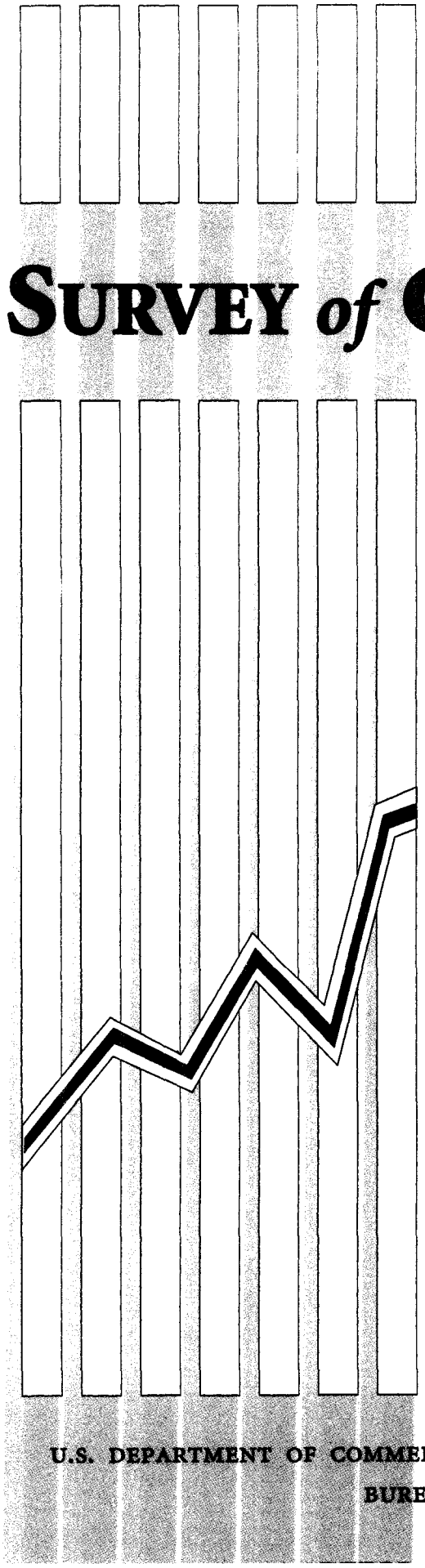
MAY 1993 ~ VOLUME 73 NUMBER 5

SURVEY of CURRENT BUSINESS



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- *Gross Product by Industry, 1977–90*
- *Comprehensive Revision of Local Area Personal Income, 1969–90*

U.S. DEPARTMENT OF COMMERCE ~ ECONOMICS AND STATISTICS ADMINISTRATION
BUREAU OF ECONOMIC ANALYSIS

MAY 1993 ~ VOLUME 73 NUMBER 5

SURVEY of CURRENT BUSINESS

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

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NOTE.—This issue of the SURVEY went to the printer on June 9, 1993. It incorporates data from the following monthly BEA news releases: Gross Domestic Product (May 28), Personal Income and Outlays (June 1), and Composite Indexes of Leading, Coincident, and Lagging Indicators (June 2).

THE BUSINESS SITUATION

The first part of this article was prepared by Daniel Larkins, Larry R. Moran, and Ralph W. Morris; Larkins prepared the section on corporate profits; and Michael W. Webb prepared the section on the government sector.

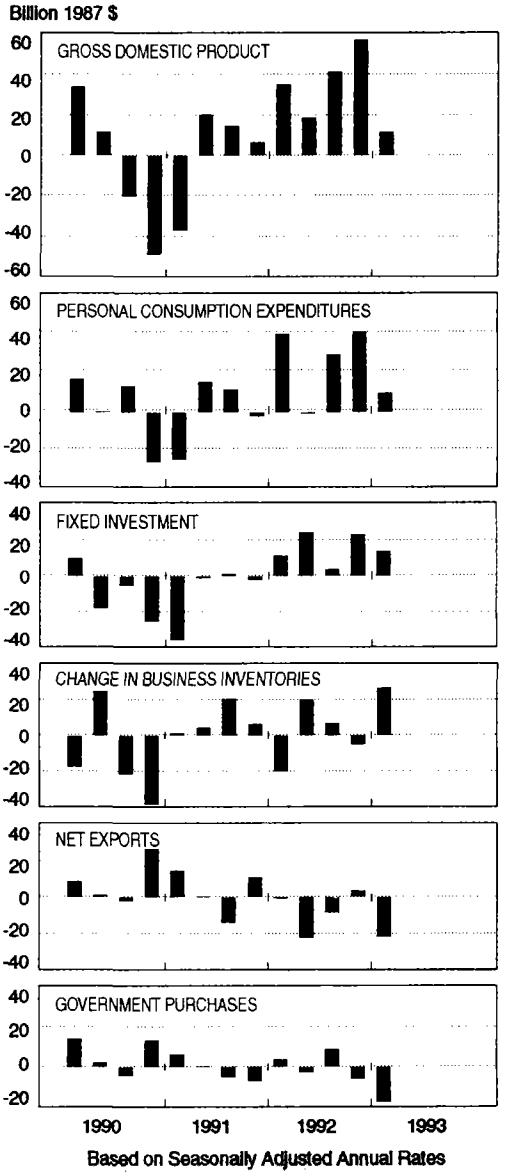
ACCORDING TO the "preliminary" estimates for the first quarter of 1993, real gross domestic product (GDP), a measure of goods and services produced in the United States, increased 0.9 percent; the "advance" first-quarter estimate, issued in April, had shown a 1.8-percent increase.[1] Real gross domestic purchases, a measure of goods and services purchased by U.S. residents, increased 2.7 percent, 0.5 percentage point more than April's estimate. The fixed-weighted price index for gross domestic purchases increased 3.5 percent, 0.1 percentage point more than April's estimate. (The "Revisions" section of this article discusses the sources of these revisions.) The 0.9-percent increase in real GDP in the first quarter represented a sharp deceleration from a 4.7-percent increase in the fourth quarter of 1992 (chart 1). The deceleration reflected slower growth in the production of goods and a downturn in the production of structures; in contrast, the production of services increased a little more in the first quarter than in the fourth (table 1).

1. Quarterly estimates in the national income and product accounts are expressed at seasonally adjusted annual rates, and quarterly changes are differences between these rates. Quarter-to-quarter percent changes are annualized. Real, or constant-dollar, estimates are expressed in 1987 dollars and are based on 1987 weights.

The 2.7-percent increase in real gross domestic purchases also represented a deceleration, from a 4.4-percent increase in the fourth quarter.

CHART 1

Real Product: Change from Preceding Quarter



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

Looking Ahead...

• *Regional and State Employment Projections.* A comparison of BEA's projections of regional and State employment growth for 1988–91 with the actual estimates will appear in the June SURVEY.

Recruitment...

• *Associate Director for International Economics.* BEA is recruiting for the position of Associate Director for International Economics. This is a career reserved position in the Senior Executive Service, salary range: $92,900–$115,700. The application deadline is June 30, 1993. Applicants must meet all requirements of the Senior Executive Service. To obtain the required application and qualification information, please contact the BEA Administrative Office, (202) 523–0508. BEA is an Equal Opportunity Employer.

(Unlike GDP, gross domestic purchases excludes exports of goods and services and includes imports of goods and services.) Growth in final sales to domestic purchasers slowed to 0.5 percent from 4.8 percent; inventory investment (that is, change in business inventories) increased sharply after a modest decrease.

The following are highlights of the final sales estimates:

- Personal consumption expenditures increased modestly after a substantial increase.
- Nonresidential fixed investment increased a little more in the first quarter than in the fourth, but residential investment edged down after a sharp increase.
- Government purchases decreased very sharply after a small decrease, as national defense purchases fell 25.9 percent, its biggest drop in the 21 years that constant-dollar defense purchases have been separately estimated in the national income and product accounts (NIPA's).

Personal consumption expenditures

Real personal consumption expenditures (PCE) increased 1.2 percent in the first quarter after increasing 5.1 percent in the fourth (table 2). The slowdown was more than accounted for by goods (both durable and nondurable); in contrast, services increased more in the first quarter than in the fourth.

Factors usually associated with changes in consumer spending sent mixed signals in the first quarter (chart 2). Real disposable personal in-

Table 1.—Real Gross Domestic Product, by Major Type of Product

[Seasonally adjusted at annual rates]

	Billions of 1987 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1992			1993
		1992			1993				
	1993: I	II	III	IV	I	II	III	IV	I
Gross domestic product	**5,002.5**	**18.7**	**41.3**	**57.1**	**11.7**	**1.5**	**3.4**	**4.7**	**0.9**
Goods	2,017.1	12.7	29.5	44.4	6.5	2.7	6.2	9.3	1.3
Motor vehicles	203.2	12.3	–3.8	10.2	5.2	30.4	–7.7	23.6	10.9
Other	1,813.9	.4	33.3	34.2	1.3	.1	7.9	7.9	.3
Services	2,552.2	2.3	15.1	6.5	8.2	.4	2.4	1.0	1.3
Structures	433.2	3.8	–3.4	6.3	–3.0	3.6	–3.1	6.0	–2.7
Gross domestic product excluding motor Vehicles and structures	4,366.1	2.7	48.4	40.7	9.5	.3	4.6	3.8	.9

NOTE.—Most series are found in table 1.4 of the "Selected NIPA Tables." Output of motor vehicles is the sum of auto output and truck output (from tables 8.4 and 8.6).

Table 2.—Real Personal Consumption Expenditures

[Seasonally adjusted at annual rates]

	Billions of 1987 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1992			1993
		1992			1993				
	1993: I	II	III	IV	I	II	III	IV	I
Personal consumption expenditures	**3,369.9**	**–0.8**	**29.9**	**41.5**	**10.0**	**–0.1**	**3.7**	**5.1**	**1.2**
Durable goods	455.1	–2.3	9.8	14.6	.7	–2.1	9.4	14.0	.6
Motor vehicles and parts	186.3	–1.3	–1.2	9.0	–1.7	–2.8	–2.6	21.7	–3.6
Furniture and household equipment	189.9	0	7.1	6.5	1.9	0	17.3	15.1	4.1
Other	78.8	–1.1	3.9	–1.0	.5	–5.6	22.4	–4.9	2.6
Nondurable goods	1,063.0	–4.0	6.4	17.4	–6.4	–1.5	2.5	6.8	–2.4
Food	523.5	–5.4	.8	12.4	–3.2	–4.1	.6	10.0	–2.4
Clothing and shoes	188.6	.3	6.4	2.9	–5.1	.7	14.6	6.2	–10.1
Energy[1]	95.6	1.9	–1.0	–1.4	.2	8.2	–4.0	–5.7	.8
Other	255.3	–.9	.3	3.5	1.7	–1.4	.5	5.7	2.7
Services	1,851.8	5.6	13.7	9.6	15.6	1.2	3.1	2.1	3.4
Housing	489.3	2.1	2.5	1.4	2.1	1.8	2.1	1.2	1.7
Household operation	207.8	2.6	1.4	1.1	1.1	5.3	2.8	2.2	2.1
Energy[2]	95.8	1.6	–.5	1.7	.1	7.1	–2.1	7.4	.4
Other household operation	111.9	1.0	1.9	–.6	.9	3.7	7.1	–2.1	3.3
Transportation	122.7	1.0	2.8	–1.9	.5	3.4	9.6	–6.0	1.6
Medical care	466.5	4.1	4.4	3.6	4.8	3.7	3.9	3.2	4.2
Other	565.4	–4.1	2.6	5.2	7.1	–2.9	1.9	3.8	5.2

1. Gasoline and oil, and fuel oil and coal.
2. Electricity and gas.

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

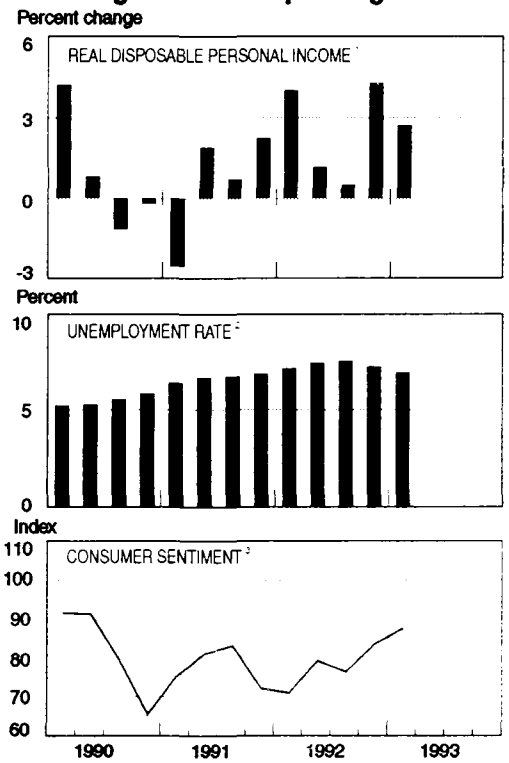
come increased, but substantially less than in the fourth quarter. The Index of Consumer Sentiment (prepared by the University of Michigan's Survey Research Center) reached its highest level in 11 quarters, but it increased only about half as much as in the fourth quarter. The unemployment rate gave an unambiguous signal, falling from 7.3 percent to 7.0 percent.

Expenditures for durable goods edged up 0.6 percent after increasing 14.0 percent. Purchases of new cars and trucks decreased after increasing sharply; the downturn at least partly reflected the expiration of sales-incentive programs. Furniture and household equipment increased much less than in the fourth quarter; consumer electronics accounted for more than one-half of the slowdown in household equipment. "Other" durable goods (such as jewelry, books, and sporting goods) increased after decreasing.

Expenditures for nondurable goods decreased 2.4 percent after increasing 6.8 percent. The downturn reflected downturns in food and in clothing and shoes and a deceleration in "other" nondurable goods. In contrast, energy increased slightly after decreasing.

CHART 2

Selected Factors Affecting Consumer Spending



1. Disposable personal income in 1987 dollars: seasonally adjusted annual rates.
2. All civilian workers, seasonally adjusted.
Data: U.S. Department of Labor, Bureau of Labor Statistics
3. Data: University of Michigan's Survey Research Center.

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

Expenditures for services increased 3.4 percent after increasing 2.1 percent. The acceleration was widespread. In transportation services, air travel rebounded from a fourth-quarter drop that was associated with sharp fare hikes. In "other" services, brokerage and investment services increased sharply, reflecting record stock market activity and heavy investment in mutual funds. In contrast to the acceleration in many components, recreation turned down, reflecting a drop in motion picture admissions after a record fourth quarter.

Nonresidential fixed investment

Real nonresidential fixed investment increased 11.4 percent in the first quarter after increasing 9.7 percent in the fourth (table 3). Structures decreased about the same amount in the first quarter as in the fourth; producers' durable equipment increased more in the first quarter than in the fourth.

Factors that underlie investment spending, like those underlying PCE, have sent mixed signals in recent quarters. On the positive side, the yield on new high-grade corporate bonds decreased 50 basis points, continuing a downtrend that began more than 2 years ago. In addition, the capacity utilization rate in manufacturing increased almost 1 percentage point in the first quarter after fluctuating in a narrow range over the preceding four quarters. On the negative side, real final sales of domestic product decreased in the first quarter after increasing only slightly over the 2 preceding years. Additionally, corporate profits (in current dollars), which has been quite erratic in recent quarters, increased only a little in the first quarter after a large increase in the fourth.

Structures decreased 1.7 percent after decreasing 1.9 percent. The decrease was more than accounted for by nonresidential buildings and by mining exploration, shafts, and wells; utilities increased. The decrease in nonresidential buildings—the tenth consecutive drop—was accounted for by commercial structures; industrial structures increased slightly.

Producers' durable equipment (PDE) increased 16.5 percent after increasing 14.5 percent. Information processing equipment and "other" PDE increased more than in the fourth quarter. The step-up in information processing equipment was more than accounted for by computers; communications equipment, instruments, and photocopy equipment decreased. The step-up in

Table 3.—Real Gross Private Domestic Fixed Investment

[Seasonally adjusted at annual rates]

	Billions of 1987 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1992			1993
		1992			1993				
	1993: I	II	III	IV	I	II	III	IV	I
Gross private domestic fixed investment	**747.6**	**24.5**	**4.1**	**23.3**	**14.3**	**15.2**	**2.3**	**13.8**	**8.0**
Nonresidential	545.4	18.9	4.0	12.2	14.5	16.1	3.1	9.7	11.4
Structures	143.4	–.3	–4.4	–.7	–.6	–.8	–11.3	–1.9	–1.7
Nonresidential buildings, including farm	94.3	–1.6	–6.2	–.4	–.5	–6.1	–22.3	–1.7	–2.1
Utilities	28.1	0	.3	.4	.9	0	4.6	6.1	13.9
Mining exploration, shafts, and wells	10.5	–.1	.2	.9	–1.0	–3.8	7.9	38.5	–30.5
Other	10.5	1.3	1.3	–1.5	0	67.9	58.2	–41.4	0
Producers' durable equipment	402.0	19.2	8.4	12.9	15.1	24.1	9.5	14.5	16.5
Information processing and related equipment	182.2	5.6	13.3	4.9	10.2	16.0	39.3	12.3	25.9
Industrial equipment	71.5	.2	.6	4.1	.9	1.2	3.7	27.0	5.2
Transportation and related equipment	83.2	12.9	–5.9	3.7	1.3	94.7	–25.2	20.3	6.5
Other	65.1	.6	.3	.4	2.6	4.0	2.0	2.6	17.7
Residential	202.2	5.6	.1	11.0	–.1	12.6	.2	25.1	–.2
Single-family structures	113.7	2.3	.8	7.2	2.8	9.5	3.1	30.8	10.5
Multifamily structures	8.9	1.1	–1.4	–1.1	–1.3	43.7	–37.3	–33.6	–42.0
Other	79.6	2.2	.7	5.0	–1.7	12.5	3.8	28.9	–8.1

NOTE.—Dollar levels are found in table 5.5 of the "Selected NIPA Tables," and percent changes in major aggregates are found in table 8.1.

"other" PDE was more than accounted for by tractors and by agricultural equipment. Industrial equipment and transportation equipment both increased much less than in the fourth quarter. The deceleration in industrial equipment followed an unusually large increase in the fourth quarter—the largest increase in almost 9 years. The deceleration in transportation equipment was accounted for by trucks, which decelerated after a large increase, and by autos, which turned down; purchases of civilian aircraft turned up very sharply.

Residential investment

Real residential investment slipped 0.2 percent in the first quarter after increasing 25.1 percent in the fourth. Single-family construction decelerated, multifamily construction decreased more than in the fourth quarter, and "other" residential investment turned down.

Single-family construction increased 10.5 percent after increasing 30.8 percent. In any quarter, single-family construction is largely determined by housing starts in that quarter and in the preceding quarter. In the fourth quarter of 1992 and the first quarter of 1993, starts averaged 1.07 million (annual rate), up slightly from a third-fourth quarter average of 1.06 million; the second-third quarter average had been 1.00 million (chart 3).

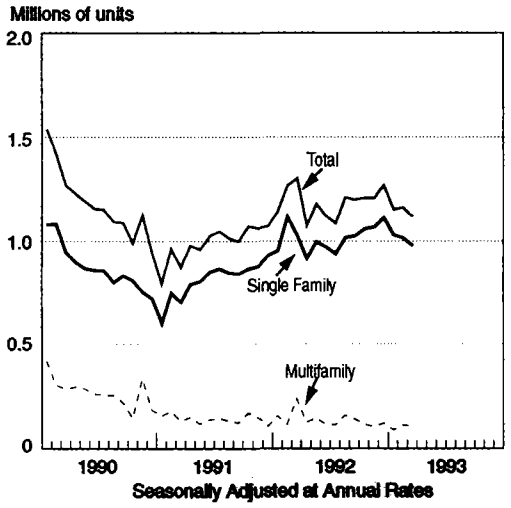
Multifamily construction decreased for the third consecutive quarter and for the fourteenth time in fifteen quarters. The rental vacancy rate increased sharply in the first quarter, to 7.9 percent, its highest level in 6 years, after two quarterly decreases.

"Other" residential investment turned down, reflecting lower brokers' commissions.[2] Sales of existing houses decreased almost 9 percent (not an annual rate) in the first quarter, and sales of new houses decreased about 4 percent. The weakness in sales is consistent with an upturn in prices of existing houses and a deceleration in income growth. However, mortgage inter-

2. The "other" component includes additions and alterations, major replacements, new mobile home sales, brokers' commissions on house sales, and residential equipment.

CHART 3

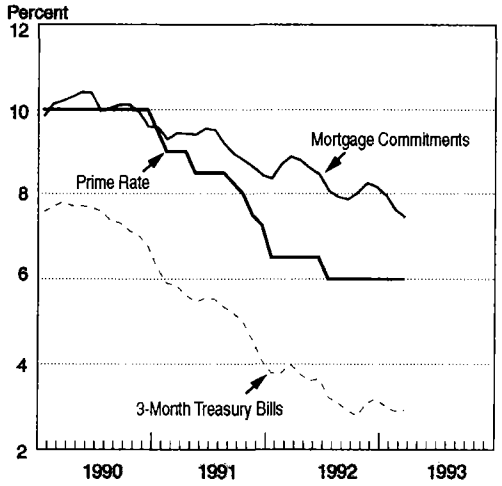
Housing Starts



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

CHART 4

Selected Interest Rates



Data: Federal Reserve Board

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

est rates continued to decrease (chart 4). The Housing Affordability Index, prepared by the National Association of Realtors, combines the effects of prices, incomes, and interest rates; the index, which has been trending upward for several years, increased again in the first quarter, indicating that housing continued to become more "affordable."

Inventory investment

Real inventory investment—that is, the change in business inventories—increased $27.0 billion in the first quarter, as inventory accumulation picked up to $36.8 billion from $9.8 billion in the fourth quarter (table 4). In contrast, inventory investment had decreased $5.2 billion in the fourth quarter. The sharp upturn in inventory investment was accounted for by nonfarm inventories.

Nonfarm inventories increased $33.8 billion in the first quarter after increasing $5.6 billion in the fourth. The step-up was attributable to an upturn in manufacturing inventories and to faster accumulation of automotive inventories at the retail level.

Manufacturing inventories increased $1.4 billion after decreasing $14.5 billion. The turnaround reflected a slower reduction of durable goods inventories. (Inventories of durables have decreased for ten consecutive quarters). Inventories of nondurable goods increased about the same amount as in the fourth quarter.

Retail trade inventories increased $23.9 billion after increasing $12.0 billion. The step-up in automotive inventories reflected weakness in motor vehicle sales to consumers. Other retail inventories increased a little less than in the fourth quarter.

Wholesale trade inventories increased $1.9 billion after increasing $8.0 billion. Inventories of durable goods decreased—particularly machinery, equipment and supplies, electrical goods, and scrap and waste materials—after increasing. Inventories of nondurable goods increased less than in the fourth quarter.

"Other" nonfarm inventories increased $6.5 billion after increasing $0.2 billion. (The "other" component consists mainly of inventories held by the mining, construction, public utility, transportation, communication, and service industries.)

Farm inventories increased $3.0 billion after increasing $4.2 billion. Inventories of crops increased less than in the fourth quarter; inventories of livestock increased after a slight decrease.

The constant-dollar ratio of nonfarm inventories to all final sales of domestic businesses moved up to 2.56 in the first quarter from 2.53 in the

Table 4.—Change in Real Business Inventories

[Billions of 1987 dollars; seasonally adjusted at annual rates]

	Level					Percent from preceding quarter			
	1992				1993	1992			1993
	I	II	III	IV	I	II	III	IV	I
Change in business inventories	**-12.6**	**7.8**	**15.0**	**9.8**	**36.8**	**20.4**	**7.2**	**-5.2**	**27.0**
Farm	-1.9	1.8	5.3	4.2	3.0	3.7	3.5	-1.1	-1.2
Nonfarm	-10.7	6.0	9.6	5.6	33.8	16.7	3.6	-4.0	28.2
Manufacturing	-8.7	-6.5	3.9	-14.5	1.4	2.2	10.4	-18.4	15.9
Wholesale trade	-5.6	3.2	-2.3	8.0	1.9	8.8	-5.5	10.3	-6.1
Retail trade	.5	11.8	9.7	12.0	23.9	11.3	-2.1	2.3	11.9
Automotive	4.8	5.5	1.6	2.1	15.1	.7	-3.9	.5	13.0
Other retail trade	-4.3	6.3	8.1	9.9	8.8	10.6	1.8	1.8	-1.1
Other	3.2	-2.5	-1.6	.2	6.5	-5.7	.9	1.8	6.3

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

fourth. A different ratio, in which final sales are limited to goods and structures, moved up to 4.50 from 4.42. In the fourth quarter, each ratio had been at its lowest point in several years; the first-quarter increases brought each ratio back to or near its level in the third quarter of 1992.[3]

Net exports of goods and services

Real exports decreased 2.6 percent in the first quarter after increasing 8.9 percent in the fourth; real imports increased 12.0 percent after increasing 5.7 percent (table 5).

Merchandise exports fell 6.3 percent after increasing 13.7 percent; all major end-use categories weakened. Nonautomotive capital goods, nonautomotive consumer goods, and "other" merchandise exports decreased after increasing. Foods, feeds, and beverages decreased more than in the fourth quarter, as did industrial supplies and materials. Autos increased much less than in the fourth quarter. Exports of services increased after decreasing.

Merchandise imports increased 12.0 percent after increasing 6.8 percent; much of the step-up was accounted for by an upturn in imports of nonautomotive consumer goods. Imports of foods, feed, and beverages and of petroleum and products also turned up. Auto imports increased more than in the fourth quarter. Imports of services increased substantially after no change.

Government purchases

Real government purchases decreased 7.3 percent in the first quarter after decreasing 2.6 percent in the fourth (table 6). Federal Government purchases decreased substantially more in the

3. The first ratio, in which the denominator consists of all final sales of domestic businesses, implies that the production of services results in demand for inventories that is similar to the demand for inventories generated by the production of goods and structures. The second ratio, in which the denominator consists of final sales of goods and structures, implies that the production of services does not generate any demand for inventories. Both implications are extreme.

Table 5.—Real Net Exports of Goods and Services

[Seasonally adjusted at annual rates]

	Billions of 1987 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1992			1993
		1992			1993				
	1993: I	II	III	IV	I	II	III	IV	I
Net exports of goods and services	**-71.1**	**-22.4**	**-8.8**	**3.7**	**-22.1**	.....	.....	.....	.....
Exports of goods and services	584.5	-2.0	12.5	12.4	-3.8	-4.1	9.2	8.9	-2.6
Merchandise	427.1	-.1	12.4	13.7	-7.0	-.1	12.7	13.7	-6.3
Agricultural products	39.3	-1.1	4.6	-.6	-2.3	-10.9	58.7	-5.6	-20.3
Nonagricultural products	387.8	1.0	7.8	14.2	-4.6	1.1	8.7	15.9	-4.6
Services	157.3	-1.9	.1	-1.3	3.1	-4.7	.3	-3.3	8.3
Imports of goods and services	**655.6**	**20.5**	**21.3**	**8.7**	**18.3**	**14.7**	**14.8**	**5.7**	**12.0**
Merchandise	550.5	19.8	18.6	8.7	15.4	17.2	15.5	6.8	12.0
Petroleum and products	52.9	4.2	1.6	-.4	.8	41.1	13.2	-3.0	6.3
Nonpetroleum products	497.6	15.5	17.1	9.1	14.6	14.8	15.8	7.9	12.7
Services	105.1	.7	2.7	0	2.9	2.9	11.3	0	11.8

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

Table 6.—Real Government Purchases

[Seasonally adjusted at annual rates]

	Billions of 1987 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1992			1993
		1992			1993				
	1993: I	II	III	IV	I	II	III	IV	I
Government purchases	**919.3**	**-2.8**	**8.8**	**-6.2**	**-17.5**	**-1.2**	**3.8**	**-2.6**	**-7.3**
Federal	357.1	-2.6	6.8	-4.5	-17.9	-2.7	7.5	-4.7	-17.8
National defense	245.9	-3.5	5.3	-2.4	-19.1	-5.2	8.3	-3.5	-25.9
Nondefense	111.3	.9	1.5	-2.2	1.4	3.3	5.5	-7.6	5.2
State and local	562.2	-.3	2.0	-1.6	.3	-.2	1.4	-1.1	.2
Structures	82.0	-1.7	.2	-2.8	-.6	-7.6	.9	-12.5	-2.9
Other	480.2	1.4	1.8	1.2	.9	1.2	1.5	1.0	.8

NOTE.—Dollar levels are found in table 3.8B of the "Selected NIPA Tables," and percent changes are found in table 8.1.

first quarter than in the fourth; the first-quarter decrease was more than accounted for by reductions in national defense purchases. State and local government purchases changed little after decreasing.

Federal defense purchases decreased 25.9 percent after decreasing 3.5 percent. Although the decrease was spread across all types of defense purchases, more than half of it was in purchases of services; within services, the largest decreases were in contractual research and development, installation support, and weapons support. Military equipment also dropped sharply; the largest decreases were in aircraft and missiles.

Federal nondefense purchases increased 5.2 percent after decreasing 7.6 percent. The increase was accounted for by purchases of durables and of services excluding compensation of employees. Compensation was unchanged for the third consecutive quarter.

State and local government purchases increased 0.2 percent after decreasing 1.1 percent. Purchases other than structures continued to increase slightly; structures continued to decrease.

Table 7.—Revisions in Real Gross Domestic Product and Prices, First Quarter 1993

[Seasonally adjusted at annual rates]

	Billions of 1987 dollars	Percent change from preceding quarter	
	Preliminary estimate minus advance estimate	Advance estimate	Preliminary estimate
Gross domestic product	**-10.6**	**1.8**	**0.9**
Less: Exports of goods and services	26.9	-7.1	-2.6
Plus: Imports of goods and services	223.4	-3.2	12.0
***Equals*: Gross domestic purchases**	**5.8**	**2.2**	**2.7**
Personal consumption expenditures	0	1.2	1.2
Durables	-.1	.7	.6
Nondurables	1.1	-2.8	-2.4
Services	-1.0	3.7	3.4
Fixed investment	7.0	4.0	8.0
Nonresidential	7.2	5.6	11.4
Residential	-.2	.2	-.2
Change in business inventories	1.0	.....	.....
Nonfarm	1.3	.....	.....
Farm	-.3	.....	.....
Government purchases	-2.2	-6.4	-7.3
Federal	-2.6	-15.3	-17.8
State and local	.4	-.1	.2
GDP price index (fixed weights) [1]	.....	4.2	4.2
Gross domestic purchases price index (fixed weights) [1]	.....	3.4	3.5

1. Based on 1987 weights.

NOTE.—Preliminary estimates for the first quarter of 1993 incorporate the following revised or additional major source data that were not available when the advance estimates were prepared a month ago.

Personal consumption expenditures: Revised retail sales for February and March, and consumers' share of new car purchases for February.

Nonresidential fixed investment: Construction put in place for January and February (revised) and March, manufacturers' shipments of machinery and equipment for February (revised) and March, and business' share of new car purchases for February.

Residential investment: Construction put in place for January and February (revised) and March.

Change in business inventories: Manufacturing and trade inventories for February (revised) and March, and revised unit inventories of motor vehicles for March.

Net exports of goods and services: Merchandise exports and merchandise imports for February (revised) and March.

Government purchases: Federal outlays for March, State and local construction put in place for February (revised) and March, and Employment Cost Index for State and local government wages and salaries for the quarter.

Wages and salaries: Revised employment, average hourly earnings, and average weekly hours for February and March.

GDP prices: Detailed merchandise export and import price indexes for January through March, values and quantities of petroleum imports for March, and housing prices for the quarter.

Revisions

The preliminary first-quarter estimate of a 0.9-percent increase in real GDP is 0.9 percentage point less than the advance estimate issued in April (table 7). This revision is larger than usual; over the past 10 years, the average absolute revision from the advance estimate to the preliminary estimate has been 0.6 percentage point.

By far, the largest revision in any of the components of real GDP was in imports, at $23.4 billion; the revision primarily reflected the incorporation of newly available data that showed an unexpectedly large increase in merchandise imports in March. Downward revisions in government purchases and in residential investment also helped to lower the estimate of GDP. The effect of these three revisions on GDP was only partly offset by upward revisions in nonresidential fixed investment, in exports, and in change in business inventories.

For real gross domestic purchases, the preliminary estimate of a 2.7-percent increase is 0.5 percentage point higher than the advance estimate. Revisions in gross domestic purchases are not affected by revisions in imports and exports.

For the fixed-weighted price index for gross domestic purchases, the preliminary estimate of a 3.5-percent increase is slightly higher than the advance estimate. For the fixed-weighted price index for GDP, the preliminary estimate of a 4.2-percent increase is the same as the advance estimate.

Corporate Profits

Profits from current production—profits before tax plus inventory valuation adjustment (IVA) and capital consumption adjustment (CCAdj)—increased $3.7 billion in the first quarter after increasing $54.4 billion in the fourth (table 8).

Profits from the domestic operations of nonfinancial corporations decreased $14.3 billion after increasing $43.0 billion; the decrease reflected a drop in unit profits that resulted when unit costs (labor and nonlabor) increased more than unit prices. In contrast to the drop in nonfinancial profits, profits from the domestic operations of

financial corporations increased $3.3 billion after increasing $15.3 billion, and profits from the rest of the world increased $14.8 billion after decreasing $4.0 billion.

Cash flow from current production, a profits-related measure of internally generated funds available to corporations for investment, increased $6.1 billion after increasing $20.5 billion. In recent quarters, the ratio of cash flow to nonresidential fixed investment has been more than 90 percent, about 20 percentage points higher than its average level in the 1980's. This high level, which partly reflects relatively weak investment spending, suggests that investment could increase substantially before cash flow became a binding constraint.

Profits by industry.—Profits before tax (PBT) with IVA is the best measure of industry profits because estimates of the CCAdj by industry are not available. This measure presents much the same picture as does profits from current production. For the domestic operations of nonfinancial corporations, PBT with IVA decreased $17.3 billion after increasing $35.0 billion; for the domestic operations of financial corporations, it increased $3.5 billion after increasing $15.0 billion.

Detailed estimates by industry will not be available until next month. On the basis of preliminary and incomplete information, it appears that all major groups of nonfinancial industries were weak in the first quarter. Among financial corporations, profits of insurance carriers were reduced substantially by benefit payments in the wake of the storm on the East Coast in March.

Profits from the rest of the world increased $14.8 billion. This component of profits measures receipts of profits from foreign affiliates of U.S. corporations less payments of profits by U.S. affiliates of foreign corporations. Preliminary and incomplete information for the first quarter shows receipts jumping $16.6 billion and payments increasing $1.9 billion. Much of the increase in receipts appears to have been accounted for by manufacturing and banking affiliates in the United Kingdom and by manufacturing affiliates in Canada.

PBT and related measures.—PBT increased $11.2 billion. The difference between the $3.7 billion increase in profits from current production and the $11.2 billion increase in PBT mainly reflected a decrease in the IVA.

The IVA is an estimate of inventory profits with the sign reversed. Inventory profits increased $10.3 billion, reflecting a step-up in the rate of increase in prices of inventoried goods. The Producer Price Index, a major source for inventory prices, increased at an annual rate of 1.7 percent (not seasonally adjusted) in the first quarter after no change in the fourth.

Table 8.—Corporate Profits

[Seasonally adjusted at annual rates]

	Level	Change from preceding quarter	
	1993:I	1992:IV	1993:I
	Billions of dollars		
Profits from current production	**432.2**	**54.4**	**3.7**
Domestic	356.3	58.4	−11.1
Financial	49.2	15.3	3.3
Nonfinancial	307.2	43.0	−14.3
Rest of the world	75.9	−4.0	14.8
IVA	−9.3	10.7	−10.3
CCAdj	40.8	8.4	2.7
Profits before tax	400.6	35.3	11.2
Profits tax liability	146.8	16.7	−1.7
Profits after tax	253.8	18.8	12.8
Profits by industry:			
Profits before tax with IVA	391.4	46.0	1.0
Domestic	315.5	50.0	−13.8
Financial	58.8	15.0	3.5
Nonfinancial	256.7	35.0	−17.3
Manufacturing	.....	6.5	.....
Trade	.....	17.0	.....
Transportation and public utilities	.....	4.8	.....
Other	.....	6.6	.....
Rest of the world	75.9	−4.0	14.8
Receipts (inflows)	79.7	−5.3	16.6
Payments (outflows)	3.9	−1.3	1.9
	Dollars		
Unit prices, costs, and profits of domestic nonfinancial corporations:			
Unit price	1.163	0.003	0.008
Unit labor cost	.763	−.004	.010
Unit nonlabor cost	.291	−.006	.002
Unit profits from current production	.109	.013	−.004

NOTE—Levels of these and other profits series are found in tables 1.14, 1.16, 6.16C, and 7.15 of the "Selected NIPA Tables."
IVA Inventory valuation adjustment
CCAdj Capital consumption adjustment

Government Sector

The fiscal position of the government sector improved for the second consecutive quarter, as the combined deficit of the Federal Government and of State and local governments decreased $14.7 billion, to $262.5 billion in the first quarter of 1993 (table 9). A $22.0 billion dollar decrease in the Federal Government deficit was partly offset by a $7.3 billion decrease in the State and local government surplus.

Federal

The Federal Government deficit decreased to $273.5 billion, as receipts increased and as expenditures decreased slightly.

Receipts.—Receipts increased $20.4 billion in the first quarter after increasing $37.7 billion in the fourth. The first-quarter increase was accounted for by personal tax and nontax receipts and by contributions for social insurance.

Personal tax and nontax receipts increased $11.1 billion after increasing $12.7 billion.[4] The first-quarter increase was mainly attributable to a large increase in declarations and net settlements of personal income taxes; the fourth-quarter increase reflected strong growth in wages and salaries. In the first quarter, declarations and net settlements increased $11.4 billion, largely as a result of an Executive Order effective in March 1992 that reduced withholding but not liability. This increase was partly offset by a decrease resulting from the annual indexing of withholding tables for inflation.

Contributions for social insurance increased $9.3 billion after increasing $7.3 billion. In the first quarter, contributions were boosted $2.0 billion by the annual indexing of the taxable wage base for social security and $1.9 billion by a rate increase for supplemental medical insurance.

Indirect business tax and nontax accruals increased $1.3 billion after increasing $4.5 billion. Business nontax payments decreased, following two extraordinary payments to the Federal Government in the fourth quarter: $1.7 billion (annual rate) for civil damage recovery settlements related to the savings and loan bailout and $0.3 billion (annual rate) for settlements for the Valdez oil spill. Excise taxes on tobacco increased $1.1 billion following no change in the fourth quarter; the increase reflected a 25-cents-per-pack increase due to a provision in the Omnibus Budget Reconciliation Act of 1990 that became effective January 1, 1993.

Corporate profits tax accruals decreased $1.4 billion after an increase of $13.2 billion. The decrease was attributable to a decrease in corporate profits from domestic operations.

Expenditures.—Expenditures decreased $1.6 billion in the first quarter after increasing $28.8 billion in the fourth. The downswing was more than accounted for by defense purchases.

Defense purchases decreased $13.9 billion after decreasing $1.4 billion. The first-quarter decrease was the largest in current-dollar defense purchases since 1965. The largest declines were in deliveries of aircraft and aircraft components and in purchases of services, primarily in research and development and in installation support.

Transfer payments increased $4.0 billion after increasing $18.8 billion. The deceleration was more than accounted for by transfer payments to the rest of the world, which decreased $9.3 billion after increasing $11.9 billion. The downturn followed unusually high disbursements to Israel in the fourth quarter. Transfer payments to the rest of the world continued to include disbursements by the U.S. Department of Defense for relief efforts in Somalia. Trans-

Table 9.—Government Sector Receipts and Expenditures

[Billions of dollars, seasonally adjusted at annual rates]

	Level	Change from preceding quarter				
	1993: I	1992				1993
		I	II	III	IV	I
Government sector						
Receipts	1898.9	25.6	13.6	11.9	52.0	25.4
Expenditures	2161.4	61.6	26.3	21.7	34.1	10.7
Surplus or deficit (–)	–262.5	–36.0	–12.6	–10.0	18.0	14.7
Federal Government						
Receipts	1213.5	13.9	6.5	5.6	37.7	20.4
Personal tax and nontax receipts	499.3	–3.8	–4.2	11.3	12.7	11.1
Corporate profits tax accruals	120.0	8.9	6.1	–10.1	13.2	–1.4
Indirect business tax and nontax accruals	87.1	–1.6	.6	1.5	4.5	1.3
Contributions for social insurance	507.0	10.3	3.9	3.0	7.3	9.3
Expenditures	1487.0	44.4	20.2	7.1	28.8	–1.6
Purchases	441.2	4.2	–.2	10.4	–3.6	–10.4
National defense	304.3	–1.1	–1.9	7.9	–1.4	–13.9
Nondefense	136.9	5.3	1.7	2.6	–2.3	3.5
Transfer payments (net)	645.4	43.9	9.7	3.1	18.8	4.0
To persons	630.8	33.1	8.1	4.7	7.0	13.2
To rest of the world	14.6	10.7	1.6	–1.6	11.9	–9.3
Grants-in-aid to State and local governments	178.2	1.5	9.0	–.1	4.7	–.5
Net interest paid	181.8	–3.3	.7	.3	–3.0	–3.0
Subsidies less current surplus of government enterprises	40.4	–2.0	1.2	–6.7	12.0	8.2
Subsidies	43.4	–2.5	.7	–6.9	10.6	8.1
Of which: Agricultural subsidies	21.1	–2.7	.3	–7.7	10.4	8.0
Less: Current surplus of government enterprises	3.0	–.5	–.5	–.2	–1.3	–.2
Less: Wage accruals less disbursements	0	0	0	0	0	0
Surplus or deficit (–)	–273.5	–30.5	–13.7	–1.5	8.9	22.0
State and local governments						
Receipts	863.6	13.2	16.2	6.0	19.2	4.4
Personal tax and nontax receipts	156.9	.9	1.8	.4	2.2	1.4
Corporate profits tax accruals	26.8	2.5	1.6	–2.2	3.4	–.2
Indirect business tax and nontax accruals	436.3	7.5	3.2	7.3	8.1	3.1
Contributions for social insurance	65.4	.7	.7	.6	.8	.6
Federal grants-in-aid	178.2	1.5	9.0	–.1	4.7	–.5
Expenditures	852.6	18.7	15.1	14.5	10.0	11.8
Purchases	674.9	8.5	6.3	4.7	2.7	3.2
Of which: Structures	91.3	5.1	–.6	.8	–1.5	–.9
Transfer payments to persons	253.4	9.0	8.6	9.3	6.8	7.9
Net interest paid	–41.3	1.2	1.1	1.0	1.0	1.0
Less: Dividends received by government	10.4	.1	.3	.1	.1	.2
Subsidies less current surplus of government enterprises	–24.1	.1	–.7	–.4	–.3	–.2
Subsidies	.4	0	0	0	0	0
Less: Current surplus of government enterprises	24.5	–.1	.7	.4	.3	.2
Less: Wage accruals less disbursements	0	0	0	0	0	0
Surplus or deficit (–)	11.0	–5.4	1.1	–8.5	9.1	–7.3
Social insurance funds	55.6	–1.0	–.4	–.8	–.7	–.9
Other	–44.6	–4.5	1.5	–7.7	9.9	–6.5

NOTE.—Dollar levels are found in tables 3.2 and 3.3 of the "Selected NIPA Tables."

4. The increase in personal tax payments reflects BEA's best estimate of quarterly change in withheld income taxes. The level of total personal tax and nontax receipts in table 9 includes a shortfall resulting from the 1992 revision of withholding tables. For further discussion, see "Federal Budget Estimates, Fiscal Year 1994," SURVEY OF CURRENT BUSINESS 73 (April 1991): 51.

fer payments to persons increased $13.2 billion after increasing $7.0 billion. Social security benefits (old-age, survivors, and disability insurance) increased $10.7 billion after increasing $2.2 billion; the acceleration was due to a cost-of-living adjustment that became effective January 1, 1993.

Subsidies less the current surplus of government enterprises increased $8.2 billion after increasing $12.0 billion. The deceleration was largely attributable to agricultural subsidies, which increased $8.0 billion after increasing $10.4 billion.

Grants-in-aid to State and local governments decreased $0.5 billion after increasing $4.7 billion. This downturn was mainly attributable to decreases in programs for social services and for food and nutrition, but it was also attributable to decelerations in many other programs.

Net interest paid decreased $3.0 billion for the second consecutive quarter. The first-quarter decrease was mostly attributable to gross interest paid for public debt, which decreased $2.3 billion as a result of lower interest rates.

State and local

The State and local government surplus decreased to $11.0 billion, as expenditures increased more than receipts.

Receipts increased $4.4 billion in the first quarter after increasing $19.2 billion in the fourth. Indirect business tax and nontax accruals increased $3.1 billion after increasing $8.1 billion; the deceleration was attributable mainly to sales tax collections, which reflected a slowing of retail sales. Federal grants-in-aid decreased $0.5 billion after increasing $4.7 billion (see the section on Federal Government expenditures). Corporate profits tax accruals decreased $0.2 billion after increasing $3.4 billion; the downturn reflected the decrease in corporate profits from domestic operations.

Expenditures increased $11.8 billion in the first quarter after increasing $10.0 billion in the fourth. In both quarters, most of the increase was accounted for by transfer payments to persons, which increased $7.9 billion after increasing $6.8 billion. The other expenditure categories combined increased $3.9 billion after increasing $3.2 billion.

Changes in BEA Release Schedules

BEA's move this summer to a new location necessitates some changes in the release dates for the national income and product accounts (NIPA) estimates, the State personal income estimates, and the composite indexes of leading, coincident, and lagging indicators.

NIPA estimates

In June, the following changes are made to the NIPA release dates:

	From	To
Gross domestic product, first quarter 1993 (final)	June 30	June 23
Corporate profits, first quarter 1993 (revised)	June 30	June 23
Personal income and outlays, May 1993	July 1	June 24

In July, the advance NIPA estimates for the second quarter will be released as scheduled; however, the annual revision of the NIPA's, usually released in July, will not be released until August when the preliminary estimates are released.

In August, the following changes are made to the NIPA release dates:

	From	To
Gross domestic product, second quarter 1993 (preliminary)	Sept. 1	Aug. 31
Corporate profits, second quarter 1993 (preliminary)	Sept. 1	Aug. 31
Personal income and outlays, July 1993	Sept. 2	Sept. 1

Regional estimates

Because BEA's regional estimates depend upon its national estimates, the rescheduling of the annual NIPA revision to August will cause the following changes in the scheduled dates for State personal income:

	From	To
State per capita personal income, 1992 (revised)	Aug. 24	Oct. 7
State personal income, second quarter 1993	Oct. 21	Nov. 18

Composite indexes

As a result of the earlier release dates for the NIPA estimates and to accomodate users by avoiding a Friday release, the following change is made to the scheduled release dates for the composite indexes of leading, coincident, and lagging indicators:

	From	To
Composite indexes of leading, coincident, and lagging indicators, May 1993	July 2	June 29

NATIONAL INCOME AND PRODUCT ACCOUNTS

Selected NIPA Tables

New estimates in this issue: First quarter 1993, preliminary.

The selected set of national income and product accounts (NIPA) tables shown in this section presents quarterly estimates, which are updated monthly. (In most tables, the annual estimates are also shown.) These tables are available on the day of the gross domestic product (GDP) news release on printouts and diskettes on a subscription basis or from the Commerce Department's Economic Bulletin Board. For order information, write to the National Income and Wealth Division (BE-54), Bureau of Economic Analysis, Washington, DC 20230, or call (202) 523-0669.

The full set of NIPA tables is published in the SURVEY OF CURRENT BUSINESS as part of the annual NIPA revision, which this year will be released in August. Tables containing estimates for 1929–88 are available in the two-volume set *National Income and Product Accounts of the United States*; see the inside back cover for order information. These tables are also available, most beginning with 1929, on diskette or magnetic tape. For more information on the presentation of the estimates, see "A Look at How BEA Presents the NIPA's" in the February 1993 SURVEY.

NOTE.—This section of the SURVEY is prepared by the National Income and Wealth Division and the Government Division.

NOTE TO USERS: The annual revision of the NIPA's, which will cover the 3-year period beginning with the first quarter of 1990, will be presented in the August SURVEY. The August 31 release of the preliminary NIPA estimates for the second quarter of 1993 will include a summary of the revision. (For more information about this and other changes in the release schedule, see the box on page 10.)

Table 1.1.—Gross Domestic Product

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**5,677.5**	**5,950.7**	**5,753.3**	**5,840.2**	**5,902.2**	**5,978.5**	**6,081.8**	**6,148.0**
Personal consumption expenditures	**3,887.7**	**4,095.8**	**3,942.9**	**4,022.8**	**4,057.1**	**4,108.7**	**4,194.8**	**4,238.6**
Durable goods	446.1	480.4	450.4	469.4	470.6	482.5	499.1	500.6
Nondurable goods	1,251.5	1,290.7	1,251.4	1,274.1	1,277.5	1,292.8	1,318.6	1,321.8
Services	2,190.1	2,324.7	2,241.1	2,279.3	2,309.0	2,333.3	2,377.1	2,416.3
Gross private domestic investment	**721.1**	**770.4**	**736.1**	**722.4**	**773.2**	**781.6**	**804.3**	**844.1**
Fixed investment	731.3	766.0	726.9	738.2	765.1	766.6	794.0	805.1
Nonresidential	541.1	548.2	528.7	531.0	550.3	549.6	562.1	571.0
Structures	180.1	168.4	169.7	170.1	170.3	166.1	167.0	167.1
Producers' durable equipment	360.9	379.9	358.9	360.8	380.0	383.5	395.1	403.9
Residential	190.3	217.7	198.2	207.2	214.8	217.0	231.9	234.1
Change in business inventories	−10.2	4.4	9.2	−15.8	8.1	15.0	10.3	39.0
Nonfarm	−10.3	2.2	14.5	−13.3	6.4	9.7	6.2	36.7
Farm	0	2.2	−5.3	−2.4	1.7	5.3	4.1	2.3
Net exports of goods and services	**−21.8**	**−30.4**	**−16.0**	**−8.1**	**−37.1**	**−36.0**	**−40.5**	**−50.9**
Exports	598.2	636.3	622.9	628.1	625.4	639.0	652.7	649.7
Imports	620.0	666.7	638.9	636.2	662.5	675.0	693.2	700.5
Government purchases	**1,090.5**	**1,114.9**	**1,090.3**	**1,103.1**	**1,109.1**	**1,124.2**	**1,123.3**	**1,116.1**
Federal	447.3	449.1	440.8	445.0	444.8	455.2	451.6	441.2
National defense	323.8	315.8	314.7	313.6	311.7	319.6	318.2	304.3
Nondefense	123.6	133.4	126.1	131.4	133.1	135.7	133.4	136.9
State and local	643.2	665.8	649.5	658.0	664.3	669.0	671.7	674.9

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

Table 1.2.—Gross Domestic Product in Constant Dollars

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**4,821.0**	**4,922.6**	**4,838.5**	**4,873.7**	**4,892.4**	**4,933.7**	**4,990.8**	**5,002.5**
Personal consumption expenditures	**3,240.8**	**3,314.0**	**3,249.0**	**3,289.3**	**3,288.5**	**3,318.4**	**3,359.9**	**3,369.9**
Durable goods	414.7	439.1	416.1	432.3	430.0	439.8	454.4	455.1
Nondurable goods	1,042.4	1,054.1	1,035.6	1,049.6	1,045.6	1,052.0	1,069.4	1,063.0
Services	1,783.7	1,820.7	1,797.4	1,807.3	1,812.9	1,826.6	1,836.2	1,851.8
Gross private domestic investment	**661.1**	**712.6**	**676.9**	**668.9**	**713.6**	**724.9**	**743.1**	**784.3**
Fixed investment	670.4	707.6	669.3	681.4	705.9	710.0	733.3	747.6
Nonresidential	500.2	515.0	492.1	495.8	514.7	518.7	530.9	545.4
Structures	157.6	146.8	148.4	149.4	149.1	144.7	144.0	143.4
Producers' durable equipment	342.6	368.2	343.7	346.4	365.6	374.0	386.9	402.0
Residential	170.2	192.6	177.3	185.6	191.2	191.3	202.3	202.2
Change in business inventories	−9.3	5.0	7.5	−12.6	7.8	15.0	9.8	36.8
Nonfarm	−9.6	2.6	11.8	−10.7	6.0	9.6	5.6	33.8
Farm	.3	2.4	−4.2	−1.9	1.8	5.3	4.2	3.0
Net exports of goods and services	**−21.8**	**−41.8**	**−20.5**	**−21.5**	**−43.9**	**−52.7**	**−49.0**	**−71.1**
Exports	539.4	573.2	561.4	565.4	563.4	575.9	588.3	584.5
Imports	561.2	615.0	581.8	586.8	607.3	628.6	637.3	655.6
Government purchases	**941.0**	**937.8**	**933.1**	**937.0**	**934.2**	**943.0**	**936.8**	**919.3**
Federal	388.3	375.6	378.2	375.3	372.7	379.5	375.0	357.1
National defense	282.8	265.0	271.0	265.6	262.1	267.4	265.0	245.9
Nondefense	105.5	110.6	107.2	109.7	110.6	112.1	109.9	111.3
State and local	552.7	562.2	554.9	561.8	561.5	563.5	561.9	562.2

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

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

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**5,677.5**	**5,950.7**	**5,753.3**	**5,840.2**	**5,902.2**	**5,978.5**	**6,081.8**	**6,148.0**
Final sales of domestic product	5,687.7	5,946.3	5,744.2	5,855.9	5,894.1	5,963.5	6,071.5	6,109.0
Change in business inventories	−10.2	4.4	9.2	−15.8	8.1	15.0	10.3	39.0
Goods[1]	**2,182.5**	**2,264.7**	**2,197.6**	**2,217.8**	**2,241.3**	**2,273.4**	**2,326.4**	**2,349.4**
Final sales	2,192.7	2,260.3	2,188.4	2,233.6	2,233.2	2,258.4	2,316.1	2,310.4
Change in business inventories	−10.2	4.4	9.2	−15.8	8.1	15.0	10.3	39.0
Durable goods	888.4	940.4	897.6	904.3	941.8	946.5	969.0	987.3
Final sales	907.6	943.9	905.7	923.6	932.3	943.8	975.8	968.5
Change in business inventories	−19.2	−3.5	−8.1	−19.3	9.5	2.7	−6.9	18.8
Nondurable goods	1,294.1	1,324.3	1,300.0	1,313.5	1,299.5	1,326.9	1,357.4	1,362.2
Final sales	1,285.1	1,316.4	1,282.7	1,310.0	1,300.8	1,314.6	1,340.3	1,341.9
Change in business inventories	9.0	7.9	17.3	3.5	−1.4	12.3	17.2	20.2
Services[1]	**3,030.2**	**3,197.1**	**3,090.3**	**3,142.2**	**3,173.4**	**3,217.8**	**3,255.1**	**3,298.6**
Structures	**464.7**	**488.8**	**465.5**	**480.1**	**487.6**	**487.3**	**500.3**	**500.0**

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services.

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

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

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**4,821.0**	**4,922.6**	**4,838.5**	**4,873.7**	**4,892.4**	**4,933.7**	**4,990.8**	**5,002.5**
Final sales of domestic product	4,830.3	4,917.6	4,830.9	4,886.3	4,884.6	4,918.7	4,981.0	4,965.7
Change in business inventories	−9.3	5.0	7.5	−12.6	7.8	15.0	9.8	36.8
Goods[1]	**1,911.2**	**1,959.4**	**1,915.7**	**1,924.0**	**1,936.7**	**1,966.2**	**2,010.6**	**2,017.1**
Final sales	1,920.5	1,954.4	1,908.2	1,936.6	1,929.0	1,951.3	2,000.7	1,980.3
Change in business inventories	−9.3	5.0	7.5	−12.6	7.8	15.0	9.8	36.8
Durable goods	834.1	876.2	839.4	842.4	874.2	883.6	904.8	922.3
Final sales	851.6	879.2	846.8	859.6	865.7	880.2	911.1	905.2
Change in business inventories	−17.5	−2.9	−7.4	−17.3	8.6	3.3	−6.3	17.2
Nondurable goods	1,077.1	1,083.2	1,076.3	1,081.7	1,062.5	1,082.7	1,105.8	1,094.7
Final sales	1,069.0	1,075.2	1,061.3	1,077.0	1,063.3	1,071.1	1,089.7	1,075.1
Change in business inventories	8.2	7.9	15.0	4.7	−.8	11.6	16.1	19.6
Services[1]	**2,497.6**	**2,531.0**	**2,509.0**	**2,520.1**	**2,522.4**	**2,537.5**	**2,544.0**	**2,552.2**
Structures	**412.2**	**432.2**	**413.7**	**429.5**	**433.3**	**429.9**	**436.2**	**433.2**

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services.

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

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

[Billions of dollars]

Gross domestic product	**5,677.5**	**5,950.7**	**5,753.3**	**5,840.2**	**5,902.2**	**5,978.5**	**6,081.8**	**6,148.0**
Less: Exports of goods and services	598.2	636.3	622.9	628.1	625.4	639.0	652.7	649.7
Plus: Imports of goods and services	620.0	666.7	638.9	636.2	662.5	675.0	693.2	700.5
Equals: Gross domestic purchases[1]	**5,699.3**	**5,981.1**	**5,769.3**	**5,848.3**	**5,939.4**	**6,014.5**	**6,122.3**	**6,198.9**
Less: Change in business inventories	−10.2	4.4	9.2	−15.8	8.1	15.0	10.3	39.0
Equals: Final sales to domestic purchasers[2]	**5,709.5**	**5,976.7**	**5,760.1**	**5,864.1**	**5,931.3**	**5,999.5**	**6,112.0**	**6,159.9**

1. Purchases by U.S. residents of goods and services wherever produced.
2. Final sales to U.S. residents of goods and services wherever produced.

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

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

[Billions of 1987 dollars]

Gross domestic product	**4,821.0**	**4,922.6**	**4,838.5**	**4,873.7**	**4,892.4**	**4,933.7**	**4,990.8**	**5,002.5**
Less: Exports of goods and services	539.4	573.2	561.4	565.4	563.4	575.9	588.3	584.5
Plus: Imports of goods and services	561.2	615.0	581.8	586.8	607.3	628.6	637.3	655.6
Equals: Gross domestic purchases[1]	**4,842.8**	**4,964.4**	**4,858.9**	**4,895.2**	**4,936.3**	**4,986.4**	**5,039.8**	**5,073.6**
Less: Change in business inventories	−9.3	5.0	7.5	−12.6	7.8	15.0	9.8	36.8
Equals: Final sales to domestic purchasers[2]	**4,852.1**	**4,959.4**	**4,851.4**	**4,907.7**	**4,928.5**	**4,971.4**	**5,030.0**	**5,036.8**

1. Purchases by U.S. residents of goods and services wherever produced.
2. Final sales to U.S. residents 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 Domestic Product by Sector

[Billions of dollars]

Gross domestic product	**5,677.5**	**5,950.7**	**5,753.3**	**5,840.2**	**5,902.2**	**5,978.5**	**6,081.8**	**6,148.0**
Business	**4,803.8**	**5,033.4**	**4,867.2**	**4,937.4**	**4,988.6**	**5,057.5**	**5,149.9**	**5,200.6**
Nonfarm	4,702.8	4,916.4	4,772.9	4,826.9	4,877.6	4,940.0	5,020.9	5,068.2
Nonfarm less housing	4,229.8	4,415.4	4,289.5	4,341.1	4,386.9	4,413.2	4,520.6	4,556.6
Housing	473.0	500.9	483.4	485.8	490.7	526.8	500.4	511.5
Farm	79.1	82.9	77.9	81.6	80.1	82.5	87.3	85.6
Statistical discrepancy	21.9	34.1	16.4	29.0	30.9	35.1	41.7	46.8
Households and institutions	**246.1**	**263.4**	**253.5**	**258.3**	**261.5**	**264.8**	**268.9**	**273.2**
Private households	9.2	9.7	9.3	9.4	9.6	9.7	9.9	10.1
Nonprofit institutions	236.9	253.7	244.2	248.9	251.9	255.1	259.0	263.2
General government	**627.6**	**654.0**	**632.7**	**644.4**	**652.2**	**656.2**	**663.0**	**674.2**
Federal	192.0	199.0	191.1	198.2	198.7	199.0	200.2	206.6
State and local	435.6	454.9	441.6	446.2	453.5	457.2	462.8	467.6
Addendum:								
Gross domestic business product less housing	4,326.3	.....	.....	.....	.....	.....	.....	.....

Table 1.8.—Gross Domestic Product by Sector in Constant Dollars

[Billions of 1987 dollars]

Gross domestic product	**4,821.0**	**4,922.6**	**4,838.5**	**4,873.7**	**4,892.4**	**4,933.7**	**4,990.8**	**5,002.5**
Business	**4,103.9**	**4,202.9**	**4,123.1**	**4,156.8**	**4,174.4**	**4,212.5**	**4,268.0**	**4,278.7**
Nonfarm	4,015.8	4,100.3	4,036.3	4,058.8	4,076.1	4,109.2	4,157.2	4,166.6
Nonfarm less housing	3,621.0	3,700.9	3,640.3	3,661.1	3,677.0	3,709.1	3,756.4	3,763.7
Housing	394.9	399.4	396.0	397.6	399.1	400.1	400.8	402.9
Farm	69.4	74.1	72.8	73.6	72.5	74.0	76.3	73.6
Statistical discrepancy	18.7	28.5	13.9	24.4	25.9	29.2	34.5	38.5
Households and institutions	**202.4**	**208.0**	**204.8**	**206.7**	**206.7**	**208.8**	**209.8**	**210.9**
Private households	8.2	8.4	8.2	8.3	8.4	8.4	8.4	8.5
Nonprofit institutions	194.2	199.7	196.6	198.4	198.3	200.5	201.4	202.4
General government	**514.7**	**511.7**	**510.6**	**510.3**	**511.3**	**512.3**	**513.0**	**512.9**
Federal	157.1	151.5	153.4	152.5	151.8	151.1	150.6	149.5
State and local	357.5	360.2	357.3	357.7	359.5	361.2	362.4	363.4
Addendum:								
Gross domestic business product less housing	3,705.2	.....	.....	.....	.....	.....	.....	.....

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

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**5,677.5**	**5,950.7**	**5,753.3**	**5,840.2**	**5,902.2**	**5,978.5**	**6,081.8**	**6,148.0**
Plus: Receipts of factor income from the rest of the world[1]	143.5	128.8	133.1	132.9	131.3	128.8	122.3	135.6
Less: Payments of factor income to the rest of the world[2]	126.0	117.6	122.3	113.3	124.3	115.3	117.3	115.6
Equals: Gross national product	**5,694.9**	**5,961.9**	**5,764.1**	**5,859.8**	**5,909.3**	**5,992.0**	**6,086.8**	**6,168.1**
Less: Consumption of fixed capital	626.1	653.4	637.1	631.4	638.2	697.7	646.5	660.8
Capital consumption allowances	574.2	619.3	588.2	598.0	608.9	642.8	627.7	640.0
Less: Capital consumption adjustment	−51.9	−34.1	−48.8	−33.5	−29.3	−54.8	−18.8	−20.9
Equals: Net national product	**5,068.8**	**5,308.5**	**5,127.0**	**5,228.3**	**5,271.1**	**5,294.3**	**5,440.2**	**5,507.2**
Less: Indirect business tax and nontax liability	475.2	504.2	487.9	493.8	497.6	506.4	519.0	523.4
Business transfer payments	28.1	29.7	28.6	29.4	29.8	29.9	29.9	29.9
Statistical discrepancy	21.9	34.1	16.4	29.0	30.9	35.1	41.7	46.8
Plus: Subsidies less current surplus of government enterprises	.5	2.9	5.1	3.2	3.6	−3.4	8.2	16.3
Equals: National income	**4,544.2**	**4,743.4**	**4,599.1**	**4,679.4**	**4,716.5**	**4,719.6**	**4,858.0**	**4,923.5**
Less: Corporate profits with inventory valuation and capital consumption adjustments	346.3	393.8	347.1	384.0	388.4	374.1	428.5	432.2
Net interest	449.5	415.2	446.9	430.0	420.0	407.3	403.6	402.9
Contributions for social insurance	528.8	553.5	535.2	546.2	550.8	554.4	562.5	572.4
Wage accruals less disbursements	−.1	−1.5	0	0	0	0	−6.0	−6.0
Plus: Personal interest income	700.6	670.2	703.3	684.8	675.2	663.2	657.8	656.4
Personal dividend income	137.0	139.3	134.3	133.9	136.6	141.0	145.8	149.9
Government transfer payments to persons	748.3	841.6	776.5	818.6	835.3	849.3	863.0	884.2
Business transfer payments to persons	22.8	24.5	23.3	24.1	24.4	24.8	24.9	25.1
Equals: Personal income	**4,828.3**	**5,058.1**	**4,907.2**	**4,980.5**	**5,028.9**	**5,062.0**	**5,160.9**	**5,237.6**
Addenda:								
Net domestic product	5,051.4	5,297.2	5,116.3	5,208.7	5,264.1	5,280.9	5,435.3	5,487.2
Domestic income	4,526.7	4,732.1	4,588.4	4,659.8	4,709.5	4,706.1	4,853.0	4,903.5
Gross national income	5,673.1	5,927.8	5,747.7	5,830.8	5,878.4	5,956.9	6,045.1	6,121.2

1. Consists largely of receipts by U.S. residents of interest and dividends and reinvested earnings of foreign affiliates of U.S. corporations.

2. Consists largely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.

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

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**4,821.0**	**4,922.6**	**4,838.5**	**4,873.7**	**4,892.4**	**4,933.7**	**4,990.8**	**5,002.5**
Plus: Receipts of factor income from the rest of the world[1]	120.8	105.4	110.8	109.7	107.6	105.0	99.2	109.0
Less: Payments of factor income to the rest of the world[2]	105.4	95.2	101.0	92.7	101.0	93.0	94.1	91.8
Equals: Gross national product	**4,836.4**	**4,932.8**	**4,848.2**	**4,890.7**	**4,899.1**	**4,945.6**	**4,995.9**	**5,019.6**
Less: Consumption of fixed capital	569.3	591.3	579.1	576.4	578.0	628.3	582.5	592.8
Equals: Net national product	**4,267.2**	**4,341.5**	**4,269.1**	**4,314.3**	**4,321.1**	**4,317.3**	**4,413.3**	**4,426.9**
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	391.6	401.0	391.3	396.3	399.5	402.5	405.6	406.1
Statistical discrepancy	18.7	28.5	13.9	24.4	25.9	29.2	34.5	38.5
Equals: National income	**3,856.9**	**3,912.1**	**3,863.9**	**3,893.6**	**3,895.8**	**3,885.6**	**3,973.2**	**3,982.2**
Addenda:								
Net domestic product	4,251.7	4,331.3	4,259.4	4,297.3	4,314.4	4,305.4	4,408.2	4,409.7
Domestic income	3,841.5	3,901.9	3,854.2	3,876.6	3,889.1	3,873.6	3,968.1	3,965.0
Gross national income	4,817.8	4,904.3	4,834.3	4,866.3	4,873.2	4,916.4	4,961.3	4,981.1

1. Consists largely of receipts by U.S. residents of interest and dividends and reinvested earnings of foreign affiliates of U.S. corporations.

2. Consists largely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.

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

[Billions of 1987 dollars]

Gross national product	**4,836.4**	**4,932.8**	**4,848.2**	**4,890.7**	**4,899.1**	**4,945.6**	**4,995.9**	**5,019.6**
Less: Exports of goods and services and receipts of factor income from the rest of the world	660.2	678.6	672.2	675.0	671.0	680.9	687.5	693.5
Plus: Command-basis exports of goods and services and receipts of factor income[1]	662.7	692.9	678.2	689.9	681.2	701.1	699.4	719.2
Equals: Command-basis gross national product	**4,838.9**	**4,947.1**	**4,854.2**	**4,905.6**	**4,909.2**	**4,965.8**	**5,007.8**	**5,045.4**
Addendum:								
Terms of trade[2]	100.4	102.1	100.9	102.2	101.5	103.0	101.7	103.7

1. Exports of goods and services and receipts of factor income deflated by the implicit price deflator for imports of goods and services and payments of factor income.

2. Ratio of the implicit price deflator for exports of goods and services and receipts of factor income to the corresponding implicit price deflator for imports 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]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
National income	**4,544.2**	**4,743.4**	**4,599.1**	**4,679.4**	**4,716.5**	**4,719.6**	**4,858.0**	**4,923.5**
Compensation of employees	**3,390.8**	**3,525.2**	**3,433.8**	**3,476.3**	**3,506.3**	**3,534.3**	**3,583.7**	**3,628.9**
Wages and salaries	2,812.2	2,916.6	2,845.0	2,877.6	2,901.3	2,923.5	2,963.9	3,000.3
Government	543.5	562.5	546.4	554.6	561.4	564.3	569.6	578.1
Other	2,268.7	2,354.1	2,298.6	2,323.0	2,339.9	2,359.1	2,394.3	2,422.2
Supplements to wages and salaries	578.7	608.6	588.7	598.7	605.0	610.8	619.8	628.6
Employer contributions for social insurance	290.4	302.9	293.7	299.4	301.5	302.9	307.6	312.0
Other labor income	288.3	305.7	295.0	299.2	303.6	307.9	312.2	316.5
Proprietors' income with IVA and CCAdj	**368.0**	**404.5**	**377.9**	**393.6**	**398.4**	**397.4**	**428.4**	**442.0**
Farm	35.8	39.5	37.9	40.1	38.5	31.5	48.1	52.9
Proprietors' income with IVA	43.4	47.1	45.4	47.5	45.8	39.7	55.3	60.0
CCAdj	−7.6	−7.5	−7.5	−7.4	−7.3	−8.2	−7.2	−7.1
Nonfarm	332.2	364.9	340.0	353.6	359.9	365.9	380.4	389.1
Proprietors' income	318.7	349.3	325.6	339.1	344.8	350.2	363.2	372.6
IVA	−.3	−.7	−.1	−.8	−1.0	−.5	−.3	−1.4
CCAdj	13.8	16.2	14.4	15.2	16.1	16.2	17.5	17.9
Rental income of persons with CCAdj	**−10.4**	**4.7**	**−6.6**	**−4.5**	**3.3**	**6.4**	**13.6**	**17.5**
Rental income of persons	47.5	68.5	54.7	51.7	60.0	90.3	72.2	81.4
CCAdj	−57.9	−63.8	−61.3	−56.2	−56.6	−83.9	−58.6	−63.8
Corporate profits with IVA and CCAdj	**346.3**	**393.8**	**347.1**	**384.0**	**388.4**	**374.1**	**428.5**	**432.2**
Corporate profits with IVA	337.8	364.2	333.1	360.7	361.4	344.4	390.4	391.4
Profits before tax	334.7	371.6	332.3	366.1	376.8	354.1	389.4	400.6
Profits tax liability	124.0	140.2	125.0	136.4	144.1	131.8	148.5	146.8
Profits after tax	210.7	231.4	207.4	229.7	232.7	222.2	241.0	253.8
Dividends	146.5	149.3	143.9	143.6	146.6	151.1	155.9	160.2
Undistributed profits	64.2	82.1	63.4	86.2	86.1	71.1	85.0	93.6
IVA	3.1	−7.4	.7	−5.4	−15.5	−9.7	1.0	−9.3
CCAdj	8.4	29.5	14.1	23.3	27.0	29.7	38.1	40.8
Net interest	**449.5**	**415.2**	**446.9**	**430.0**	**420.0**	**407.3**	**403.6**	**402.9**
Addenda:								
Corporate profits after tax with IVA and CCAdj	222.3	253.6	222.2	247.6	244.3	242.3	280.1	285.4
Net cash flow with IVA and CAdj	458.8	499.1	464.6	490.1	488.9	498.4	518.9	525.0
Undistributed profits with IVA and CCAdj	75.8	104.3	78.3	104.0	97.7	91.2	124.1	125.2
Consumption of fixed capital	383.0	394.8	386.3	386.1	391.2	407.2	394.7	399.8
Less: IVA	3.1	−7.4	.7	−5.4	−15.5	−9.7	1.0	−9.3
Equals: Net cash flow	455.6	506.5	463.9	495.6	504.3	508.1	517.9	534.2

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

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
	Billions of dollars							
Gross domestic product of corporate business	**3,352.2**	**3,493.3**	**3,391.5**	**3,437.3**	**3,471.4**	**3,488.4**	**3,576.3**	**3,597.1**
Consumption of fixed capital	383.0	394.8	386.3	386.1	391.2	407.2	394.7	399.8
Net domestic product	2,969.2	3,098.5	3,005.1	3,051.2	3,080.2	3,081.1	3,181.6	3,197.3
Indirect business tax and nontax liability plus business transfer payments less subsidies	342.2	362.6	351.5	355.7	357.5	364.0	373.1	374.1
Domestic income	2,627.0	2,735.9	2,653.7	2,695.5	2,722.7	2,717.2	2,808.4	2,823.2
Compensation of employees	2,219.5	2,290.2	2,245.7	2,261.4	2,277.8	2,294.4	2,327.1	2,353.5
Wages and salaries	1,855.8	1,913.5	1,874.9	1,890.6	1,903.1	1,916.5	1,943.9	1,965.8
Supplements to wages and salaries	363.7	376.6	370.9	370.8	374.7	377.9	383.2	387.7
Corporate profits with IVA and CCAdj	279.8	329.8	284.2	315.3	327.4	309.0	367.4	356.3
Profits before tax	268.2	307.6	269.4	297.4	315.9	289.0	328.3	324.8
Profits tax liability	124.0	140.2	125.0	136.4	144.1	131.8	148.5	146.8
Profits after tax	144.2	167.4	144.5	161.0	171.7	157.1	179.8	178.0
Dividends	128.3	127.4	131.9	116.6	122.3	126.9	143.8	151.3
Undistributed profits	15.9	40.0	12.6	44.4	49.5	30.2	36.0	26.6
IVA	3.1	−7.4	.7	−5.4	−15.5	−9.7	1.0	−9.3
CCAdj	8.4	29.5	14.1	23.3	27.0	29.7	38.1	40.8
Net interest	127.7	116.0	123.7	118.7	117.5	113.8	114.0	113.4
Gross domestic product of financial corporate business	**278.4**	**291.6**	**280.4**	**299.2**	**292.5**	**276.8**	**298.0**	**306.0**
Gross domestic product of nonfinancial corporate business	**3,073.8**	**3,201.7**	**3,111.1**	**3,138.1**	**3,178.8**	**3,211.6**	**3,278.3**	**3,291.1**
Consumption of fixed capital	341.2	351.0	343.5	342.7	347.6	363.3	350.5	354.8
Net domestic product	2,732.6	2,850.7	2,767.5	2,795.4	2,831.3	2,848.3	2,927.8	2,936.3
Indirect business tax and nontax liability plus business transfer payments less subsidies	310.8	328.8	318.7	322.6	324.1	330.1	338.4	339.2
Domestic income	2,421.8	2,521.9	2,448.8	2,472.8	2,507.1	2,518.2	2,589.5	2,597.1
Compensation of employees	2,048.6	2,106.1	2,071.8	2,081.0	2,096.4	2,109.5	2,137.4	2,160.0
Wages and salaries	1,711.3	1,757.9	1,727.9	1,738.0	1,749.7	1,760.2	1,783.7	1,802.3
Supplements to wages and salaries	337.3	348.2	343.9	343.0	346.6	349.3	353.8	357.7
Corporate profits with IVA and CCAdj	229.9	283.0	235.3	255.7	276.2	278.5	321.5	307.2
Profits before tax	207.3	250.9	209.7	227.3	254.5	248.6	272.9	266.0
Profits tax liability	81.1	98.9	82.1	90.2	100.8	96.6	108.0	105.1
Profits after tax	126.2	152.0	127.6	137.1	153.7	152.0	165.0	160.9
Dividends	117.3	117.7	120.9	107.1	113.4	117.0	133.3	140.3
Undistributed profits	8.8	34.3	6.7	30.1	40.4	35.0	31.7	20.6
IVA	3.1	−7.4	.7	−5.4	−15.5	−9.7	1.0	−9.3
CCAdj	19.4	39.5	24.8	33.8	37.1	39.5	47.6	50.4
Net interest	143.4	132.9	141.7	136.0	134.6	130.3	130.5	130.0
	Billions of 1987 dollars							
Gross domestic product of nonfinancial corporate business	**2,698.0**	**2,780.9**	**2,722.0**	**2,737.6**	**2,760.8**	**2,787.6**	**2,837.6**	**2,830.0**
Consumption of fixed capital	309.5	317.5	312.0	313.2	314.0	326.9	316.1	319.4
Net domestic product	2,388.5	2,463.4	2,410.0	2,424.3	2,446.9	2,460.7	2,521.5	2,510.7
Indirect business tax and nontax liability plus business transfer payments less subsidies	249.0	256.3	249.5	252.6	254.8	257.4	260.3	260.5
Domestic income	2,139.6	2,207.1	2,160.5	2,171.8	2,192.0	2,203.4	2,261.2	2,250.2

Table 2.1.—Personal Income and Its Disposition

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Personal income	**4,828.3**	**5,058.1**	**4,907.2**	**4,980.5**	**5,028.9**	**5,062.0**	**5,160.9**	**5,237.6**
Wage and salary disbursements	**2,812.2**	**2,918.1**	**2,845.0**	**2,877.6**	**2,901.3**	**2,923.5**	**2,969.9**	**3,006.3**
Commodity-producing industries	737.4	743.2	741.5	736.8	743.1	742.4	750.6	754.4
Manufacturing	556.9	565.7	563.9	559.9	564.7	565.5	572.8	576.4
Distributive industries	647.4	666.8	652.9	660.9	662.9	667.7	675.8	685.6
Service industries	883.9	945.5	904.3	925.3	933.9	949.1	973.9	988.2
Government	543.6	562.5	546.4	554.6	561.4	564.3	569.6	578.1
Other labor income	**288.3**	**305.7**	**295.0**	**299.2**	**303.6**	**307.9**	**312.2**	**316.5**
Proprietors' income with inventory valuation and capital consumption adjustments	**368.0**	**404.5**	**377.9**	**393.6**	**398.4**	**397.4**	**428.4**	**442.0**
Farm	35.8	39.5	37.9	40.1	38.5	31.5	48.1	52.9
Nonfarm	332.2	364.9	340.0	353.6	359.9	365.9	380.4	389.1
Rental income of persons with capital consumption adjustment	**−10.4**	**4.7**	**−6.6**	**−4.5**	**3.3**	**6.4**	**13.6**	**17.5**
Personal dividend income	**137.0**	**139.3**	**134.3**	**133.9**	**136.6**	**141.0**	**145.8**	**149.9**
Personal interest income	**700.6**	**670.2**	**703.3**	**684.8**	**675.2**	**663.2**	**657.8**	**656.4**
Transfer payments to persons	**771.1**	**866.1**	**799.8**	**842.7**	**859.7**	**874.1**	**888.0**	**909.4**
Old-age, survivors, disability, and health insurance benefits	382.0	414.1	390.6	405.7	412.1	417.1	421.6	434.2
Government unemployment insurance benefits	27.5	40.2	30.0	39.7	41.7	40.4	39.1	35.9
Veterans benefits	18.1	19.1	18.1	20.2	18.7	18.5	18.8	19.7
Government employees retirement benefits	101.3	107.0	102.0	106.4	106.4	106.6	108.6	112.0
Other transfer payments	242.1	285.7	259.1	270.7	280.8	291.5	299.9	307.6
Aid to families with dependent children	22.0	23.3	22.7	23.0	23.4	23.6	23.3	23.4
Other	220.2	262.4	236.4	247.7	257.4	267.9	276.6	284.2
Less: Personal contributions for social insurance	**238.4**	**250.6**	**241.5**	**246.8**	**249.3**	**251.5**	**254.8**	**260.4**
Less: Personal tax and nontax payments	**618.7**	**627.3**	**622.3**	**619.6**	**617.1**	**628.8**	**643.6**	**656.3**
Equals: Disposable personal income	**4,209.6**	**4,430.8**	**4,284.9**	**4,360.9**	**4,411.8**	**4,433.2**	**4,517.3**	**4,581.4**
Less: Personal outlays	**4,009.9**	**4,218.1**	**4,065.5**	**4,146.3**	**4,179.5**	**4,229.9**	**4,316.9**	**4,362.3**
Personal consumption expenditures	3,887.7	4,095.8	3,942.9	4,022.8	4,057.1	4,108.7	4,194.8	4,238.6
Interest paid by persons	112.5	112.1	112.8	113.3	112.0	111.2	111.7	113.1
Personal transfer payments to rest of the world (net)	9.7	10.3	9.7	10.2	10.4	10.0	10.4	10.7
Equals: Personal saving	**199.6**	**212.6**	**219.4**	**214.6**	**232.3**	**203.3**	**200.4**	**219.0**
Addenda:								
Disposable personal income:								
Total, billions of 1987 dollars	3,509.0	3,585.1	3,530.8	3,565.7	3,576.0	3,580.5	3,618.2	3,642.4
Per capita:								
Current dollars	16,658	17,346	16,885	17,143	17,297	17,332	17,610	17,817
1987 dollars	13,886	14,035	13,913	14,017	14,021	13,998	14,105	14,165
Population (mid-period, millions)	252.7	255.4	253.8	254.4	255.1	255.8	256.5	257.1
Personal saving as percentage of disposable personal income	4.7	4.8	5.1	4.9	5.3	4.6	4.4	4.8

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]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Personal consumption expenditures	**3,887.7**	**4,095.8**	**3,942.9**	**4,022.8**	**4,057.1**	**4,108.7**	**4,194.8**	**4,238.6**
Durable goods	**446.1**	**480.4**	**450.4**	**469.4**	**470.6**	**482.5**	**499.1**	**500.6**
Motor vehicles and parts	185.4	203.7	190.9	198.9	200.7	201.7	213.6	212.8
Furniture and household equipment	170.4	180.9	168.9	176.3	176.3	182.4	188.4	188.8
Other	90.2	95.8	90.6	94.1	93.5	98.5	97.2	98.9
Nondurable goods	**1,251.5**	**1,290.7**	**1,251.4**	**1,274.1**	**1,277.5**	**1,292.8**	**1,318.6**	**1,321.8**
Food	617.7	630.9	620.0	627.9	623.2	627.3	645.2	645.1
Clothing and shoes	209.0	221.8	206.8	216.5	217.4	224.3	229.0	226.0
Gasoline and oil	105.5	105.4	103.5	102.8	105.4	107.7	105.8	106.4
Fuel oil and coal	11.7	12.8	11.3	11.6	13.8	13.0	12.7	13.7
Other	307.7	319.8	309.8	315.4	317.7	320.5	325.7	330.5
Services	**2,190.1**	**2,324.7**	**2,241.1**	**2,279.3**	**2,309.0**	**2,333.3**	**2,377.1**	**2,416.3**
Housing	574.0	600.5	583.0	590.9	597.4	603.3	610.3	618.7
Household operation	223.7	227.9	225.5	223.5	227.9	225.8	234.4	234.9
Electricity and gas	103.6	104.7	105.2	101.8	104.2	104.8	107.9	107.6
Other household operation	120.1	123.3	120.3	121.8	123.6	121.0	126.5	127.3
Transportation	147.3	154.5	149.8	152.6	152.5	153.1	159.9	164.8
Medical care	580.2	635.2	603.2	614.8	629.0	642.0	655.0	669.1
Other	664.9	706.6	679.6	697.5	702.2	709.1	717.5	728.8

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

[Billions of 1987 dollars]

Personal consumption expenditures	**3,240.8**	**3,314.0**	**3,249.0**	**3,289.3**	**3,288.5**	**3,318.4**	**3,359.9**	**3,369.9**
Durable goods	**414.7**	**439.1**	**416.1**	**432.3**	**430.0**	**439.8**	**454.4**	**455.1**
Motor vehicles and parts	171.0	182.2	174.0	181.5	180.2	179.0	188.0	186.3
Furniture and household equipment	168.6	179.6	167.9	174.4	174.4	181.5	188.0	189.9
Other	75.0	77.4	74.2	76.5	75.4	79.3	78.3	78.8
Nondurable goods	**1,042.4**	**1,054.1**	**1,035.6**	**1,049.6**	**1,045.6**	**1,052.0**	**1,069.4**	**1,063.0**
Food	515.8	518.4	515.3	518.9	513.5	514.3	526.7	523.5
Clothing and shoes	181.3	188.3	177.5	184.1	184.4	190.8	193.7	188.6
Gasoline and oil	85.2	85.5	84.7	85.7	85.8	86.0	84.6	84.0
Fuel oil and coal	9.7	10.9	9.4	10.2	12.0	10.9	10.8	11.6
Other	250.5	251.0	248.6	250.7	249.8	250.1	253.6	255.3
Services	**1,783.7**	**1,820.7**	**1,797.4**	**1,807.3**	**1,812.9**	**1,826.6**	**1,836.2**	**1,851.8**
Housing	478.2	484.4	479.8	481.2	483.3	485.8	487.2	489.3
Household operation	204.7	204.5	204.6	201.6	204.2	205.6	206.7	207.8
Electricity and gas	95.2	94.3	95.6	92.9	94.5	94.0	95.7	95.8
Other household operation	109.6	110.3	109.0	108.7	109.7	111.6	111.0	111.9
Transportation	121.2	122.0	121.0	120.3	121.3	124.1	122.2	122.7
Medical care	438.8	455.8	447.2	449.6	453.7	458.1	461.7	466.5
Other	540.7	554.1	544.8	554.6	550.5	553.1	558.3	565.4

Table 3.2.—Federal Government Receipts and Expenditures

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Receipts	**1,122.2**	**1,160.4**	**1,129.4**	**1,143.3**	**1,149.8**	**1,155.4**	**1,193.1**	**1,213.5**
Personal tax and nontax receipts	473.4	474.1	472.2	468.4	464.2	475.5	488.2	499.3
Income taxes	461.4	461.7	460.5	456.4	452.3	462.9	475.3	486.4
Estate and gift taxes	11.0	11.2	10.7	10.9	10.8	11.5	11.7	11.6
Nontaxes	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.4
Corporate profits tax accruals	102.5	115.0	103.3	112.2	118.3	108.2	121.4	120.0
Federal Reserve banks	20.8	18.3	20.3	19.3	19.0	17.7	17.3	17.0
Other	81.7	96.7	83.0	92.9	99.3	90.5	104.1	103.0
Indirect business tax and nontax accruals	78.2	81.5	80.8	79.2	79.8	81.3	85.8	87.1
Excise taxes	45.6	46.4	45.7	46.0	46.1	46.6	47.1	49.2
Customs duties	17.2	18.6	18.9	17.1	17.9	18.7	20.6	21.6
Nontaxes	15.3	16.5	16.2	16.1	15.8	16.0	18.1	16.3
Contributions for social insurance	468.2	489.7	473.2	483.5	487.4	490.4	497.7	507.0
Expenditures	**1,332.7**	**1,458.4**	**1,388.1**	**1,432.5**	**1,452.7**	**1,459.8**	**1,488.6**	**1,487.0**
Purchases	447.3	449.1	440.8	445.0	444.8	455.2	451.6	441.2
National defense	323.8	315.8	314.7	313.6	311.7	319.6	318.2	304.3
Nondefense	123.6	133.4	126.1	131.4	133.1	135.7	133.4	136.9
Transfer payments (net)	521.9	623.3	565.9	609.8	619.5	622.6	641.4	645.4
To persons	550.2	608.0	564.7	597.8	605.9	610.6	617.6	630.8
To rest of the world (net)	–28.3	15.3	1.3	12.0	13.6	12.0	23.9	14.6
Grants-in-aid to State and local governments	153.3	173.0	163.6	165.1	174.1	174.0	178.7	178.2
Net interest paid	186.9	186.7	190.1	186.8	187.5	187.8	184.8	181.8
Interest paid	220.9	219.9	223.2	220.3	221.9	221.1	216.4	214.1
To persons and business	181.9	181.1	185.0	182.0	183.1	182.0	177.1	174.9
To rest of the world (net)	39.0	38.9	38.2	38.2	38.9	39.1	39.2	39.2
Less: Interest received by government	34.0	33.2	33.2	33.4	34.5	33.3	31.6	32.3
Subsidies less current surplus of government enterprises	23.1	26.2	27.7	25.7	26.9	20.2	32.2	40.4
Subsidies	29.1	30.6	33.4	30.9	31.6	24.7	35.3	43.4
Less: Current surplus of government enterprises	6.0	4.4	5.7	5.2	4.7	4.5	3.2	3.0
Less: Wage accruals less disbursements	–.1	0	0	0	0	0	0	0
Surplus or deficit (–), national income and product accounts	**–210.4**	**–298.0**	**–258.7**	**–289.2**	**–302.9**	**–304.4**	**–295.5**	**–273.5**
Social insurance funds	50.1	30.4	46.2	28.5	28.4	30.1	34.5	32.6
Other	–260.6	–328.4	–304.8	–317.6	–331.3	–334.5	–330.0	–306.1

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Receipts	**777.9**	**837.7**	**804.6**	**817.8**	**834.0**	**840.0**	**859.2**	**863.6**
Personal tax and nontax receipts	145.4	153.2	150.1	151.1	152.9	153.3	155.5	156.9
Income taxes	110.3	115.8	114.2	114.6	115.8	115.7	117.3	118.1
Nontaxes	16.7	17.9	17.1	17.4	17.7	18.0	18.3	18.6
Other	18.4	19.5	18.8	19.1	19.4	19.6	19.9	20.2
Corporate profits tax accruals	21.5	25.2	21.7	24.2	25.8	23.6	27.0	26.8
Indirect business tax and nontax accruals	397.0	422.7	407.1	414.6	417.8	425.1	433.2	436.3
Sales taxes	189.0	200.8	192.9	197.3	198.5	201.6	205.8	206.9
Property taxes	167.7	180.5	172.4	175.6	178.9	182.3	185.1	188.0
Other	40.4	41.4	41.8	41.7	40.4	41.2	42.3	41.4
Contributions for social insurance	60.6	63.7	62.0	62.7	63.4	64.0	64.8	65.4
Federal grants-in-aid	153.3	173.0	163.6	165.1	174.1	174.0	178.7	178.2
Expenditures	**760.7**	**822.3**	**782.5**	**801.2**	**816.3**	**830.8**	**840.8**	**852.6**
Purchases	643.2	665.8	649.5	658.0	664.3	669.0	671.7	674.9
Compensation of employees	435.6	454.9	441.6	446.2	453.5	457.2	462.8	467.6
Other	207.6	210.8	207.9	211.8	210.8	211.8	208.9	207.3
Transfer payments to persons	198.0	233.6	211.8	220.8	229.4	238.7	245.5	253.4
Net interest paid	–48.4	–43.8	–46.6	–45.4	–44.3	–43.3	–42.3	–41.3
Interest paid	63.7	66.5	64.8	65.4	66.1	66.8	67.5	68.1
Less: Interest received by government	112.1	110.3	111.3	110.8	110.4	110.1	109.7	109.5
Less: Dividends received by government	9.5	10.0	9.6	9.7	10.0	10.1	10.2	10.4
Subsidies less current surplus of government enterprises	–22.6	–23.3	–22.6	–22.5	–23.2	–23.6	–23.9	–24.1
Subsidies	.4	.4	.4	.4	.4	.4	.4	.4
Less: Current surplus of government enterprises	23.0	23.7	23.0	22.9	23.6	24.0	24.3	24.5
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (–), national income and product accounts	**17.1**	**15.5**	**22.0**	**16.6**	**17.7**	**9.2**	**18.3**	**11.0**
Social insurance funds	60.3	57.5	59.4	58.4	58.0	57.2	56.5	55.6
Other	–43.1	–42.1	–37.3	–41.8	–40.3	–48.0	–38.1	–44.6

Table 3.7B.—Government Purchases by Type

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Government purchases	**1,090.5**	**1,114.9**	**1,090.3**	**1,103.1**	**1,109.1**	**1,124.2**	**1,123.3**	**1,116.1**
Federal	**447.3**	**449.1**	**440.8**	**445.0**	**444.8**	**455.2**	**451.6**	**441.2**
National defense	**323.8**	**315.8**	**314.7**	**313.6**	**311.7**	**319.6**	**318.2**	**304.3**
Durable goods	84.1	79.0	80.2	79.5	76.7	80.1	79.8	74.4
Nondurable goods	12.2	11.2	12.5	10.3	12.1	11.7	10.5	8.9
Services	222.5	219.9	217.1	218.7	216.8	222.0	222.2	215.8
Compensation of employees	132.6	135.4	130.9	135.2	135.2	135.2	135.8	139.9
Military	88.6	88.5	86.5	88.9	88.4	88.2	88.4	90.8
Civilian	44.0	46.9	44.4	46.3	46.8	47.0	47.4	49.1
Other services	90.0	84.6	86.2	83.4	81.6	86.8	86.4	75.9
Structures	4.9	5.7	4.9	5.2	6.0	5.7	5.7	5.2
Nondefense	**123.6**	**133.4**	**126.1**	**131.4**	**133.1**	**135.7**	**133.4**	**136.9**
Durable goods	6.8	7.6	7.0	7.2	7.4	8.0	7.9	8.1
Nondurable goods	7.0	8.3	5.3	7.1	8.0	9.2	9.0	9.2
Commodity Credit Corporation inventory change	.4	.5	−2.0	−.7	−.2	1.5	1.6	1.8
Other nondurables	6.6	7.8	7.4	7.9	8.2	7.7	7.4	7.4
Services	100.4	106.4	102.9	106.2	107.2	106.6	105.8	110.1
Compensation of employees	59.4	63.7	60.2	62.9	63.5	63.8	64.4	66.7
Other services	41.0	42.8	42.7	43.2	43.7	42.8	41.4	43.4
Structures	9.4	11.0	10.8	10.9	10.4	11.9	10.8	9.5
State and local	**643.2**	**665.8**	**649.5**	**658.0**	**664.3**	**669.0**	**671.7**	**674.9**
Durable goods	36.4	37.0	36.7	36.8	37.0	37.2	37.2	37.4
Nondurable goods	58.0	58.5	57.8	57.3	58.7	59.2	58.6	59.0
Services	462.1	477.2	466.6	470.4	475.7	478.9	483.7	487.2
Compensation of employees	435.6	454.9	441.6	446.2	453.5	457.2	462.8	467.6
Other services	26.6	22.2	25.0	24.2	22.2	21.7	20.9	19.6
Structures	86.7	93.1	88.4	93.5	92.9	93.7	92.2	91.3

Table 3.8B.—Government Purchases by Type in Constant Dollars

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Government purchases	**941.0**	**937.8**	**933.1**	**937.0**	**934.2**	**943.0**	**936.8**	**919.3**
Federal	**388.3**	**375.6**	**378.2**	**375.3**	**372.7**	**379.5**	**375.0**	**357.1**
National defense	**282.8**	**265.0**	**271.0**	**265.6**	**262.1**	**267.4**	**265.0**	**245.9**
Durable goods	78.6	73.7	74.7	74.1	71.5	74.8	74.6	68.0
Nondurable goods	10.4	10.2	10.8	9.7	11.0	10.3	9.7	7.9
Services	189.6	176.3	181.1	177.2	174.5	177.5	176.0	165.7
Compensation of employees	108.6	102.3	104.6	103.5	102.5	101.8	101.3	100.2
Military	72.9	66.4	69.0	67.8	66.6	65.9	65.4	64.4
Civilian	35.7	35.9	35.6	35.7	35.9	35.9	35.9	35.8
Other services	81.0	74.0	76.6	73.7	72.0	75.7	74.7	65.5
Structures	4.2	4.8	4.3	4.5	5.1	4.8	4.8	4.3
Nondefense	**105.5**	**110.6**	**107.2**	**109.7**	**110.6**	**112.1**	**109.9**	**111.3**
Durable goods	6.8	8.1	7.2	7.5	7.8	8.4	8.6	9.0
Nondurable goods	6.5	7.5	5.4	6.9	7.4	7.8	7.9	8.3
Commodity Credit Corporation inventory change	.7	.5	−1.2	−.1	.1	.9	1.2	1.7
Other nondurables	5.9	7.0	6.6	7.0	7.3	6.9	6.7	6.6
Services	83.9	85.3	85.1	85.6	86.3	85.5	84.1	85.8
Compensation of employees	48.6	49.2	48.8	49.0	49.3	49.3	49.3	49.3
Other services	35.4	36.1	36.3	36.5	36.9	36.2	34.8	36.4
Structures	8.2	9.7	9.5	9.7	9.2	10.4	9.4	8.3
State and local	**552.7**	**562.2**	**554.9**	**561.8**	**561.5**	**563.5**	**561.9**	**562.2**
Durable goods	32.7	32.8	32.8	32.7	32.7	32.8	32.8	32.7
Nondurable goods	50.3	50.6	50.5	50.5	50.6	50.7	50.8	50.7
Services	391.3	393.7	391.1	391.6	392.9	394.6	395.7	396.8
Compensation of employees	357.5	360.2	357.3	357.7	359.5	361.2	362.4	363.4
Other services	33.8	33.5	33.8	33.9	33.4	33.4	33.3	33.4
Structures	78.3	85.0	80.6	86.9	85.2	85.4	82.6	82.0

Table 3.10.—National Defense Purchases

[Billions of dollars]

National defense purchases	**323.8**	**315.8**	**314.7**	**313.6**	**311.7**	**319.6**	**318.2**	**304.3**
Durable goods	**84.1**	**79.0**	**80.2**	**79.5**	**76.7**	**80.1**	**79.8**	**74.4**
Military equipment	78.1	73.2	74.0	73.5	71.3	74.0	74.0	69.9
Aircraft	27.0	22.7	25.7	23.1	22.7	22.4	22.4	20.3
Missiles	16.4	16.2	16.3	15.8	15.7	16.7	16.6	15.5
Ships	12.1	11.4	12.0	11.2	11.3	11.4	11.6	11.5
Vehicles	4.7	4.5	3.8	4.3	4.1	5.0	4.7	4.1
Electronic equipment	6.7	6.5	6.2	6.5	6.2	6.9	6.6	6.4
Other	11.2	11.9	10.1	12.5	11.3	11.7	12.1	12.1
Other durable goods	6.0	5.8	6.2	6.0	5.4	6.1	5.8	4.6
Nondurable goods	**12.2**	**11.2**	**12.5**	**10.3**	**12.1**	**11.7**	**10.5**	**8.9**
Petroleum products	5.0	3.7	5.1	4.1	3.8	4.0	3.0	3.0
Ammunition	3.6	4.0	3.9	2.6	5.1	4.2	4.2	3.2
Other nondurable goods	3.5	3.4	3.5	3.6	3.2	3.5	3.3	2.6
Services	**222.5**	**219.9**	**217.1**	**218.7**	**216.8**	**222.0**	**222.2**	**215.8**
Compensation of employees	132.6	135.4	130.9	135.2	135.2	135.2	135.8	139.9
Military	88.6	88.5	86.5	88.9	88.4	88.2	88.4	90.8
Civilian	44.0	46.9	44.4	46.3	46.8	47.0	47.4	49.1
Other services	90.0	84.6	86.2	83.4	81.6	86.8	86.4	75.9
Contractual research and development	25.6	23.2	24.1	22.0	22.8	23.8	24.4	21.5
Installation support[1]	23.1	23.9	22.8	24.2	23.0	24.9	23.4	21.4
Weapons support[2]	11.2	12.1	12.1	11.5	12.0	12.5	12.3	10.4
Personnel support[3]	13.0	11.9	11.6	11.6	11.6	12.2	12.3	10.8
Transportation of material	9.3	6.0	6.8	6.2	5.4	6.0	6.2	5.4
Travel of persons	8.5	8.0	9.3	8.3	7.3	8.1	8.3	7.1
Other	−.8	−.5	−.5	−.4	−.4	−.8	−.5	−.7
Structures	**4.9**	**5.7**	**4.9**	**5.2**	**6.0**	**5.7**	**5.7**	**5.2**
Military facilities	2.5	3.4	2.6	3.1	3.7	3.4	3.6	2.9
Other	2.4	2.2	2.3	2.1	2.3	2.3	2.1	2.2

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.
2. Includes depot maintenance and contractual services for weapons systems, other than research and development.
3. Includes compensation of foreign personnel, consulting, training, and education.

Table 3.11.—National Defense Purchases in Constant Dollars

[Billions of 1987 dollars]

National defense purchases	**282.8**	**265.0**	**271.0**	**265.6**	**262.1**	**267.4**	**265.0**	**245.9**
Durable goods	**78.6**	**73.7**	**74.7**	**74.1**	**71.5**	**74.8**	**74.6**	**68.0**
Military equipment	72.6	67.5	68.3	67.9	65.7	68.2	68.1	62.7
Aircraft	24.9	20.2	23.1	20.9	20.7	20.0	19.3	17.1
Missiles	16.8	17.3	17.1	16.6	16.4	17.7	18.5	16.3
Ships	10.3	9.6	10.1	9.6	9.6	9.6	9.8	9.7
Vehicles	4.3	4.0	3.3	3.8	3.7	4.5	4.1	3.5
Electronic equipment	6.3	6.0	5.8	6.0	5.7	6.3	6.1	5.8
Other	9.9	10.3	8.9	10.9	9.7	10.1	10.3	10.3
Other durable goods	6.0	6.3	6.4	6.3	5.8	6.6	6.4	5.3
Nondurable goods	**10.4**	**10.2**	**10.8**	**9.7**	**11.0**	**10.3**	**9.7**	**7.9**
Petroleum products	3.7	3.1	3.8	3.7	3.2	3.1	2.4	2.7
Ammunition	3.7	4.1	4.0	2.9	5.0	4.1	4.3	3.0
Other nondurable goods	3.0	3.0	3.0	3.1	2.8	3.1	2.9	2.2
Services	**189.6**	**176.3**	**181.1**	**177.2**	**174.5**	**177.5**	**176.0**	**165.7**
Compensation of employees	108.6	102.3	104.6	103.5	102.5	101.8	101.3	100.2
Military	72.9	66.4	69.0	67.8	66.6	65.9	65.4	64.4
Civilian	35.7	35.9	35.6	35.7	35.9	35.9	35.9	35.8
Other services	81.0	74.0	76.6	73.7	72.0	75.7	74.7	65.5
Contractual research and development	23.4	20.7	21.7	19.9	20.3	21.1	21.4	18.8
Installation support[1]	20.3	20.9	19.9	21.3	20.2	21.6	20.3	18.7
Weapons support[2]	9.8	10.2	10.4	9.8	10.2	10.5	10.2	8.6
Personnel support[3]	10.3	9.0	8.9	8.8	8.9	9.1	9.1	8.1
Transportation of material	10.3	6.7	7.7	6.9	6.1	6.8	6.9	5.9
Travel of persons	7.5	7.1	8.4	7.4	6.7	7.3	7.2	6.0
Other	−.6	−.4	−.4	−.3	−.3	−.6	−.4	−.6
Structures	**4.2**	**4.8**	**4.3**	**4.5**	**5.1**	**4.8**	**4.8**	**4.3**
Military facilities	2.3	3.0	2.4	2.8	3.2	3.0	3.2	2.5
Other	1.9	1.8	1.8	1.7	1.9	1.8	1.6	1.7

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.
2. Includes depot maintenance and contractual services for weapons systems, other than research and development.
3. Includes compensation of foreign personnel, consulting, training, and education.

Table 4.1.—Foreign Transactions in the National Income and Product Accounts

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Receipts from rest of the world	**741.7**	**765.1**	**756.0**	**761.0**	**756.7**	**767.9**	**775.0**	**785.3**
Exports of goods and services	598.2	636.3	622.9	628.1	625.4	639.0	652.7	649.7
Merchandise[1]	423.1	444.8	437.7	437.3	435.2	446.7	460.0	451.6
Durable	282.0	298.7	293.3	293.2	292.8	298.3	310.6	306.6
Nondurable	141.0	146.1	144.3	144.1	142.4	148.3	149.4	145.0
Services[1]	175.1	191.5	185.3	190.8	190.2	192.4	192.7	198.1
Receipts of factor income[2]	143.5	128.8	133.1	132.9	131.3	128.8	122.3	135.6
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Payments to rest of the world	**741.7**	**765.1**	**756.0**	**761.0**	**756.7**	**767.9**	**775.0**	**785.3**
Imports of goods and services	620.0	666.7	638.9	636.2	662.5	675.0	693.2	700.5
Merchandise[1]	499.9	544.1	516.2	513.1	537.0	559.7	566.8	571.6
Durable	315.3	345.8	327.5	330.2	339.1	352.9	361.0	369.8
Nondurable	184.6	198.3	188.7	182.9	197.9	206.7	205.8	201.8
Services[1]	120.1	122.6	122.7	123.1	125.5	115.3	126.4	128.9
Payments of factor income[3]	126.0	117.6	122.3	113.3	124.3	115.3	117.3	115.6
Transfer payments (net)	−13.3	30.8	16.2	27.4	29.3	27.1	39.2	30.0
From persons (net)	9.7	10.3	9.7	10.2	10.4	10.0	10.4	10.7
From government (net)	−28.3	15.3	1.3	12.0	13.6	12.0	23.9	14.6
From business	5.3	5.2	5.3	5.3	5.3	5.1	5.0	4.7
Net foreign investment	9.0	−49.9	−21.5	−16.0	−59.4	−49.6	−74.7	−60.8

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services.
2. Consists largely of receipts by U.S. residents of interest and dividends and reinvested earnings of foreign affiliates of U.S. corporations.
3. Consists largely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.

Table 4.2.—Exports and Imports of Goods and Services and Receipts and Payments of Factor Income in Constant Dollars

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Exports of goods and services	**539.4**	**573.2**	**561.4**	**565.4**	**563.4**	**575.9**	**588.3**	**584.5**
Merchandise[1]	392.5	417.6	407.3	408.1	408.0	420.4	434.1	427.1
Durable	266.4	284.7	277.0	276.1	278.4	285.8	298.5	295.0
Nondurable	126.1	132.9	130.3	131.9	129.6	134.6	135.6	132.2
Services[1]	146.9	155.6	154.0	157.3	155.4	155.5	154.2	157.3
Receipts of factor income[2]	**120.8**	**105.4**	**110.8**	**109.7**	**107.6**	**105.0**	**99.2**	**109.0**
Imports of goods and services	**561.2**	**615.0**	**581.8**	**586.8**	**607.3**	**628.6**	**637.3**	**655.6**
Merchandise[1]	463.5	514.3	482.2	488.0	507.8	526.4	535.1	550.5
Durable	296.7	334.2	311.0	316.3	327.0	342.1	351.5	363.5
Nondurable	166.8	180.1	171.3	171.8	180.8	184.3	183.6	187.0
Services[1]	97.7	100.7	99.6	98.8	99.5	102.2	102.2	105.1
Payments of factor income[3]	**105.4**	**95.2**	**101.0**	**92.7**	**101.0**	**93.0**	**94.1**	**91.8**

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services.
2. Consists largely of receipts by U.S. residents of interest and dividends and reinvested earnings of foreign affiliates of U.S. corporations.
3. Consists largely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.

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

[Billions of dollars]

Exports of merchandise	**423.1**	**444.8**	**437.7**	**437.3**	**435.2**	**446.7**	**460.0**	**451.6**
Foods, feeds, and beverages	35.7	40.6	38.6	40.2	37.8	42.3	42.2	41.2
Industrial supplies and materials	106.4	105.3	104.9	104.2	104.8	106.6	105.5	103.7
Durable goods	37.2	36.8	36.4	36.1	35.7	38.0	37.4	37.5
Nondurable goods	69.2	68.4	68.5	68.1	69.1	68.6	68.0	66.2
Capital goods, except automotive	167.0	176.8	176.3	176.4	173.9	173.7	183.3	179.2
Civilian aircraft, engines, and parts	36.4	37.9	40.8	42.6	37.7	33.3	37.8	33.8
Computers, peripherals, and parts	27.3	28.7	27.9	27.4	28.6	28.9	30.1	28.9
Other	103.3	110.2	107.6	106.4	107.6	111.5	115.4	116.5
Automotive vehicles, engines, and parts	40.0	47.2	41.7	42.9	46.2	49.0	50.7	51.1
Consumer goods, except automotive	45.9	50.4	48.2	47.9	48.5	51.3	53.8	52.0
Durable goods	23.8	25.6	24.9	24.9	25.0	25.7	26.9	26.6
Nondurable goods	22.2	24.8	23.2	23.0	23.6	25.6	26.9	25.4
Other	27.9	24.5	28.1	25.6	24.0	23.7	24.5	24.4
Durable goods	13.9	12.2	14.0	12.8	12.0	11.9	12.3	12.2
Nondurable goods	13.9	12.2	14.0	12.8	12.0	11.9	12.3	12.2
Imports of merchandise	**499.9**	**544.1**	**516.2**	**513.1**	**537.0**	**559.7**	**566.8**	**571.6**
Foods, feeds, and beverages	26.5	28.0	26.4	26.8	29.1	28.3	27.7	27.5
Industrial supplies and materials, except petroleum and products	75.6	82.3	78.0	80.9	81.4	82.4	84.5	86.5
Durable goods	36.3	39.7	37.0	39.6	38.9	39.4	40.8	42.0
Nondurable goods	39.2	42.6	41.0	41.3	42.5	42.9	43.6	44.5
Petroleum and products	51.2	51.0	48.8	41.5	51.7	56.6	54.3	50.4
Capital goods, except automotive	120.7	134.0	122.1	125.1	131.4	138.0	141.4	142.3
Civilian aircraft, engines, and parts	11.7	12.7	11.5	12.1	13.5	12.3	13.1	10.7
Computers, peripherals, and parts	26.1	31.6	26.8	27.7	30.7	33.8	34.2	35.5
Other	82.9	89.6	83.8	85.4	87.2	91.9	94.1	96.1
Automotive vehicles, engines, and parts	84.9	90.8	88.6	87.8	89.5	91.2	94.6	99.6
Consumer goods, except automotive	108.0	122.8	118.7	116.2	119.2	128.6	127.1	129.2
Durable goods	56.8	63.7	63.0	60.2	62.0	67.0	65.6	67.8
Nondurable goods	51.2	59.1	55.7	56.0	57.3	61.6	61.5	61.3
Other	33.0	35.4	33.6	34.9	34.7	34.8	37.3	36.0
Durable goods	16.5	17.7	16.8	17.4	17.4	17.4	18.6	18.0
Nondurable goods	16.5	17.7	16.8	17.4	17.4	17.4	18.6	18.0
Addenda:								
Exports of agricultural products[1]	40.1	44.4	43.2	43.3	41.9	46.3	46.1	44.1
Exports of nonagricultural products	382.9	400.4	394.5	394.0	393.3	400.3	413.8	407.5
Imports of nonpetroleum products	448.7	493.1	467.4	471.6	485.3	503.1	512.5	521.2

1. Includes parts of line 2, 5, and line 13.

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

[Billions of 1987 dollars]

Exports of merchandise	**392.5**	**417.6**	**407.3**	**408.1**	**408.0**	**420.4**	**434.1**	**427.1**
Foods, feeds, and beverages	31.3	36.0	33.4	35.1	33.0	38.1	37.9	36.7
Industrial supplies and materials	95.5	96.7	96.4	97.5	96.7	96.6	95.9	94.2
Durable goods	32.4	31.5	31.9	31.7	30.7	32.1	31.5	30.7
Nondurable goods	63.1	65.2	64.5	65.8	66.0	64.5	64.4	63.5
Capital goods, except automotive	163.7	178.1	172.5	173.1	174.0	177.1	188.1	185.4
Civilian aircraft, engines, and parts	30.9	31.3	34.2	35.5	31.4	27.4	31.0	27.7
Computers, peripherals, and parts	40.6	50.1	43.9	44.1	48.3	52.1	56.0	55.6
Other	92.2	96.6	94.4	93.5	94.4	97.6	101.0	102.1
Automotive vehicles, engines, and parts	36.3	42.0	37.5	38.4	41.1	43.5	44.8	45.0
Consumer goods, except automotive	40.9	43.3	42.7	41.3	41.9	44.1	45.8	44.3
Durable goods	21.6	22.4	22.7	21.6	21.9	22.6	23.3	23.1
Nondurable goods	19.2	20.9	20.0	19.7	20.0	21.5	22.5	21.2
Other	24.8	21.6	24.9	22.8	21.2	20.9	21.6	21.4
Durable goods	12.4	10.8	12.4	11.4	10.6	10.5	10.8	10.7
Nondurable goods	12.4	10.8	12.4	11.4	10.6	10.5	10.8	10.7
Imports of merchandise	**463.5**	**514.3**	**482.2**	**488.0**	**507.8**	**526.4**	**535.1**	**550.5**
Foods, feeds, and beverages	24.5	26.1	24.5	24.9	27.2	26.4	25.8	26.4
Industrial supplies and materials, except petroleum and products	65.5	71.8	69.1	71.4	70.8	71.4	73.5	75.2
Durable goods	31.3	34.0	32.5	34.7	32.7	33.3	35.2	35.5
Nondurable goods	34.2	37.8	36.6	36.7	38.1	38.1	38.3	39.6
Petroleum and products	48.6	50.6	46.5	46.7	50.9	52.5	52.1	52.9
Capital goods, except automotive	124.4	150.5	129.3	135.6	146.9	157.0	162.5	167.9
Civilian aircraft, engines, and parts	10.0	10.5	9.6	10.0	11.2	10.1	10.7	8.7
Computers, peripherals, and parts	41.1	59.6	45.7	48.6	56.2	65.2	68.1	73.1
Other	73.4	80.4	74.0	77.0	79.4	81.7	83.6	86.1
Automotive vehicles, engines, and parts	75.7	78.3	78.3	76.4	77.7	78.4	80.9	85.4
Consumer goods, except automotive	95.4	106.0	104.6	102.2	103.5	110.2	108.0	111.1
Durable goods	50.6	55.8	55.9	54.1	54.3	58.2	56.7	58.8
Nondurable goods	44.8	50.1	48.7	48.0	49.2	52.1	51.2	52.3
Other	29.3	31.1	29.8	30.9	30.7	30.4	32.4	31.6
Durable goods	14.6	15.5	14.9	15.4	15.3	15.2	16.2	15.8
Nondurable goods	14.6	15.5	14.9	15.4	15.3	15.2	16.2	15.8
Addenda:								
Exports of agricultural products[1]	35.5	40.0	38.1	38.7	37.6	42.2	41.6	39.3
Exports of nonagricultural products	357.0	377.6	369.2	369.4	370.4	378.2	392.4	387.8
Imports of nonpetroleum products	414.8	463.8	435.7	441.3	456.8	473.9	483.0	497.6

1.Includes parts of line 2, 5, and line 13.

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross saving	**708.2**	**686.3**	**698.2**	**677.5**	**682.9**	**696.9**	**687.9**	**736.5**
Gross private saving	**901.5**	**968.8**	**934.8**	**950.1**	**968.1**	**992.1**	**965.0**	**999.0**
Personal saving	199.6	212.6	219.4	214.6	232.3	203.3	200.4	219.0
Undistributed corporate profits with inventory valuation and capital consumption adjustments	75.8	104.3	78.3	104.0	97.7	91.2	124.1	125.2
Undistributed profits	64.2	82.1	63.4	86.2	86.1	71.1	85.0	93.6
Inventory valuation adjustment	3.1	−7.4	.7	−5.4	−15.5	−9.7	1.0	−9.3
Capital consumption adjustment	8.4	29.5	14.1	23.3	27.0	29.7	38.1	40.8
Corporate consumption of fixed capital	383.0	394.8	386.3	386.1	391.2	407.2	394.7	399.8
Noncorporate consumption of fixed capital	243.1	258.6	250.7	245.3	247.0	290.4	251.8	261.1
Wage accruals less disbursements	0	−1.5	0	0	0	0	−6.0	−6.0
Government surplus or deficit (−), national income and product accounts	**−193.3**	**−282.5**	**−236.6**	**−272.6**	**−285.2**	**−295.2**	**−277.2**	**−262.5**
Federal	−210.4	−298.0	−258.7	−289.2	−302.9	−304.4	−295.5	−273.5
State and local	17.1	15.5	22.0	16.6	17.7	9.2	18.3	11.0
Capital grants received by the United States (net)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Gross investment	**730.1**	**720.4**	**714.6**	**706.5**	**713.8**	**732.0**	**729.5**	**783.3**
Gross private domestic investment	721.1	770.4	736.1	722.4	773.2	781.6	804.3	844.1
Net foreign investment	9.0	−49.9	−21.5	−16.0	−59.4	−49.6	−74.7	−60.8
Statistical discrepancy	**21.9**	**34.1**	**16.4**	**29.0**	**30.9**	**35.1**	**41.7**	**46.8**

Table 5.4.—Fixed Investment by Type

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Fixed investment	**731.3**	**766.0**	**726.9**	**738.2**	**765.1**	**766.6**	**794.0**	**805.1**
Nonresidential	**541.1**	**548.2**	**528.7**	**531.0**	**550.3**	**549.6**	**562.1**	**571.0**
Structures	**180.1**	**168.4**	**169.7**	**170.1**	**170.3**	**166.1**	**167.0**	**167.1**
Nonresidential buildings, including farm	127.4	111.7	116.8	115.8	114.4	108.1	108.5	108.8
Utilities	28.6	31.0	29.0	30.5	30.7	31.1	31.7	33.1
Mining exploration, shafts, and wells	15.3	13.9	14.5	13.5	13.4	13.6	14.9	13.5
Other structures	8.8	11.8	9.4	10.3	11.8	13.3	11.9	11.7
Producers' durable equipment	**360.9**	**379.9**	**358.9**	**360.8**	**380.0**	**383.5**	**395.1**	**403.9**
Information processing and related equipment	123.6	135.6	127.4	129.9	131.4	139.3	142.0	144.0
Computers and peripheral equipment[1]	34.2	40.0	36.1	37.6	39.6	41.4	41.6	47.7
Other	89.4	95.6	91.2	92.3	91.7	97.9	100.4	96.3
Industrial equipment	81.3	80.8	79.6	78.3	79.0	80.8	85.1	86.0
Transportation and related equipment	85.1	91.8	82.6	82.3	98.3	91.2	95.3	98.0
Other	71.0	71.7	69.3	70.4	71.3	72.2	72.8	76.0
Residential	**190.3**	**217.7**	**198.2**	**207.2**	**214.8**	**217.0**	**231.9**	**234.1**
Structures	**183.7**	**210.7**	**191.7**	**200.3**	**207.9**	**209.9**	**224.7**	**226.9**
Single family	95.4	117.9	104.8	111.7	115.1	117.4	127.2	131.8
Multifamily	15.1	12.9	13.8	12.9	14.2	12.8	11.6	10.2
Other structures	73.1	80.0	73.0	75.8	78.6	79.7	85.9	84.9
Producers' durable equipment	**6.6**	**7.0**	**6.5**	**6.9**	**6.9**	**7.1**	**7.2**	**7.2**

1. Includes new computers and peripheral equipment only.

Table 5.5.—Fixed Investment by Type in Constant Dollars

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Fixed investment	**670.4**	**707.6**	**669.3**	**681.4**	**705.9**	**710.0**	**733.3**	**747.6**
Nonresidential	**500.2**	**515.0**	**492.1**	**495.8**	**514.7**	**518.7**	**530.9**	**545.4**
Structures	**157.6**	**146.8**	**148.4**	**149.4**	**149.1**	**144.7**	**144.0**	**143.4**
Nonresidential buildings, including farm	113.0	98.6	103.6	103.0	101.4	95.2	94.8	94.3
Utilities	25.0	26.8	25.2	26.5	26.5	26.8	27.2	28.1
Mining exploration, shafts, and wells	11.7	10.7	11.1	10.5	10.4	10.6	11.5	10.5
Other structures	7.9	10.7	8.5	9.4	10.7	12.0	10.5	10.5
Producers' durable equipment	**342.6**	**368.2**	**343.7**	**346.4**	**365.6**	**374.0**	**386.9**	**402.0**
Information processing and related equipment	136.1	160.3	143.8	148.2	153.8	167.1	172.0	182.2
Computers and peripheral equipment[1]	51.4	70.8	57.6	61.5	67.9	75.5	78.5	92.9
Other	84.7	89.4	86.2	86.8	85.9	91.6	93.5	89.3
Industrial equipment	68.9	67.2	67.0	65.7	65.9	66.5	70.6	71.5
Transportation and related equipment	75.0	78.8	72.3	71.2	84.1	78.2	81.9	83.2
Other	62.5	61.9	60.6	61.2	61.8	62.1	62.5	65.1
Residential	**170.2**	**192.6**	**177.3**	**185.6**	**191.2**	**191.3**	**202.3**	**202.2**
Structures	**163.9**	**185.9**	**171.0**	**179.0**	**184.6**	**184.6**	**195.4**	**195.3**
Single family	85.5	104.5	93.9	100.6	102.9	103.7	110.9	113.7
Multifamily	13.6	11.5	12.4	11.6	12.7	11.3	10.2	8.9
Other structures	64.8	69.9	64.7	66.8	69.0	69.6	74.4	72.7
Producers' durable equipment	**6.4**	**6.7**	**6.3**	**6.6**	**6.6**	**6.7**	**6.9**	**6.9**

1. Includes new computers and peripheral equipment only.

Table 5.10.—Change in Business Inventories by Industry

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Change in business inventories	**-10.2**	**4.4**	**9.2**	**-15.8**	**8.1**	**15.0**	**10.3**	**39.0**
Farm	0	2.2	-5.3	-2.4	1.7	5.3	4.1	2.3
Nonfarm	-10.3	2.2	14.5	-13.3	6.4	9.7	6.2	36.7
Change in book value	-14.0	12.7	16.3	-5.6	28.8	22.9	4.6	51.0
Inventory valuation adjustment	3.8	-10.5	-1.8	-7.8	-22.4	-13.2	1.6	-14.3
Manufacturing	-7.5	-7.8	-12.5	-10.1	-7.7	3.4	-16.7	.1
Durable goods	-11.3	-12.6	-16.3	-15.1	-9.3	-5.8	-20.0	-2.4
Nondurable goods	3.8	4.8	3.9	5.0	1.6	9.3	3.3	2.5
Wholesale trade	.9	.9	15.5	-6.7	3.8	-3.0	9.6	1.5
Durable goods	-1.5	.4	9.4	-10.1	5.7	2.8	3.4	-2.3
Nondurable goods	2.4	.5	6.1	3.3	-1.9	-5.8	6.3	3.8
Merchant wholesalers	1.8	.9	17.4	-6.1	2.5	-4.2	11.2	-1.2
Durable goods	-1.4	.8	10.5	-9.5	5.9	1.3	5.4	-3.6
Nondurable goods	3.1	.1	7.0	3.4	-3.4	-5.5	5.8	2.4
Nonmerchant wholesalers	-.8	.1	-2.0	-.7	1.3	1.2	-1.6	2.7
Durable goods	-.1	-.4	-1.1	-.6	-.2	1.5	-2.1	1.3
Nondurable goods	-.7	.4	-.9	-.1	1.5	-.2	.5	1.5
Retail trade	2.2	9.3	14.3	.2	12.9	11.0	13.3	27.6
Durable goods	-1.7	9.1	.9	7.3	11.1	7.7	10.2	21.0
Automotive	-1.4	3.9	-.9	5.4	6.1	1.8	2.4	17.3
Other	-.4	5.2	1.8	1.9	5.0	5.9	7.8	3.7
Nondurable goods	3.9	.2	13.4	-7.1	1.8	3.3	3.0	6.6
Other	-5.9	-.2	-2.8	3.4	-2.6	-1.7	-.1	7.4
Durable goods	-4.7	-.5	-2.0	-1.4	2.0	-1.9	-.5	2.4
Nondurable goods	-1.1	.2	-.8	4.8	-4.5	.2	.4	5.0

Table 5.11.—Change in Business Inventories by Industry in Constant Dollars

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Change in business inventories	**-9.3**	**5.0**	**7.5**	**-12.6**	**7.8**	**15.0**	**9.8**	**36.8**
Farm	.3	2.4	-4.2	-1.9	1.8	5.3	4.2	3.0
Nonfarm	-9.6	2.6	11.8	-10.7	6.0	9.6	5.6	33.8
Manufacturing	-6.9	-6.5	-11.3	-8.7	-6.5	3.9	-14.5	1.4
Durable goods	-10.3	-10.9	-14.8	-13.5	-8.0	-4.4	-17.7	-1.3
Nondurable goods	3.4	4.5	3.5	4.8	1.5	8.3	3.2	2.7
Wholesale trade	.9	.8	13.3	-5.6	3.2	-2.3	8.0	1.9
Durable goods	-1.3	.4	8.4	-9.0	5.0	2.8	2.8	-1.7
Nondurable goods	2.2	.4	5.0	3.4	-1.8	-5.1	5.2	3.6
Merchant wholesalers	1.5	.8	15.2	-4.9	2.1	-3.5	9.6	-.6
Durable goods	-1.2	.8	9.5	-8.4	5.1	1.5	4.8	-2.9
Nondurable goods	2.7	.1	5.7	3.5	-3.1	-5.0	4.8	2.3
Nonmerchant wholesalers	-.6	0	-1.8	-.7	1.1	1.2	-1.6	2.6
Durable goods	-.1	-.4	-1.1	-.5	-.2	1.3	-2.0	1.2
Nondurable goods	-.5	.4	-.7	-.1	1.3	-.2	.4	1.3
Retail trade	1.7	8.5	12.3	.5	11.8	9.7	12.0	23.9
Durable goods	-1.6	8.0	.8	6.5	9.9	6.7	9.1	18.1
Automotive	-1.3	3.5	-.9	4.8	5.5	1.6	2.1	15.1
Other	-.3	4.5	1.6	1.7	4.4	5.1	7.0	3.0
Nondurable goods	3.3	.5	11.5	-6.0	1.9	3.0	3.0	5.8
Other	-5.3	-.2	-2.6	3.2	-2.5	-1.6	.2	6.5
Durable goods	-4.3	-.4	-1.8	-1.3	1.7	-1.7	-.4	2.0
Nondurable goods	-1.0	.2	-.8	4.4	-4.2	.1	.6	4.5

Table 5.12.—Inventories and Final Sales of Domestic Business by Industry

[Billions of dollars]

	Seasonally adjusted quarterly totals					
	1991	1992				1993
	IV	I	II	III	IV	I
Inventories[1]	**1,082.1**	**1,085.1**	**1,090.9**	**1,098.5**	**1,097.0**	**1,117.7**
Farm	90.5	93.0	91.4	92.4	93.3	96.6
Nonfarm	991.6	992.1	999.4	1,006.1	1,003.7	1,021.2
Durable goods	568.5	568.3	572.0	573.7	572.6	583.3
Nondurable goods	423.1	423.8	427.5	432.4	431.1	437.9
Manufacturing	406.7	404.0	403.1	405.2	397.3	398.6
Durable goods	259.4	256.4	253.9	252.7	245.9	246.2
Nondurable goods	147.3	147.6	149.1	152.5	151.4	152.4
Wholesale trade	235.5	236.0	238.3	238.7	240.4	243.0
Durable goods	149.6	148.7	150.7	152.0	153.2	154.1
Nondurable goods	85.9	87.3	87.6	86.7	87.2	88.9
Merchant wholesalers	208.8	209.8	211.7	211.6	214.5	215.7
Durable goods	133.0	132.4	134.4	135.3	137.1	137.4
Nondurable goods	75.9	77.4	77.3	76.3	77.4	78.3
Nonmerchant wholesalers	26.7	26.2	26.6	27.1	25.9	27.3
Durable goods	16.6	16.4	16.3	16.7	16.1	16.7
Nondurable goods	10.1	9.8	10.3	10.4	9.8	10.6
Retail trade	255.8	257.4	263.3	267.0	271.2	281.4
Durable goods	121.5	124.9	128.6	130.7	134.8	142.1
Automotive	63.1	65.0	67.4	67.6	69.3	74.7
Other	58.4	59.8	61.1	63.0	65.5	67.4
Nondurable goods	134.3	132.5	134.7	136.3	136.3	139.3
Other	93.6	94.7	94.8	95.3	94.8	98.1
Final sales of domestic business[2]	**404.8**	**412.8**	**415.0**	**420.2**	**428.3**	**430.1**
Final sales of goods and structures of domestic business[2]	**221.2**	**226.1**	**226.7**	**228.8**	**234.7**	**234.2**
Ratio of inventories to final sales of domestic business						
Inventories to final sales	2.67	2.63	2.63	2.61	2.56	2.60
Nonfarm inventories to final sales	2.45	2.40	2.41	2.39	2.34	2.37
Nonfarm inventories to final sales of goods and structures	4.48	4.39	4.41	4.40	4.28	4.36

1. Inventories are as of the end of the quarter.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and general government and includes a small amount of final sales by farm.

Table 5.13.—Inventories and Final Sales of Domestic Business by Industry in Constant Dollars

[Billions of 1987 dollars]

	Seasonally adjusted quarterly totals					
	1991	1992				1993
	IV	I	II	III	IV	I
Inventories[1]	**978.3**	**975.2**	**977.1**	**980.9**	**983.3**	**992.5**
Farm	84.3	83.8	84.3	85.6	86.7	87.4
Nonfarm	894.0	891.4	892.9	895.3	896.7	905.1
Durable goods	518.6	514.2	516.4	517.2	515.7	519.9
Nondurable goods	375.5	377.1	376.5	378.0	381.0	385.2
Manufacturing	370.7	368.5	366.9	367.9	364.2	364.6
Durable goods	239.0	235.6	233.6	232.5	228.1	227.8
Nondurable goods	131.7	132.9	133.3	135.4	136.2	136.8
Wholesale trade	207.9	206.5	207.3	206.8	208.7	209.2
Durable goods	133.1	130.9	132.1	132.8	133.5	133.1
Nondurable goods	74.8	75.7	75.2	73.9	75.2	76.1
Merchant wholesalers	184.0	182.8	183.3	182.4	184.8	184.7
Durable goods	118.1	116.0	117.3	117.6	118.8	118.1
Nondurable goods	65.9	66.8	66.1	64.8	66.0	66.6
Nonmerchant wholesalers	23.9	23.7	24.0	24.3	23.9	24.5
Durable goods	15.0	14.9	14.8	15.2	14.7	15.0
Nondurable goods	8.9	8.8	9.2	9.1	9.2	9.6
Retail trade	229.0	229.2	232.1	234.5	237.5	243.5
Durable goods	111.8	113.4	115.9	117.6	119.8	124.3
Automotive	59.2	60.4	61.8	62.2	62.7	66.5
Other	52.5	53.0	54.1	55.3	57.1	57.8
Nondurable goods	117.3	115.8	116.2	117.0	117.7	119.2
Other	86.3	87.1	86.5	86.1	86.1	87.8
Final sales of domestic business[2]	**343.0**	**347.4**	**347.2**	**349.8**	**354.8**	**353.5**
Final sales of goods and structures of domestic business[2]	**193.5**	**197.2**	**196.9**	**198.4**	**203.1**	**201.1**
Ratio of inventories to final sales of domestic business						
Inventories to final sales	2.85	2.81	2.81	2.80	2.77	2.81
Nonfarm inventories to final sales	2.61	2.57	2.57	2.56	2.53	2.56
Nonfarm inventories to final sales of goods and structures	4.62	4.52	4.54	4.51	4.42	4.50

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 GDP is stated at annual rates.

2. Quarterly totals at monthly rates. Final sales of domestic business equals final sales of domestic product less gross product of households and institutions and general government and includes a small amount of final sales by farm.

Table 6.1C.—National Income Without Capital Consumption Adjustment by Industry

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
National income without capital consumption adjustment	**4,587.5**	**4,769.0**	**4,639.5**	**4,704.5**	**4,737.4**	**4,765.9**	**4,868.2**	**4,935.7**
Domestic industries	**4,570.1**	**4,757.7**	**4,628.8**	**4,684.9**	**4,730.4**	**4,752.4**	**4,863.2**	**4,915.7**
Private industries	**3,870.6**	**4,029.3**	**3,923.7**	**3,967.0**	**4,004.1**	**4,021.7**	**4,124.5**	**4,165.4**
Agriculture, forestry, and fisheries	90.9	95.6	92.9	95.4	94.8	88.3	104.1	.....
Mining	36.7	36.1	35.5	36.0	34.9	35.5	38.2	.....
Construction	210.1	219.6	213.6	214.4	218.9	220.1	225.1	.....
Manufacturing	841.0	873.8	848.6	850.7	874.6	877.0	892.9	.....
Durable goods	464.2	480.5	467.8	467.5	477.3	481.6	495.4	.....
Nondurable goods	376.7	393.4	380.9	383.3	397.3	395.4	397.5	.....
Transportation and public utilities	335.2	337.2	336.4	339.2	333.3	334.6	341.9	.....
Transportation	140.8	144.8	142.6	145.4	140.6	143.7	149.4	.....
Communications	95.3	98.6	95.2	97.9	97.3	97.9	101.1	.....
Electric, gas, and sanitary services	99.0	93.9	98.6	95.9	95.4	93.0	91.3	.....
Wholesale trade	266.0	272.9	265.8	264.9	270.2	273.1	283.4	.....
Retail trade	403.3	418.3	409.9	413.6	416.1	413.3	430.0	.....
Finance, insurance, and real estate	685.0	703.2	694.2	704.0	698.5	702.5	707.8	.....
Services	1,002.4	1,072.5	1,026.9	1,048.8	1,062.8	1,077.3	1,101.2	.....
Government	**699.4**	**728.4**	**705.0**	**717.8**	**726.2**	**730.7**	**738.7**	**750.3**
Rest of the world	**17.4**	**11.3**	**10.8**	**19.6**	**7.0**	**13.5**	**5.0**	**20.0**

Table 6.16C.—Corporate Profits by Industry

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Corporate profits with inventory valuation and capital consumption adjustments	**346.3**	**393.8**	**347.1**	**384.0**	**388.4**	**374.1**	**428.5**	**432.2**
Domestic industries	**279.8**	**329.8**	**284.2**	**315.3**	**327.4**	**309.0**	**367.4**	**356.3**
Financial	49.9	46.8	48.9	59.6	51.2	30.6	45.9	49.2
Nonfinancial	229.9	283.0	235.3	255.7	276.2	278.5	321.5	307.2
Rest of the world	**66.5**	**64.0**	**62.9**	**68.7**	**61.0**	**65.1**	**61.1**	**75.9**
Receipts from the rest of the world	62.5	66.4	59.1	67.1	67.1	68.4	63.1	79.7
Less: Payments to the rest of the world	−4.0	2.5	−3.8	−1.6	6.1	3.3	2.0	3.9
Corporate profits with inventory valuation adjustment	**337.8**	**364.2**	**333.1**	**360.7**	**361.4**	**344.4**	**390.4**	**391.4**
Domestic industries	**271.3**	**300.2**	**270.2**	**292.0**	**300.4**	**279.3**	**329.3**	**315.5**
Financial	60.9	56.8	59.7	70.1	61.3	40.3	55.3	58.8
Federal Reserve banks	20.2	17.8	19.8	18.8	18.5	17.2	16.8	16.6
Other	40.7	38.9	39.9	51.3	42.8	23.1	38.5	42.2
Nonfinancial	210.4	243.5	210.5	221.9	239.0	239.0	274.0	256.7
Manufacturing	89.3	113.8	87.5	97.5	115.2	118.0	124.5	.....
Durable goods	25.8	41.0	24.8	31.8	38.3	43.8	49.9	.....
Primary metal industries	1.1	.4	1.4	.8	1.1	.3	−.6	.....
Fabricated metal products	5.4	7.1	6.0	6.1	7.8	7.8	6.7	.....
Industrial machinery and equipment	8.9	9.4	9.2	8.6	9.5	9.3	10.0	.....
Electronic and other electric equipment	6.6	9.3	6.8	7.2	6.4	10.4	13.3	.....
Motor vehicles and equipment	−6.9	3.1	−4.9	1.8	4.5	1.9	4.4	.....
Other	10.8	11.7	6.2	7.4	9.0	14.0	16.1	.....
Nondurable goods	63.5	72.9	62.7	65.7	76.9	74.2	74.7	.....
Food and kindred products	16.6	16.6	14.6	15.2	19.5	17.1	14.4	.....
Chemicals and allied products	16.1	18.1	20.1	17.8	17.1	17.5	20.1	.....
Petroleum and coal products	7.7	9.4	5.1	8.2	11.1	10.1	8.3	.....
Other	23.1	28.7	22.9	24.5	29.2	29.4	31.8	.....
Transportation and public utilities	46.1	44.4	45.6	49.4	42.2	40.6	45.4	.....
Wholesale and retail trade	44.0	47.7	44.5	39.9	46.7	43.7	60.7	.....
Other	31.1	37.5	32.9	35.1	35.0	36.7	43.3	.....
Rest of the world	**66.5**	**64.0**	**62.9**	**68.7**	**61.0**	**65.1**	**61.1**	**75.9**

Table 7.1.—Fixed-Weighted and Alternative Quantity and Price Indexes for Gross Domestic Product

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product:								
Current dollars	125.1	131.1	126.7	128.6	130.0	131.7	134.0	135.4
Quantity indexes:								
Fixed 1987 weights	106.2	108.4	106.6	107.4	107.8	108.7	109.9	110.2
Chain-type annual weights	106.2	108.2	106.5	107.2	107.6	108.5	109.6	109.7
Benchmark-years weights	106.0	108.2	106.4	107.1	107.5	108.4	109.6	109.8
Price indexes:								
Fixed 1987 weights	118.1	121.6	119.3	120.3	121.2	121.9	122.9	124.2
Chain-type annual weights	117.8	121.1	119.0	120.0	120.8	121.4	122.3	123.6
Benchmark-years weights	117.9	121.3	119.1	120.2	121.0	121.6	122.6	123.9
Implicit price deflator	117.8	120.9	118.9	119.8	120.6	121.2	121.9	122.9
Personal consumption expenditures:								
Current dollars	127.4	134.2	129.2	131.8	132.9	134.6	137.4	138.9
Quantity indexes:								
Fixed 1987 weights	106.2	108.6	106.4	107.8	107.7	108.7	110.1	110.4
Chain-type annual weights	106.1	108.4	106.4	107.6	107.6	108.5	109.8	110.1
Benchmark-years weights	106.0	108.3	106.3	107.5	107.5	108.5	109.8	110.1
Price indexes:								
Fixed 1987 weights	120.4	124.3	121.8	122.9	123.9	124.7	125.7	126.7
Chain-type annual weights	120.1	123.9	121.5	122.5	123.6	124.3	125.3	126.3
Benchmark-years weights	120.2	124.1	121.6	122.6	123.7	124.5	125.4	126.5
Implicit price deflator	120.0	123.6	121.4	122.3	123.4	123.8	124.8	125.8
Durable goods:								
Current dollars	110.5	119.0	111.6	116.3	116.6	119.5	123.6	124.0
Quantity indexes:								
Fixed 1987 weights	102.7	108.8	103.1	107.1	106.5	108.9	112.5	112.7
Chain-type annual weights	102.1	107.8	102.3	106.2	105.6	108.0	111.4	111.3
Benchmark-years weights	102.1	108.0	102.4	106.3	105.8	108.1	111.6	111.7
Price indexes:								
Fixed 1987 weights	108.9	111.4	109.8	110.3	111.3	111.8	112.2	112.7
Chain-type annual weights	108.3	110.5	109.1	109.5	110.4	110.8	111.2	111.6
Benchmark-years weights	108.2	110.6	109.1	109.6	110.5	111.0	111.3	111.8
Implicit price deflator	107.6	109.4	108.3	108.6	109.4	109.7	109.8	110.0
Nondurable goods:								
Current dollars	123.8	127.7	123.8	126.0	126.4	127.9	130.4	130.7
Quantity indexes:								
Fixed 1987 weights	103.1	104.3	102.4	103.8	103.4	104.0	105.8	105.1
Chain-type annual weights	103.0	104.1	102.3	103.7	103.3	103.9	105.5	104.9
Benchmark-years weights	102.9	104.1	102.2	103.6	103.2	103.8	105.5	104.9
Price indexes:								
Fixed 1987 weights	120.5	123.0	121.3	121.8	122.7	123.5	124.0	125.1
Chain-type annual weights	120.2	122.7	121.0	121.6	122.4	123.2	123.7	124.7
Benchmark-years weights	120.3	122.8	121.1	121.6	122.5	123.2	123.8	124.9
Implicit price deflator	120.1	122.4	120.8	121.4	122.2	122.9	123.3	124.3
Services:								
Current dollars	133.8	142.0	136.9	139.2	141.0	142.5	145.2	147.6
Quantity indexes:								
Fixed 1987 weights	108.9	111.2	109.8	110.4	110.7	111.6	112.1	113.1
Chain-type annual weights	108.8	111.1	109.7	110.2	110.6	111.4	112.0	112.9
Benchmark-years weights	108.8	111.0	109.6	110.2	110.6	111.4	112.0	112.9
Price indexes:								
Fixed 1987 weights	123.1	128.2	125.1	126.6	127.7	128.7	130.0	131.2
Chain-type annual weights	122.9	127.9	124.8	126.3	127.5	128.4	129.6	130.9
Benchmark-years weights	123.0	128.0	124.9	126.4	127.5	128.5	129.7	131.0
Implicit price deflator	122.8	127.7	124.7	126.1	127.4	127.7	129.5	130.5
Gross private domestic investment:								
Current dollars	96.2	102.8	98.2	96.4	103.2	104.3	107.3	112.7
Quantity indexes:								
Fixed 1987 weights	88.2	95.1	90.3	89.3	95.2	96.8	99.2	104.7
Chain-type annual weights	87.5	93.2	89.3	87.7	93.6	94.6	97.0	101.7
Benchmark-years weights	87.6	93.9	89.5	88.2	94.1	95.4	97.8	102.8
Price indexes:								
Fixed 1987 weights	.....	.....	.....	.....	.....	.....	.....	.....
Chain-type annual weights	.....	.....	.....	.....	.....	.....	.....	.....
Benchmark-years weights	.....	.....	.....	.....	.....	.....	.....	.....
Implicit price deflator	.....	.....	.....	.....	.....	.....	.....	.....
Fixed investment:								
Current dollars	101.2	105.9	100.5	102.1	105.8	106.0	109.8	111.4
Quantity indexes:								
Fixed 1987 weights	92.7	97.9	92.6	94.2	97.6	98.2	101.4	103.4
Chain-type annual weights	91.8	95.7	91.2	92.6	95.7	95.8	98.9	100.1
Benchmark-years weights	92.0	96.5	91.6	93.2	96.4	96.7	99.9	101.5
Price indexes:								
Fixed 1987 weights	110.8	111.8	111.0	111.1	111.5	112.1	112.6	113.3
Chain-type annual weights	110.2	110.9	110.3	110.4	110.7	111.1	111.4	112.0
Benchmark-years weights	110.0	110.8	110.1	110.2	110.5	111.0	111.4	112.0
Implicit price deflator	109.1	108.2	108.6	108.3	108.4	108.0	108.3	107.7
Nonresidential:								
Current dollars	108.7	110.1	106.2	106.7	110.6	110.4	112.9	114.7
Quantity indexes:								
Fixed 1987 weights	100.5	103.5	98.9	99.6	103.4	104.2	106.7	109.6
Chain-type annual weights	99.2	100.5	96.9	97.3	100.8	100.8	103.1	104.9
Benchmark-years weights	99.5	101.6	97.5	98.1	101.7	102.1	104.4	106.8
Price indexes:								
Fixed 1987 weights	110.3	111.3	110.6	110.8	111.1	111.5	111.7	112.1
Chain-type annual weights	109.5	110.0	109.6	109.7	109.9	110.1	110.2	110.5
Benchmark-years weights	109.3	109.9	109.4	109.6	109.8	110.1	110.2	110.6
Implicit price deflator	108.2	106.5	107.4	107.1	106.9	106.0	105.9	104.7
Structures:								
Current dollars	105.1	98.3	99.1	99.3	99.4	97.0	97.5	97.5
Quantity indexes:								
Fixed 1987 weights	92.0	85.7	86.6	87.2	87.0	84.4	84.1	83.7
Chain-type annual weights	92.0	85.7	86.6	87.2	86.9	84.4	84.1	83.6
Benchmark-years weights	92.0	85.7	86.6	87.2	87.0	84.4	84.1	83.7
Price indexes:								
Fixed 1987 weights	114.4	114.9	114.4	114.0	114.4	115.0	116.0	116.7
Chain-type annual weights	114.3	114.8	114.4	113.9	114.3	114.9	115.9	116.6
Benchmark-years weights	114.3	114.8	114.4	114.0	114.4	115.0	115.9	116.7
Implicit price deflator	114.3	114.7	114.4	113.9	114.2	114.9	116.0	116.6
Producers' durable equipment:								
Current dollars	110.6	116.4	110.0	110.5	116.4	117.5	121.0	123.7
Quantity indexes:								
Fixed 1987 weights	104.9	112.8	105.3	106.1	112.0	114.6	118.5	123.2
Chain-type annual weights	103.2	108.7	102.6	102.9	108.4	109.8	113.6	116.7
Benchmark-years weights	103.5	110.1	103.4	103.9	109.6	111.6	115.4	119.2
Price indexes:								
Fixed 1987 weights	108.2	109.4	108.6	109.1	109.4	109.7	109.4	109.7
Chain-type annual weights	107.1	107.6	107.3	107.6	107.7	107.7	107.3	107.4
Benchmark-years weights	106.8	107.6	107.0	107.4	107.6	107.8	107.4	107.6
Implicit price deflator	105.4	103.2	104.5	104.2	103.9	102.5	102.1	100.5
Residential:								
Current dollars	84.5	96.7	88.0	92.0	95.4	96.3	103.0	103.9
Quantity indexes:								
Fixed 1987 weights	75.6	85.5	78.7	82.4	84.9	84.9	89.8	89.8
Chain-type annual weights	75.5	85.4	78.6	82.3	84.8	84.9	89.8	89.7
Benchmark-years weights	75.6	85.5	78.7	82.4	84.9	84.9	89.8	89.7
Price indexes:								
Fixed 1987 weights	111.8	113.1	112.0	111.7	112.4	113.5	114.7	115.9
Chain-type annual weights	111.9	113.1	112.0	111.8	112.5	113.5	114.7	115.9
Benchmark-years weights	111.8	113.1	111.9	111.7	112.4	113.5	114.7	115.8
Implicit price deflator	111.8	113.0	111.8	111.7	112.3	113.4	114.6	115.8
Exports of goods and services:								
Current dollars	164.4	174.8	171.2	172.6	171.8	175.6	179.3	178.5
Quantity indexes:								
Fixed 1987 weights	148.2	157.5	154.2	155.3	154.8	158.2	161.6	160.6
Chain-type annual weights	146.6	154.9	152.4	153.4	152.4	155.3	158.4	157.3
Benchmark-years weights	147.2	156.0	153.1	154.2	153.4	156.6	159.8	158.7
Price indexes:								
Fixed 1987 weights	112.4	113.7	112.8	112.9	113.5	114.0	114.3	114.8
Chain-type annual weights	112.1	113.1	112.3	112.5	113.0	113.4	113.6	114.0
Benchmark-years weights	111.7	112.8	111.9	112.1	112.6	113.1	113.3	113.7
Implicit price deflator	110.9	111.0	111.0	111.1	111.0	111.0	111.0	111.2
Imports of goods and services:								
Current dollars	122.3	131.5	126.0	125.5	130.7	133.1	136.7	138.2
Quantity indexes:								
Fixed 1987 weights	110.7	121.3	114.8	115.7	119.8	124.0	125.7	129.3
Chain-type annual weights	108.6	117.6	112.2	112.9	116.4	119.8	121.4	124.6
Benchmark-years weights	109.1	118.8	112.9	113.7	117.5	121.2	122.9	126.3
Price indexes:								
Fixed 1987 weights	113.7	114.6	113.9	113.0	114.4	115.9	115.2	113.8
Chain-type annual weights	112.6	113.0	112.4	111.6	112.8	114.2	113.5	112.1
Benchmark-years weights	112.1	112.8	112.1	111.2	112.5	114.0	113.3	111.9
Implicit price deflator	110.5	108.4	109.8	108.4	109.1	107.4	108.8	106.9

Table 7.1.—Fixed-Weighted and Alternative Quantity and Price Indexes for Gross Domestic Product—Continued

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Government purchases:								
Current dollars	123.7	126.5	123.7	125.1	125.8	127.5	127.4	126.6
Quantity indexes:								
Fixed 1987 weights	106.7	106.4	105.8	106.3	106.0	107.0	106.3	104.3
Chain-type annual weights	106.6	106.1	105.6	106.1	105.8	106.7	105.9	104.2
Benchmark-years weights	106.5	106.1	105.6	106.0	105.7	106.7	105.9	104.1
Price indexes:								
Fixed 1987 weights	116.5	119.8	117.6	118.5	119.5	120.2	121.2	122.5
Chain-type annual weights	116.1	119.2	117.1	118.0	118.9	119.5	120.4	121.7
Benchmark-years weights	116.2	119.4	117.2	118.1	119.1	119.7	120.6	122.0
Implicit price deflator	115.9	118.9	116.9	117.7	118.7	119.2	119.9	121.4
Federal:								
Current dollars	116.2	116.7	114.5	115.6	115.5	118.3	117.3	114.6
Quantity indexes:								
Fixed 1987 weights	100.9	97.6	98.2	97.5	96.8	98.6	97.4	92.8
Chain-type annual weights	100.5	97.2	97.8	97.2	96.5	98.2	96.8	92.6
Benchmark-years weights	100.3	97.0	97.7	97.0	96.3	98.0	96.7	92.4
Price indexes:								
Fixed 1987 weights	116.5	121.3	118.1	119.8	120.6	121.7	123.0	125.3
Chain-type annual weights	115.7	120.0	117.0	118.9	119.6	120.4	121.3	123.7
Benchmark-years weights	115.8	120.4	117.3	119.1	119.8	120.8	121.8	124.2
Implicit price deflator	115.2	119.6	116.6	118.6	119.3	120.0	120.4	123.5
National defense:								
Current dollars	110.9	108.1	107.8	107.4	106.7	109.4	108.9	104.2
Quantity indexes:								
Fixed 1987 weights	96.8	90.7	92.8	90.9	89.8	91.5	90.8	84.2
Chain-type annual weights	95.8	89.8	91.9	90.3	89.0	90.6	89.5	83.7
Benchmark-years weights	96.0	90.0	92.0	90.3	89.1	90.7	89.8	83.6
Price indexes:								
Fixed 1987 weights	116.5	121.7	118.3	120.0	120.9	122.1	123.6	126.0
Chain-type annual weights	115.7	120.4	117.3	119.0	119.8	120.9	121.8	124.3
Benchmark-years weights	115.5	120.4	117.2	118.8	119.7	120.8	122.0	124.5
Implicit price deflator	114.5	119.1	116.2	118.1	118.9	119.5	120.0	123.8
Nondefense:								
Current dollars	133.0	143.6	135.7	141.5	143.3	146.1	143.6	147.4
Quantity indexes:								
Fixed 1987 weights	113.6	119.1	115.4	118.1	119.1	120.7	118.3	119.8
Chain-type annual weights	115.2	120.4	116.6	119.1	120.4	122.2	119.8	120.9
Benchmark-years weights	113.9	119.2	115.5	118.1	119.2	121.0	118.6	119.9
Price indexes:								
Fixed 1987 weights	116.6	120.2	117.3	119.4	119.8	120.4	121.1	123.4
Chain-type annual weights	115.5	119.0	116.3	118.5	118.8	119.1	119.7	122.1
Benchmark-years weights	116.8	120.3	117.5	119.6	120.0	120.5	121.1	123.4
Implicit price deflator	117.1	120.6	117.6	119.8	120.3	121.0	121.4	123.0
State and local:								
Current dollars	129.5	134.1	130.8	132.5	133.8	134.7	135.3	135.9
Quantity indexes:								
Fixed 1987 weights	111.3	113.2	111.7	113.1	113.1	113.5	113.1	113.2
Chain-type annual weights	111.2	113.0	111.6	112.9	112.9	113.3	113.0	113.0
Benchmark-years weights	111.3	113.1	111.7	113.0	113.0	113.4	113.1	113.1
Price indexes:								
Fixed 1987 weights	116.4	118.7	117.2	117.4	118.5	119.0	119.8	120.3
Chain-type annual weights	116.4	118.7	117.2	117.4	118.6	119.0	119.8	120.3
Benchmark-years weights	116.4	118.6	117.1	117.4	118.5	118.9	119.7	120.3
Implicit price deflator	116.4	118.4	117.1	117.1	118.3	118.7	119.5	120.0

NOTE.—The quantity and price indexes in this table are calculated from weighted averages of the detailed output and prices used to prepare each aggregate and component. The fixed-weighted measures use as weights the composition of output in 1987. For the alternative indexes, the chain-type indexes with annual weights use weights for the preceding and current years, and the indexes with benchmark-years weights use weights of 1959, 1963, 1967, 1972, 1977, 1982, and 1987 and the most recent year. Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.2.—Fixed-Weighted and Alternative Quantity and Price Indexes for Gross Domestic Product, Final Sales, and Purchases

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product:								
Current dollars	125.1	131.1	126.7	128.6	130.0	131.7	134.0	135.4
Quantity indexes:								
Fixed 1987 weights	106.2	108.4	106.6	107.4	107.8	108.7	109.9	110.2
Chain-type annual weights	106.2	108.2	106.5	107.2	107.6	108.5	109.6	109.7
Benchmark-years weights	106.0	108.2	106.4	107.1	107.5	108.4	109.6	109.8
Price indexes:								
Fixed 1987 weights	118.1	121.6	119.3	120.3	121.2	121.9	122.9	124.2
Chain-type annual weights	117.8	121.1	119.0	120.0	120.8	121.4	122.3	123.6
Benchmark-years weights	117.9	121.3	119.1	120.2	121.0	121.6	122.6	123.9
Implicit price deflator	117.8	120.9	118.9	119.8	120.6	121.2	121.9	122.9
Final sales of domestic product[1]:								
Current dollars	126.0	131.7	127.3	129.7	130.6	132.1	134.5	135.3
Quantity indexes:								
Fixed 1987 weights	107.0	109.0	107.0	108.3	108.2	109.0	110.4	110.0
Chain-type annual weights	106.9	108.7	106.9	108.1	108.0	108.7	110.0	109.6
Benchmark-years weights	106.8	108.7	106.8	108.0	108.0	108.7	110.0	109.6
Price indexes:								
Fixed 1987 weights	118.2	121.6	119.4	120.4	121.3	121.9	123.0	124.2
Chain-type annual weights	117.8	121.2	119.0	120.0	120.9	121.5	122.4	123.6
Benchmark-years weights	118.0	121.4	119.2	120.2	121.0	121.6	122.6	123.9
Implicit price deflator	117.8	120.9	118.9	119.8	120.7	121.2	121.9	123.0
Gross domestic purchases[2]:								
Current dollars	121.7	127.7	123.2	124.9	126.8	128.4	130.7	132.4
Quantity indexes:								
Fixed 1987 weights	103.4	106.0	103.8	104.5	105.4	106.5	107.6	108.3
Chain-type annual weights	103.3	105.6	103.6	104.3	105.1	106.1	107.1	107.6
Benchmark-years weights	103.2	105.7	103.5	104.3	105.1	106.1	107.2	107.8
Price indexes:								
Fixed 1987 weights	118.1	121.4	119.3	120.1	121.1	121.8	122.7	123.8
Chain-type annual weights	117.8	121.1	118.9	119.8	120.7	121.4	122.2	123.3
Benchmark-years weights	117.9	121.2	119.0	119.9	120.8	121.6	122.4	123.5
Implicit price deflator	117.7	120.5	118.7	119.5	120.3	120.6	121.5	122.2
Final sales to domestic purchasers[3]:								
Current dollars	122.6	128.3	123.7	125.9	127.4	128.8	131.3	132.3
Quantity indexes:								
Fixed 1987 weights	104.2	106.5	104.2	105.4	105.8	106.8	108.0	108.2
Chain-type annual weights	104.0	106.1	104.0	105.1	105.5	106.3	107.4	107.5
Benchmark-years weights	104.0	106.1	103.9	105.1	105.5	106.4	107.6	107.7
Price indexes:								
Fixed 1987 weights	118.1	121.5	119.3	120.2	121.1	121.9	122.8	123.8
Chain-type annual weights	117.8	121.1	119.0	119.9	120.8	121.5	122.3	123.4
Benchmark-years weights	117.9	121.2	119.1	119.9	120.9	121.6	122.5	123.5
Implicit price deflator	117.7	120.5	118.7	119.5	120.3	120.7	121.5	122.3

1. Equals GDP less change in business inventories.

2. Equals GDP less net exports of goods and services or equals the sum of personal consumption expenditures, gross private domestic investment, and government purchases.

3. Equals gross domestic purchases less change in business inventories or equals the sum of personal consumption expenditures, gross private domestic fixed investment, and government purchases.

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

Table 7.3.—Fixed-Weighted and Alternative Quantity and Price Indexes for Gross National Product and Command-Basis Gross National Product

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross national product:								
Current dollars	125.3	131.2	126.8	128.9	130.0	131.9	133.9	135.7
Quantity indexes:								
Fixed 1987 weights	106.4	108.5	106.7	107.6	107.8	108.8	109.9	110.5
Chain-type annual weights	106.4	108.3	106.6	107.5	107.7	108.6	109.6	110.0
Benchmark-years weights	106.3	108.3	106.5	107.4	107.6	108.6	109.6	110.1
Price indexes:								
Fixed 1987 weights	118.1	121.5	119.3	120.3	121.2	121.8	122.8	124.1
Chain-type annual weights	117.8	121.1	119.0	120.0	120.8	121.4	122.3	123.6
Benchmark-years weights	117.9	121.3	119.1	120.1	121.0	121.6	122.6	123.8
Implicit price deflator	117.8	120.9	118.9	119.8	120.6	121.2	121.8	122.9
Less: Exports of goods and services and receipts of factor income:								
Current dollars	158.1	163.1	161.2	162.3	161.3	163.7	165.2	167.4
Quantity index, fixed 1987 weights	140.8	144.7	143.3	143.9	143.1	145.2	146.6	147.9
Plus: Command-basis exports of goods and services and receipts of factor income:								
Current dollars	164.4	174.8	171.2	172.6	171.8	175.6	179.3	178.5
Quantity index, fixed 1987 weights	141.3	147.8	144.6	147.1	145.3	149.5	149.2	153.4
Equals: Command-basis gross national product:								
Current dollars	125.3	131.2	126.8	128.9	130.0	131.9	133.9	135.7
Quantity index, fixed 1987 weights	106.5	108.9	106.8	107.9	108.0	109.3	110.2	111.0

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

Table 7.4.—Price Indexes for Personal Consumption Expenditures by Major Type of Product, Fixed 1987 Weights

[Index numbers, 1987=100]

Personal consumption expenditures	**120.4**	**124.3**	**121.8**	**122.9**	**123.9**	**124.7**	**125.7**	**126.7**
Durable goods	**108.9**	**111.4**	**109.8**	**110.3**	**111.3**	**111.8**	**112.2**	**112.7**
Motor vehicles and parts	108.8	112.0	109.9	110.0	111.6	112.8	113.6	114.2
Furniture and household equipment	103.0	103.9	102.9	103.8	104.1	103.8	104.1	103.8
Other	120.5	124.2	122.8	123.5	124.5	124.7	124.3	126.1
Nondurable goods	**120.5**	**123.0**	**121.3**	**121.8**	**122.7**	**123.5**	**124.0**	**125.1**
Food	120.1	122.1	120.6	121.3	121.7	122.3	123.0	123.9
Clothing and shoes	115.3	117.9	116.6	117.6	118.0	117.7	118.4	120.0
Gasoline and oil	123.8	123.3	122.1	120.0	122.8	125.3	125.1	126.7
Fuel oil and coal	121.2	117.2	121.3	114.2	115.8	120.1	118.7	117.7
Other	123.8	128.8	125.7	127.0	128.5	129.5	130.2	131.3
Services	**123.1**	**128.2**	**125.1**	**126.6**	**127.7**	**128.7**	**130.0**	**131.2**
Housing	120.2	124.1	121.7	123.0	123.7	124.3	125.4	126.6
Household operation	109.8	112.7	110.8	111.4	112.2	113.1	114.1	114.3
Electricity and gas	108.8	111.1	110.1	109.6	110.4	111.5	112.9	112.4
Other household operation	110.6	114.1	111.3	113.0	113.7	114.5	115.2	115.9
Transportation	121.9	128.1	124.3	127.3	126.4	127.2	131.5	135.1
Medical care	132.8	140.4	135.6	137.6	139.6	141.2	143.0	144.7
Other	123.7	128.5	125.6	126.9	128.4	129.1	129.6	130.4
Addenda:								
Price indexes for personal consumption expenditures:								
Chain-type annual weights	120.1	123.9	121.5	122.5	123.6	124.3	125.3	126.3
Benchmark-years weights	120.2	124.1	121.6	122.6	123.7	124.5	125.4	126.5

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

Table 7.6.—Price Indexes for Fixed Investment by Type, Fixed 1987 Weights

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Fixed investment	**110.8**	**111.8**	**111.0**	**111.1**	**111.5**	**112.1**	**112.6**	**113.3**
Nonresidential	**110.3**	**111.3**	**110.6**	**110.8**	**111.1**	**111.5**	**111.7**	**112.1**
Structures	**114.4**	**114.9**	**114.4**	**114.0**	**114.4**	**115.0**	**116.0**	**116.7**
Nonresidential buildings, including farm	112.8	113.3	112.8	112.4	112.8	113.6	114.6	115.5
Utilities	114.4	116.0	114.8	115.1	115.8	116.2	116.8	117.7
Mining exploration, shafts, and wells	130.5	129.1	130.2	129.7	128.9	128.0	129.7	129.4
Other structures	112.0	110.8	111.3	109.2	110.5	111.0	112.7	112.1
Producers' durable equipment	**108.2**	**109.4**	**108.6**	**109.1**	**109.4**	**109.7**	**109.4**	**109.7**
Information processing and related equipment	94.7	92.9	93.9	93.9	93.5	92.7	92.4	92.4
Computers and peripheral equipment[1]	70.0	61.3	66.5	64.9	62.9	59.4	57.9	56.5
Other	105.8	107.6	106.2	107.0	107.4	107.7	108.2	108.7
Industrial equipment	117.9	120.2	118.7	119.1	119.8	121.4	120.4	120.4
Transportation and related equipment	112.9	116.1	114.3	115.4	116.1	116.4	116.3	117.4
Other	114.2	116.3	115.1	115.5	116.0	116.8	117.1	117.3
Residential	**111.8**	**113.1**	**112.0**	**111.7**	**112.4**	**113.5**	**114.7**	**115.9**
Structures	**112.0**	**113.3**	**112.2**	**111.9**	**112.6**	**113.7**	**115.0**	**116.2**
Single family	111.7	112.7	111.7	111.0	111.9	113.3	114.7	115.9
Multifamily	111.4	112.4	111.4	110.7	111.6	112.9	114.4	115.6
Other structures	112.8	114.4	113.0	113.5	113.9	114.6	115.5	116.7
Producers' durable equipment	**104.2**	**104.9**	**103.6**	**104.4**	**105.0**	**105.2**	**104.9**	**104.5**
Addenda:								
Price indexes for fixed investment:								
Chain-type annual weights	110.2	110.9	110.3	110.4	110.7	111.1	111.4	112.0
Benchmark-years weights	110.0	110.8	110.1	110.2	110.5	111.0	111.4	112.0

1. Includes new computers and peripheral equipment only.

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

Table 7.9.—Price Indexes for Exports and Imports of Goods and Services and for Receipts and Payments of Factor Income, Fixed 1987 Weights

[Index numbers, 1987=100]

Exports of goods and services	**112.4**	**113.7**	**112.8**	**112.9**	**113.5**	**114.0**	**114.3**	**114.8**
Merchandise[1]	109.8	109.9	109.7	109.5	109.9	110.0	110.0	110.2
Durable	108.4	109.6	108.8	109.3	109.5	109.8	110.0	110.7
Nondurable	112.1	110.0	111.1	109.7	110.4	110.4	109.7	109.9
Services[1]	118.9	123.0	120.3	121.2	122.3	123.7	124.8	125.8
Receipts of factor income[2]	**118.7**	**122.4**	**120.1**	**121.2**	**122.4**	**122.7**	**123.3**	**124.4**
Imports of goods and services	**113.7**	**114.6**	**113.9**	**113.0**	**114.4**	**115.9**	**115.2**	**113.8**
Merchandise[1]	111.2	111.9	111.3	110.1	111.4	113.1	113.0	111.5
Durable	111.4	112.7	111.7	111.7	112.2	113.5	113.5	113.8
Nondurable	110.8	110.3	110.6	106.6	110.0	112.5	112.1	108.3
Services[1]	125.0	126.9	125.4	126.1	127.6	128.7	125.0	124.4
Payments of factor income[3]	**119.6**	**123.5**	**121.0**	**122.2**	**123.4**	**123.8**	**124.5**	**125.6**
Addenda:								
Price indexes for exports of goods and services:								
Chain-type annual weights	112.1	113.1	112.3	112.5	113.0	113.4	113.6	114.0
Benchmark-years weights	111.7	112.8	111.9	112.1	112.6	113.1	113.3	113.7
Price indexes for imports of goods and services:								
Chain-type annual weights	112.6	113.0	112.4	111.6	112.8	114.2	113.5	112.1
Benchmark-years weights	112.1	112.8	112.1	111.2	112.5	114.0	113.3	111.9

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services.

2. Consists largely of receipts by U.S. residents of interest and dividends and reinvested earnings of foreign affiliates of U.S. corporations.

3. Consists largely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.

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

Table 7.10.—Price Indexes for Exports and Imports of Merchandise by End-Use Category, Fixed 1987 Weights

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Exports of merchandise	**109.8**	**109.9**	**109.7**	**109.5**	**109.9**	**110.0**	**110.0**	**110.2**
Foods, feeds, and beverages	114.8	114.4	117.6	116.9	116.5	112.5	111.6	113.1
Industrial supplies and materials	111.4	108.9	108.8	107.1	108.5	110.3	109.8	109.9
Durable goods	115.2	117.9	114.5	114.7	116.9	119.7	120.3	124.0
Nondurable goods	109.7	104.9	106.3	103.6	104.7	106.1	105.1	103.6
Capital goods, except automotive	105.4	105.8	105.9	106.0	105.8	105.7	105.7	105.6
Civilian aircraft, engines, and parts	117.8	120.9	119.3	120.2	120.4	121.4	121.9	122.0
Computers, peripherals, and parts	69.4	60.4	65.9	64.4	62.1	58.2	56.8	55.4
Other	113.7	116.3	115.1	115.6	115.9	116.8	117.0	117.3
Automotive vehicles, engines, and parts	110.5	112.6	111.3	111.9	112.4	112.7	113.4	113.6
Consumer goods, except automotive	113.8	118.1	114.2	117.7	117.9	118.0	118.8	119.6
Durable goods	111.7	116.8	111.5	117.4	116.3	116.1	117.4	117.9
Nondurable goods	115.7	119.3	116.7	117.9	119.3	119.6	120.1	121.2
Other	112.5	113.1	112.7	112.6	113.0	113.4	113.7	113.7
Durable goods	112.5	113.2	112.7	112.6	113.0	113.4	113.7	113.8
Nondurable goods	112.5	113.2	112.7	112.6	113.0	113.4	113.7	113.8
Imports of merchandise	**111.2**	**111.9**	**111.3**	**110.1**	**111.4**	**113.1**	**113.0**	**111.5**
Foods, feeds, and beverages	108.4	108.0	108.7	111.6	107.0	106.6	106.8	105.4
Industrial supplies and materials, except petroleum and products	115.3	114.7	113.2	114.0	114.8	115.3	114.8	115.2
Durable goods	115.4	116.5	113.8	115.1	117.4	117.6	115.9	118.5
Nondurable goods	115.3	112.8	112.6	112.9	112.0	112.8	113.7	111.8
Petroleum and products	105.2	100.5	104.9	88.7	101.6	107.7	104.2	95.4
Capital goods, except automotive	107.1	106.2	106.9	106.1	105.0	107.0	106.8	105.8
Civilian aircraft, engines, and parts	117.7	121.0	119.3	120.2	120.3	121.4	121.8	122.0
Computers, peripherals, and parts	71.7	64.0	68.1	66.4	64.7	63.1	61.7	60.3
Other	114.2	114.6	114.7	113.9	112.8	115.8	115.8	114.7
Automotive vehicles, engines, and parts	112.5	115.6	113.7	114.8	114.9	115.9	116.8	116.4
Consumer goods, except automotive	114.0	117.0	114.6	115.0	116.5	117.9	118.7	117.7
Durable goods	114.0	116.3	114.7	113.7	116.3	117.4	117.7	117.8
Nondurable goods	114.1	117.9	114.5	116.6	116.7	118.5	119.9	117.5
Other	112.8	113.8	112.7	112.9	113.1	114.5	115.0	114.1
Durable goods	112.8	113.9	112.7	112.9	113.1	114.5	115.0	114.1
Nondurable goods	112.8	113.9	112.7	112.9	113.1	114.5	115.0	114.1
Addenda:								
Exports of agricultural products[1]	113.0	110.3	113.3	111.9	111.3	109.3	108.8	110.1
Exports of nonagricultural products	109.4	109.8	109.2	109.2	109.7	110.1	110.1	110.2
Imports of nonpetroleum products	111.9	113.0	111.9	112.4	112.4	113.5	113.8	113.2

1. Includes parts of line 2, 5, and line 13.

Table 7.11.—Price Indexes for Government Purchases by Type, Fixed 1987 Weights

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Government purchases	**116.5**	**119.8**	**117.6**	**118.5**	**119.5**	**120.2**	**121.2**	**122.5**
Federal	**116.5**	**121.3**	**118.1**	**119.8**	**120.6**	**121.7**	**123.0**	**125.3**
National defense	**116.5**	**121.7**	**118.3**	**120.0**	**120.9**	**122.1**	**123.6**	**126.0**
Durable goods	111.4	114.0	112.6	112.5	113.0	113.8	116.7	118.0
Nondurable goods	121.3	115.9	120.2	111.7	115.3	119.9	116.9	114.1
Services	118.5	125.8	121.1	124.2	125.1	126.4	127.4	130.7
Compensation of employees	122.0	132.3	125.0	130.6	131.8	132.8	134.0	139.6
Military	121.4	133.1	125.2	131.0	132.6	133.7	135.1	140.9
Civilian	123.3	130.6	124.6	129.6	130.1	130.7	132.0	137.0
Other services	113.6	116.5	115.5	115.2	115.7	117.3	118.0	117.9
Structures	117.8	118.6	116.0	116.1	118.2	119.5	120.6	121.2
Nondefense	**116.6**	**120.2**	**117.3**	**119.4**	**119.8**	**120.4**	**121.1**	**123.4**
Durable goods	106.5	102.1	105.5	102.9	103.5	103.6	98.2	93.5
Nondurable goods	.....	.....	.....	.....	.....	.....	.....	.....
Commodity Credit Corporation inventory change	.....	.....	.....	.....	.....	.....	.....	.....
Other nondurables	108.9	113.6	112.8	113.2	114.5	114.0	112.5	114.1
Services	119.4	124.4	120.8	123.8	124.0	124.4	125.4	128.1
Compensation of employees	122.4	129.3	123.4	128.4	128.7	129.4	130.6	135.2
Other services	115.2	117.5	117.2	117.3	117.4	117.5	118.1	118.2
Structures	113.3	113.8	113.4	112.7	113.5	113.9	114.9	115.3
State and local	**116.4**	**118.7**	**117.2**	**117.4**	**118.5**	**119.0**	**119.8**	**120.3**
Durable goods	111.2	113.1	111.9	112.4	113.2	113.5	113.5	114.4
Nondurable goods	115.1	115.3	114.4	113.3	115.9	116.7	115.3	116.2
Services	118.1	121.3	119.4	120.2	121.2	121.5	122.4	123.1
Compensation of employees	122.0	126.4	123.7	124.8	126.3	126.6	127.8	128.8
Other services	76.5	66.2	72.1	70.0	66.0	65.2	63.5	60.3
Structures	110.5	109.2	109.5	107.4	108.6	109.6	111.4	111.2
Addenda:								
Price indexes for government purchases:								
Chain-type annual weights	116.1	119.2	117.1	118.0	118.9	119.5	120.4	121.7
Benchmark-years weights	116.2	119.4	117.2	118.1	119.1	119.7	120.6	122.0
Price indexes for Federal national defense purchases:								
Chain-type annual weights	115.7	120.4	117.3	119.0	119.8	120.9	121.8	124.3
Benchmark-years weights	115.5	120.4	117.2	118.8	119.7	120.8	122.0	124.5
Price indexes for Federal nondefense purchases:								
Chain-type annual weights	115.5	119.0	116.3	118.5	118.8	119.1	119.7	122.1
Benchmark-years weights	116.8	120.3	117.5	119.6	120.0	120.5	121.1	123.4
Price indexes for State and local purchases:								
Chain-type annual weights	116.4	118.7	117.2	117.4	118.6	119.0	119.8	120.3
Benchmark-years weights	116.4	118.6	117.1	117.4	118.5	118.9	119.7	120.3

Table 7.12.—Price Indexes for National Defense Purchases, Fixed 1987 Weights

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
National defense purchases	**116.5**	**121.7**	**118.3**	**120.0**	**120.9**	**122.1**	**123.6**	**126.0**
Durable goods	**111.4**	**114.0**	**112.6**	**112.5**	**113.0**	**113.8**	**116.7**	**118.0**
Military equipment	111.9	114.8	113.2	113.1	113.7	114.6	117.8	119.2
Aircraft	113.8	119.2	116.6	116.3	117.0	118.5	125.2	126.7
Missiles	101.4	98.5	99.2	99.1	98.5	98.8	97.7	100.4
Ships	117.2	119.0	118.5	118.3	118.6	119.3	119.8	120.5
Vehicles	115.0	121.0	118.9	119.3	119.5	121.1	124.0	125.5
Electronic equipment	107.2	109.1	107.8	108.0	109.6	109.4	109.5	109.6
Other	115.5	117.0	115.3	115.1	117.3	117.3	118.3	118.3
Other durable goods	107.1	105.6	105.7	106.1	105.8	105.4	105.2	105.4
Nondurable goods	**121.3**	**115.9**	**120.2**	**111.7**	**115.3**	**119.9**	**116.9**	**114.1**
Petroleum products	132.7	119.5	130.2	107.5	117.0	129.7	123.7	110.7
Ammunition	109.6	109.1	108.6	108.3	109.6	110.7	108.0	114.2
Other nondurable goods	120.1	118.8	120.6	119.7	119.2	118.2	118.1	118.2
Services	**118.5**	**125.8**	**121.1**	**124.2**	**125.1**	**126.4**	**127.4**	**130.7**
Compensation of employees	122.0	132.3	125.0	130.6	131.8	132.8	134.0	139.6
Military	121.4	133.1	125.2	131.0	132.6	133.7	135.1	140.9
Civilian	123.3	130.6	124.6	129.6	130.1	130.7	132.0	137.0
Other services	113.6	116.5	115.5	115.2	115.7	117.3	118.0	117.9
Contractual research and development	108.8	111.8	110.1	109.9	111.7	112.3	113.4	113.8
Installation support[1]	113.6	114.6	115.0	113.7	113.8	115.5	115.4	114.7
Weapons support[2]	115.6	120.4	118.4	118.0	119.7	121.1	122.6	122.9
Personnel support[3]	126.5	134.1	130.8	132.2	131.8	136.3	136.1	134.3
Transportation of material	102.6	101.6	105.5	103.6	101.5	100.8	100.7	101.1
Travel of persons	112.4	111.6	111.3	112.3	108.8	110.5	114.7	119.4
Other	.....	.....	.....	.....	.....	.....	.....	.....
Structures	**117.8**	**118.6**	**116.0**	**116.1**	**118.2**	**119.5**	**120.6**	**121.2**
Military facilities	109.5	113.3	108.0	111.4	113.2	114.2	114.6	115.0
Other	133.1	128.3	130.6	124.7	127.4	129.3	131.8	132.7
Addenda:								
Price indexes for national defense purchases:								
Chain-type annual weights	115.7	120.4	117.3	119.0	119.8	120.9	121.8	124.3
Benchmark-years weights	115.5	120.4	117.2	118.8	119.7	120.8	122.0	124.5

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

[Index numbers, 1987=100]

Gross domestic product	**117.8**	**120.9**	**118.9**	**119.8**	**120.6**	**121.2**	**121.9**	**122.9**
Plus: Receipts of factor income from the rest of the world[1]	118.7	122.3	120.1	121.2	122.0	122.7	123.3	124.4
Less: Payments of factor income to the rest of the world[2]	119.5	123.5	121.1	122.3	123.1	124.0	124.7	125.9
Equals: Gross national product	**117.8**	**120.9**	**118.9**	**119.8**	**120.6**	**121.2**	**121.8**	**122.9**
Less: Consumption of fixed capital	110.0	110.5	110.0	109.5	110.4	111.0	111.0	111.5
Equals: Net national product	**118.8**	**122.3**	**120.1**	**121.2**	**122.0**	**122.6**	**123.3**	**124.4**
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	128.4	132.4	130.7	131.2	131.1	134.1	133.3	132.2
Statistical discrepancy	117.1	119.8	118.0	118.8	119.5	120.1	120.7	121.5
Equals: National income	**117.8**	**121.3**	**119.0**	**120.2**	**121.1**	**121.5**	**122.3**	**123.6**
Addenda:								
Net domestic product	118.8	122.3	120.1	121.2	122.0	122.7	123.3	124.4
Domestic income	117.8	121.3	119.1	120.2	121.1	121.5	122.3	123.7

1. Consists largely of receipts by U.S. residents of interest and dividends and reinvested earnings of foreign affiliates of U.S. corporations.
2. Consists largely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.

Table 7.14.—Implicit Price Deflators for Gross Domestic Product by Sector

[Index numbers, 1987=100]

	1991	1992	Seasonally adjusted					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product	**117.8**	**120.9**	**118.9**	**119.8**	**120.6**	**121.2**	**121.9**	**122.9**
Business	**117.1**	**119.8**	**118.0**	**118.8**	**119.5**	**120.1**	**120.7**	**121.5**
Nonfarm	117.1	119.9	118.2	118.9	119.7	120.2	120.8	121.6
Nonfarm less housing	116.8	119.3	117.8	118.6	119.3	119.0	120.3	121.1
Housing	119.8	125.4	122.0	122.2	123.0	131.7	124.8	127.0
Farm	114.0	111.8	106.9	110.8	110.5	111.4	114.5	116.3
Statistical discrepancy	117.1	119.8	118.0	118.8	119.5	120.1	120.7	121.5
Households and institutions	**121.6**	**126.6**	**123.8**	**125.0**	**126.5**	**126.8**	**128.1**	**129.6**
Private households	111.4	115.7	113.2	113.9	114.9	116.4	117.4	117.9
Nonprofit institutions	122.0	127.1	124.2	125.4	127.0	127.2	128.6	130.0
General government	**121.9**	**127.8**	**123.9**	**126.3**	**127.6**	**128.1**	**129.3**	**131.5**
Federal	122.2	131.4	124.6	129.9	130.8	131.7	133.0	138.2
State and local	121.8	126.3	123.6	124.7	126.2	126.6	127.7	128.7
Addendum:								
Gross domestic business product less housing	116.8	.....	.....	.....	.....	.....	.....	.....

Table 7.15.—Current-Dollar Cost and Profit Per Unit of Constant-Dollar Gross Domestic Product of Nonfinancial Corporate Business

[Dollars]

Current-dollar cost and profit per unit of constant-dollar gross domestic product[1]	**1.139**	**1.151**	**1.143**	**1.146**	**1.151**	**1.152**	**1.155**	**1.163**
Consumption of fixed capital	**.126**	**.126**	**.126**	**.125**	**.126**	**.130**	**.124**	**.125**
Net domestic product	**1.013**	**1.025**	**1.017**	**1.021**	**1.026**	**1.022**	**1.032**	**1.038**
Indirect business tax and nontax liability plus business transfer payments less subsidies	.115	.118	.117	.118	.117	.118	.119	.120
Domestic income	.898	.907	.900	.903	.908	.903	.913	.918
Compensation of employees	.759	.757	.761	.760	.759	.757	.753	.763
Corporate profits with inventory valuation and capital consumption adjustments	.085	.102	.086	.093	.100	.100	.113	.109
Profits tax liability	.030	.036	.030	.033	.037	.035	.038	.037
Profits after tax with inventory valuation and capital consumption adjustments	.055	.066	.056	.060	.064	.065	.075	.071
Net interest	.053	.048	.052	.050	.049	.047	.046	.046

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]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Gross domestic product:								
Current dollars	2.8	4.8	2.8	6.2	4.3	5.3	7.1	4.4
Quantity indexes:								
Fixed 1987 weights	−1.2	2.1	.6	2.9	1.5	3.4	4.7	.9
Chain-type annual weights	−1.1	1.9	.5	2.6	1.5	3.2	4.3	.5
Benchmark-years weights	−1.2	2.0	.5	2.8	1.5	3.3	4.5	.7
Price indexes:								
Fixed 1987 weights	4.0	2.9	2.4	3.4	2.9	2.2	3.4	4.2
Chain-type annual weights	4.0	2.9	2.4	3.5	2.8	1.9	3.1	4.2
Benchmark-years weights	4.0	2.9	2.4	3.4	2.8	2.1	3.2	4.2
Personal consumption expenditures:								
Current dollars	3.7	5.4	3.0	8.4	3.5	5.2	8.6	4.2
Quantity indexes:								
Fixed 1987 weights	−.6	2.3	−.3	5.1	−.1	3.7	5.1	1.2
Chain-type annual weights	−.6	2.2	−.2	4.7	.1	3.5	4.7	1.0
Benchmark-years weights	−.6	2.2	−.2	4.9	0	3.6	4.9	1.1
Price indexes:								
Fixed 1987 weights	4.4	3.2	3.2	3.5	3.4	2.6	3.0	3.5
Chain-type annual weights	4.3	3.2	3.2	3.5	3.4	2.6	3.0	3.5
Benchmark-years weights	4.4	3.2	3.2	3.5	3.4	2.6	3.0	3.5
Durable goods:								
Current dollars	−3.9	7.7	−2.3	18.0	1.0	10.5	14.5	1.2
Quantity indexes:								
Fixed 1987 weights	−5.6	5.9	−3.1	16.5	−2.1	9.4	14.0	.6
Chain-type annual weights	−5.9	5.6	−3.1	16.1	−2.2	9.1	13.3	−.2
Benchmark-years weights	−5.8	5.8	−3.1	16.4	−2.2	9.3	13.6	.2
Price indexes:								
Fixed 1987 weights	2.5	2.3	1.2	1.8	3.6	1.8	1.4	1.9
Chain-type annual weights	2.1	2.0	.9	1.6	3.3	1.5	1.4	1.6
Benchmark-years weights	2.2	2.2	1.0	1.7	3.5	1.7	1.4	1.7
Nondurable goods:								
Current dollars	2.2	3.1	−1.2	7.5	1.1	4.9	8.2	1.0
Quantity indexes:								
Fixed 1987 weights	−1.3	1.1	−3.5	5.5	−1.5	2.5	6.8	−2.4
Chain-type annual weights	−1.4	1.1	−3.5	5.4	−1.6	2.4	6.4	−2.3
Benchmark-years weights	−1.4	1.1	−3.5	5.5	−1.6	2.5	6.6	−2.3
Price indexes:								
Fixed 1987 weights	3.6	2.1	2.5	1.8	2.9	2.5	1.9	3.5
Chain-type annual weights	3.6	2.1	2.4	2.0	2.8	2.4	1.7	3.4
Benchmark-years weights	3.6	2.1	2.4	1.9	2.8	2.5	1.8	3.5
Services:								
Current dollars	6.3	6.1	6.5	7.0	5.3	4.3	7.7	6.8
Quantity indexes:								
Fixed 1987 weights	1.1	2.1	2.3	2.2	1.2	3.1	2.1	3.4
Chain-type annual weights	1.0	2.1	2.3	2.1	1.5	3.0	2.0	3.2
Benchmark-years weights	1.0	2.1	2.4	2.1	1.4	3.0	2.1	3.3
Price indexes:								
Fixed 1987 weights	5.3	4.1	4.1	4.9	3.7	2.9	4.1	3.8
Chain-type annual weights	5.3	4.1	4.1	4.8	3.7	2.8	4.1	3.9
Benchmark-years weights	5.3	4.1	4.1	4.9	3.7	2.9	4.1	3.8
Gross private domestic investment:								
Current dollars	−9.8	6.8	1.8	−7.2	31.2	4.4	12.1	21.3
Quantity indexes:								
Fixed 1987 weights	−10.6	7.8	2.9	−4.6	29.5	6.5	10.4	24.1
Chain-type annual weights	−11.1	6.5	2.3	−6.8	29.6	4.3	10.5	20.7
Benchmark-years weights	−10.9	7.1	2.6	−5.8	29.6	5.4	10.4	22.4
Price indexes:								
Fixed 1987 weights	.....	.....	.....	.....	.....	.....	.....	.....
Chain-type annual weights	.....	.....	.....	.....	.....	.....	.....	.....
Benchmark-years weights	.....	.....	.....	.....	.....	.....	.....	.....
Fixed investment:								
Current dollars	−7.8	4.7	−3.1	6.4	15.4	.8	15.1	5.7
Quantity indexes:								
Fixed 1987 weights	−8.5	5.5	−1.2	7.4	15.2	2.3	13.8	8.0
Chain-type annual weights	−9.1	4.3	−2.4	6.4	14.3	.1	13.7	5.0
Benchmark-years weights	−8.9	4.9	−1.9	6.9	14.7	1.2	13.7	6.5
Price indexes:								
Fixed 1987 weights	1.7	.9	−.4	.1	1.6	2.2	1.8	2.4
Chain-type annual weights	1.5	.6	−.5	.2	1.0	1.5	1.3	1.9
Benchmark-years weights	1.5	.8	−.4	.2	1.3	1.9	1.5	2.1
Nonresidential:								
Current dollars	−6.3	1.3	−7.0	1.8	15.4	−.5	9.4	6.5
Quantity indexes:								
Fixed 1987 weights	−7.0	3.0	−5.2	3.0	16.1	3.1	9.7	11.4
Chain-type annual weights	−7.8	1.2	−7.0	1.6	15.0	−.1	9.5	7.2
Benchmark-years weights	−7.5	2.1	−6.1	2.3	15.5	1.5	9.6	9.3
Price indexes:								
Fixed 1987 weights	2.0	.8	.4	.6	1.2	1.5	.6	1.6
Chain-type annual weights	1.6	.4	.1	.5	.5	.7	.2	1.1
Benchmark-years weights	1.8	.6	.3	.5	.9	1.1	.4	1.3
Structures:								
Current dollars	−10.4	−6.5	−12.8	.9	.5	−9.5	2.2	.2
Quantity indexes:								
Fixed 1987 weights	−12.0	−6.9	−11.5	2.7	−.8	−11.3	−1.9	−1.7
Chain-type annual weights	−12.0	−6.9	−11.2	2.5	−1.0	−11.1	−1.4	−2.2
Benchmark-years weights	−12.0	−6.9	−11.3	2.7	−1.0	−11.2	−1.6	−2.0
Price indexes:								
Fixed 1987 weights	1.7	.4	−1.7	−1.3	1.4	2.1	3.4	2.6
Chain-type annual weights	1.7	.4	−1.7	−1.4	1.4	2.1	3.4	2.6
Benchmark-years weights	1.8	.4	−1.7	−1.4	1.4	2.1	3.4	2.6
Producers' durable equipment:								
Current dollars	−4.1	5.3	−4.2	2.1	23.0	3.7	12.7	9.2
Quantity indexes:								
Fixed 1987 weights	−4.6	7.5	−2.4	3.2	24.1	9.5	14.5	16.5
Chain-type annual weights	−5.6	5.3	−4.9	1.1	23.2	5.2	14.4	11.4
Benchmark-years weights	−5.2	6.3	−3.7	2.2	23.7	7.4	14.5	13.9
Price indexes:								
Fixed 1987 weights	2.1	1.1	1.6	1.6	1.1	1.1	−.9	1.0
Chain-type annual weights	1.6	.4	1.1	1.4	.1	.1	−1.3	.4
Benchmark-years weights	1.8	.7	1.3	1.5	.6	.6	−1.1	.7
Residential:								
Current dollars	−11.7	14.4	8.5	19.4	15.5	4.2	30.4	3.8
Quantity indexes:								
Fixed 1987 weights	−12.6	13.2	11.3	20.1	12.6	.2	25.1	−.2
Chain-type annual weights	−12.6	13.2	11.1	20.2	12.6	.3	25.1	−.3
Benchmark-years weights	−12.6	13.2	11.1	20.2	12.6	.3	25.1	−.3
Price indexes:								
Fixed 1987 weights	1.0	1.1	−2.0	−.8	2.5	3.9	4.4	4.1
Chain-type annual weights	1.0	1.1	−2.2	−.5	2.4	3.8	4.2	4.1
Benchmark-years weights	1.0	1.1	−2.1	−.6	2.5	3.8	4.3	4.1
Exports of goods and services:								
Current dollars	7.4	6.4	14.4	3.4	−1.7	9.0	8.9	−1.8
Quantity indexes:								
Fixed 1987 weights	5.8	6.3	13.3	2.9	−1.4	9.2	8.9	−2.6
Chain-type annual weights	5.3	5.6	12.6	2.7	−2.7	8.1	8.2	−2.9
Benchmark-years weights	5.5	6.0	12.9	2.8	−2.1	8.6	8.6	−2.7
Price indexes:								
Fixed 1987 weights	2.1	1.1	2.3	.6	2.0	1.7	1.0	1.7
Chain-type annual weights	2.0	.9	1.7	.9	1.6	1.4	.9	1.1
Benchmark-years weights	2.0	1.0	2.0	.7	1.8	1.6	1.0	1.4
Imports of goods and services:								
Current dollars	−.9	7.5	6.1	−1.7	17.6	7.8	11.2	4.3
Quantity indexes:								
Fixed 1987 weights	−.1	9.6	4.2	3.5	14.7	14.8	5.7	12.0
Chain-type annual weights	−1.2	8.3	3.6	2.4	13.0	12.0	5.5	11.0
Benchmark-years weights	−.8	8.9	3.9	2.9	13.9	13.4	5.6	11.5
Price indexes:								
Fixed 1987 weights	1.0	.8	3.7	−3.0	4.9	5.6	−2.6	−4.5
Chain-type annual weights	.3	.4	3.0	−2.9	4.4	5.2	−2.3	−5.1
Benchmark-years weights	.6	.6	3.4	−2.9	4.6	5.4	−2.5	−4.8
Government purchases:								
Current dollars	4.5	2.2	−1.1	4.8	2.2	5.6	−.3	−2.5
Quantity indexes:								
Fixed 1987 weights	1.2	−.3	−3.0	1.7	−1.2	3.8	−2.6	−7.3
Chain-type annual weights	1.0	−.4	−3.0	1.7	−1.1	3.6	−2.9	−6.5
Benchmark-years weights	1.1	−.4	−3.0	1.7	−1.2	3.7	−2.8	−6.9
Price indexes:								
Fixed 1987 weights	3.5	2.9	2.6	3.1	3.5	2.4	3.4	4.4
Chain-type annual weights	3.5	2.7	2.1	3.1	3.3	2.0	2.7	4.6
Benchmark-years weights	3.5	2.8	2.3	3.1	3.4	2.2	3.1	4.5
Federal:								
Current dollars	4.9	.4	−5.6	3.9	−.2	9.7	−3.1	−8.9
Quantity indexes:								
Fixed 1987 weights	1.2	−3.3	−9.0	−3.0	−2.7	7.5	−4.7	−17.8
Chain-type annual weights	.9	−3.3	−8.9	−2.6	−2.7	7.0	−5.7	−16.0
Benchmark-years weights	1.0	−3.3	−9.0	−2.8	−2.7	7.2	−5.2	−16.9
Price indexes:								
Fixed 1987 weights	4.0	4.1	4.8	6.0	2.8	3.6	4.3	7.8
Chain-type annual weights	3.9	3.8	3.7	6.5	2.3	2.9	2.8	8.4
Benchmark-years weights	3.9	3.9	4.1	6.2	2.5	3.3	3.5	8.1
National defense:								
Current dollars	3.1	−2.5	−8.7	−1.4	−2.4	10.5	−1.7	−16.4
Quantity indexes:								
Fixed 1987 weights	−.2	−6.3	−13.0	−7.7	−5.2	8.3	−3.5	−25.9
Chain-type annual weights	−.6	−6.3	−12.6	−6.9	−5.5	7.2	−4.7	−23.6
Benchmark-years weights	−.4	−6.3	−12.8	−7.3	−5.3	7.7	−4.1	−24.8
Price indexes:								
Fixed 1987 weights	3.8	4.5	6.2	5.6	3.2	4.1	4.9	7.8
Chain-type annual weights	3.7	4.1	4.7	6.1	2.6	3.6	3.2	8.6
Benchmark-years weights	3.7	4.2	5.3	5.8	2.9	3.9	4.1	8.2

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

[Percent]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Nondefense:								
Current dollars	10.0	7.9	2.6	17.9	5.3	8.0	−6.6	10.9
Quantity indexes:								
Fixed 1987 weights	5.2	4.8	2.3	9.7	3.3	5.5	−7.6	5.2
Chain-type annual weights	5.2	4.5	1.0	8.8	4.4	6.4	−7.8	3.8
Benchmark-years weights	5.1	4.7	1.6	9.2	3.9	6.0	−7.7	4.4
Price indexes:								
Fixed 1987 weights	4.9	3.1	.5	7.3	1.5	2.1	2.2	7.7
Chain-type annual weights	4.6	3.0	1.2	7.5	1.3	1.1	1.9	8.1
Benchmark-years weights	4.6	3.0	.6	7.4	1.4	1.6	2.0	7.9
State and local:								
Current dollars	4.3	3.5	2.2	5.3	3.9	2.9	1.6	1.9
Quantity indexes:								
Fixed 1987 weights	1.2	1.7	1.4	5.1	−.2	1.4	−1.1	.2
Chain-type annual weights	1.1	1.6	1.3	4.7	−.1	1.4	−1.1	.1
Benchmark-years weights	1.1	1.7	1.3	4.9	−.2	1.4	−1.1	.2
Price indexes:								
Fixed 1987 weights	3.1	1.9	.9	.8	4.0	1.4	2.8	1.8
Chain-type annual weights	3.1	1.9	.9	.8	4.0	1.4	2.7	1.9
Benchmark-years weights	3.1	1.9	.9	.8	4.0	1.4	2.7	1.9
Addenda:								
Final sales of domestic product:								
Current dollars	3.1	4.5	2.2	8.0	2.6	4.8	7.4	2.5
Quantity indexes:								
Fixed 1987 weights	−.8	1.8	0	4.7	−.1	2.8	5.2	−1.2
Chain-type annual weights	−.8	1.6	−.1	4.4	−.1	2.6	4.7	−1.5
Benchmark-years weights	−.9	1.7	−.1	4.5	−.1	2.7	4.9	−1.3
Price indexes:								
Fixed 1987 weights	4.0	2.9	2.4	3.4	2.9	2.2	3.4	4.2
Chain-type annual weights	4.0	2.8	2.3	3.5	2.8	1.9	3.1	4.2
Benchmark-years weights	4.0	2.9	2.4	3.4	2.8	2.0	3.2	4.2
Gross domestic purchases:								
Current dollars	1.9	4.9	2.0	5.6	6.4	5.2	7.4	5.1
Quantity indexes:								
Fixed 1987 weights	−1.8	2.5	−.4	3.0	3.4	4.1	4.4	2.7
Chain-type annual weights	−1.8	2.2	−.4	2.6	3.2	3.6	4.0	2.1
Benchmark-years weights	−1.8	2.4	−.4	2.8	3.3	3.9	4.2	2.4
Price indexes:								
Fixed 1987 weights	3.8	2.8	2.6	2.9	3.2	2.5	2.9	3.5
Chain-type annual weights	3.8	2.8	2.5	3.0	3.1	2.3	2.7	3.5
Benchmark-years weights	3.8	2.8	2.5	3.0	3.1	2.4	2.8	3.5
Final sales to domestic purchasers:								
Current dollars	2.2	4.7	1.4	7.4	4.7	4.7	7.7	3.2
Quantity indexes:								
Fixed 1987 weights	−1.4	2.2	−.9	4.7	1.7	3.5	4.8	.5
Chain-type annual weights	−1.5	2.0	−1.0	4.3	1.6	3.1	4.4	.1
Benchmark-years weights	−1.5	2.1	−1.0	4.5	1.6	3.3	4.6	.3
Price indexes:								
Fixed 1987 weights	3.8	2.8	2.6	3.0	3.2	2.5	2.9	3.5
Chain-type annual weights	3.8	2.8	2.5	3.0	3.1	2.3	2.7	3.5
Benchmark-years weights	3.8	2.8	2.5	3.0	3.1	2.4	2.8	3.5
Gross national product:								
Current dollars	2.7	4.7	2.7	6.8	3.4	5.7	6.5	5.5
Quantity indexes:								
Fixed 1987 weights	−1.2	2.0	.4	3.6	.7	3.9	4.1	1.9
Chain-type annual weights	−1.2	1.8	.3	3.2	.6	3.6	3.7	1.5
Benchmark-years weights	−1.2	1.9	.3	3.4	.7	3.7	3.9	1.7
Price indexes:								
Fixed 1987 weights	4.0	2.9	2.4	3.4	2.9	2.1	3.4	4.2
Chain-type annual weights	4.0	2.8	2.4	3.5	2.8	1.9	3.1	4.2
Benchmark-years weights	4.0	2.9	2.4	3.4	2.8	2.0	3.2	4.2
Command-basis gross national product:								
Quantity index, fixed 1987 weights	−1.0	2.2	.3	4.3	.3	4.7	3.4	3.0
Disposable personal income:								
Current dollars	4.1	5.3	5.5	7.3	4.8	2.0	7.8	5.8
1987 dollars	−.2	2.2	2.2	4.0	1.2	.5	4.3	2.7

NOTE.—Except for disposable personal income, the quantity and price indexes in this table are calculated from weighted averages of the detailed output and prices used to prepare each aggregate and component. The fixed-weighted measures use as weights the composition of output in 1987. For the alternative indexes, the chain-type indexes with annual weights use weights for the preceding and current years, and the indexes with benchmark-years weights use weights of 1959, 1963, 1967, 1972, 1977, 1982, and 1987 and the most recent year.

Table 8.2.—Selected Per Capita Product and Income Series in Current and Constant Dollars and Population of the United States

[Dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Current dollars:								
Gross domestic product	22,466	23,296	22,671	22,958	23,141	23,373	23,709	23,909
Gross national product	22,535	23,340	22,713	23,035	23,169	23,426	23,729	23,987
Personal income	19,106	19,802	19,337	19,578	19,717	19,790	20,119	20,369
Disposable personal income	16,658	17,346	16,885	17,143	17,297	17,332	17,610	17,817
Personal consumption expenditures	15,384	16,035	15,537	15,814	15,907	16,063	16,353	16,484
Durable goods	1,765	1,881	1,775	1,845	1,845	1,887	1,946	1,947
Nondurable goods	4,952	5,053	4,931	5,008	5,009	5,054	5,140	5,140
Services	8,666	9,101	8,831	8,960	9,053	9,122	9,267	9,397
Constant (1987) dollars:								
Gross domestic product	19,077	19,272	19,066	19,159	19,182	19,288	19,456	19,454
Gross national product	19,138	19,311	19,104	19,225	19,208	19,335	19,476	19,521
Disposable personal income	13,886	14,035	13,913	14,017	14,021	13,998	14,105	14,165
Personal consumption expenditures	12,824	12,974	12,803	12,930	12,893	12,973	13,098	13,105
Durable goods	1,641	1,719	1,639	1,700	1,686	1,719	1,771	1,770
Nondurable goods	4,125	4,127	4,081	4,126	4,099	4,113	4,169	4,134
Services	7,058	7,128	7,082	7,104	7,108	7,141	7,158	7,201
Population (mid-period, thousands)	252,711	255,435	253,776	254,388	255,054	255,786	256,513	257,140

Table 8.3.—Auto Output

[Billions of dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Auto output	**119.7**	**132.8**	**122.3**	**125.1**	**135.0**	**135.0**	**136.0**	**139.9**
Final sales	**119.7**	**130.8**	**120.8**	**129.9**	**130.3**	**129.3**	**133.6**	**129.0**
Personal consumption expenditures	115.3	123.8	117.5	124.4	122.0	121.4	127.7	128.4
New autos	79.5	85.4	82.7	87.6	83.1	82.3	88.6	86.8
Net purchases of used autos	35.8	38.5	34.8	36.7	38.9	39.1	39.1	41.6
Producers' durable equipment	36.6	36.9	35.7	36.0	38.7	36.2	36.7	33.5
New autos	59.8	61.7	58.1	57.6	65.2	61.8	62.4	58.2
Net purchases of used autos	–23.3	–24.8	–22.4	–21.6	–26.5	–25.6	–25.7	–24.7
Net exports	–33.9	–31.5	–33.8	–32.0	–32.0	–29.9	–32.1	–34.5
Exports	11.7	14.6	11.7	12.4	13.4	16.5	16.1	14.7
Imports	45.6	46.1	45.5	44.4	45.4	46.4	48.2	49.3
Government purchases	1.7	1.5	1.3	1.5	1.7	1.6	1.3	1.5
Change in business inventories of new and used autos	**0**	**2.0**	**1.5**	**–4.8**	**4.7**	**5.8**	**2.5**	**10.9**
New	–.3	1.4	.7	–3.1	2.9	4.7	.9	11.3
Used	.4	.7	.8	–1.7	1.8	1.0	1.5	–.4
Addenda:								
Domestic output of new autos[1]	94.7	104.5	98.0	98.5	104.8	105.5	109.0	114.9
Sales of imported new autos[2]	56.2	58.6	54.5	56.8	61.1	57.9	58.8	55.3

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 8.4.—Auto Output in Constant Dollars

[Billions of 1987 dollars]

	1991	1992	Seasonally adjusted at annual rates					
			1991	1992				1993
			IV	I	II	III	IV	I
Auto output	**109.3**	**117.1**	**109.4**	**111.2**	**121.4**	**118.6**	**117.3**	**118.7**
Final sales	**109.2**	**115.5**	**109.1**	**117.7**	**115.6**	**112.7**	**116.2**	**111.7**
Personal consumption expenditures	107.6	111.7	108.3	115.0	110.8	108.4	112.6	112.5
New autos	72.6	76.1	75.0	79.2	74.3	73.0	78.2	76.3
Net purchases of used autos	35.0	35.5	33.3	35.8	36.6	35.4	34.4	36.2
Producers' durable equipment	32.4	32.2	31.4	31.2	33.5	31.7	32.5	29.7
New autos	54.7	55.0	52.7	52.0	58.3	54.8	55.1	51.2
Net purchases of used autos	–22.3	–22.8	–21.3	–20.8	–24.8	–23.1	–22.6	–21.5
Net exports	–32.2	–29.7	–31.7	–29.7	–30.2	–28.8	–30.0	–31.7
Exports	10.6	13.0	10.6	11.2	11.9	14.6	14.3	13.0
Imports	42.8	42.7	42.3	40.8	42.1	43.4	44.3	44.7
Government purchases	1.5	1.3	1.2	1.3	1.4	1.3	1.1	1.2
Change in business inventories of new and used autos	**.1**	**1.6**	**.3**	**–6.6**	**5.8**	**6.0**	**1.1**	**6.9**
New	–.5	1.0	–.7	–4.9	4.1	5.1	–.2	7.3
Used	.6	.6	1.1	–1.7	1.7	.9	1.3	–.4
Addenda:								
Domestic output of new autos[1]	86.4	92.9	88.0	87.1	94.8	94.4	95.6	98.9
Sales of imported new autos[2]	51.4	52.3	49.4	51.3	54.6	51.4	51.9	48.6

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 8.5.—Truck Output

[Billions of dollars]

Truck output[1]	**67.9**	**83.9**	**72.9**	**78.0**	**81.7**	**81.2**	**94.9**	**100.9**
Final sales	**69.4**	**82.7**	**71.1**	**71.1**	**84.4**	**82.3**	**93.2**	**91.3**
Personal consumption expenditures	36.2	43.6	38.6	37.9	43.2	44.6	48.6	48.1
Producers' durable equipment	30.9	37.7	33.8	34.0	37.1	37.6	41.9	44.7
Net exports	–3.8	–5.1	–5.4	–6.5	–4.3	–5.0	–4.6	–6.4
Exports	5.4	5.6	5.3	4.6	6.2	5.3	6.2	5.2
Imports	9.2	10.7	10.7	11.1	10.5	10.3	10.8	11.6
Government purchases	6.0	6.6	4.1	5.6	8.4	5.0	7.4	4.9
Change in business inventories	**–1.5**	**1.2**	**1.8**	**6.9**	**–2.7**	**–1.1**	**1.7**	**9.7**

1. Includes new trucks only.

Table 8.6.—Truck Output in Constant Dollars

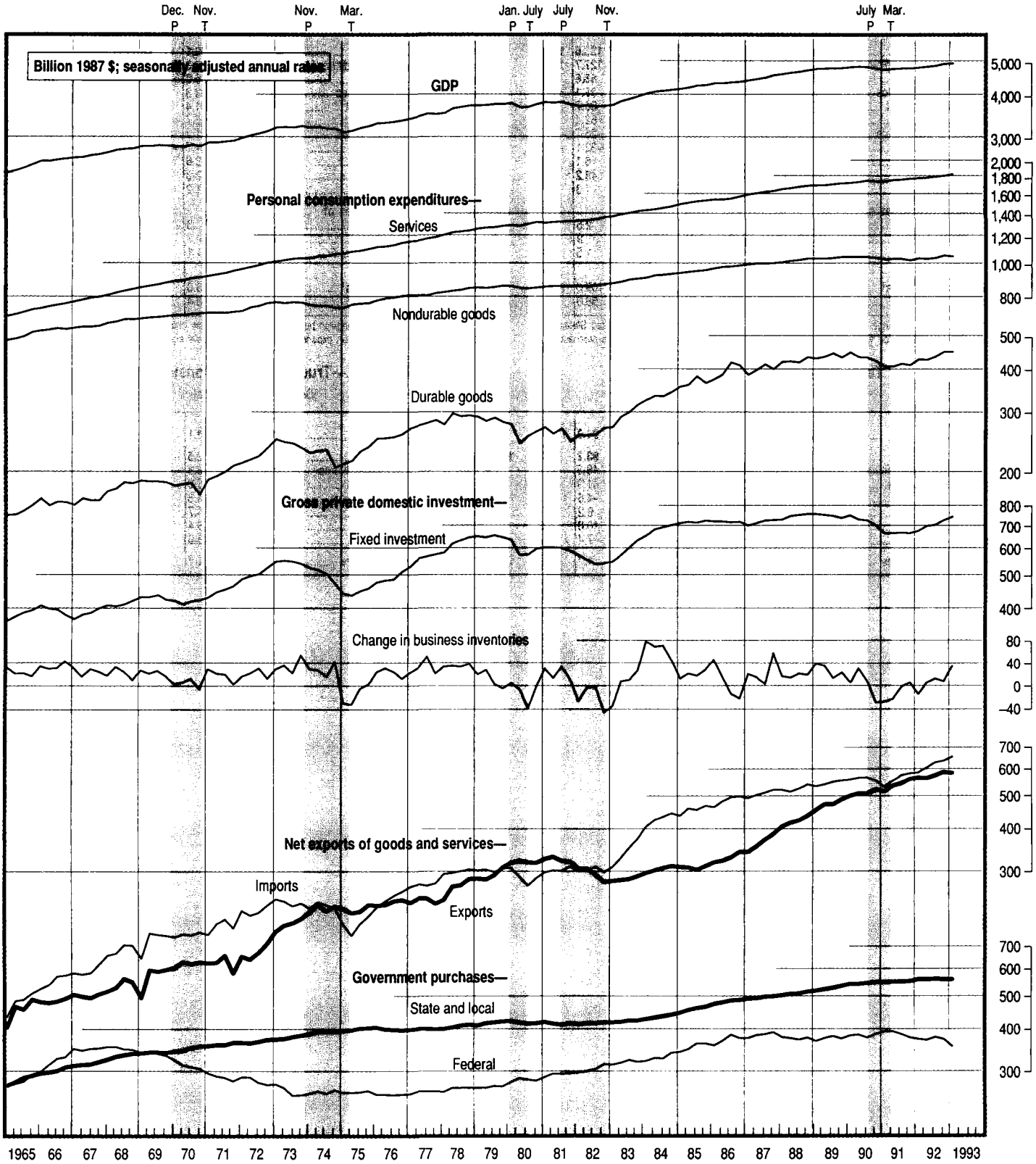
[Billions of 1987 dollars]

Truck output[1]	**60.4**	**72.0**	**64.1**	**68.1**	**70.2**	**69.2**	**80.7**	**84.5**
Final sales	**61.7**	**71.0**	**62.5**	**62.0**	**72.4**	**70.1**	**79.3**	**76.6**
Personal consumption expenditures	32.0	37.3	33.8	33.0	37.0	38.0	41.3	40.6
Producers' durable equipment	27.7	32.3	29.8	29.7	31.9	32.1	35.6	37.4
Net exports	–3.3	–4.4	–4.8	–5.7	–3.7	–4.2	–3.9	–5.4
Exports	4.8	4.8	4.7	4.0	5.3	4.6	5.3	4.4
Imports	8.2	9.2	9.4	9.7	9.0	8.8	9.2	9.8
Government purchases	5.4	5.7	3.6	4.9	7.2	4.3	6.3	4.1
Change in business inventories	**–1.3**	**1.1**	**1.7**	**6.1**	**–2.3**	**–.9**	**1.4**	**8.0**

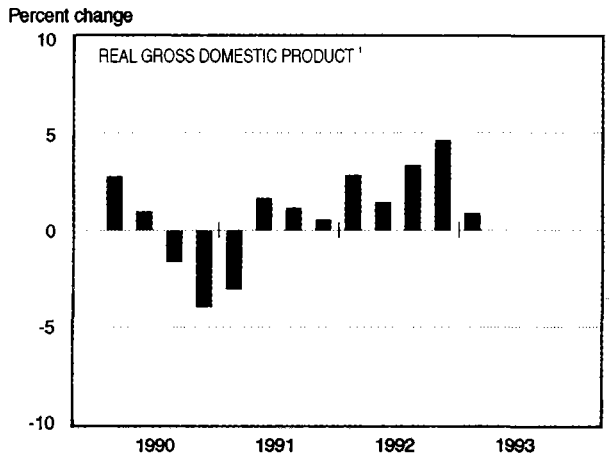
1. Includes new trucks only.

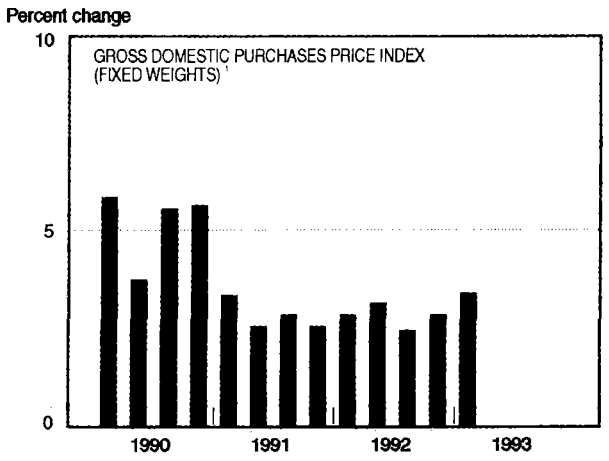
NIPA Charts

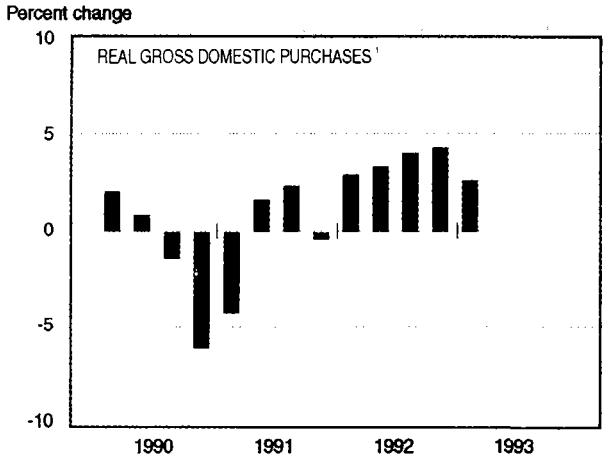
REAL GDP AND ITS COMPONENTS: TRENDS AND CYCLES

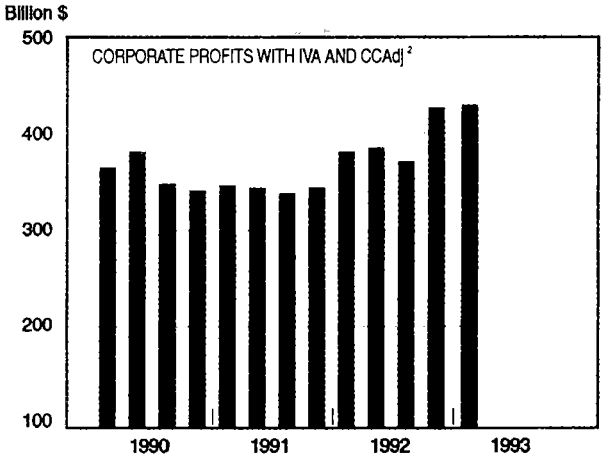


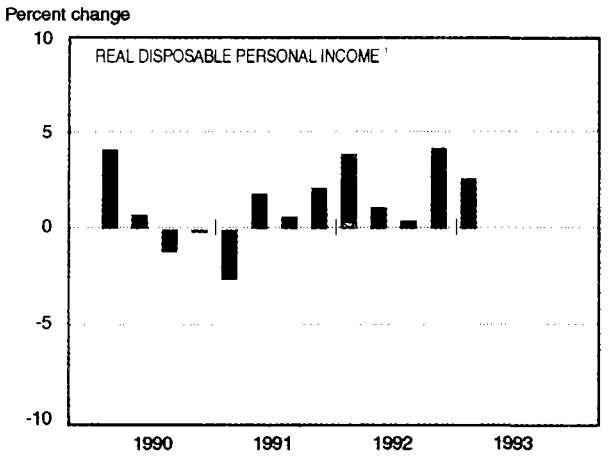
SELECTED SERIES: RECENT QUARTERS

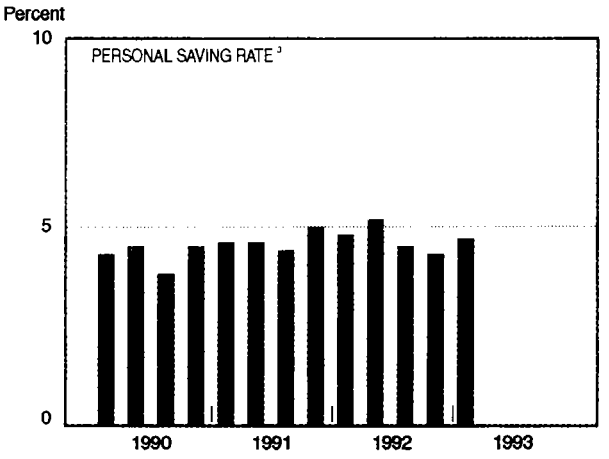












1. Percent change at annual rate from preceding quarter; based on seasonally adjusted estimates.
2. Seasonally adjusted annual rate: IVA is inventory valuation adjustment, and CCAdj is capital consumption adjustment.
3. Personal saving as percentage of disposable personal income; based on seasonally adjusted estimates.

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

Reconciliation and Other Special Tables

Table 1.—Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings

[Percent change from preceding period]

	1990	1991	1992	Seasonally adjusted at annual rates			
				1992			1993
				II	III	IV[r]	I[p]
BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing)	**5.4**	**5.1**	**3.6**	**2.4**	**4.3**	**4.5**	**3.4**
Less: Contribution of supplements to wages and salaries per hour	.1	.4	.2	.3	–.2	.1	–.2
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions	0	0	0	.2	–.3	–.1	.1
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed	.1	.1	–.1	–.2	.4	.3	–.1
***Equals*: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector**	**5.2**	**4.6**	**3.5**	**2.5**	**3.8**	**4.0**	**3.8**
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing	–.1	–.1	–.2	0	–.2	–.6	–.3
Less: Other differences[1]	1.8	1.8	1.3	.7	1.3	2.3	1.2
***Equals*: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls**	**3.5**	**2.9**	**2.5**	**1.8**	**2.7**	**2.3**	**2.9**
Addendum:							
BLS estimates of compensation per hour in the nonfarm business sector[2]	5.4	5.1	3.7	2.4	4.2	4.5	3.3

[r] Revised.
[p] Preliminary.
1. Includes BEA use of non-BLS data and differences in detailed weighting. Annual estimates also include differences in BEA and BLS benchmarking procedures; quarterly estimates also include differences in seasonal adjustment procedures.
2. These estimates differ from the BEA-derived estimates (first line) because the BLS estimates include compensation and hours of tenant-occupied housing.
BLS Bureau of Labor Statistics

Gross Product by Industry, 1977–90

By Robert P. Parker

THIS ARTICLE presents revised current- and constant-dollar estimates of gross product originating (GPO) by industry for 1977–89 and new estimates for 1990. These estimates update and extend the GPO estimates for 1977–89 that were published in the January and April 1991 issues of the SURVEY OF CURRENT BUSINESS.[1]

The revised and extended estimates (shown in tables 9–12 at the end of the article) incorporate the most recent comprehensive and annual revisions of the national income and product accounts (NIPA's), newly available information on the composition of inputs from the most recent input-output (I-O) tables, an updated and expanded employment matrix that converts NIPA corporate profits and capital consumption allowances from a company-industry basis to an establishment-industry basis, and newly available source data for gross output. In addition, one of BEA's alternative measures of real output—the benchmark-years-weighted index—is used to measure real manufacturing GPO and total real gross domestic product (GDP) for 1977–87.

The next step in BEA's work to improve the GPO estimates will be the release this fall of the following: Revised estimates for 1988–90 and new estimates for 1991 that, for 1988 and 1989, will primarily reflect the incorporation of recently revised data from several annual Census Bureau surveys and, for 1990 and 1991, will incorporate the results of the forthcoming annual NIPA revision and other newly available source data for gross output and prices of intermediate inputs; benchmark-years-weighted measures of manufacturing GPO for the years 1978–86; and revised current-dollar GPO for all industries for

1. See "Gross Product by Industry, 1977–88: A Progress Report on Improving the Estimates," SURVEY OF CURRENT BUSINESS 71 (January 1991): 23–37 and "Gross National Product by Industry, 1987–89," SURVEY 71 (April 1991): 25–27.

Gross Product Originating: Definition and Relationship to Gross Domestic Product

Gross product, or gross product originating (GPO), by industry is the contribution of each industry—including government—to gross domestic product (GDP). An industry's GPO, often referred to as its "value added," is equal to its gross output (sales or receipts and other operating income, plus inventory change) minus its intermediate inputs (consumption of goods and services purchased from other industries or imported).

In concept, GDP measured as the sum of GPO in all industries is the same as GDP measured in two other ways: (1) As the sum of expenditures (consumer spending, investment, net exports, and government purchases) and (2) as the sum of costs incurred (compensation of employees, net interest, indirect business taxes, etc.) and profits earned in production. In practice, BEA implements only the latter two ways, using less than perfectly consistent source data, so the resulting totals are not the same.

The current-dollar estimate of GDP is defined as the sum of the expenditure components; gross domestic income is defined as the sum of costs incurred and profits earned.[1] The difference between GDP and gross domestic income is the statistical discrepancy. The current-dollar GPO estimates are measured as the sum of distributions by industry of the components of gross domestic income. Thus, the sum of the current-dollar GPO estimates also differs from current-dollar GDP by the statistical discrepancy.

The constant-dollar estimate of GDP is also measured as the sum of the expenditure components. Constant-dollar estimates of gross domestic income are not prepared, however, because price indexes for deflation cannot be associated with income measures as they can be with the goods and services that make up the expenditure measures. Constant-dollar GPO estimates for most industries are measured using estimates of gross output and intermediate inputs.

The sum of the constant-dollar GPO estimates differs from constant-dollar GDP by the constant-dollar statistical discrepancy plus an additional discrepancy, termed the "residual." The residual appears in the constant-dollar GPO estimates because of BEA's judgment that the constant-dollar expenditure components used to measure GDP are more accurate than the constant-dollar GPO estimates. The amount of detailed expenditures data that are available for weighting price indexes is greater than that for gross outputs and intermediate inputs, and little information is collected annually on the composition of inputs or of nonmanufacturing outputs. For some industries, no source data are available to measure gross output, and the resulting GPO estimates are prepared using less reliable methodologies.

1. Gross domestic income, which is GDP less the statistical discrepancy, is not shown in the NIPA tables, but gross national income, which is GNP less the statistical discrepancy, is shown in NIPA table 1.9. Gross domestic income is omitted because national measures of income, which refer to the income available to U.S. residents as a result of their contribution to production, are generally more appropriate for analysis relating to sources and uses of income. Gross domestic income differs from gross national income, as GDP differs from GNP, by the exclusion of net receipts of factor income from the rest of the world.

1947–76 that will incorporate the most recent comprehensive NIPA revision.

The first section of this article discusses changes in the industrial distribution of GDP for 1977–90. The second section reviews the revisions in the GPO estimates, and the third section discusses the major sources of these revisions. The final section describes the methodology used to prepare the GPO estimates.

Changes in the Industrial Distribution of GDP

Constant-dollar GPO estimates can be used to gauge the performance over time of the various industries in terms of their relative growth rates. Comparisons of an industry's growth rate with the growth in real GDP also indicate whether the industry's share of the total economy is becoming larger or smaller, thus providing the same answer as comparisons of changes in constant-dollar shares. Current-dollar shares can be used to measure the relative size of the various industries at a given point in time.

In this article, the benchmark-years-weighted measure is used for calculating changes in real GDP and in real GPO of manufacturing industries for 1977–87. Changes in nonmanufacturing industries for 1977–87 and in GDP and GPO for all industries for 1987–90 are calculated using fixed-1987-weighted measures. For GDP and for manufacturing GPO, changes for 1977–90 are calculated using the combination of the two measures. As stated in the April 1992 SURVEY, the use of fixed price weights does not adequately portray the course of real output over long periods of time, because of changes in the relative price structure of the economy. For 1977–87, there were substantial changes that were traceable largely to the declining prices of computers and peripheral equipment, which mainly affects manufacturing GPO. (For more information, see the box on page 36.)

GPO growth rates

Constant-dollar GDP increased at an average annual rate of 2.7 percent for 1977–90 (chart 1 and table 1). All of the major industry groups recorded increases; the increases ranged from 5.1 percent for wholesale trade to 0.4 percent for mining. Manufacturing increased 2.3 percent, about one-half percentage point less than the increase in GDP.

Growth rates for 1977–90 for the more detailed industry groups are shown in table 11. For all but seven of the detailed industries, the data for 1977 and 1990 are comparable. For the industries for which the data are comparable, nine industries recorded average annual increases of 5 percent or

Table 1.—Real Gross Domestic Product by Industry Group: Average Annual Rates of Change, Selected Periods [1]

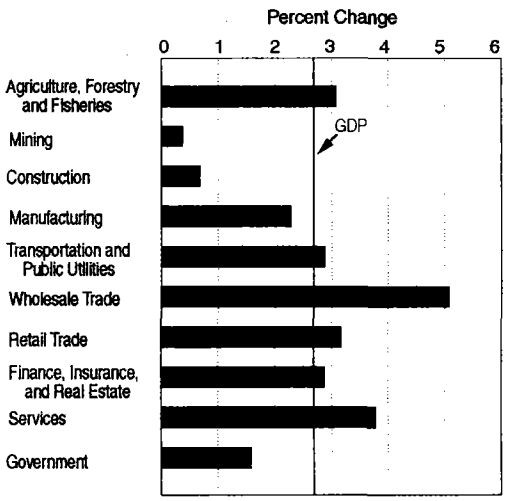
[Percent]

	1977–90	1977–82	1977–87	1982–90
Gross domestic product	**2.7**	**1.7**	**2.9**	**3.4**
Agriculture, forestry, and fisheries	3.1	2.8	3.3	3.2
Mining	.4	–2.6	–.1	2.3
Construction	.7	–2.9	1.1	3.0
Manufacturing	2.3	.2	2.5	3.6
Durable goods	2.6	–.3	2.7	4.4
Nondurable goods	2.0	1.0	2.3	2.6
Transportation and public utilities	2.9	1.1	2.9	4.1
Transportation	2.5	–.3	2.7	4.2
Communications	5.1	6.6	5.7	4.2
Electric, gas, and sanitary services	1.7	–1.5	1.2	3.8
Wholesale trade	5.1	5.1	5.9	5.0
Retail trade	3.2	1.2	3.3	4.5
Finance, insurance, and real estate	2.9	3.5	3.1	2.6
Services	3.8	3.1	3.8	4.2
Government	1.6	1.3	1.4	1.7

1. For 1977–87, changes in GDP and in manufacturing gross product originating are calculated using benchmark-years-weighted measures. Changes for those periods for all other industry groups are calculated using fixed 1987 weighted measures. For 1987–90, changes in GDP and in all industry groups are calculated using the fixed 1987 weighted measure. For 1977–90, changes in GDP and manufacturing are calculated using the combination of the two measures. The indexes are shown in table 11. See the box on page 36 for additional information.

CHART 1

Real GDP by Industry Group: Average Annual Change for 1977–90



NOTE.—For all industries except manufacturing, the change is calculated using fixed-weighted (1987) quantity indexes. For manufacturing and for GDP the change for 1977–87 is calculated using benchmark-years-weighted quantity indexes, and the change for 1987–90 is calculated using fixed weighted (1987) quantity indexes. See footnote 1 to table 1.

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more. The two fastest growing industries were metal mining, which increased 10.2 percent, and security and commodity brokers, which increased 9.1 percent. The other fast-growing industries comprised the following: Wholesale trade (which is considered both a major industry group and a detailed industry); three industries in transportation and public utilities; one industry in finance, insurance, and real estate (FIRE); one industry in services; and one industry in manufacturing.[2]

Nine industries recorded decreases. The four largest were in manufacturing: Tobacco manufactures was down 3.9 percent; primary metals industries, down 2.7 percent; motor vehicles and equipment, down 2.6 percent; and leather and leather products, down 2.4 percent. Of the remaining five decreases, three were in transportation and public utilities, and one each was in mining and in services.

For seven industries, changes in the Standard Industrial Classification (SIC) created significantly different industry definitions for 1977 and 1990. Grouping them to eliminate this noncomparability yields two more industries (a combination of electric and other electronic equipment and of instruments and related products and a combination of business services, miscellaneous professional services, and "other services") with average

2. The industry in manufacturing was the industrial machinery and equipment industry; the 1977–90 change for that industry was computed using the 1977 value for the 1972 Standard Industrial Classification (SIC) "machinery, except electrical" industry, which is roughly comparable in definition to the 1987 SIC industrial machinery and equipment industry.

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Table 2.—Gross Domestic Product by Industry Group as a Percentage of Gross Domestic Product, Selected Years

[Percent]

	Current dollars				Constant dollars			
	1977	1982	1987	1990	1977 [1]	1982 [1]	1987 [2]	1990 [3]
Gross domestic product	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Agriculture, forestry, and fisheries	2.8	2.4	1.9	2.0	1.9	2.0	1.9	1.9
Mining	2.7	4.6	1.8	1.8	2.4	2.0	1.8	1.8
Construction	4.8	4.1	4.7	4.4	5.6	4.4	4.7	4.3
Manufacturing	23.6	20.6	19.3	18.4	20.0	18.6	19.3	18.9
Durable goods	14.1	11.8	11.1	10.2	11.3	10.2	11.1	11.0
Nondurable goods	9.6	8.7	8.3	8.2	8.7	8.4	8.3	8.0
Transportation and public utilities	9.1	9.3	9.2	8.7	9.2	8.9	9.2	9.3
Transportation	3.9	3.5	3.4	3.2	3.4	3.1	3.4	3.3
Communications	2.5	2.8	2.8	2.6	2.1	2.7	2.8	2.9
Electric, gas, and sanitary services	2.7	3.0	3.1	2.9	3.6	3.1	3.1	3.2
Wholesale trade	7.0	6.9	6.7	6.5	5.0	5.8	6.7	6.6
Retail trade	9.6	9.1	9.7	9.3	9.3	9.0	9.7	9.8
Finance, insurance, and real estate	14.4	16.0	17.8	17.7	17.4	19.0	17.8	17.8
Services	13.0	14.9	17.2	18.9	15.7	16.8	17.2	17.9
Government	12.5	12.3	12.0	12.2	13.9	13.6	12.0	11.9
Percentage not allocated by industry [4]	.6	–.2	–.5	.1	–.4	–.1	–.5	–.3

1. Percentages for 1977 and 1982 are calculated using approximation B of GDP described in the box on page 36 as the denominators. For manufacturing, the numerators are approximation B of manufacturing gross product originating (GPO) described in the box. For all other industries, the numerators are the 1987-dollar estimates shown in table 12.

2. Current- and constant-dollar percentages are the same in 1987, the base period.

3. All percentages for 1990 are calculated using the 1987-dollar estimates shown in table 12.

4. The current-dollar percentage is calculated using the current-dollar statistical discrepancy, which is GDP measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production. The constant-dollar percentage is calculated using the sum of (a) the constant-dollar statistical discrepancy (the discrepancy in current dollars deflated by the implicit price deflator for gross domestic business product), (b) the residual, which is GDP in constant dollars measured as the sum of expenditures less the statistical discrepancy in constant dollars and GDP in constant dollars measured as the sum of gross product originating by industry, and (c) differences between the sum of the industry detail and 100.0 that results from the use of approximation B for benchmark-years-weighted indexes for GDP and manufacturing GPO and of fixed-weighted indexes for nonmanufacturing industries for 1977 and 1982.

NOTE.—Percentages for 1987 are calculated from the estimates based on the 1987 Standard Industrial Classification (SIC). There are no significant differences from percentages calculated from the estimates based on the 1972 SIC.

The Measurement of the Change in Real GPO by Industry

In this article, BEA departs from its traditional use of a fixed-weighted quantity index for measuring real manufacturing GPO and total real GDP for 1977–87. Instead, BEA uses one of the alternative measures—the benchmark-years-weighted index—that were introduced in April 1992 as part of the most recent comprehensive revision of the national income and product accounts. (See Allan H. Young, "Alternative Measures of Change in Real Output and Prices," SURVEY OF CURRENT BUSINESS 72 (April 1992): 32–48.)

Measuring real growth

Manufacturing GPO and GDP, 1977–87.—A fixed-weighted index is a good measure of real growth as long as the relative price structure of the economy does not change very much from that in the base year. Because of substantial changes in the relative price structure in manufacturing—changes that were largely traceable to the rapidly declining prices of computers and peripheral equipment—the currently used fixed-weighted measure with 1987 price weights is appropriate for only a fairly short period of years around 1987. For timespans covering earlier years, the use of fixed 1987 price weights understates the growth in manufacturing GPO, because the rapid growth in the output of the computer industry is weighted not by the price of computers in those years but by the lower 1987 price. Similarly, the use of fixed 1987 price weights understates the growth in GDP in these timespans. However, the understatement of GDP growth is less than that of manufacturing GPO, because the output of the computer industry accounts for a smaller portion of total GDP.

A benchmark-years-weighted index, unlike a fixed-weighted index, is not based on the price weights of a single year; the weights change each benchmark year—that is, at about 5-year intervals.[1] Over time, the weighting periods are shifted forward to reflect the prices that prevailed in the timespan being measured. For example, the period 1977–82 uses price weights for 1977 and 1982, and the period 1982–87 uses price weights for 1982 and 1987. As a result, the benchmark-years-weighted index is a more accurate measure of growth from benchmark year to benchmark year.

Exhibit 1 shows growth rates for manufacturing GPO using the benchmark-years-weighted measure and three fixed-weighted measures with 1977, 1982, and 1987 prices as weights.

In part A of the exhibit, the benchmark-years-weighted measure, the preferred measure of growth for 1977–87, shows an average annual increase of 2.5 percent. The three fixed-weighted measures show that the measurement of the growth rate for manufacturing is quite sensitive to the choice of weights. For example, the average annual growth rate for manufacturing for 1977–87 is 4.3 percent using weights from the beginning of the timespan (the fixed-1977-weighted measure), and it is only 1.7 percent using weights from the end of the timespan (the fixed-1987-weighted measure).

Both the 1977-weighted measure and the 1987-weighted measure present certain problems when they are used to measure output over the period 1977–87. The 4.3-percent growth rate calculated using the 1977-weighted measure is too high, largely because the change in output for 1982–87 is measured using 1977 prices, which were quite different from the actual prices that prevailed in the period. In contrast, the 1.7-percent growth rate calculated using the 1987-weighted measure is too low, largely because the change in output for 1977–82 is measured using 1987 prices.

Part B of the exhibit shows the growth rates for the previously published estimates of manufacturing GPO, which were calculated using fixed 1982 weights. The differences between the changes for this measure and those for the fixed-1982-weighted measure in part A indicate the effects of incorporating the revised source data and the improvements in methodology described in this article.

Part C of the exhibit reproduces a table from the April 1992 SURVEY article on the alternative measures of real output and prices. The growth rates in the table, which were calculated from provisional estimates that incorporated some of the revised data from the December 1991 comprehensive revision, are similar to those shown in part A.

Nonmanufacturing GPO, 1977–87.—For 1977–87, the fixed-1987-weighted measure is used for nonmanufacturing industries. For these industries, the choice of relative price weights has much less effect than it did for manufacturing; in addition, considerable additional work would be required to calculate the benchmark-years-weighted indexes, especially for the industries for which double deflation is not used in their estimation. When the growth of a nonmanufacturing industry is compared with that of manufacturing or of GDP, the fixed-weighted measure for the nonmanufacturing industry is, in effect, serving as a proxy for a benchmark-years-weighted measure.

GPO for all industries, 1987–90.—For 1987–90, the fixed-1987-weighted measure is used for all industries and for GDP. The differences between this measure and a benchmark-years-weighted measure in which 1990 is treated as if it were a benchmark year are fairly small.

Measuring industry shares

As noted in the April 1992 SURVEY article, a benchmark-years-weighted index has somewhat different properties than the traditional fixed-weighted index. Its use in the calculation of change in real GPO by industry means that questions such as whether manufacturing is becoming a larger or smaller part of the total economy

Text continues on the next page.

1. For the benchmark-years-weighted index, the Fisher Ideal index formula is adapted to use weights from pairs of adjacent benchmark years. For each pair of benchmark years, two fixed-weighted quantity indexes are computed: One with prices of the first benchmark year as weights, and the other with prices of the second benchmark year as weights. The geometric mean of these two indexes is the benchmark-years-weighted index.

Exhibit 1.—Fixed-Weighted and Benchmark-Years-Weighted Indexes of Real Gross Product in Manufacturing: Average Annual Rate of Change Over Selected Periods

	Fixed-weighted indexes			Benchmark-years-weighted index
	1977 weights	1982 weights	1987 weights	
Part A—Measures calculated from revised data:				
1977–87	4.3	2.3	1.7	2.5
1977–82	1.2	–.8	–.8	.2
1982–87	7.6	5.4	4.3	4.9
1987–90	.....	.....	1.7	1.6
1977–90	.....	.....	1.7	2.3
Part B—Previously published measure:				
1977–87	.....	2.5	.....	.....
1977–82	.....	–.9	.....	.....
1982–87	.....	6.1	.....	.....
Part C—Provisional estimates of measures shown in part A:				
1977–87	4.7	2.6	1.6	2.6
1977–82	.8	–.7	–1.3	.1
1982–87	8.8	6.0	4.5	5.2

NOTE.—With fixed-weighted indexes, real gross product is obtained by the double-deflation method as the difference between real gross output and real intermediate inputs. For the benchmark-years-weighted quantity index, the following relationship was used to obtain the gross product index: $(I_{GPO})^{\theta_2} = I_{GO}/(I_{II})^{\theta_1}$, where I_{GPO} is the derived benchmark-years-weighted index of gross product, I_{GO} is a benchmark-years-weighted quantity index of gross output, I_{II} is a benchmark-years-weighted quantity index of intermediate input, and θ_1 and θ_2 are the average current-dollar shares of gross output accounted for by intermediate inputs and value added. Use of this relationship provides a close approximation to a benchmark-years-weighted quantity index.

annual increases of more than 5 percent. (See the box on page 43 for more information about changes in the SIC.)

For 1977–82, a period that starts in the middle of an expansion and ends at the trough of a recession, real GDP increased at an average annual rate of 1.7 percent. Except for mining and construction, all of the major industry groups increased.

For 1982–90, a period that starts from a recession trough and ends at the peak of an expansion, real GDP increased at a 3.4-percent rate. All of the major industry groups increased. Particularly strong recoveries were recorded in manufacturing, which increased 3.6 percent in 1982–90 after a 0.2-percent increase in 1977–82, and in retail trade, which increased 4.5 percent after a 1.2-percent increase.

GPO shares

Table 2 shows current- and constant-dollar shares—the percentage of GDP accounted for by a particular industry or industry group—for 1977, 1982, 1987, and 1990. The constant-dollar shares for 1977 and 1982 were calculated using the "approximation B" method of estimating constant-dollar GDP and constant-dollar manufacturing GPO (see the box on page 36). The constant-dollar shares for 1987 were calculated from the current-dollar estimates shown on the 1987 SIC basis in table 9, and the shares for 1990 were calculated from the 1987-dollar estimates shown in table 12.

Current-dollar shares measure the relative size of an industry at a point in time. In 1990, the largest share of GDP was accounted for by services

The Measurement of the Change in Real GPO by Industry—Continued

Text continues from the preceding page.

must be addressed in somewhat different ways. (One should note that if the question is simply the relative size of manufacturing at a point in time, the current-dollar share provides the answer.)

With the traditional fixed-weighted measures, the question of whether manufacturing is becoming a larger or smaller part of the total economy could be answered either by comparing growth rates in real manufacturing GPO with those in real GDP or by calculating the change in the constant-dollar share of manufacturing GPO in GDP. The following example (in which the manufacturing share is increasing) illustrates that the two approaches are equivalent.

[Percent]

Period	Real GDP	Real manufacturing GPO	"Constant-dollar" share
1	100	20	20.0
2	110	23	20.9
Percent change	10.0	15.0	4.5

The constant-dollar share of manufacturing increases 4.5 percent—from 20.0 percent to 20.9 percent of total GDP. The same result may be obtained directly from the changes in manufacturing GPO and GDP by stating them as ratios of the period 2 values to the period 1 values as follows: $(1.15/1.10)\times 100-100=4.5\%$.

It is sometimes not appreciated that the use of constant-dollar shares relies on a unique property of fixed-weighted indexes: Only with fixed-weighted indexes can real GDP be expressed as the sum of real GDP components. Because benchmark-years-weighted indexes do not share this "additive" property, one cannot convert these indexes into dollar values and then compute time series of shares of real GDP that add up precisely.

The simplest way to use the benchmark-years-weighted indexes to answer the question is to compare growth rates, but it is also possible to calculate approximations of the manufacturing share. Exhibit 2 shows two such approximations. Approximation A is calculated by extrapolating forward and backward the 1982 levels of current-dollar manufacturing GPO and GDP using the benchmark-years-weighted indexes. Approximation B is calculated in the same way except that the extrapolations are from the 1987 current-dollar levels. Approximations calculated in this way will not produce shares that add up precisely to 100 percent, but the approximation error will usually be small when the calculations do not extend far from the base year. It should be noted that a difference in the levels of approximations A and B does not indicate a change in the real manufacturing share; it reflects the change in the relative price structure of manufacturing from 1982 to 1987.

Shares for all industries calculated using approximation B for manufacturing and for GDP and fixed-weighted measures for the nonmanufacturing industries are shown in table 2 of the article. The sum of the industry shares is 1.6 percent larger than the GDP approximation in 1977, and it is 0.3 percent larger in 1982; these differences are included in "percentage not allocated by industry" in the table. BEA plans to further explore the properties of various approximations in the future.

Exhibit 2.—Approximations of Manufacturing Share of Real GDP

	1977	1982	1987
	Extrapolated levels of real manufacturing GPO and GDP		
Approximation A (1982 dollars):			
Manufacturing GPO	640.1	647.5	820.7
Gross domestic product	2,889.4	3,149.6	3,827.0
Approximation B (1987 dollars):			
Manufacturing GPO	685.2	693.1	878.4
Gross domestic product	3,427.6	3,736.3	4,539.9
	Manufacturing share (percent)		
Approximation A	22.2	20.6	21.4
Approximation B	20.0	18.6	19.3

NOTE.—Approximation A is obtained by extrapolating 1982 current-dollar levels with benchmark-years-weighted indexes of real manufacturing GPO and GDP. Approximation B is obtained by extrapolating 1987 current-dollar levels.

GPO Gross product originating
GDP Gross domestic product

(18.9 percent), followed closely by manufacturing (18.4 percent) and FIRE (17.7 percent). In FIRE, about one-half of the share was accounted for by the nonfarm housing services industry; the GPO of this industry arises from the NIPA treatment of homeownership, in which owner-occupants are treated as landlords who rent their houses to themselves.

Changes in constant-dollar shares measure whether an industry is becoming a larger or smaller part of the total economy. From 1977 to 1990, the share of GDP accounted for by the services industry increased the most. Among the other industry groups, the shares of both wholesale and retail trade, of FIRE, and of transportation and public utilities also increased. The shares of mining, construction, manufacturing, and government fell; the government share fell the most.

Revisions in Current- and Constant-Dollar GPO

Current-dollar revisions

The pattern of the revisions in current-dollar GPO by industry largely reflected the pattern of the most recent NIPA revisions in GDP and in gross domestic income.[3] Most of the revisions in the major industry groups were small for 1977, but a number were substantial for 1989 (table 3). For 1989, the largest upward revisions were in manufacturing, $38.6 billion, and in FIRE, $29.8 billion. In manufacturing, the revisions were in both durable goods and nondurable goods; in FIRE, they were mainly in the combination of depository and nondepository institutions. The largest downward revision was in services, $21.7 billion; it was mainly in the combination of business services, miscellaneous professional services, and "other services."

Constant-dollar revisions

For 1977–89, the constant-dollar revisions did not greatly alter the picture of growth by industry that had been shown by the previously published estimates (table 4). Among the major industry groups, wholesale trade remained the fastest growing group. Mining, which was the only group to decrease in the previously published estimates, showed no change in the revised estimates; the revision largely resulted from a substantial upward revision in metal mining. The growth rate for manufacturing was revised down from 2.8 percent to 2.6 percent. (For a discus-

3. The 1991 comprehensive revision raised current-dollar GDP for 1977–88, and both the comprehensive revision and the 1992 annual revision raised current-dollar GDP for 1989. As shown in table 3, the revision in the level of GDP ranged from $9.0 billion for 1977 to $87.6 billion for 1989. Gross domestic income, which is GDP less the statistical discrepancy, had a somewhat different revision pattern. For 1977, gross domestic income was revised down $1.9 billion, and for 1989, it was revised up $69.5 billion.

Table 3.—Revisions in Gross Domestic Product by Industry Group in Current Dollars, Selected Years

[Billions of dollars]

	1977			1982			1987			1989		
	Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision
Gross domestic product	**1,965.1**	**1,974.1**	**9.0**	**3,114.8**	**3,149.6**	**34.8**	**4,486.7**	**4,539.9**	**53.2**	**5,163.2**	**5,250.8**	**87.6**
Agriculture, forestry, and fisheries	58.9	54.4	–4.5	89.6	77.0	–12.6	100.7	88.5	–12.2	113.5	104.8	–8.7
Mining	50.2	54.1	3.9	132.1	146.1	14.0	76.8	83.0	6.2	80.3	84.2	3.9
Construction	97.9	93.9	–4.0	140.9	129.4	–11.5	219.2	213.0	–6.2	247.7	235.9	–11.8
Manufacturing	465.3	466.8	1.5	634.6	647.5	12.9	875.5	878.4	2.9	966.0	1,004.6	38.6
Durable goods	277.7	277.7	0	362.5	372.9	10.4	499.9	503.2	3.3	541.0	562.6	21.6
Nondurable goods	187.7	189.1	1.4	272.1	274.6	2.5	375.7	375.2	–.5	425.0	442.0	17.0
Transportation and public utilities	178.9	179.2	.3	288.4	292.1	3.7	413.9	419.9	6.0	460.9	463.3	2.4
Transportation	77.0	76.3	–.7	110.8	108.9	–1.9	153.9	152.8	–1.1	171.5	168.9	–2.6
Communications	48.8	50.0	1.2	85.6	88.6	3.0	122.8	127.6	4.8	133.7	139.9	6.2
Electric, gas, and sanitary services	53.1	52.9	–.2	92.0	94.7	2.7	137.2	139.5	2.3	155.6	154.5	–1.1
Wholesale trade	139.8	137.9	–1.9	219.0	216.5	–2.5	294.8	302.6	7.8	339.5	351.6	12.1
Retail trade	193.0	190.4	–2.6	287.5	286.6	–.9	426.4	440.1	13.7	486.0	502.5	16.5
Finance, insurance, and real estate	280.3	283.6	3.3	475.1	503.9	28.8	761.6	809.9	48.3	896.7	926.5	29.8
Services	253.4	255.7	2.3	463.6	469.8	6.2	793.6	784.0	–9.6	970.5	948.8	–21.7
Government	247.4	247.1	–.3	383.9	388.0	4.1	534.8	545.3	10.5	619.3	627.6	8.3
Statistical discrepancy [1]	0	10.9	10.9	–.1	–7.4	–7.3	–10.6	–24.8	–14.2	–17.0	1.1	18.1

1. Equals GDP measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production.

NOTE.—In this table, revised estimates for 1987 and previously published estimates for 1987 and 1989 are based on the 1972 Standard Industrial Classification (SIC); revised estimates for 1989 are based on the 1987 SIC.

sion of the computation of the growth rate for manufacturing, see the box on page 36.)

By detailed industry, the revisions reversed the direction of change for four industries: In textile mill products, a decrease of 0.4 percent was revised to a 2.3-percent increase; and in local and interurban passenger transit, in pipelines except natural gas, and in private households, small increases were revised to small decreases. The largest upward revisions—those of 2 percentage points or more—were in metal mining, in textile mill products, and in water transportation; the largest downward revisions were in tobacco manufactures and in security and commodity brokers.

To an unknown, but likely small, extent, the revisions in the GPO of nonmanufacturing industries also reflected the effect of the shift in the base period from 1982 to 1987. Although a direct estimate of the effect on nonmanufacturing is not available, it can be approximated by calculating what the effects would be on GDP and on manufacturing GPO. (The shift did not affect the manufacturing industries or GDP, because their revised growth rates are calculated using the benchmark-years-weighted measures.) For 1977–89, the shift in the base period would lower the growth rate of GDP by about 0.2 percentage point and of manufacturing GPO by about 1.1 percentage points. Because manufacturing GPO accounts for about one-fifth of GDP, it can be assumed that the impact of the shift on the revised estimates of GPO for nonmanufacturing industries was small.

Sources of the Revisions

Revisions in the changes in GPO arise from the incorporation of the revisions that were made in the most recent comprehensive and annual NIPA revisions and from the incorporation of statistical changes affecting the preparation of the GPO estimates.

NIPA revisions

The comprehensive—or benchmark—revision released in December 1991 involved definitional, statistical, and other changes that affected the GPO estimates for 1977–89. Several of these changes are described in the following paragraphs. The annual revision released in July 1992 also affected the GPO estimates for 1989.[4]

The replacement of gross national product (GNP) with GDP as the featured measure of production resulted in the elimination from the GPO tables of the "rest-of-the-world" industry, which

4. See "The Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes," SURVEY 71 (December 1991): 24–42 and "Annual Revision of the U.S. National Income and Product Accounts," SURVEY 72 (July 1992): 6–45.

Table 4.—Revisions in Average Annual Rates of Change of Real Gross Domestic Product by Industry Group, Selected Years [1]

[Percent]

	1977–89			1977–82			1982–87			1987–89		
	Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision
Gross domestic product	**2.8**	**2.9**	**0.1**	**1.3**	**1.7**	**0.4**	**4.2**	**4.0**	**–0.2**	**3.4**	**3.2**	**–0.2**
Agriculture, forestry, and fisheries	2.7	2.7	0	4.1	2.8	–1.3	3.2	3.8	.6	–2.2	–.3	1.9
Mining	–1.1	0	1.1	–1.9	–2.6	–.7	–.7	2.6	3.3	–.1	.4	.5
Construction	1.1	.9	–.2	–2.2	–2.9	–.7	4.7	5.3	.6	.4	0	–.4
Manufacturing	2.8	2.6	–.2	–.9	.2	1.1	6.1	4.9	–1.2	4.4	3.1	–1.3
Durable goods	3.1	2.9	–.2	–2.1	–.3	1.8	7.3	5.8	–1.5	6.4	4.0	–2.4
Nondurable goods	2.3	2.2	–.1	.8	1.0	.2	4.3	3.6	–.7	1.3	1.8	.5
Transportation and public utilities	3.3	2.9	–.4	1.2	1.1	–.1	5.2	4.9	–.3	4.1	2.7	–1.4
Transportation	2.8	2.3	–.5	–.2	–.3	–.1	6.2	5.8	–.4	2.1	.7	–1.4
Communications	5.1	5.2	.1	7.3	6.6	–.7	3.6	4.8	1.2	3.5	3.1	–.4
Electric, gas, and sanitary services	2.7	1.8	–.9	–1.5	–1.5	0	5.4	4.0	–1.4	7.0	4.6	–2.4
Wholesale trade	5.3	5.7	.4	6.1	5.1	–1.0	5.4	6.8	1.4	3.5	4.2	.7
Retail trade	3.6	3.6	0	1.2	1.2	0	5.3	5.5	.2	5.3	4.6	–.7
Finance, insurance, and real estate	3.1	3.2	.1	2.6	3.5	.9	3.4	2.7	–.7	3.8	3.6	–.2
Services	4.2	3.8	–.4	3.0	3.1	.1	5.0	4.5	–.5	4.9	4.0	–.9
Government	1.4	1.5	.1	1.1	1.3	.2	1.6	1.5	–.1	1.8	2.0	.2

1. For the previously published estimates, changes in GDP and in all industry groups are calculated using fixed 1982 weighted measures. For the revised estimates, changes in GDP and in manufacturing are calculated using benchmark-years-weighted measures for 1977 and 1982. For 1987–89, the revised changes in GDP and in all industry groups are calculated using the fixed 1987 weighted measures. The revised changes for 1977–89 in GDP and manufacturing are calculated using the combination of the two measures. See the box on page 36 for additional information.

measured the net receipts of factor incomes from the rest of the world.

Alternative measures of output were introduced that are more appropriate than the fixed-weighted measure for the long-term analysis of GDP; the benchmark-years-weighted alternative was used in calculating the changes in real GDP and in manufacturing GPO for 1977–87.

The 1987 Standard Industrial Classification (SIC) was incorporated, beginning with the estimates for 1987. As explained in the box on page 43, this change resulted in discontinuities in several of the detailed industry series; it had little or no effect on GPO for the major industry groups.

Among the changes in NIPA methodology, the new method used to estimate the imputed rental value of farm dwellings reduced farm GPO. The improved estimates of rental expenses for nonfarm dwellings increased nonfarm housing services GPO. Improved adjustments for misreporting on tax returns significantly reduced the GPO of personal services, business services, and "other services." Other changes that affected the gross output estimates used in the double-deflation method of estimating GPO included the following: Revised estimates of petroleum and natural gas exploration, which are used for the oil and gas extraction industry; revised estimates of new nonresidential construction, which are used for the construction industry; and revised estimates of consumer expenditures, which are used for several financial and service industries.

The definitional and classificational changes that were made in the comprehensive revision had only small effects on the GPO estimates. The reclassification of nine government agencies increased the GPO of government enterprises for most years.

Statistical changes in the GPO estimates

This section focuses on the major statistical changes incorporated into the revised estimates of GPO. The next section of this article describes the complete methodology used to prepare the revised estimates.

For the current-dollar GPO estimates, a newly available Census Bureau employment matrix that converts the NIPA industry estimates of corporate profits and capital consumption allowances from a company-industry basis to an establishment-industry basis was introduced. The new matrix is based on data reported in the 1982 Economic Censuses and covers all private nonfarm industries except railroads and private households. The matrix used for the previously published estimates was for 1972 and covered only mining, construction, manufacturing, trade, and selected services industries; the estimates for the other industries were mainly based on company-industry data. Beginning with 1982, the estimates are based on the 1982 matrix; estimates for earlier years are based on averages from both the 1972 and 1982 matrices.

For the constant-dollar GPO estimates, the revisions largely stem from revisions in the current-dollar GPO estimates, from changes in the methods used to estimate constant-dollar GPO, from the shift in the base period from 1982 to 1987 for nonmanufacturing industries, from changes in the prices used to estimate gross outputs and intermediate inputs, and from changes in the methods for estimating the composition of inputs.

For two of the detailed industries, the method used to calculate the constant-dollar GPO estimates was changed. For motion pictures, the double-deflation method using a gross output series developed from the Census Bureau's service annual survey and the 1977, 1982, and 1987 Censuses of Service Industries, replaced the extrapolation method. For water transportation, an extrapolation method using persons engaged in production replaced the double-deflation method; an evaluation based on newly available data from the 1987 Census of Transportation showed that the quantity measures used to estimate the previously used gross output series were not representative of all activities of the industry.

Several changes were made in the estimation of gross output. Manufacturing gross output is now benchmarked to the 1977, 1982, and 1987 input-output tables; as a result, it includes the margin on resales and an adjustment for misreporting of receipts. Previously, it had included the total value of resales and excluded the adjustment. For all industries, force-account construction was allocated from the construction industry to the industry whose employees performed the construction. In addition, construction output was improved by the inclusion of receipts of construction establishments for nonconstruction activities. Gross output for security and commodity brokers was revised to incorporate improved estimates of the adjustments to remove interest and capital gains income. Mining gross output now incorporates shipments data from the 1987 Census of Mineral Industries and revised shipments data for 1988 and 1989 from the Bureau of Mines.

Finally, estimates for 1988 and 1989 are based on the 1987 SIC instead of the 1972 SIC.

New and improved estimates of the composition of inputs were incorporated for most double-deflated industries. The revised estimates incorporate the input composition from the 1982 benchmark I-O table and an adjusted 1987 annual I-O table (which is an update of the 1982 table) that incorporates purchases data from the 1987 Economic Censuses and the 1987 Assets and Expenditures Surveys.[5] (Estimates for 1987 were prepared using both the 1972 SIC and the 1987 SIC.) Revised estimates for 1978–81 and for 1983–86 are primarily interpolations based on the 1977, 1982, and 1987 compositions. The composition for 1988–90 is generally assumed to be the same as 1987 using the 1987 SIC. Improvements also were made in the estimates of the share of inputs accounted for by imports by incorporating information from the 1982 and 1987 I-O tables. In the previous estimates, the composition for 1981–85 was based on the annual I-O tables that were updates of the 1977 benchmark table; estimates for 1978–80 were interpolations of the 1977 and 1981 composition; and estimates for 1986–89 were generally assumed to be the same as the composition of 1985.

Methodology for GPO Estimates

This section describes the methodology—that is, the source data and estimating procedures—used to prepare the revised GPO estimates. Changes in methodology from the previously published estimates were reviewed in the preceding section.

Current-dollar estimates

As noted in the box "Gross Product Originating: Definition and Relationship to Gross Domestic Product," on page 33, the current-dollar GPO estimates are prepared as the sum of distributions by industry of the components of gross domestic income. This section describes the methodology for distributing the current-dollar estimates of these components on an establishment-industry basis.

For most components of gross domestic income, the estimates are based on source data that provide industry distributions, either company-industry or establishment-industry. Only the estimates with distributions based on establishment-industry data can be used directly to calculate industry GPO. For those components that are estimated on the basis of Internal Revenue Service (IRS) tabulations of business tax returns, which have company-industry distributions, the industry distributions may need to be converted to an establishment-industry basis. This conversion is designed to recognize that large multiestablishment companies typically own establishments that are classified in different Standard Industrial Classification (SIC) industries, and industrial distributions of the same component for companies and establishments can be significantly different. (See the box on page 43 for information about the 1987 SIC.) For the components of gross domestic income for which the source data provide no industry distribution, BEA has developed establishment-industry distributions from related sources. Table 5 shows the major source data for each component of gross domestic income, the availability and type of industrial distribution in the source data, and the data or assumptions used, when necessary, to develop establishment-industry distributions.[6]

For the noncorporate parts of components that are estimated on the basis of the IRS tabulations, BEA assumes that company-industry and establishment-industry distributions are equivalent, because noncorporate businesses typically operate only one establishment. For corporate profits and corporate capital consumption allowances, BEA converts the company-industry distributions to establishment-industry distributions using the methodology described in the next paragraph. For corporate net interest, there is no adequate conceptual basis for the conversion, so conversion is not attempted. For the corporate part of other labor income, BEA has developed establishment-industry distributions based primarily on data from the quinquennial economic censuses. For corporate business transfer payments, mainly charitable contributions, BEA assumes that company-industry and establishment-industry distributions are equivalent.

The methodology used to convert corporate profits before tax and capital consumption allowances is based primarily on special Census Bureau tabulations of the employment of establishments of corporations. These "matri-

5. The 1982 table was presented in "Benchmark Input-Output Accounts for the U.S. Economy, 1982," SURVEY 71 (July 1991): 30–71; the 1987 table in "Annual Input-Output Accounts of the U.S. Economy, 1987," SURVEY 72 (April 1992): 55–71.

6. For additional information about the methodology used for income components, see "Annual Revision of the U.S. National Income and Product Accounts," SURVEY 72 (July 1992): 33–36.

ces" present employment of these establishments cross-classified by (1) the company-industry classification assigned by IRS in preparing the tabulations of corporate tax returns and (2) the establishment-industry classification assigned by the Census Bureau in the economic censuses. For the estimates for 1982 forward, the conversion is based on a matrix of establishment employment from the 1982 Economic Censuses that covers all nonfarm industries except railroads and private households. For earlier years, the conversion is based both on the 1982 matrix and on a 1972 matrix that covered only mining, construction, manufacturing, trade, and selected services industries. For all years, information from Department of Energy tabulations of establishment-industry distributions of net income and depreciation of energy companies is used to convert IRS data for integrated petroleum companies. Adjustments to the results of the matrix are made, when necessary, to reflect publicly available information about

Table 5.—Major Sources for Current-Dollar Gross Product Originating by Industry

Component	Major source data	Industrial distribution	
		Distribution available in source data	Data or assumption used if establishment-industry distribution is not available in source data
Compensation of employees:			
Wages and salaries	BLS tabulations of wages and salaries of employees covered by State unemployment insurance and Office of Personnel Management data on wages and salaries of Federal Government employees.	Establishment	
Employer contributions for social insurance	Federal budget data	None	Social Security Administration and BLS tabulations.
Other labor income	Trade association data and IRS tabulations of business tax returns.	None	Census Bureau and IRS tabulations.
Proprietors' income with inventory valuation adjustment:			
Farm	Department of Agriculture farm statistics	Establishment	
Nonfarm:			
Proprietors' income	IRS tabulations of business tax returns	Company	Assumed to be equivalent to an establishment-industry distribution.
Inventory valuation adjustment	BLS prices and Census Bureau inventory data.	Establishment	
Rental income of persons	Census Bureau American Housing Survey, BLS Consumer Expenditures Survey, and IRS tabulations of business and individual tax returns.	Establishment	
Corporate profits with inventory valuation adjustment:			
Corporate profits before tax	IRS tabulations of business tax returns	Company	Census Bureau and Department of Energy data relating company-industry and establishment-industry data.
Inventory valuation adjustment	BLS prices and Census Bureau inventory data.	Establishment	
Net interest:			
Corporate	IRS tabulations of business tax returns	Company	None.
Noncorporate	IRS tabulations of business tax returns	Company	Assumed to be equivalent to an establishment-industry distribution.
Business transfer payments	Trade association data and IRS tabulations of business tax returns.	Company	Industry-specific payments are assigned to those industries; others are based on IRS industry distribution.
Indirect business tax and nontax liability	Federal budget data and Census Bureau data on State and local governments.	None	Industry-specific payments are assigned to those industries; property taxes are based on BEA capital stock distribution.
Subsidies less current surplus of government enterprises.	Federal budget data and Census Bureau data on State and local governments.	Establishment	
Capital consumption allowances:			
Corporate	IRS tabulations of business tax returns	Company	Same as corporate profits before tax.
Noncorporate	IRS tabulations of business tax returns	Company	Assumed to be equivalent to an establishment-industry basis.

BLS Bureau of Labor Statistics
IRS Internal Revenue Service

large mergers, acquisitions, or changes in company diversification that have occurred since 1982.

Constant-dollar estimates: An overview

The constant-dollar GPO estimates are prepared in one of three ways: Double deflation, extrapolation, or direct deflation. The method chosen depends on the availability of source data.

- In the double-deflation method, constant-dollar GPO is derived as the difference between constant-dollar gross output and constant-dollar intermediate inputs. When complete and consistent current-dollar series are available for gross output and for intermediate inputs, these series are deflated, and constant-dollar GPO is measured as the difference between them.[7] In most cases, however, suitable current-dollar intermediate input series are not available; in these cases, intermediate inputs are obtained by deducting current-dollar GPO from current-dollar gross output and then deflating the inputs for use in the calculation of constant-dollar output minus constant-dollar inputs.
- In the extrapolation method, constant-dollar GPO is derived by extrapolating the base-year value of GPO (for which the current-dollar value equals the constant-dollar value) by an indicator series, which usually is the number of persons engaged in production or of hours worked.
- In the direct-deflation method, constant-dollar GPO is derived by deflating current-dollar GPO, usually using gross output prices or earnings.

Generally, double deflation is the conceptually preferred method because it measures GPO in the same way that GPO is defined. Moreover, assuming the availability of appropriate source data, double deflation is preferred because it allows for changes over time in the relationships between gross output and inputs. The extrapolation method will yield the correct results if the rates of change in constant-dollar gross output and inputs are the same. The direct-deflation method will yield the correct results if the deflators for both constant-dollar gross output and inputs are the same.

Double deflation is not the preferred method for the three industries—private households, Federal general government, and State and local general government—for which gross output and GPO are defined as employee compensation. For these industries, the most appropriate method is extrapolation by an indicator of labor input that reflects changes in productivity.

Double deflation was not used for 11 industries for which it is the preferred method, because adequate source data are not available to prepare estimates of current-dollar gross output or of constant-dollar gross output or of both. Extrapolation or direct deflation was used for water

7. In international literature, this is the method usually referred to as "double deflation." That literature is often couched in terms of input-output or production accounts by industry, where gross output and intermediate inputs are displayed. See, for example, United Nations, *Manual on National Accounts at Constant Prices*, Statistical Papers, Series M, No. 64 (New York: United Nations, 1979): 8–11.

Industrial Classification

The distribution of the GPO of private industries is based on the Standard Industrial Classification (SIC), a system that provides a classification for establishments (that is, economic units, generally at a single physical location, where business is conducted or where services or industrial operations are performed). Establishments are classified into an SIC industry on the basis of their principal product or service. Thus, establishment data cover both the principal products included in the SIC and the products of these establishments that are primary to other SIC industries. Industrial distributions for government activities are not provided; separate estimates are shown for the activities of the Federal Government, of State and local governments, and of government enterprises.[1]

The GPO estimates of private industries for 1987 forward are presented on the basis of the 1987 SIC. Estimates for earlier years are presented on the basis of the 1972 SIC; they have not been adjusted to the 1987 SIC because of a lack of adequate source data. To provide a link between the two classifications, the estimates for 1987 are also presented on the basis of the 1972 SIC. (Industry source data for years after 1987 are available only on the 1987 SIC basis.) For the following 1987 SIC industries, there are significant differences between the 1972 SIC and the 1987 SIC at the level of detail that GPO is presented: In manufacturing, electronic and other electrical equipment (SIC 36) and instruments and related products (SIC 38); in communications, telephone and telegraph (SIC 481, 482, and 489) and radio and television (SIC 483 and 484); in FIRE, depository institutions (SIC 60) and nondepository institutions (SIC 61); and in services, business services (SIC 73) and other services (SIC 84, 87, and 89).

1. For additional information on industrial distributions presented in the NIPA's, see U.S. Department of Commerce, Bureau of Economic Analysis, *National Income and Product Accounts of the United States: Volume 2, 1959–88* (Washington, DC: U.S. Government Printing Office, September 1992): M-12.

transportation; transportation services; banking ("depository institutions" in the 1987 SIC); credit agencies other than banks ("nondepository institutions" in the 1987 SIC); real estate other than nonfarm housing services; holding and investment offices; business services; social services and membership organizations; miscellaneous professional services ("other services" in the 1987 SIC); and government enterprises, Federal and State and local. The key source data used in the preparation of GPO for all industries for which double deflation is not used are shown in table 6. For general government and private households, the GPO estimates are those prepared for the national income and product accounts (NIPA's).

The constant-dollar GPO estimates, calculated as described above, are summed, and the result is compared with constant-dollar GDP estimated as the sum of expenditure components. It is BEA's judgment that the expenditures estimates are the more accurate. Thus, when the difference between the total of the GPO industry estimates and

Table 6.—Methods for Estimating Constant-Dollar Gross Product Originating

Industry [1]	Method	Major source data [2]
Agriculture, forestry, and fisheries	Double deflation	
Mining	Double deflation	
Construction	Double deflation	
Manufacturing	Double deflation	
Transportation:		
Railroad transportation	Double deflation	
Local and interurban passenger transit	Double deflation	
Trucking and warehousing	Double deflation	
Water transportation	Extrapolation	BEA persons engaged in production.
Transportation by air	Double deflation	
Pipelines, except natural gas	Double deflation	
Transportation services	Extrapolation	BEA persons engaged in production.
Communications	Double deflation	
Electric, gas, and sanitary services	Double deflation	
Wholesale trade	Double deflation	
Retail trade	Double deflation	
Finance, insurance, and real estate:		
Depository institutions	Extrapolation	BEA persons engaged in production.
Nondepository institutions	Extrapolation	BEA persons engaged in production.
Security and commodity brokers	Double deflation	
Insurance carriers	Double deflation	
Insurance agents and brokers, and service	Double deflation	
Real estate:		
Nonfarm housing services	Double deflation	
Other real estate	Direct deflation	Index of rent for office buildings from trade source and BEA estimates.
Holding and other investment offices	Extrapolation	BEA persons engaged in production.
Services:		
Hotels and other lodging places	Double deflation	
Personal services	Double deflation	
Business services	Extrapolation	BLS employment weighted by Census Bureau receipts.
Auto repair, services, and parking	Double deflation	
Miscellaneous repair services	Double deflation	
Motion pictures	Double deflation	
Amusement and recreation services	Double deflation	
Health services	Double deflation	
Legal services	Double deflation	
Educational services	Double deflation	
Social services and membership organizations	Direct deflation	BEA average wages and salaries per full-time equivalent employee.
Other services	Direct deflation	BEA average wages and salaries per full-time equivalent employee.
Private households	Direct deflation	BLS prices.
Government:		
General government	Extrapolation	BEA hours worked weighted by BEA measures of experience and education.
Government enterprises	Extrapolation	BEA and Census Bureau employment and BLS output indexes.

1. Titles are for the 1987 SIC; methods also apply to comparable industry in the 1972 SIC.
2. Source data provide either a price index for deflation of gross product originating or a quantity extrapolator of base-year value of gross product originating.

BEA Bureau of Economic Analysis
BLS Bureau of Labor Statistics

total GDP—termed the "residual"—is large, the GPO estimates may be adjusted to bring their total closer to GDP. For the estimates presented in this article, no adjustments were made.

Constant-dollar estimates: Double-deflation method

In the GPO estimates, double-deflation is used for most industries, as shown in table 6. Complete and consistent gross output and intermediate inputs series are available for only two industries, farms and nonfarm housing services; for these industries, constant-dollar GPO is measured as the difference between constant-dollar gross output and constant-dollar inputs. (These GPO estimates are those prepared for the NIPA's.) For all other double-deflated industries, only a gross output series consistent with the current-dollar GPO series is available. This section describes the constant-dollar methodology for these industries; the first part of this section discusses gross output estimates for these industries, and the last two parts discuss the estimates of current- and constant-dollar intermediate inputs.

Gross output.—Table 7 provides a summary description of the principal source data used to prepare the gross output estimates. For current-dollar gross output, the table shows the series used to extrapolate or interpolate the benchmark values. For constant-dollar gross output, it shows the price index used to deflate current-dollar gross output or the quantity indicator used to extrapolate the base-year value.

The estimates of gross output are based primarily on gross output as estimated for BEA's 1977 and 1982 benchmark input-output (I-O) tables and on information from the forthcoming 1987 benchmark I-O table. The industry distributions in these I-O tables do not follow the SIC exactly, because some activities are moved, or redefined, to other industries in order to create industries with homogeneous input structures; the changes facilitate analysis with I-O tables. Activities that are moved include both new construction and maintenance and repair construction, which are shifted to the construction industry; service commodities produced at trade establishments, which are shifted to services; and all trade output (margin) from selling goods, which is shifted to trade. For the GPO estimates, I-O output and input estimates were adjusted to follow the SIC.[8]

8. For additional information on I-O classifications, see U.S. Department of Commerce, Bureau of Economic Analysis, *The 1982 Benchmark Input-Output Accounts of the United States* (Washington, DC: U.S. Government Printing Office, December 1991): M-2.

Current-dollar intermediate inputs.—The composition of current-dollar intermediate inputs is derived in four steps:

(1) The input compositions for 1977, 1982, and 1987 are derived from the I-O tables;
(2) The input compositions for 1978–81 and for 1983–86 are estimated by interpolating the detailed compositions from 1977, 1982, and 1987;
(3) The imported and domestically produced shares of each detailed input for 1977–87 are estimated; and
(4) The input compositions for 1988–90 are estimated, primarily based on the 1987 composition.

In the first step, the input compositions for 1977 and 1982 are from benchmark I-O tables, after which they are converted to an SIC basis and aggregated to the GPO industry level of detail. The inputs in the I-O tables are estimated largely from economic census reports on purchased goods and services. Because the 1987 I-O table is an update of the 1982 table, the input composition for 1987 is estimated using an indirect method. (Estimates of inputs from the forthcoming benchmark 1987 I-O table were not available.) In BEA's annual I-O tables, initial estimates of inputs are prepared with the assumption that both constant-dollar gross output and inputs have changed at the same rates since the last benchmark table. These initial estimates are subsequently modified so that the sum of industry inputs and final uses equals the directly measured output of these industries. For the revised GPO estimates, these modified estimates for 1987 were converted to an SIC basis and adjusted to take into account some of the data on purchased goods and services collected in the 1987 Economic Censuses and in the 1987 Assets and Expenditures Surveys. The SIC-converted I-O input estimates for 1977, 1982, and 1987 were scaled to sum to the total intermediate inputs derived as gross output less GPO. In general, the composition was estimated for the approximately 5,000 detailed commodity items used to prepare the I-O tables. This detail is substantially greater than the roughly 550 commodities published for the benchmark tables. The greater detail allows for the use of more detailed prices in calculating constant-dollar inputs.

In the second step, input compositions for 1978–81 and for 1983–86 are derived by interpolating, at the detailed input level, between the 1977 and 1982 estimates and between the 1982 and 1987

estimates. For manufacturing for all years, the cost of purchased materials, of fuels, and of electricity from the annual survey of manufactures were used as interpolator series. For most nonmanufacturing industries for 1978–81, the cost of purchased fuels and of electricity from the National Energy Accounts were used as interpolator series. (These accounts were prepared by the Commerce Department's Office of Business Analysis.) The results of the interpolations for each year were scaled to sum to the total intermediate inputs derived as gross output less GPO.

In the third step, the shares of intermediate inputs accounted for by imports for 1977, 1982, and 1987 are estimated from the detailed commodity items from the corresponding I-O tables, based on the assumption that the proportion of imports used as intermediate inputs to total inputs is the same for all industries using that input. For 1978–81, import shares at the same level of detail are derived by interpolating the 1977 and 1982 shares. For 1983–86, the import shares are derived by using Census Bureau import data together with interpolations of the 1982 and 1987 proportions of imports used as intermediate inputs.

In the fourth step, the 1987 composition of inputs was used as the composition for most industries for 1988–90. However, for three industries—construction, fabricated metal products, and industrial machinery and equipment—the input compositions were adjusted for consistency with the constant-dollar inputs, the estimates of which were derived as described in the next paragraph.

Constant-dollar intermediate inputs.—The constant-dollar estimates of intermediate inputs are prepared by deflating each of the detailed current-dollar inputs, with imports and domestic production being deflated separately. For three industries—construction, fabricated metal products, and industrial machinery and equipment—constant-dollar inputs for 1988–90 were estimated by assuming no change in the constant-dollar relationship in 1987 between inputs and gross output. These exceptions were made because the input compositions for these industries appeared to have changed after 1987 to the extent that use of the 1987 composition would result in significant errors in the estimates of constant-dollar inputs. (In future years, estimates of the composition of inputs for these industries will be incorporated, and these assumptions will be revised.)

Prices for domestically produced intermediate inputs were largely based on the prices used to prepare the constant-dollar estimates of gross output, as shown in table 7. For service prices, additional detail is shown in table 8.

The import prices were developed from a variety of sources. Import prices for energy commodities are based on estimates from the National Energy Accounts and on Department of Energy prices. Import prices for nonenergy mineral industry commodities are based on price data from the Bureau of Mines. Import prices for most other goods are from the Bureau of Labor Statistics (BLS) import price series and are the same as those used for the NIPA estimates of imports. For years before 1981, however, many of the detailed BLS import prices are not available. For those years, estimates primarily reflect rates of change of more aggregate BLS import prices; where aggregate indexes were not available, they reflect rates of change in corresponding domestic prices, based on the producer price indexes.

Tables 7 through 12 follow.

Table 7.—Principal Source Data and Estimating Methods Used in Preparing Estimates of Gross Output for Use in Double Deflation

Industry [1]	Current dollars	Constant dollars
	Extrapolator or interpolator of benchmark values [2]	Price index for deflation or quantity extrapolator of base-year value
Agriculture, forestry, and fisheries:		
Farms	Cash receipts from marketings, inventory change, and other receipts from USDA.	Prices received by farmers from USDA.
Agricultural services, forestry, and fisheries:		
Agricultural services	Receipts for agricultural services, forestry, and fisheries from IRS tabulations of business tax returns less gross output of forestry and fisheries.	Index of selected prices paid by farmers from USDA.
Forestry	Shipments of logging camps and contractors from Census Bureau quinquennial census and annual survey.	PPI's.
Fisheries	Value of fish landed from NOAA	Fish landed from NOAA.
Mining:		
Metal mining	Physical quantity produced times average price: For uranium, physical quantity and average price from DOE; for all others, quantities and prices from BOM.	Quantity produced from BOM.
Coal mining	Physical quantity produced times average price, both from DOE	Quantity produced from DOE.
Oil and gas extraction:		
Oil and gas extraction	Physical quantity produced times average price, both from NEA's through 1985 and from DOE for 1986 forward.	Quantity produced from NEA's and DOE.
Oil and gas field services	Petroleum and natural gas well drilling and exploration: Footage drilled and cost per foot from trade sources.	Footage drilled from trade source.
Nonmetallic minerals, except fuels	Physical quantity produced times average price, both from BOM	Quantity produced from BOM.
Construction:		
For the Department of Defense	Expenditures from DOD	For most military construction, BEA indexes based on DOD prices; for other construction, cost indexes from trade sources and government agencies.
For State and local highways	Expenditures from Census Bureau annual survey of government spending.	For new construction, cost indexes from government agencies; for maintenance and repair, CPI for home maintenance and repair services.
For private electric and gas utilities	Expenditures from Federal regulatory agencies and trade source	Cost indexes from trade sources and government agencies.
For farms, excluding residential	Expenditures from USDA	Cost index from trade source and price deflator for new single-family houses under construction from Census Bureau.
For other nonresidential:		
New construction	Value put in place from Census Bureau construction survey	Cost indexes from trade sources and government agencies and price deflator for new single-family houses under construction from Census Bureau.
Maintenance and repair	Value put in place from Census Bureau construction survey	CPI for home maintenance and repair services.
For other residential:		
New construction	Value put in place from Census Bureau construction survey	Price deflator of new single-family houses under construction from Census Bureau.
Maintenance and repair	Expenditures by owner-occupants from BLS survey and by landlords from Census Bureau survey.	CPI for home maintenance and repair services.
Manufacturing	Shipments and inventory change from Census Bureau annual survey.	PPI's, BEA computer price index, and BEA price indexes based on DOD prices paid for military equipment.
Transportation:		
Railroad transportation	Total operating revenue for Class I railroads and AMTRAK	Composite index of IPD for Class I freight, from revenue ton-miles from trade source, and of IPD for AMTRAK passenger, from passenger miles from NRPC.
Local and interurban passenger transit:		
Taxicabs	PCE	CPI for taxi fares.
Intercity buses	Operating revenues from trade source	Passenger miles from ICC and trade source.
School buses	Wages and salaries from BLS	Employment from BLS.
Other local transit	Operating revenues of private local transit systems from trade source.	Passenger trips from trade source.
Trucking and warehousing	For 1977-83, operating revenues for Class I motor carriers of property from ICC; for 1984 forward, Census Bureau annual survey.	Ton-miles from DOT.
Transportation by air	Operating revenues of air carriers and of Federal Express from DOT and public sources.	For passenger, revenue passenger miles for domestic and for international travel from DOT. For freight and mail, ton-miles for domestic and international freight and for domestic and international mail from DOT. For all other, composite index of IPD for passenger, freight, and mail.
Pipelines, except natural gas	Operating revenues from trade source	Ton-miles from trade source.
Communications:		
Radio and television broadcasting	Advertising expenditures from trade source; PCE for cable television.	For advertising, cost indexes from trade source. For cable television, CPI for cable television.
Telephone and telegraph	Revenues from FCC	PPI's.
Electric, gas, and sanitary services:		
Electric utilities	For private utilities, revenues from DOE. For rural cooperatives, revenues from USDA.	Kilowatt hours from trade source.
Gas utilities	Revenues of gas pipeline and utilities from trade source	BTU's from trade source.
Sanitary services	Receipts from IRS tabulations of business tax returns	CPI for water and sewerage maintenance.

Table 7.—Principal Source Data and Estimating Methods Used in Preparing Estimates of Gross Output for Use in Double Deflation—Continued

Industry [1]	Current dollars	Constant dollars
	Extrapolator or interpolator of benchmark values [2]	Price index for deflation or quantity extrapolator of base-year value
Wholesale trade:		
Merchant wholesalers	Ratio of gross margin to sales (margin rate) times sales: For 1977-82, margin rate from quinquennial census and sales from Census Bureau annual survey; for 1983 forward, both from annual survey.	Sales deflated by PPI's.
Manufacturers' sales branches and sales offices.	For equipment rental, interpolation of quinquennial census receipts; for 1988 forward, judgmental trend. For other receipts, manufacturing shipments from Census Bureau annual survey.	For equipment rental, IPD from BEA capital stock statistics For other receipts, shipments deflated by PPI's.
Agents and brokers	Merchant wholesalers margin rate times sales: For 1977-82, margin rate from quinquennial census and sales from Census Bureau annual survey; for 1983 forward, both from annual survey.	Merchant wholesalers sales deflated by PPI's.
Retail trade:		
Eating and drinking places	Sales from quinquennial census and from Census Bureau annual survey.	CPI's.
Other	Ratio of gross margin to sales (margin rate) times sales: For 1977-82, margin rate from quinquennial census and sales from Census Bureau annual survey; for 1983 forward, both from annual survey.	Sales deflated by CPI's.
Finance, insurance, and real estate:		
Security and commodity brokers	Securities commissions, revenue from sale of investment company securities, profits on underwriting/selling, gains on trading accounts and other revenues excluding interest, and revenues earned by exchanges; receipt items from SEC and interest from SEC and BEA.	For securities commissions, number of public securities orders from SEC and trade sources; for mutual funds, IPD for securities commissions; for underwriting, new securities registrations from SEC and trade sources; for other revenue for 1977-87, BEA price from trade source data on merger and acquisition fees; for all others, IPD for GDP.
Insurance carriers	Net premiums for health, auto, accident, property, and workers' compensation insurance from trade sources; PCE for expense of handling life insurance.	For health and life insurance, IPD's for PCE. For all others, composite index of BEA IPD for workers' compensation and CPI for auto and property insurance.
Insurance agents and brokers, and services.	Receipts from IRS tabulations of business tax returns	Insurance carrier deflators weighted by commissions from trade source.
Real estate:		
Nonfarm housing services	PCE for owner- and tenant-occupied nonfarm dwellings	IPD for PCE.
Services:		
Hotels and other lodging places	Receipts from Census Bureau quinquennial census and annual survey.	Room-rate index from trade source.
Personal services	Receipts from Census Bureau quinquennial census and annual survey.	CPI's.
Automotive repair, services, and parking.	Receipts from Census Bureau quinquennial census and annual survey.	CPI's.
Miscellaneous repair services	Receipts from Census Bureau quinquennial census and annual survey.	CPI's and average annual earnings from BLS.
Motion pictures	Receipts from Census Bureau quinquennial census and annual survey.	CPI for admissions.
Amusement and recreation services	Receipts from Census Bureau quinquennial census and annual survey.	CPI's.
Health services:		
Hospitals	Receipts from trade sources	HCFA index of input prices and CPI for hospital room.
Other health services	Receipts from Census Bureau quinquennial census and annual survey.	CPI's and HCFA index of input prices.
Legal services	Receipts from Census Bureau quinquennial census and annual survey.	CPI for legal services.
Educational services	PCE for private education	IPD for PCE.

1. Source data and estimating methods apply to both the 1972 SIC and 1987 SIC definition of the industries shown in this table. Industry titles are 1987 SIC titles.

2. Benchmark values are derived from 1977, 1982, and 1987 input-output tables.

BEA	Bureau of Economic Analysis (DOC)	DOT	U.S. Department of Transportation	NEA	National Energy Accounts (DOC, Office of Business Analysis)
BLS	Bureau of Labor Statistics	EIA	Energy Information Administration (DOE)	NOAA	National Oceanic and Atmospheric Administration (DOC)
BOM	Bureau of Mines	FCC	Federal Communications Commission	NRPC	National Railroad Passenger Corporation
CPI	Consumer Price Index (BLS)	HFCA	Health Care Financing Administration	PCE	Personal consumption expenditures
DOC	U.S. Department of Commerce	ICC	Interstate Commerce Commission	PPI	Producer Price Index (BLS)
DOD	U.S. Department of Defense	IPD	Implicit price deflator	SEC	Securities and Exchange Commission
DOE	U.S. Department of Energy	IRS	Internal Revenue Service	USDA	U.S. Department of Agriculture

Table 8.—Principal Sources of Service Input Prices

Service input [1]	Source [2]
Agricultural services	IPD for agricultural services gross output.
Railroad transportation:	
Dining car receipts, business travel	CPI for food away from home.
Rail freight transportation	IPD for freight gross output.
Other railroad services	IPD for freight gross output.
Local and interurban passenger transit:	
Services from local private transit systems	IPD for local transit system gross output.
Taxicabs	CPI for taxi fares.
Other	IPD for intercity buses gross output.
Trucking and warehousing	IPD for trucking and warehousing gross output.
Water transportation	PPI's for water transportation.
Transportation by air:	
Domestic passenger	IPD for domestic passenger gross output.
International passenger	IPD for international passenger gross output.
Freight and express	IPD for freight and express gross output.
Other air services	IPD for transportation by air.
Pipelines, except natural gas	IPD for pipelines, except natural gas gross output.
Transportation services:	
Private carline services	IPD for boxcar rental.
Other	IPD for transportation services gross output.
Telephone and telegraph:	
Telephone	IPD for telephone gross output.
Telegraph services	PPI for telephone services.
Radio and television broadcasting	IPD for radio and television broadcasting gross output.
Electric, gas, and sanitary services:	
Electric utilities	PPI for electric power.
Gas pipeline	IPD for gas pipeline gross output.
Gas utilities	IPD for gas utility gross output.
Sanitary services	CPI for water and sewerage maintenance.
Wholesale trade:	
Merchant wholesalers and agents and brokers	IPD for merchant wholesalers and agents and brokers gross output.
Manufacturers' sales offices and sales branches	IPD for manufacturers' sales offices and sales branches gross output.
Retail trade:	
Eating and drinking	IPD for eating and drinking gross output.
Other	IPD for other retail trade gross output.
Depository institutions:	
Imputed service charges	IPD for financial services furnished without payment by commercial banks.
Other	CPI for personal financial services.
Nondepository institutions:	
Imputed service charges	IPD for financial services furnished without payment by savings and loan associations.
Other	CPI for personal financial services.
Security and commodity brokers:	
Securities underwriting	IPD for underwriting gross output.
Securities commissions	IPD for securities commissions gross output.
Services allied with exchange of securities	IPD for security and commodity brokers gross output.
Other services	BEA price index for merger and acquisition fees for 1977-87; IPD for GDP, 1988 forward.
Insurance carriers:	
Automobile insurance	CPI for automobile insurance.
Nonlife insurance services, except automobile	CPI for property and household insurance.
Other	IPD for insurance carrier gross output.
Insurance agents and brokers, and services	IPD for insurance agents and brokers, and services gross output.
Real estate services:	
Nonfarm business rental and property management	Rental rate per square foot from trade source.
Farm rental	IPD for rental value of farm housing PCE.
Rent paid by nonprofits	IPD for capital consumption allowance of nonprofit organizations.
Royalties for oil and gas mining	IPD for oil and gas extraction gross output.
Royalties, except oil and gas mining	IPD for PCE.
Condominium association fees and assessments by cooperatives	CPI for home maintenance and repair services.
Other	IPD for other real estate gross output.
Personal services:	
Funeral and burial expenses	CPI for funeral expenses.
Other	CPI for laundry and dry cleaning.
Business services:	
Advertising	Cost indexes by type of media from trade sources.
Maintenance, cleaning, disinfecting, and exterminating	CPI for home maintenance and repair services.

Table 8.—Principal Sources of Service Input Prices—Continued

Service input [1]	Source [2]
Photofinishing	IPD for film development PCE.
Other business services	IPD for business services gross output.
Auto repair, services, and parking:	
Repairs, tire retreading, parking, and washing	CPI for automobile maintenance and repair.
Other	CPI for other auto-related fees.
Miscellaneous repair services:	
Radio, TV, refrigeration and air conditioning, and electrical and electronic repairs.	CPI for appliance and furniture repairs.
Other	CPI for maintenance and repair.
Motion pictures services	CPI for admissions.
Amusement and recreation services:	
Sports, recreation, and amusements	CPI for other entertainment services; BEA composite index of input prices.
Theatrical, dance, symphony, and spectator sports productions	CPI for admissions.
Health services:	
Physicians services	CPI for physicians.
Other	CPI for other medical professionals.
Legal services	CPI for legal services.
Education services:	
Vocational schools, except high schools	IPD for commercial and vocational schools PCE.
Higher education and related services	IPD for private higher education PCE.
Social services	Average annual earnings from BLS.
Membership organizations:	
Membership organization expenses	BEA composite index of input prices.
Business associations	Average annual earnings from BLS.
Professional organizations	BEA composite index of input prices.
Other services:	
Noncommercial museums and art galleries	IPD for other services gross output.
Accounting, auditing, and bookkeeping services	CPI for personal financial and legal services fees.
Other	IPD for other services gross output.
Government enterprises:	
Postal services	PPI's for seven types of services.
Imported services:	
Rail freight transportation	PPI for railroad freight.
Water transportation, n.e.c.	Charter prices from trade source.
Air transportation fares	BLS import price index for air passenger fares.

1. For this table, services consist of the primary outputs of (1) private businesses in the agricultural services, transportation and public utilities, trade, finance, insurance, and real estate, and services industries as defined by the 1987 Standard Industrial Classification, and (2) similar services provided by government enterprises. Prices for imported services are shown separately at the end of the table if they differ from prices used for corresponding domestic services.

2. Sources of price indexes for gross output IPD's, except for other transportation, other real estate, business services and for other services, are shown in table 4. The IPD's for the gross output for these two industries were estimated from the IPD's for GPO for these industries and from information on inputs from the input-output tables.

BEA	Bureau of Economic Analysis
BLS	Bureau of Labor Statistics
CPI	Consumer Price Index
GDP	Gross domestic product
GPO	Gross product originating
IPD	Implicit price deflator
PCE	Personal consumption expenditures
PPI	Producer Price Index

Table 9.—Gross Domestic Product by Industry in Current Dollars

[Billions of dollars]

	Line	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987*	1987*	1988	1989	1990
Gross domestic product	1	**1,974.1**	**2,232.7**	**2,488.6**	**2,708.0**	**3,030.6**	**3,149.6**	**3,405.0**	**3,777.2**	**4,038.7**	**4,268.6**	**4,539.9**	**4,539.9**	**4,900.4**	**5,250.8**	**5,522.2**
Private industries	2	**1,716.1**	**1,954.6**	**2,180.9**	**2,370.2**	**2,661.7**	**2,769.0**	**2,979.9**	**3,340.4**	**3,570.8**	**3,755.3**	**4,019.4**	**4,019.4**	**4,344.0**	**4,622.2**	**4,842.7**
Agriculture, forestry, and fisheries	3	**54.4**	**63.3**	**74.6**	**66.7**	**81.1**	**77.0**	**62.7**	**83.7**	**84.3**	**81.7**	**88.5**	**88.5**	**90.8**	**104.8**	**111.3**
Farms	4	47.2	54.7	64.5	56.1	69.9	65.1	49.2	68.5	67.1	62.9	66.0	66.0	67.6	81.1	85.0
Agricultural services, forestry, and fisheries	5	7.2	8.6	10.1	10.6	11.2	11.9	13.6	15.2	17.2	18.8	22.5	22.5	23.2	23.7	26.3
Mining	6	**54.1**	**61.4**	**71.2**	**112.6**	**148.1**	**146.1**	**127.9**	**137.1**	**130.6**	**82.7**	**83.0**	**83.0**	**87.9**	**84.2**	**98.5**
Metal mining	7	2.2	2.6	3.8	4.4	4.4	3.2	3.3	3.2	2.5	2.5	2.6	2.6	4.8	5.2	5.6
Coal mining	8	10.3	10.9	12.2	13.6	14.6	16.0	13.4	14.6	13.8	14.0	12.5	12.5	12.5	12.9	13.3
Oil and gas extraction	9	38.0	43.5	50.3	89.1	124.0	122.6	106.3	113.0	108.4	59.5	60.8	60.8	63.2	58.8	71.8
Nonmetallic minerals, except fuels	10	3.6	4.4	4.8	5.5	5.0	4.3	4.9	6.2	5.9	6.7	7.2	7.2	7.3	7.4	7.8
Construction	11	**93.9**	**110.7**	**124.8**	**128.7**	**129.4**	**129.4**	**137.9**	**161.2**	**179.2**	**201.9**	**213.0**	**213.0**	**227.6**	**235.9**	**241.3**
Manufacturing	12	**466.8**	**521.9**	**575.7**	**588.3**	**653.0**	**647.5**	**693.3**	**773.9**	**798.5**	**829.3**	**878.4**	**877.8**	**961.0**	**1,004.6**	**1,018.3**
Durable goods	13	277.7	317.5	343.8	348.9	385.3	372.9	396.0	461.2	471.5	480.0	503.2	501.9	541.1	562.6	563.4
Lumber and wood products	14	16.3	19.6	21.6	19.2	17.4	16.5	21.4	24.1	23.6	26.6	31.0	31.3	31.6	32.6	31.6
Furniture and fixtures	15	6.5	7.5	7.5	8.4	9.2	9.3	10.7	12.1	13.6	14.2	15.2	15.2	15.7	16.5	16.0
Stone, clay, and glass products	16	15.0	17.4	18.7	18.0	17.9	15.7	19.1	22.2	23.7	26.3	24.8	24.0	24.3	25.1	25.1
Primary metal industries	17	33.4	40.5	45.0	44.2	49.4	36.5	32.4	39.3	35.7	36.9	36.3	36.3	43.3	45.7	43.4
Fabricated metal products	18	35.2	39.3	44.0	45.4	48.9	46.0	47.2	54.2	57.4	57.7	59.2	59.3	63.0	66.6	67.9
Machinery, except electrical	19	54.9	63.5	70.7	76.7	86.1	81.0	79.2	87.1	87.0	80.2	87.1	.....	.....	.....	.....
Industrial machinery and equipment	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88.2	100.4	106.1	111.4
Electric and electronic equipment	21	39.3	44.2	48.5	54.5	61.3	60.5	67.6	80.0	83.5	84.9	91.3	.....	.....	.....	.....
Electronic and other electric equipment	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.8	80.6	86.9	81.2
Motor vehicles and equipment	23	36.8	39.7	37.5	26.8	35.4	33.9	42.7	54.0	58.3	57.9	58.5	58.7	59.2	53.4	45.8
Other transportation equipment	24	19.1	21.7	24.4	26.3	25.3	38.6	39.9	46.3	48.2	53.6	57.5	56.6	56.4	59.8	65.7
Instruments and related products	25	13.4	15.4	16.9	19.5	22.7	23.4	24.8	27.7	26.8	27.6	27.3	40.4	49.7	51.6	56.4
Miscellaneous manufacturing industries	26	7.8	8.6	9.1	9.8	11.7	11.4	11.0	14.2	13.9	14.1	15.0	15.0	17.0	18.4	18.8
Nondurable goods	27	189.1	204.5	231.9	239.4	267.7	274.6	297.3	312.7	327.0	349.3	375.2	375.9	419.9	442.0	454.9
Food and kindred products	28	42.7	44.8	47.8	51.8	57.9	63.0	65.1	69.8	71.7	73.7	78.9	78.9	82.8	87.7	94.5
Tobacco manufactures	29	5.6	6.3	6.7	7.1	8.0	7.3	10.3	10.4	11.2	13.0	13.0	13.0	13.9	14.2	16.6
Textile mill products	30	13.0	14.0	14.6	14.8	15.7	15.0	17.1	17.6	17.3	19.1	20.3	20.3	20.5	21.1	22.0
Apparel and other textile products	31	14.8	16.2	17.1	17.3	18.5	18.7	20.4	21.0	21.0	22.4	22.6	22.6	23.5	25.3	24.6
Paper and allied products	32	17.9	19.6	21.8	22.8	24.8	26.3	27.4	31.4	32.9	35.0	38.7	38.5	44.1	47.1	46.5
Printing and publishing	33	24.4	27.5	31.5	32.7	35.1	38.3	42.5	47.5	52.5	56.7	61.0	61.0	65.1	70.5	72.2
Chemicals and allied products	34	39.2	41.9	45.5	47.6	55.7	56.6	62.0	64.7	67.0	73.5	82.3	82.3	94.4	99.6	103.1
Petroleum and coal products	35	13.9	14.9	26.0	24.3	28.4	25.5	26.1	21.6	23.5	25.8	25.9	25.9	40.7	38.5	36.7
Rubber and miscellaneous plastics products	36	14.5	15.8	17.3	17.0	19.3	19.6	22.4	24.8	26.4	27.0	29.0	29.9	31.1	34.0	34.3
Leather and leather products	37	3.0	3.3	3.6	4.1	4.4	4.3	4.1	3.8	3.6	3.1	3.5	3.5	3.8	3.9	4.3
Transportation and public utilities	38	**179.2**	**202.2**	**219.1**	**242.2**	**273.3**	**292.1**	**326.7**	**358.8**	**378.0**	**393.8**	**419.9**	**419.8**	**442.1**	**463.3**	**481.9**
Transportation	39	76.3	86.9	96.7	102.9	110.6	108.9	118.4	131.8	136.0	141.8	152.8	152.7	163.7	168.9	175.4
Railroad transportation	40	15.6	17.3	19.2	20.6	21.9	19.1	20.4	22.8	22.2	21.6	21.7	21.7	22.9	20.8	21.5
Local and interurban passenger transit	41	4.0	4.4	4.7	5.3	5.4	5.7	6.0	7.1	7.4	8.3	8.7	8.7	8.8	9.5	9.9
Trucking and warehousing	42	30.8	35.2	38.9	40.3	42.5	42.3	45.2	50.4	53.6	58.4	61.0	61.0	65.8	69.9	72.0
Water transportation	43	4.9	5.5	6.6	7.2	7.9	7.4	7.7	8.0	8.3	8.1	8.0	8.0	9.0	9.7	9.9
Transportation by air	44	13.8	15.5	16.4	18.1	18.6	19.0	23.0	26.7	27.2	29.4	35.1	35.1	38.6	38.6	40.2
Pipelines, except natural gas	45	2.7	3.8	5.1	5.2	6.1	7.2	7.3	6.5	6.1	4.7	5.2	5.2	4.4	4.3	4.6
Transportation services	46	4.4	5.1	5.8	6.3	8.2	8.4	8.9	10.3	11.2	11.4	13.1	13.1	14.3	16.2	17.3
Communications	47	50.0	56.7	61.6	68.9	79.2	88.6	98.5	104.8	112.6	120.0	127.6	127.6	135.1	139.9	146.2
Telephone and telegraph	48	44.8	50.6	54.9	61.7	70.8	78.9	88.0	92.4	100.2	107.9	113.7	111.2	116.0	118.4	123.0
Radio and television	49	5.2	6.1	6.6	7.2	8.4	9.6	10.4	12.4	12.4	12.1	13.9	16.4	19.0	21.5	23.2
Electric, gas, and sanitary services	50	52.9	58.6	60.9	70.4	83.5	94.7	109.8	122.2	129.4	132.0	139.5	139.5	143.4	154.5	160.4
Wholesale trade	51	**137.9**	**157.1**	**178.6**	**191.6**	**212.7**	**216.5**	**223.6**	**258.4**	**276.6**	**290.9**	**302.6**	**303.1**	**331.0**	**351.6**	**359.7**
Retail trade	52	**190.4**	**214.9**	**233.2**	**244.7**	**269.3**	**286.6**	**321.1**	**361.3**	**390.9**	**418.7**	**440.1**	**441.8**	**471.7**	**502.5**	**515.8**
Finance, insurance, and real estate	53	**283.6**	**328.6**	**370.8**	**418.4**	**469.6**	**503.9**	**565.3**	**619.0**	**681.8**	**743.5**	**809.9**	**809.7**	**866.3**	**926.5**	**974.7**
Banking	54	33.4	40.7	49.1	56.0	60.5	71.0	78.7	88.1	100.5	106.6	118.7	.....	.....	.....	.....
Depository institutions	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	134.7	136.7	145.4	152.0
Credit agencies other than banks	56	6.6	9.2	9.9	6.7	6.6	3.2	11.7	13.0	18.5	24.2	34.0	.....	.....	.....	.....
Nondepository institutions	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.4	18.6	19.8	22.2
Security and commodity brokers	58	7.3	9.1	10.0	12.4	14.1	15.6	22.4	21.4	24.2	28.5	37.8	37.9	35.2	40.4	37.3
Insurance carriers	59	28.9	33.9	35.1	36.9	34.7	31.7	35.6	36.7	39.1	47.1	51.2	51.2	65.3	68.9	65.0
Insurance agents, brokers, and service	60	11.3	12.2	13.1	14.6	15.8	17.3	18.3	20.2	22.2	25.4	30.1	30.2	33.2	34.0	38.9
Real estate	61	195.1	221.8	252.5	288.6	326.6	354.1	385.3	427.5	459.7	484.8	521.3	521.5	568.1	609.5	641.3
Nonfarm housing services	62	139.4	156.0	176.1	205.1	234.5	257.4	273.7	297.0	322.4	344.1	368.9	368.9	396.8	423.8	449.6
Other real estate	63	55.7	65.8	76.5	83.5	92.1	96.7	111.5	130.5	137.2	140.6	152.4	152.6	171.4	185.6	191.7
Holding and other investment offices	64	1.2	1.7	1.1	3.2	11.4	11.0	13.3	12.0	17.6	27.0	16.9	16.9	9.3	8.4	18.2
Services	65	**255.7**	**294.6**	**333.0**	**377.0**	**425.1**	**469.8**	**521.3**	**586.9**	**650.9**	**712.8**	**784.0**	**782.5**	**865.5**	**948.8**	**1,041.0**
Hotels and other lodging places	66	12.9	15.7	17.9	19.6	22.2	23.9	26.9	30.9	35.7	38.8	42.6	42.6	45.2	49.3	51.3
Personal services	67	13.5	15.2	16.3	17.5	18.4	19.7	21.8	24.1	27.9	30.4	32.2	31.0	34.2	35.4	36.1
Business services	68	42.9	50.4	59.9	69.3	80.2	90.9	104.8	124.5	143.3	158.6	174.6	141.6	162.2	175.5	194.1
Auto repair, services, and parking	69	13.3	16.0	18.2	19.1	20.5	21.7	24.7	28.3	33.3	36.2	38.2	38.2	41.1	42.9	46.4
Miscellaneous repair services	70	5.8	6.8	7.6	8.9	9.2	9.5	10.6	12.7	12.2	13.6	13.7	13.7	15.1	16.3	17.2
Motion pictures	71	4.4	6.1	6.1	6.0	6.3	7.3	7.7	8.8	9.9	11.3	12.9	13.7	13.8	17.4	17.6
Amusement and recreation services	72	10.5	11.7	13.0	14.2	15.6	16.9	18.8	20.0	22.6	24.7	27.4	28.1	30.4	34.6	39.9
Health services	73	75.4	85.4	96.0	111.5	128.4	145.9	159.4	171.8	186.2	201.2	228.9	228.9	248.5	273.0	302.1
Legal services	74	16.9	18.8	21.3	24.9	27.9	32.9	37.1	43.6	48.0	55.9	61.1	61.1	68.7	73.0	79.2
Educational services	75	12.2	13.2	14.5	16.4	18.0	19.9	21.7	24.0	25.9	27.4	30.4	30.3	33.4	36.3	39.0
Social services and membership organizations	76	18.7	21.3	23.5	26.1	28.3	30.3	32.7	35.6	38.1	41.6	45.7	45.7	50.8	56.0	60.7
Miscellaneous professional services	77	23.3	27.4	32.3	37.3	44.0	44.7	48.7	55.4	60.5	65.3	68.8	.....	.....	.....	.....
Other services	78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100.0	113.7	130.3	148.1
Private households	79	5.9	6.5	6.4	6.1	6.2	6.3	6.3	7.3	7.3	7.7	7.7	7.7	8.3	8.9	9.4
Government	80	**247.1**	**270.5**	**293.9**	**324.2**	**358.1**	**388.0**	**415.0**	**445.9**	**481.8**	**512.1**	**545.3**	**545.3**	**584.8**	**627.6**	**674.1**
Federal	81	**89.5**	**97.8**	**104.7**	**115.4**	**131.2**	**141.8**	**150.7**	**159.9**	**170.9**	**175.7**	**185.4**	**185.4**	**196.6**	**207.8**	**220.6**
General government	82	75.6	81.8	87.1	96.3	107.7	117.3	125.0	132.2	140.3	143.7	151.4	151.4	159.8	169.1	180.3
Government enterprises	83	13.9	16.0	17.6	19.1	23.5	24.5	25.7	27.7	30.6	32.0	34.0	34.0	36.8	38.8	40.3
State and local	84	**157.7**	**172.7**	**189.2**	**208.8**	**226.8**	**246.2**	**264.4**	**286.0**	**310.9**	**336.4**	**360.0**	**360.0**	**388.2**	**419.7**	**453.6**
General government	85	145.0	158.9	174.8	193.5	210.7	228.5	243.9	261.9	283.2	305.9	327.3	327.3	351.9	379.8	411.4
Government enterprises	86	12.7	13.9	14.5	15.3	16.1	17.7	20.4	24.1	27.6	30.4	32.7	32.7	36.3	40.0	42.2
Statistical discrepancy [1]	87	**10.9**	**7.6**	**13.8**	**13.6**	**10.9**	**−7.4**	**10.2**	**−9.0**	**−13.9**	**1.2**	**−24.8**	**−24.8**	**−28.4**	**1.1**	**5.4**

1. Equals GDP measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production.

* Estimates for the year 1987 are shown on the basis of both the 1972 and 1987 Standard Industrial Classification (SIC). The estimate based on the 1972 SIC is shown first and is comparable with estimates back to 1977; the estimate based on the 1987 SIC is shown second and is comparable with estimates after 1987.

Table 10.—Revisions in Gross Domestic Product by Industry in Current Dollars for Selected Years

[Billions of dollars]

	Line	1977			1982			1987			1989		
		Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision	Previously published	Revised	Revision
Gross domestic product	1	**1,965.1**	**1,974.1**	**9.0**	**3,114.8**	**3,149.6**	**34.8**	**4,486.7**	**4,539.9**	**53.2**	**5,163.2**	**5,250.8**	**87.6**
Private industries	2	**1,717.7**	**1,716.1**	**−1.6**	**2,731.0**	**2,769.0**	**38.0**	**3,962.4**	**4,019.4**	**57.0**	**4,561.0**	**4,622.2**	**61.2**
Agriculture, forestry, and fisheries	3	**58.9**	**54.4**	**−4.5**	**89.6**	**77.0**	**−12.6**	**100.7**	**88.5**	**−12.2**	**113.5**	**104.8**	**−8.7**
Farms	4	50.4	47.2	−3.2	77.0	65.1	−11.9	78.8	66.0	−12.8	88.6	81.1	−7.5
Agricultural services, forestry, and fisheries	5	8.5	7.2	−1.3	12.6	11.9	−.7	21.9	22.5	.6	24.9	23.7	−1.2
Mining	6	**50.2**	**54.1**	**3.9**	**132.1**	**146.1**	**14.0**	**76.8**	**83.0**	**6.2**	**80.3**	**84.2**	**3.9**
Metal mining	7	1.9	2.2	.3	2.3	3.2	.9	2.4	2.6	.2	3.6	5.2	1.6
Coal mining	8	9.6	10.3	.7	15.1	16.0	.9	13.2	12.5	−.7	13.6	12.9	−.7
Oil and gas extraction	9	34.9	38.0	3.1	110.2	122.6	12.4	54.0	60.8	6.8	55.7	58.8	3.1
Nonmetallic minerals, except fuels	10	3.8	3.6	−.2	4.5	4.3	−.2	7.2	7.2	0	7.4	7.4	0
Construction	11	**97.9**	**93.9**	**−4.0**	**140.9**	**129.4**	**−11.5**	**219.2**	**213.0**	**−6.2**	**247.7**	**235.9**	**−11.8**
Manufacturing	12	**465.3**	**466.8**	**1.5**	**634.6**	**647.5**	**12.9**	**875.5**	**878.4**	**2.9**	**966.0**	**1,004.6**	**38.6**
Durable goods	13	277.7	277.7	0	362.5	372.9	10.4	499.9	503.2	3.3	541.0	562.6	21.6
Lumber and wood products	14	15.9	16.3	.4	16.0	16.5	.5	29.4	31.0	1.6	32.2	32.6	.4
Furniture and fixtures	15	6.7	6.5	−.2	9.5	9.3	−.2	15.3	15.2	−.1	16.0	16.5	.5
Stone, clay, and glass products	16	15.3	15.0	−.3	18.2	15.7	−2.5	25.7	24.8	−.9	26.3	25.1	−1.2
Primary metal industries	17	33.5	33.4	−.1	35.3	36.5	1.2	36.1	36.3	.2	44.4	45.7	1.3
Fabricated metal products	18	35.4	35.2	−.2	46.3	46.0	−.3	60.4	59.2	−1.2	68.0	66.6	−1.4
Machinery, except electrical	19	55.4	54.9	−.5	80.0	81.0	1.0	88.9	87.1	−1.8	97.3	.....	.....
Industrial machinery and equipment	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	106.1	.....
Electric and electronic equipment	21	39.5	39.3	−.2	61.8	60.5	−1.3	89.6	91.3	1.7	96.9	.....	.....
Electronic and other electric equipment	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	86.9	.....
Motor vehicles and equipment	23	35.8	36.8	1.0	29.5	33.9	4.4	52.5	58.5	6.0	50.1	53.4	3.3
Other transportation equipment	24	19.0	19.1	.1	32.2	38.6	6.4	59.9	57.5	−2.4	62.2	59.8	−2.4
Instruments and related products	25	13.2	13.4	.2	22.6	23.4	.8	26.8	27.3	.5	30.5	51.6	.....
Miscellaneous manufacturing industries	26	8.0	7.8	−.2	11.1	11.4	.3	15.1	15.0	−.1	17.1	18.4	1.3
Nondurable goods	27	187.7	189.1	1.4	272.1	274.6	2.5	375.7	375.2	−.5	425.0	442.0	17.0
Food and kindred products	28	42.7	42.7	0	61.4	63.0	1.6	75.1	78.9	3.8	81.5	87.7	6.2
Tobacco manufactures	29	5.7	5.6	−.1	8.9	7.3	−1.6	14.1	13.0	−1.1	16.1	14.2	−1.9
Textile mill products	30	14.0	13.0	−1.0	14.8	15.0	.2	20.1	20.3	.2	20.8	21.1	.3
Apparel and other textile products	31	14.5	14.8	.3	18.9	18.7	−.2	22.5	22.6	.1	24.6	25.3	.7
Paper and allied products	32	18.0	17.9	−.1	26.7	26.3	−.4	40.2	38.7	−1.5	46.8	47.1	.3
Printing and publishing	33	23.3	24.4	1.1	38.4	38.3	−.1	61.1	61.0	−.1	68.2	70.5	2.3
Chemicals and allied products	34	37.5	39.2	1.7	55.3	56.6	1.3	80.9	82.3	1.4	98.8	99.6	.8
Petroleum and coal products	35	14.5	13.9	−.6	24.4	25.5	1.1	29.6	25.9	−3.7	33.7	38.5	4.8
Rubber and miscellaneous plastics products	36	14.4	14.5	.1	19.3	19.6	.3	28.9	29.0	.1	31.1	34.0	2.9
Leather and leather products	37	3.0	3.0	0	4.1	4.3	.2	3.3	3.5	.2	3.5	3.9	.4
Transportation and public utilities	38	**178.9**	**179.2**	**.3**	**288.4**	**292.1**	**3.7**	**413.9**	**419.9**	**6.0**	**460.9**	**463.3**	**2.4**
Transportation	39	77.0	76.3	−.7	110.8	108.9	−1.9	153.9	152.8	−1.1	171.5	168.9	−2.6
Railroad transportation	40	15.5	15.6	.1	19.0	19.1	.1	20.9	21.7	.8	21.5	20.8	−.7
Local and interurban passenger transit	41	4.4	4.0	−.4	6.0	5.7	−.3	8.3	8.7	.4	9.5	9.5	0
Trucking and warehousing	42	32.3	30.8	−1.5	46.6	42.3	−4.3	66.0	61.0	−5.0	72.9	69.9	−3.0
Water transportation	43	4.9	4.9	0	7.4	7.4	0	7.9	8.0	.1	8.5	9.7	1.2
Transportation by air	44	13.7	13.8	.1	19.0	19.0	0	34.7	35.1	.4	40.0	38.6	−1.4
Pipelines, except natural gas	45	2.1	2.7	.6	4.9	7.2	2.3	3.8	5.2	1.4	4.1	4.3	.2
Transportation services	46	4.1	4.4	.3	7.8	8.4	.6	12.3	13.1	.8	15.0	16.2	1.2
Communications	47	48.8	50.0	1.2	85.6	88.6	3.0	122.8	127.6	4.8	133.7	139.9	6.2
Telephone and telegraph	48	44.0	44.8	.8	77.3	78.9	1.6	109.6	113.7	4.1	117.3	118.4	1.1
Radio and television	49	4.7	5.2	.5	8.3	9.6	1.3	13.1	13.9	.8	16.4	21.5	5.1
Electric, gas, and sanitary services	50	53.1	52.9	−.2	92.0	94.7	2.7	137.2	139.5	2.3	155.6	154.5	−1.1
Wholesale trade	51	**139.8**	**137.9**	**−1.9**	**219.0**	**216.5**	**−2.5**	**294.8**	**302.6**	**7.8**	**339.5**	**351.6**	**12.1**
Retail trade	52	**193.0**	**190.4**	**−2.6**	**287.5**	**286.6**	**−.9**	**426.4**	**440.1**	**13.7**	**486.0**	**502.5**	**16.5**
Finance, insurance, and real estate	53	**280.3**	**283.6**	**3.3**	**475.1**	**503.9**	**28.8**	**761.6**	**809.9**	**48.3**	**896.7**	**926.5**	**29.8**
Banking	54	31.0	33.4	2.4	59.8	71.0	11.2	88.7	118.7	30.0	119.4	.....	.....
Depository institutions	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	145.4	.....
Credit agencies other than banks	56	4.7	6.6	1.9	5.4	3.2	−2.2	18.0	34.0	16.0	20.5	.....	.....
Nondepository institutions	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.8	.....
Security and commodity brokers	58	5.7	7.3	1.6	13.1	15.6	2.5	35.8	37.8	2.0	43.8	40.4	−3.4
Insurance carriers	59	28.5	28.9	.4	29.8	31.7	1.9	55.4	51.2	−4.2	60.4	68.9	8.5
Insurance agents, brokers, and service	60	11.0	11.3	.3	17.0	17.3	.3	30.6	30.1	−.5	37.4	34.0	−3.4
Real estate	61	198.7	195.1	−3.6	342.7	354.1	11.4	517.3	521.3	4.0	607.1	609.5	2.4
Nonfarm housing services	62	137.1	139.4	2.3	243.8	257.4	13.6	371.8	368.9	−2.9	431.2	423.8	−7.4
Other real estate	63	61.7	55.7	−6.0	98.9	96.7	−2.2	145.5	152.4	6.9	175.9	185.6	9.7
Holding and other investment offices	64	.6	1.2	.6	7.2	11.0	3.8	15.9	16.9	1.0	8.1	8.4	.3
Services	65	**253.4**	**255.7**	**2.3**	**463.6**	**469.8**	**6.2**	**793.6**	**784.0**	**−9.6**	**970.5**	**948.8**	**−21.7**
Hotels and other lodging places	66	12.7	12.9	.2	21.7	23.9	2.2	36.0	42.6	6.6	44.5	49.3	4.8
Personal services	67	14.2	13.5	−.7	21.3	19.7	−1.6	34.0	32.2	−1.8	43.0	35.4	−7.6
Business services	68	42.1	42.9	.8	90.7	90.9	.2	180.1	174.6	−5.5	222.9	175.5	.....
Auto repair, services, and parking	69	14.8	13.3	−1.5	23.5	21.7	−1.8	38.1	38.2	.1	43.6	42.9	−.7
Miscellaneous repair services	70	5.9	5.8	−.1	9.6	9.5	−.1	13.8	13.7	−.1	16.9	16.3	−.6
Motion pictures	71	4.2	4.4	.2	6.3	7.3	1.0	12.5	12.9	.4	14.7	17.4	2.7
Amusement and recreation services	72	9.8	10.5	.7	15.1	16.9	1.8	24.8	27.4	2.6	29.8	34.6	4.8
Health services	73	73.6	75.4	1.8	142.0	145.9	3.9	226.1	228.9	2.8	273.3	273.0	−.3
Legal services	74	15.6	16.9	1.3	30.6	32.9	2.3	60.0	61.1	1.1	75.2	73.0	−2.2
Educational services	75	12.1	12.2	.1	19.1	19.9	.8	29.5	30.4	.9	35.5	36.3	.8
Social services and membership organizations	76	18.7	18.7	0	30.5	30.3	−.2	45.8	45.7	−.1	56.0	56.0	0
Miscellaneous professional services	77	23.8	23.3	−.5	45.7	44.7	−1.0	83.6	68.8	−14.8	104.9	.....	.....
Other services	78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	130.3	.....
Private households	79	5.9	5.9	0	7.6	6.3	−1.3	9.1	7.7	−1.4	10.3	8.9	−1.4
Government	80	**247.4**	**247.1**	**−.3**	**383.9**	**388.0**	**4.1**	**534.8**	**545.3**	**10.5**	**619.3**	**627.6**	**8.3**
Federal	81	**89.8**	**89.5**	**−.3**	**139.2**	**141.8**	**2.6**	**181.9**	**185.4**	**3.5**	**208.2**	**207.8**	**−.4**
General government	82	75.5	75.6	.1	117.0	117.3	.3	150.8	151.4	.6	168.6	169.1	.5
Government enterprises	83	14.2	13.9	−.3	22.2	24.5	2.3	31.0	34.0	3.0	39.7	38.8	−.9
State and local	84	**157.7**	**157.7**	**0**	**244.7**	**246.2**	**1.5**	**352.9**	**360.0**	**7.1**	**411.1**	**419.7**	**8.6**
General government	85	145.0	145.0	0	226.9	228.5	1.6	321.1	327.3	6.2	373.0	379.8	6.8
Government enterprises	86	12.7	12.7	0	17.9	17.7	−.2	31.9	32.7	.8	38.1	40.0	1.9
Statistical discrepancy[1]	87	**0**	**10.9**	**10.9**	**−.1**	**−7.4**	**−7.3**	**−10.6**	**−24.8**	**−14.2**	**−17.0**	**1.1**	**18.1**

1. Equals GDP measured as the sum of expenditures less gross domestic income—that is, GDP measured as the costs incurred and profits earned in domestic production.

NOTE.— In this table, revised estimates for 1987 and previously published estimates for 1987 and 1989 are based on the 1972 Standard Industrial Classification (SIC); revised estimates for 1989 are based on the 1987 SIC. Revisions are not shown for those industries with 1987 and 1972 SIC definitions that are significantly different.

Table 11.—Indexes of Real Gross Domestic Product by Industry and Annual Rates of Change for Selected Years [1]

	Line	Index numbers, 1987=100						Average annual rates of change (percent)		
		1977	1982	1987	1988	1989	1990	1977–90	1977–82	1982–90
Gross domestic product	1	**75.5**	**82.3**	**100.0**	**103.9**	**106.6**	**107.4**	**2.7**	**1.7**	**3.4**
Private industries	2	**75.1**	**80.8**	**100.0**	**104.2**	**106.7**	**107.3**	**2.8**	**1.5**	**3.6**
Agriculture, forestry, and fisheries	3	**71.9**	**82.8**	**100.0**	**96.1**	**99.4**	**106.4**	**3.1**	**2.8**	**3.2**
Farms	4	81.5	91.2	100.0	95.7	100.3	106.8	2.1	2.3	2.0
Agricultural services, forestry, and fisheries	5	43.6	58.2	100.0	97.2	96.7	105.2	7.0	6.0	7.7
Mining	6	**100.6**	**88.0**	**100.0**	**113.7**	**100.8**	**105.6**	**.4**	**–2.6**	**2.3**
Metal mining	7	63.7	98.8	100.0	169.3	208.5	228.5	10.2	8.9	11.0
Coal mining	8	76.1	88.9	100.0	110.5	118.6	124.5	3.9	3.2	4.3
Oil and gas extraction	9	108.0	89.7	100.0	113.6	92.5	96.3	–.9	–3.7	.9
Nonmetallic minerals, except fuels	10	93.3	67.2	100.0	99.6	101.5	105.9	1.0	–6.5	5.9
Construction	11	**89.6**	**77.4**	**100.0**	**99.1**	**99.9**	**97.8**	**.7**	**–2.9**	**3.0**
Manufacturing	12	**78.0**	**78.9**	**100.0**	**105.3**	**106.2**	**105.1**	**2.3**	**.2**	**3.6**
Durable goods	13	76.7	75.5	100.0	107.0	108.2	106.6	2.6	–.3	4.4
Lumber and wood products	14	74.5	62.5	100.0	96.9	94.0	91.8	1.6	–3.5	4.9
Furniture and fixtures	15	74.7	73.1	100.0	99.8	101.2	93.6	1.8	–.4	3.1
Stone, clay, and glass products	16	105.8	73.2	100.0	104.3	108.2	108.1	.2	–7.1	5.0
Primary metal industries	17	138.9	103.5	100.0	95.0	91.7	96.8	–2.7	–5.7	–.8
Fabricated metal products	18	92.1	83.2	100.0	104.4	103.0	99.4	.6	–2.0	2.2
Machinery, except electrical	19	53.6	68.2	100.0	...	...	...	...	4.9	...
Industrial machinery and equipment	20	...	...	100.0	110.3	116.2	115.6	...	...	...
Electric and electronic equipment	21	59.7	74.5	100.0	...	...	...	...	4.5	...
Electronic and other electric equipment	22	...	...	100.0	110.2	118.3	114.5	...	...	...
Motor vehicles and equipment	23	115.8	67.2	100.0	107.2	96.2	81.8	–2.6	–10.3	2.5
Other transportation equipment	24	62.9	77.6	100.0	103.1	107.8	113.7	4.7	4.3	4.9
Instruments and related products	25	82.5	91.7	100.0	123.3	122.7	130.4	...	2.1	...
Miscellaneous manufacturing industries	26	85.5	78.2	100.0	113.2	115.4	113.6	2.2	–1.8	4.8
Nondurable goods	27	79.8	83.8	100.0	103.1	103.6	103.2	2.0	1.0	2.6
Food and kindred products	28	79.0	94.3	100.0	104.4	100.8	103.2	2.1	3.6	1.1
Tobacco manufactures	29	127.9	122.1	100.0	93.5	79.8	76.6	–3.9	–.9	–5.7
Textile mill products	30	78.3	80.7	100.0	98.6	102.9	104.7	2.3	.6	3.3
Apparel and other textile products	31	84.3	83.3	100.0	104.0	109.2	104.8	1.7	–.2	2.9
Paper and allied products	32	83.9	80.8	100.0	103.1	102.5	109.5	2.1	–.8	3.9
Printing and publishing	33	81.5	87.8	100.0	103.5	105.0	102.0	1.7	1.5	1.9
Chemicals and allied products	34	80.5	75.8	100.0	101.1	102.2	106.9	2.2	–1.2	4.4
Petroleum and coal products	35	66.6	76.0	100.0	114.7	117.3	87.9	2.2	2.7	1.8
Rubber and miscellaneous plastics products	36	61.5	67.2	100.0	100.5	107.7	108.7	4.5	1.8	6.2
Leather and leather products	37	150.8	132.4	100.0	106.7	107.2	110.5	–2.4	–2.6	–2.2
Transportation and public utilities	38	**74.9**	**78.9**	**100.0**	**102.8**	**105.5**	**108.6**	**2.9**	**1.1**	**4.1**
Transportation	39	76.7	75.6	100.0	98.3	101.3	105.3	2.5	–.3	4.2
Railroad transportation	40	74.0	71.7	100.0	106.5	101.9	108.4	3.0	–.6	5.3
Local and interurban passenger transit	41	114.6	84.1	100.0	93.1	100.4	100.8	–1.0	–5.9	2.2
Trucking and warehousing	42	86.3	75.5	100.0	94.7	99.5	99.5	1.1	–2.6	3.5
Water transportation	43	107.4	112.6	100.0	96.5	98.3	101.2	–.5	.9	–1.3
Transportation by air	44	48.6	61.3	100.0	99.2	101.6	113.8	6.8	4.8	8.0
Pipelines, except natural gas	45	116.4	128.8	100.0	91.9	96.3	92.8	–1.7	1.9	–3.8
Transportation services	46	51.8	71.1	100.0	105.9	112.5	115.1	6.3	6.5	6.2
Communications	47	57.6	79.1	100.0	105.9	106.3	110.0	5.1	6.6	4.2
Telephone and telegraph	48	53.3	76.5	100.0	105.2	104.5	109.0	5.5	7.5	4.2
Radio and television	49	92.8	100.2	100.0	110.3	118.6	116.8	3.1	1.5	4.1
Electric, gas, and sanitary services	50	88.6	82.3	100.0	104.8	109.3	110.9	1.7	–1.5	3.8
Wholesale trade	51	**56.2**	**72.1**	**100.0**	**103.4**	**108.7**	**106.6**	**5.1**	**5.1**	**5.0**
Retail trade	52	**72.2**	**76.5**	**100.0**	**105.7**	**109.5**	**108.2**	**3.2**	**1.2**	**4.5**
Finance, insurance, and real estate	53	**73.7**	**87.5**	**100.0**	**104.6**	**107.3**	**107.2**	**2.9**	**3.5**	**2.6**
Banking	54	78.1	95.2	100.0	...	...	...	...	4.1	...
Depository institutions	55	...	...	100.0	100.0	100.6	100.4	...	...	...
Credit agencies other than banks	56	52.9	65.1	100.0	...	...	...	...	4.2	...
Nondepository institutions	57	...	...	100.0	100.3	99.7	104.1	...	...	...
Security and commodity brokers	58	33.8	47.2	100.0	96.2	110.1	105.4	9.1	6.9	10.5
Insurance carriers	59	105.1	104.3	100.0	118.8	129.2	112.3	.5	–.1	1.0
Insurance agents, brokers, and service	60	71.0	85.1	100.0	103.5	102.2	108.9	3.4	3.7	3.2
Real estate	61	74.6	89.2	100.0	105.3	107.4	108.6	2.9	3.6	2.5
Nonfarm housing services	62	74.6	92.1	100.0	102.6	104.4	105.8	2.7	4.3	1.8
Other real estate	63	74.6	82.2	100.0	112.0	114.8	115.3	3.4	2.0	4.3
Holding and other investment offices	64	53.4	69.1	100.0	103.1	103.1	108.9	5.7	5.4	5.8
Services	65	**68.7**	**80.3**	**100.0**	**104.0**	**108.2**	**111.5**	**3.8**	**3.1**	**4.2**
Hotels and other lodging places	66	78.2	74.2	100.0	101.3	106.4	103.9	2.2	–1.0	4.3
Personal services	67	88.1	82.4	100.0	106.1	103.9	99.2	.6	–1.4	1.9
Business services	68	45.5	64.8	100.0	107.6	115.3	121.7	...	7.3	...
Auto repair, services, and parking	69	75.8	79.5	100.0	102.9	100.1	102.6	2.4	1.0	3.3
Miscellaneous repair services	70	80.3	90.9	100.0	109.2	116.6	117.7	3.0	2.4	3.3
Motion pictures	71	59.4	77.6	100.0	95.0	109.9	102.7	4.9	5.6	4.4
Amusement and recreation services	72	60.4	77.5	100.0	103.4	111.6	122.3	5.8	5.1	6.2
Health services	73	76.9	90.2	100.0	100.4	101.7	103.8	2.3	3.2	1.8
Legal services	74	75.3	85.6	100.0	108.0	107.9	107.7	2.8	2.6	2.9
Educational services	75	81.3	86.5	100.0	104.0	106.3	108.6	2.3	1.2	2.9
Social services and membership organizations	76	74.3	83.3	100.0	109.8	119.1	125.0	4.1	2.3	5.2
Miscellaneous professional services	77	64.0	79.0	100.0	...	...	...	...	4.3	...
Other services	78	...	...	100.0	103.0	111.4	119.6	...	...	...
Private households	79	117.8	85.2	100.0	106.6	112.7	114.4	–.3	–6.2	3.7
Government	80	**87.2**	**93.0**	**100.0**	**101.9**	**104.0**	**106.7**	**1.6**	**1.3**	**1.7**
Federal	81	**92.6**	**95.1**	**100.0**	**101.6**	**102.5**	**104.3**	**.9**	**.5**	**1.2**
General government	82	90.5	94.1	100.0	101.4	101.9	103.2	1.0	.8	1.2
Government enterprises	83	102.1	99.5	100.0	102.4	105.1	109.1	.5	–.5	1.2
State and local	84	**84.4**	**91.9**	**100.0**	**102.1**	**104.7**	**107.9**	**1.9**	**1.7**	**2.0**
General government	85	85.1	92.2	100.0	102.0	104.7	108.0	1.8	1.6	2.0
Government enterprises	86	77.7	89.2	100.0	103.2	105.0	106.9	2.5	2.8	2.3
Addendum:										
Gross domestic product with fixed 1987 weights	87	77.8	82.8	100.0	103.9	106.6	107.4	2.5	1.3	3.3

1. For 1977 and 1982, indexes for GDP and for manufacturing are the benchmark-years-weighted measures. Indexes for nonmanufacturing industries for all years and for 1988 to 1990 for GDP and manufacturing are the fixed-weighted measures. See the box on page 36 for additional information.

NOTE.— Indexes for 1977 and 1982 are calculated using the 1987 value based on the 1972 Standard Industrial Classification (SIC). Indexes for 1988–90 are calculated using the 1987 value based on the 1987 SIC. Rates of change are not shown for those industries with 1987 and 1972 SIC definitions that are significantly different.

Table 12.—Gross Domestic Product by Industry in Constant Dollars, Fixed 1987 Weights [1]

[Billions of 1987 dollars]

	Line	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987*	1987*	1988	1989	1990
Gross domestic product	1	**3,533.3**	**3,703.5**	**3,796.8**	**3,776.3**	**3,843.1**	**3,760.3**	**3,906.6**	**4,148.5**	**4,279.8**	**4,404.5**	**4,539.9**	**4,539.9**	**4,718.6**	**4,838.0**	**4,877.5**
Private industries	2	**3,017.3**	**3,169.7**	**3,238.1**	**3,202.7**	**3,272.6**	**3,246.3**	**3,361.8**	**3,620.4**	**3,759.2**	**3,871.2**	**4,019.4**	**4,019.4**	**4,188.0**	**4,288.8**	**4,311.4**
Agriculture, forestry, and fisheries	3	**63.7**	**59.2**	**62.4**	**63.2**	**72.7**	**73.3**	**68.4**	**71.5**	**81.9**	**84.5**	**88.5**	**88.5**	**85.1**	**88.0**	**94.2**
Farms	4	53.8	48.2	50.4	51.0	60.8	60.2	53.7	55.1	64.2	64.3	66.0	66.0	63.2	66.2	70.5
Agricultural services, forestry, and fisheries	5	9.8	11.1	12.0	12.2	11.9	13.1	14.8	16.4	17.7	20.2	22.5	22.5	21.9	21.8	23.7
Mining	6	**83.5**	**85.0**	**71.9**	**79.9**	**74.2**	**73.1**	**71.3**	**82.0**	**83.3**	**83.0**	**83.0**	**83.0**	**94.4**	**83.7**	**87.7**
Metal mining	7	1.7	1.5	1.6	1.6	2.5	2.6	2.7	2.8	2.5	2.9	2.6	2.6	4.4	5.4	6.0
Coal mining	8	9.5	8.9	8.5	10.1	10.3	11.1	10.2	11.5	11.3	13.0	12.5	12.5	13.8	14.8	15.6
Oil and gas extraction	9	65.7	67.1	54.7	61.8	56.1	54.5	52.9	60.9	63.2	60.2	60.8	60.8	69.1	56.2	58.6
Nonmetallic minerals, except fuels	10	6.7	7.5	7.0	6.4	5.3	4.8	5.4	6.8	6.3	6.9	7.2	7.2	7.1	7.3	7.6
Construction	11	**190.8**	**198.8**	**200.3**	**185.4**	**174.7**	**164.9**	**170.0**	**190.9**	**209.0**	**209.1**	**213.0**	**213.0**	**211.2**	**212.8**	**208.5**
Manufacturing	12	**741.6**	**773.1**	**777.1**	**725.4**	**746.7**	**711.1**	**733.8**	**791.4**	**810.5**	**819.1**	**878.4**	**877.8**	**924.6**	**932.4**	**922.8**
Durable goods	13	440.9	460.9	458.0	424.3	429.7	392.4	402.5	458.4	468.1	471.5	503.2	501.9	537.0	543.0	535.0
Lumber and wood products	14	23.1	23.3	23.4	21.6	19.5	19.3	22.5	25.3	24.9	27.5	31.0	31.3	30.3	29.4	28.7
Furniture and fixtures	15	11.1	12.0	11.1	11.6	11.8	11.0	12.3	13.5	14.3	14.3	15.2	15.2	15.2	15.4	14.2
Stone, clay, and glass products	16	25.8	26.8	26.7	23.8	22.3	18.2	22.0	23.9	24.5	25.9	24.8	24.0	25.1	26.0	26.0
Primary metal industries	17	54.7	58.0	54.1	49.2	51.0	38.0	32.3	37.7	35.3	38.5	36.3	36.3	34.5	33.3	35.1
Fabricated metal products	18	52.7	54.9	57.3	54.6	55.2	49.1	50.6	56.4	57.6	56.4	59.2	59.3	61.9	61.1	59.0
Machinery, except electrical	19	81.8	85.0	85.9	81.2	81.6	69.4	66.8	73.7	77.9	74.6	87.1	.....	.....	.....	.....
Industrial machinery and equipment	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88.2	97.3	102.6	102.0
Electric and electronic equipment	21	54.1	60.1	64.3	69.8	72.7	66.9	70.6	80.4	83.4	83.8	91.3	.....	.....	.....	.....
Electronic and other electric equipment	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.8	84.6	90.8	87.9
Motor vehicles and equipment	23	66.7	68.1	60.5	39.8	45.0	39.4	47.2	59.3	62.8	58.0	58.5	58.7	63.0	56.5	48.1
Other transportation equipment	24	35.3	36.5	38.2	38.3	32.3	44.2	41.8	45.5	46.7	51.2	57.5	56.6	58.3	61.0	64.3
Instruments and related products	25	22.1	23.1	24.3	24.2	26.1	25.3	26.1	27.9	26.7	27.3	27.3	40.4	49.8	49.6	52.7
Miscellaneous manufacturing industries	26	13.6	13.2	12.1	10.4	12.2	11.6	10.2	14.7	14.1	14.0	15.0	15.0	17.0	17.3	17.1
Nondurable goods	27	300.7	312.2	319.2	301.1	317.1	318.7	331.3	333.0	342.4	347.7	375.2	375.9	387.6	389.4	387.8
Food and kindred products	28	56.6	60.9	62.4	64.3	65.9	73.3	72.2	71.2	74.7	73.1	78.9	78.9	82.4	79.5	81.4
Tobacco manufactures	29	18.9	19.9	19.8	19.7	20.9	17.3	15.7	14.7	14.4	14.5	13.0	13.0	12.2	10.4	10.0
Textile mill products	30	17.0	17.3	17.8	17.3	17.2	16.3	18.1	18.3	18.0	19.3	20.3	20.3	20.0	20.9	21.2
Apparel and other textile products	31	18.7	20.5	21.5	20.4	19.9	18.6	20.4	21.0	20.9	21.9	22.6	22.6	23.5	24.7	23.7
Paper and allied products	32	32.8	33.9	33.5	30.9	31.0	31.9	34.4	35.4	35.7	36.9	38.7	38.5	39.7	39.5	42.2
Printing and publishing	33	49.1	51.5	54.5	52.7	53.6	53.8	54.9	57.4	58.9	58.6	61.0	61.0	63.1	64.1	62.2
Chemicals and allied products	34	65.1	67.7	65.1	57.5	62.0	63.8	68.1	66.4	67.0	74.8	82.3	82.3	83.2	84.1	88.0
Petroleum and coal products	35	21.0	17.6	21.1	15.0	21.4	19.6	21.7	20.6	23.3	19.4	25.9	25.9	29.7	30.4	22.8
Rubber and miscellaneous plastics products	36	16.5	17.8	18.9	18.5	20.4	19.4	21.3	24.2	26.1	26.0	29.0	29.9	30.0	32.2	32.5
Leather and leather products	37	4.9	5.1	4.5	4.8	4.7	4.6	4.2	4.0	3.6	3.2	3.5	3.5	3.7	3.7	3.9
Transportation and public utilities	38	**314.3**	**325.1**	**335.5**	**336.3**	**337.1**	**331.3**	**351.7**	**377.6**	**381.8**	**386.9**	**419.9**	**419.8**	**431.5**	**443.0**	**456.0**
Transportation	39	117.2	121.2	126.2	120.2	116.5	115.5	127.3	136.6	137.4	142.6	152.8	152.7	150.1	154.7	160.9
Railroad transportation	40	16.1	17.6	18.2	18.5	17.9	15.6	17.3	19.6	19.6	19.5	21.7	21.7	23.1	22.1	23.5
Local and interurban passenger transit	41	9.9	9.6	9.5	8.5	7.7	7.3	7.4	8.3	8.3	8.6	8.7	8.7	8.1	8.7	8.7
Trucking and warehousing	42	52.7	52.5	53.5	50.8	47.1	46.1	52.2	57.2	58.2	59.5	61.0	61.0	57.8	60.7	60.7
Water transportation	43	8.6	9.2	9.3	9.3	9.7	9.0	8.5	8.6	8.4	8.2	8.0	8.0	7.7	7.8	8.1
Transportation by air	44	17.0	20.0	21.7	19.2	19.1	21.5	25.5	26.5	25.5	30.2	35.1	35.1	34.8	35.6	39.9
Pipelines, except natural gas	45	6.1	4.5	5.7	5.3	5.9	6.7	6.3	5.4	5.4	4.3	5.2	5.2	4.8	5.0	4.9
Transportation services	46	6.8	7.8	8.3	8.7	9.0	9.3	10.0	11.0	12.0	12.5	13.1	13.1	13.8	14.7	15.0
Communications	47	73.5	80.7	86.2	94.4	98.7	101.0	107.6	116.3	115.8	117.8	127.6	127.6	135.1	135.7	140.4
Telephone and telegraph	48	60.6	67.2	72.6	80.9	85.0	87.0	93.6	101.7	102.5	105.6	113.7	111.2	117.0	116.2	121.2
Radio and television	49	12.9	13.5	13.5	13.5	13.7	13.9	14.0	14.6	13.3	12.2	13.9	16.4	18.1	19.5	19.2
Electric, gas, and sanitary services	50	123.7	123.2	123.1	12[illegible].6	121.9	114.9	116.8	124.7	128.6	126.5	139.5	139.5	146.3	152.6	154.8
Wholesale trade	51	**170.1**	**185.8**	**195.8**	**190.5**	**207.5**	**218.2**	**224.2**	**259.5**	**273.0**	**307.1**	**302.6**	**303.1**	**313.4**	**329.4**	**323.1**
Retail trade	52	**318.0**	**338.1**	**334.8**	**320.1**	**330.6**	**336.8**	**365.1**	**397.7**	**421.4**	**453.2**	**440.1**	**441.8**	**467.0**	**483.7**	**478.0**
Finance, insurance, and real estate	53	**596.5**	**631.0**	**667.4**	**692.8**	**704.7**	**708.4**	**727.9**	**762.1**	**776.4**	**776.6**	**809.9**	**809.7**	**847.4**	**869.0**	**868.3**
Banking	54	92.6	96.9	102.3	107.1	111.2	113.0	113.4	114.4	116.2	118.1	118.7	.....	.....	.....	.....
Depository institutions	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	134.7	134.6	135.5	135.2
Credit agencies other than banks	56	18.0	19.7	20.9	21.4	22.1	22.1	24.4	26.9	28.8	31.7	34.0	.....	.....	.....	.....
Nondepository institutions	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.4	17.4	17.3	18.1
Security and commodity brokers	58	12.8	15.2	15.6	17.5	20.0	17.9	24.4	22.6	26.7	26.5	37.8	37.9	36.4	41.7	39.9
Insurance carriers	59	53.8	57.0	58.6	61.1	56.9	53.4	52.9	58.8	58.7	55.4	51.2	51.2	60.9	66.2	57.6
Insurance agents, brokers, and service	60	21.3	21.5	21.6	22.5	23.6	25.6	25.6	27.1	27.1	27.5	30.1	30.2	31.2	30.8	32.9
Real estate	61	389.0	411.4	438.3	453.0	460.2	464.8	475.2	499.2	504.7	502.0	521.3	521.5	549.4	560.2	566.3
Nonfarm housing services	62	275.4	288.3	301.9	321.7	333.4	339.6	340.3	350.2	358.4	360.5	368.9	368.9	378.4	385.0	390.4
Other real estate	63	113.6	123.0	136.4	131.3	126.8	125.2	135.0	149.0	146.3	141.5	152.4	152.6	170.9	175.2	176.0
Holding and other investment offices	64	9.0	9.4	10.1	10.2	10.7	11.7	11.9	13.2	14.2	15.5	16.9	16.9	17.4	17.4	18.4
Services	65	**538.9**	**573.5**	**592.8**	**609.0**	**624.4**	**629.2**	**649.5**	**687.8**	**722.0**	**751.7**	**784.0**	**782.5**	**813.5**	**846.8**	**872.9**
Hotels and other lodging places	66	33.3	34.8	33.7	31.0	30.9	31.6	34.6	37.0	39.2	40.7	42.6	42.6	43.1	45.3	44.2
Personal services	67	28.4	28.8	28.1	27.6	27.1	26.5	27.4	28.4	31.1	32.0	32.2	31.0	32.8	32.2	30.7
Business services	68	79.5	88.4	97.2	103.9	109.9	113.2	121.6	138.6	151.2	162.6	174.6	141.6	152.3	163.2	172.3
Auto repair, services, and parking	69	28.9	31.2	32.6	31.7	31.4	30.3	31.9	34.8	39.3	39.0	38.2	38.2	39.3	38.2	39.2
Miscellaneous repair services	70	11.0	12.2	12.6	13.5	13.0	12.4	12.8	14.3	12.6	14.0	13.7	13.7	14.9	16.0	16.1
Motion pictures	71	7.6	10.2	9.4	9.0	9.3	10.0	9.9	10.5	11.1	12.0	12.9	13.7	13.0	15.1	14.1
Amusement and recreation services	72	16.5	17.3	18.4	19.5	20.5	21.2	22.6	22.8	24.9	25.8	27.4	28.1	29.1	31.4	34.4
Health services	73	176.0	182.4	187.6	196.1	202.1	206.4	208.2	209.6	213.6	216.1	228.9	228.9	229.9	232.8	237.6
Legal services	74	46.1	49.6	50.6	51.5	51.6	52.3	51.6	54.8	56.5	61.0	61.1	61.1	66.0	66.0	65.9
Educational services	75	24.7	25.5	25.6	26.3	25.9	26.2	26.8	27.8	28.4	28.7	30.4	30.3	31.6	32.3	33.0
Social services and membership organizations	76	33.9	35.8	36.9	37.8	38.1	38.0	39.0	40.3	41.4	43.5	45.7	45.7	50.1	54.4	57.1
Miscellaneous professional services	77	44.0	48.0	52.1	53.9	57.9	54.3	56.5	61.5	65.1	68.3	68.8	.....	.....	.....	.....
Other services	78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100.0	103.0	111.4	119.6
Private households	79	9.1	9.3	8.1	7.2	6.7	6.6	6.6	7.5	7.5	7.8	7.7	7.7	8.2	8.7	8.8
Government	80	**475.7**	**488.3**	**498.6**	**508.9**	**511.6**	**507.1**	**512.5**	**516.9**	**527.5**	**536.4**	**545.3**	**545.3**	**555.9**	**567.0**	**581.7**
Federal	81	**171.7**	**176.5**	**175.7**	**178.7**	**179.6**	**176.2**	**179.8**	**180.6**	**182.6**	**182.9**	**185.4**	**185.4**	**188.3**	**189.9**	**193.3**
General government	82	137.0	138.4	137.5	139.2	140.9	142.4	144.8	146.4	148.6	149.0	151.4	151.4	153.5	154.2	156.3
Government enterprises	83	34.7	38.0	38.2	39.4	38.7	33.8	35.0	34.2	34.0	33.9	34.0	34.0	34.8	35.7	37.1
State and local	84	**304.0**	**311.8**	**322.9**	**330.3**	**332.0**	**330.9**	**332.7**	**336.3**	**344.9**	**353.5**	**360.0**	**360.0**	**367.6**	**377.0**	**388.4**
General government	85	278.6	285.8	295.0	301.1	303.0	301.8	302.6	305.4	313.2	320.8	327.3	327.3	333.9	342.7	353.5
Government enterprises	86	25.4	26.0	27.9	29.2	29.1	29.1	30.1	30.9	31.7	32.7	32.7	32.7	33.7	34.3	34.9
Statistical discrepancy [2]	87	**19.4**	**12.2**	**20.6**	**19.0**	**13.6**	**–8.7**	**11.5**	**–9.8**	**–14.7**	**1.3**	**–24.8**	**–24.8**	**–27.4**	**.9**	**4.9**
Residual [3]	88	**20.8**	**33.4**	**39.6**	**45.7**	**45.3**	**15.6**	**20.8**	**21.0**	**7.7**	**–4.4**	**0**	**0**	**2.1**	**–18.6**	**–20.5**

* Estimates for the year 1987 are shown on the basis of both the 1972 and 1987 Standard Industrial Classification (SIC). The estimate based on the 1972 SIC is shown first and is comparable with estimates back to 1977; the estimate based on the 1987 SIC is shown second and is comparable with estimates after 1987.

1. Constant 1987 dollar values are equal to fixed-weighted quantity indexes with 1987 weights divided by 100 and multiplied by the 1987 value of current-dollar GDP.

2. Equals the current-dollar statistical discrepancy deflated by the implicit price deflator for gross domestic business product.

3. Equals GDP in constant dollars measured as the sum of expenditures less the statistical discrepancy in constant dollars and GDP in constant dollars measured as the sum of gross product originating by industry.

Pollution Abatement and Control Expenditures, 1987–91

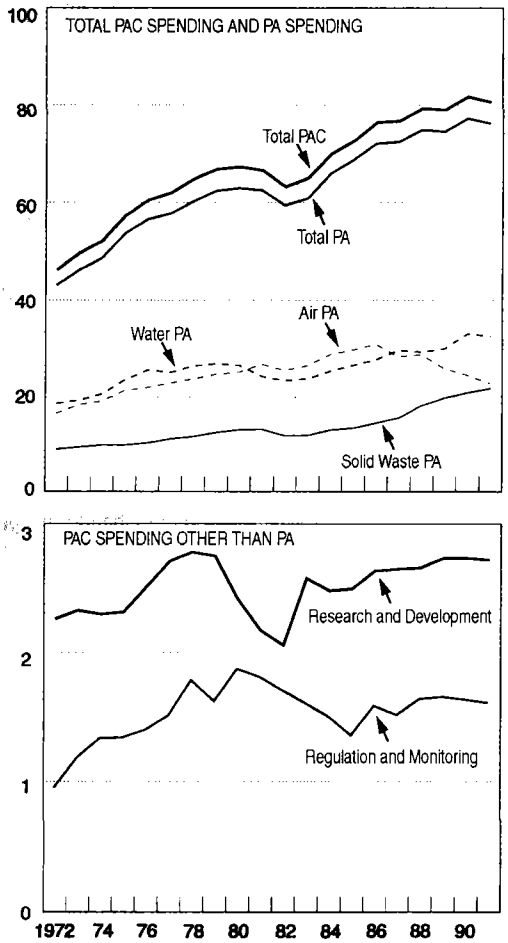
By Gary L. Rutledge and Mary L. Leonard

REAL SPENDING for pollution abatement and control (PAC) decreased 1.4 percent in 1991, in contrast to a 3.4-percent increase in 1990 (chart 1). Prices of PAC goods and services, as measured by the PAC fixed-weighted price index, increased 3.0 percent, following a 3.4-percent increase.

CHART 1

Real Spending for Pollution Abatement and Control, 1972–91

Billions 1987 $



NOTE.—Pollution abatement and control (PAC) expenditures consist of spending for pollution abatement (PA), for regulation and monitoring, and for research and development.

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

Over nine-tenths of all PAC spending is for pollution abatement (PA); the remainder consists of regulation and monitoring expenditures and of research and development expenditures. PA expenditures decreased 1.4 percent in 1991, following a 3.6-percent increase in 1990. Real spending for regulation and monitoring decreased 1.5 percent after a 1.3-percent decrease, and real spending for research and development decreased 0.5 percent after no change.[1]

1. The expenditures discussed in this article are for the goods and services that U.S. residents use to produce cleaner air and water and to manage solid waste and are classified by function (for example, research and development), sector (for example, business), and type (for example, air). PA, which is the principal function, reduces pollutant emissions by preventing the generation of pollutants, by recycling the pollutants, and by treating the pollutants prior to discharge; regulation and monitoring is a government activity that stimulates and guides action to reduce pollutant emissions; research and development by business and government not only supports abatement but also helps increase the efficiency of regulation and monitoring.

The estimates of PAC spending cover most, but not all, PAC activities, which are defined as activities resulting from rules, policies and conventions, and formal regulations restricting the release of pollutants into common-property media, primarily air and water. The estimates exclude (1) PAC activities that do not use productive resources (for example, plant closings due to PAC, delays in plant construction, or curtailments in the use of chemicals in manufacturing and agriculture) and (2) PAC activities that do use productive resources but that are nonmarket activities (for example, volunteer litter removal).

For the purpose of concise presentation, solid waste management—which includes the collection and disposal of solid waste and the alteration of production processes to generate less solid waste—is categorized as solid waste PAC in the tables in this article. These estimates mainly cover spending for collection and disposal by means acceptable to Federal, State, and lo-

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This article first examines real PAC spending in 1991, prices of PAC goods and services in 1991, and likely real PAC spending in 1992, and then it examines changes in the composition of PAC spending in 1987–91. The sources of the estimates are described briefly at the end of the article.

Recent estimates

Real PAC spending in 1991.—Real PAC spending decreased $1.1 billion, or 1.4 percent, to $80.6 billion in 1991 (table 1). It had increased 3.4 percent in 1990 (table 2, with detail in table 7).

By type, real spending for air PAC decreased 6.4 percent in 1991, following a decrease of 4.5 percent in 1990. The 1991 decrease was attributable to declines in personal consumption and business spending to purchase and operate emission abatement devices on motor vehicles. Real spending for water PAC decreased 1.4 percent, following an increase of 9.7 percent. The decrease was due mainly to declines in spending for the operation of industrial plant and equipment and for the purchase of residential and public sewer system fixed capital (largely construction). Real spending for solid waste disposal increased 3.9 percent after increasing 5.4 percent. The 1991 increase primarily reflected growth in operating costs.

By sector for PA, personal consumption expenditures decreased in 1991, and business and government spending increased. Personal consumption expenditures, which consists of the purchase and operation of motor vehicle emission abatement devices, decreased $1.9 billion, or 21.8 percent, in 1991. Purchases of these devices (for example, catalytic converters) decreased $1.7 billion, or 20.0 percent, reflecting a fall in unit sales of vehicles. Operating costs of these devices—which consist largely of the additional cost of using unleaded, rather than leaded, gasoline in vehicles with catalytic converters—decreased $0.2 billion to zero. By 1991, the market for leaded gasoline had diminished to such an extent that the price difference between unleaded and leaded gasoline was not discernible.[2]

Business PA expenditures increased $0.8 billion, or 1.6 percent, in 1991. Spending on capital account increased $0.6 billion, or 3.5 percent, reflecting an increase in purchases of new plant and equipment. Spending on current account increased $0.2 billion, or 0.6 percent, largely reflecting increases in the operation of plant and equipment for public sewer systems.

Government PA expenditures changed little in 1991. An increase in State and local government spending for solid waste disposal was offset by a decrease in construction of public sewer systems.

cal governments; in the text, they are referred to as "solid waste disposal" spending.

2. For more information about trends in these operating costs, see Gary L. Rutledge and Mary L. Leonard, "Pollution Abatement and Control Expenditures, 1972–90," SURVEY OF CURRENT BUSINESS 72 (June 1992): 33.

Table 1.—Constant-Dollar Spending for Pollution Abatement and Control in 1991

	Billions of 1987 dollars		Percent change from preceding year[p]
	Level[p]	Change from preceding year[p]	
Pollution abatement and control	**80.6**	**–1.11**	**–1.4**
Pollution abatement	76.3	–1.07	–1.4
Personal consumption	6.7	–1.86	–21.8
Motor vehicle emission abatement devices	6.7	–1.67	–20.0
Operation of these devices	0	.19	–100.0
Business	50.7	.78	1.6
On capital account	17.0	.57	3.5
Motor vehicle emission abatement	5.2	–.01	–.2
Plant and equipment	9.6	.93	10.7
Other	2.2	–.3	–13.7
On current account	33.7	.21	.6
Motor vehicle emission abatement	0	–.22	–100.0
Plant and equipment	21.2	–.85	–3.8
Public sewer systems[1]	10.3	.81	8.6
Cost recovered	–1.4	–.29	–17.3
Other	3.6	.17	4.9
Government	18.9	.01	.1
Public sewer system fixed capital[2]	9.8	–.49	–4.8
Other	9.0	.51	5.9
Regulation and monitoring	1.6	–.02	–1.5
Research and development	2.7	–.01	–.5

p Preliminary.

1. Spending to operate public sewer systems is classified in the national income and product accounts as business spending.

2. Consists of government enterprise purchases of fixed capital (primarily for the construction of public sewer systems), which is classified in the national income and product accounts as government spending.

NOTE.—The entries in this table are key components from tables 7 and 8; the "other" entries are consolidations of detail from those tables.

Table 2.—Percent Change in Spending and Prices for Pollution Abatement and Control

	Change from preceding year				
	1987	1988[r]	1989[r]	1990[r]	1991[p]
Total:					
Current dollars	3.4	6.3	3.6	6.6	1.6
1987 dollars	.4	3.4	–.3	3.4	–1.4
Fixed-weighted price index	2.9	2.8	3.9	3.4	3.0
Air:					
Current dollars	–4.4	3.9	–6.4	–2.3	–3.8
1987 dollars	–7.7	1.6	–9.4	–4.5	–6.4
Fixed-weighted price index	3.5	2.4	3.6	3.6	2.5
Water:					
Current dollars	8.7	1.1	6.4	12.0	1.1
1987 dollars	6.7	–1.3	2.7	9.7	–1.4
Fixed-weighted price index	4.0	2.5	3.6	2.1	2.9
Solid waste:					
Current dollars	11.6	22.2	14.8	11.1	7.4
1987 dollars	7.4	17.4	9.2	5.4	3.9
Fixed-weighted price index	3.8	4.1	5.1	5.5	3.4

r Revised.

p Preliminary.

Prices in 1991.—The fixed-weighted price index for total PAC spending increased 3.0 percent in 1991, following a 3.4-percent increase in 1990 (table 2). Price increases slowed for air PAC and for solid waste disposal and accelerated for water PAC.

Real PAC spending in 1992.—According to the information available by June 1993, real PAC spending probably increased slightly in 1992. The increase appears to be attributable to increases in State and local government spending for solid waste disposal and to increases in business spending to operate PA plant and equipment.

The composition of real PAC spending in 1987–91

To highlight the changes in real spending that resulted in significant compositional shifts of PAC purchases, real spending is organized by sector (for example, business) in tables 3 and 4 and by type (for example, air PA mobile sources) in tables 5 and 6. The sectors are in accordance with national economic accounting conventions. The types are defined in accordance with Federal environmental legislation.[3]

Spending by sector.—The share of total PAC spending accounted for by personal consumption declined from 14.2 percent in 1987 to 8.3 percent in 1991. The share of personal consumption spending accounted for by the operation of motor vehicle emission abatement devices fell from 20.5 percent in 1987 to zero in 1991, while the share for purchases of these devices increased proportionately.

Business spending as a share of total PAC spending increased from 60.6 percent in 1987 to 65.5 percent in 1991. The shares of spending on capital account and on current account were relatively stable, with current-account spending representing about two-thirds of business spending.

Government spending accounted for about 25 percent of total PAC spending in 1987–91. The share of government spending accounted for by

3. For air PA, the Clean Air Act classifies the sources of pollutants as mobile (for example, automobiles) or stationary (for example, factories). For water PA, the Federal Water Pollution Control Act classifies the sources of pollutants as point (for example, factories) or nonpoint (for example, highway construction projects).

Table 4.—Composition of Constant-Dollar Pollution Abatement and Control Spending, by Sector

	1987	1988 r	1989 r	1990 r	1991 p
	Percent of total PAC spending				
Personal consumption	14.2	14.9	13.0	10.4	8.3
Business	60.6	60.6	61.9	63.6	65.5
Government	25.2	24.5	25.2	26.0	26.3
	Percent of spending within each sector				
Personal consumption: [1]					
Motor vehicle emission abatement devices	79.5	83.3	90.7	97.7	100.0
Operation of these devices	20.5	16.7	9.3	2.3	0
Business: [1]					
On capital account	31.8	30.8	29.9	31.7	32.3
On current account	68.2	69.2	70.1	68.3	67.7
Government: [1]					
Public sewer system fixed capital	52.1	49.7	47.2	48.7	46.4
Other	47.9	50.3	52.8	51.3	53.6

1. These categories are the same as those in table 3.

Table 3.—Constant-Dollar Spending for Pollution Abatement and Control, by Sector

	Millions of 1987 dollars					Percent change			
						Change from preceding year			
	1987	1988 r	1989 r	1990 r	1991 p	1988 r	1989 r	1990 r	1991 p
Pollution abatement and control	**76,672**	**79,277**	**79,006**	**81,703**	**80,597**	**3.4**	**–0.3**	**3.4**	**–1.4**
Personal consumption	10,875	11,837	10,245	8,512	6,654	8.8	–13.4	–16.9	–21.8
Motor vehicle emission abatement devices	8,642	9,857	9,296	8,320	6,654	14.1	–5.7	–10.5	–20.0
Operation of these devices	2,233	1,980	948	192	0	–11.3	–52.1	–79.7	–100.0
Business	46,488	48,046	48,882	51,955	52,752	3.4	1.7	6.3	1.5
On capital account	14,771	14,788	14,636	16,450	17,022	.1	–1.0	12.4	3.5
Motor vehicle emission abatement	5,083	5,791	5,228	5,260	5,248	13.9	–9.7	.6	–.2
Plant and equipment	6,580	6,325	6,832	8,673	9,602	–3.9	8.0	26.9	10.7
Other	3,108	2,672	2,576	2,517	2,172	–14.0	–3.6	–2.3	–13.7
On current account	31,717	33,258	34,246	35,505	35,730	4.9	3.0	3.7	.6
Motor vehicle emission abatement	1,644	1,460	749	221	0	–11.2	–48.7	–70.5	–100.0
Plant and equipment	18,954	20,291	21,103	22,048	21,203	7.1	4.0	4.5	–3.8
Public sewer systems [1]	7,792	8,269	8,803	9,488	10,300	6.1	6.5	7.8	8.6
Other [2]	3,327	3,238	3,591	3,749	4,227	–2.7	10.9	4.4	12.8
Government	19,310	19,395	19,878	21,235	21,191	.4	2.5	6.8	–.2
Public sewer system fixed capital [3]	10,053	9,646	9,383	10,334	9,839	–4.0	–2.7	10.1	–4.8
Other [4]	9,257	9,749	10,495	10,901	11,352	5.3	7.7	3.9	4.1

r Revised.
p Preliminary.
1. Spending to operate public sewer systems is classified in the national income and product accounts as business spending.
2. For this table, private purchases for research and development are included with business pollution abatement spending on current account.
3. Consists of government enterprise purchases of fixed capital (primarily for the construction of public sewer systems), which is classified in the national income and product accounts as government spending.
4. For this table, government regulation and monitoring and government research and development are included with "other" government pollution abatement spending.

public sewer system fixed capital decreased, reflecting a decline in construction spending, while the share of "other" government spending increased, reflecting growth in spending for solid waste disposal.

Spending by type.—The share of total PAC spending accounted for by air PAC steadily declined from 40.0 percent in 1987 to 31.3 percent in 1991, reflecting the decline in operating costs of emission abatement devices. The share accounted for by water PAC was relatively stable at about 40 percent. The share accounted for by spending for solid waste disposal increased from 20.7 percent in 1987 to 27.7 percent in 1991, primarily reflecting growth in operating costs.

Within air PA, the share of spending for mobile sources decreased, while the share for stationary

Table 6.—Composition of Constant-Dollar Pollution Abatement and Control Spending, by Type

	1987	1988 r	1989 r	1990 r	1991 p
	Percent of total PAC spending				
Air	40.0	39.3	35.8	33.0	31.3
Water	39.9	38.1	39.3	41.6	41.6
Solid waste	20.7	23.5	25.8	26.3	27.7
	Percent of spending within each PA-type				
Air: [1]					
Mobile sources	61.7	65.9	62.4	56.6	51.8
Stationary sources	38.3	34.1	37.6	43.4	48.2
Water: [1]					
Point sources	94.0	94.9	95.0	96.7	95.6
Nonpoint sources	6.0	5.1	5.0	3.3	4.4
Solid waste: [1]					
Industrial	53.2	55.7	55.3	54.3	52.9
Other	46.8	44.3	44.7	45.7	47.1

1. These categories are the same as those in table 5.
PAC Pollution abatement and control
PA Pollution abatement

Table 5.—Constant-Dollar Spending for Pollution Abatement and Control, by Type

	Millions of 1987 dollars					Percent change			
						Change from preceding year			
	1987	1988 r	1989 r	1990 r	1991 p	1988 r	1989 r	1990 r	1991 p
Pollution abatement and control	**76,672**	**79,277**	**79,006**	**81,703**	**80,597**	**3.4**	**–0.3**	**3.4**	**–1.4**
Pollution abatement	72,506	74,977	74,619	77,337	76,270	3.4	–.5	3.6	–1.4
Air [1]	28,519	28,972	26,010	24,728	22,995	1.6	–10.2	–4.9	–7.0
Mobile sources [2]	17,601	19,088	16,222	13,994	11,902	8.4	–15.0	–13.7	–14.9
Emission abatement devices	13,725	15,648	14,524	13,580	11,902	14.0	–7.2	–6.5	–12.4
Operation of these devices	3,876	3,440	1,698	413	0	–11.2	–50.6	–75.7	–100.0
Stationary sources	10,918	9,884	9,788	10,734	11,093	–9.5	–1.0	9.7	3.3
Facilities	4,118	3,428	3,482	4,137	5,081	–16.8	1.6	18.8	22.8
Industrial [3]	3,728	3,241	3,270	3,969	4,932	–13.1	.9	21.4	24.3
Other [4]	391	188	213	168	150	–52.0	13.5	–21.0	–11.1
Operation of facilities	6,800	6,456	6,306	6,597	6,012	–5.1	–2.3	4.6	–8.9
Industrial	6,575	6,213	6,069	6,371	5,784	–5.5	–2.3	5.0	–9.2
Other [5]	225	243	236	227	228	8.0	–2.8	–4.0	.4
Water [6]	29,694	29,265	30,057	33,066	32,589	–1.4	2.7	10.0	–1.4
Point sources	27,907	27,776	28,546	31,981	31,140	–.5	2.8	12.0	–2.6
Facilities	14,008	13,474	13,595	15,891	14,595	–3.8	.9	16.9	–8.2
Industrial [3]	2,354	2,365	2,802	4,226	3,730	.5	18.5	50.8	–11.7
Public sewer systems	10,053	9,646	9,383	10,334	9,839	–4.0	–2.7	10.1	–4.8
Other [7]	1,601	1,464	1,410	1,331	1,026	–8.6	–3.7	–5.6	–22.9
Operation of facilities	13,899	14,302	14,951	16,091	16,545	2.9	4.5	7.6	2.8
Industrial	5,383	5,343	5,462	5,935	5,575	–.7	2.2	8.7	–6.1
Public sewer systems	7,792	8,269	8,803	9,488	10,300	6.1	6.5	7.8	8.6
Other [5]	724	690	686	668	670	–4.8	–.5	–2.6	.2
Nonpoint sources	1,787	1,489	1,511	1,085	1,449	–16.7	1.5	–28.2	33.6
Solid waste	15,470	18,155	19,849	20,938	21,810	17.4	9.3	5.5	4.2
Industrial	8,227	10,111	10,986	11,365	11,529	22.9	8.7	3.5	1.5
Other [8]	7,243	8,044	8,864	9,574	10,281	11.1	10.2	8.0	7.4
Other [9]	–1,177	–1,415	–1,297	–1,395	–1,124	20.2	–8.3	7.6	–19.4
Regulation and monitoring	1,519	1,643	1,657	1,636	1,611	8.2	.9	–1.3	–1.5
Air	410	430	452	446	446	4.9	5.1	–1.3	0
Water	583	617	616	597	607	5.8	–.2	–3.1	1.7
Solid waste	300	371	369	372	363	23.7	–.5	.8	–2.4
Other [9]	226	225	220	220	195	–.4	–2.2	0	–11.4
Research and development	2,648	2,658	2,730	2,730	2,716	.4	2.7	0	–.5
Air	1,776	1,787	1,786	1,814	1,824	.6	–.1	1.6	.6
Water	339	327	347	359	359	–3.5	6.1	3.5	0
Solid waste	129	136	170	173	156	5.4	25.0	1.8	–9.8
Other [9]	404	407	426	384	378	.7	4.7	–9.9	–1.6

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1. The Clean Air Act classifies sources of pollutants as either mobile, such as passenger cars, or stationary, such as factories.
2. Cars and trucks only.
3. Consists of new plant and equipment spending for pollution abatement from the Pollution Abatement and Costs Expenditures Survey and the Structures and Equipment Survey—Supplement for Pollution Abatement by the Bureau of Census and of indirect estimation by the Bureau of Economic Analysis for selected nonmanufacturing industries.
4. Consists of spending for fixed capital of government enterprises, such as the Tennessee Valley Authority.
5. Consists of spending to operate abatement facilities by government enterprises and spending to acquire and operate government facilities other than those mentioned in footnote 4: data on the acquisition costs of these facilities are inseparable from the data on operating costs.
6. The Federal Water Pollution Control Act defines point sources as facilities that discharge to a body of water through a pipe or ditch.
7. Consists of spending for private connectors to public sewer systems, capital spending by owners of feedlots, and spending for fixed capital of government enterprises.
8. Consists of Federal, State, and local government spending for the collection and disposal of solid waste and of household payments to business for the collection and disposal of solid waste.
9. Consists of "other and unallocated" spending, for example, for abatement of multimedia pollution (see footnote 2, table 7).

Effects of the 1990 Clean Air Act

This box describes key provisions of the 1990 Clean Air Act and discusses their possible effects on expenditures for pollution abatement and control in 1991.

One provision of the act requires lower emissions of air pollutants from motor vehicles, beginning with the 1994 model year. Consequently, any effects of this provision on 1991 spending would be limited to research and development spending, which rose slightly.

Another provision expanded the range of businesses required to lower their air emissions to include medium and selected small businesses, and it expanded the list of hazardous substances to be controlled. Probably reflecting a pickup in spending due to this provision, the pollution abatement part of nonresidential fixed investment increased significantly. This increase was mainly in manufacturing, according to data from the Census Bureau's Pollution Abatement Costs and Expenditures Survey.

In addition, a provision of the act requires lower emissions, particularly sulfur oxides emissions, by electric utilities, and it calls for the design of a system or market for the trading of rights to emit sulfur oxides. The first phase of the implementation of this provision is to be in full operation by 1995. Capital spending for pollution abatement by electric utilities declined in 1991, as utilities weighed various compliance strategies; many electric utilities may be planning a mix of strategies—such as switching to cleaner fuels, emissions trading, and pollution abatement investment.

The effect of the act on operating costs for air pollution abatement will probably occur gradually. Operating costs fell in 1991; the decrease was mainly accounted for by manufacturing and electric utilities and is consistent with a relatively low capacity utilization rate in a relatively weak economic recovery. It is likely that any increases in spending in response to the act occurred near the end of 1991, and in that case, any rise in capital stock would tend not to affect operating spending until 1992.

sources increased. Within water PA, abatement activities of point sources continued to account for most of the spending. Within solid waste PA, industrial spending continued to account for a little more than one-half of the spending.

Sources of the estimates

The estimates of PAC components that are derived from direct sources typically account for about three-fifths of total PAC spending. The most important data sources are the following surveys conducted by the Bureau of the Census: The Pollution Abatement Costs and Expenditures Survey (for capital and operating spending by manufacturing establishments), the Pollution Abatement Plant and Equipment Expenditures Survey (for capital spending totals by nonfarm business), and surveys of government finances (for government spending to operate public sewer systems and to collect and dispose of solid waste). The estimates of the remaining PAC components are based on other sources that provide more general survey information and on assumptions made to utilize this information.[4]

Tables 7 and 8 follow.

4. For a discussion of these other sources, see Rutledge and Leonard, "Expenditures," pages 31–34. Since the publication of that article, several minor adjustments have been made to the sources and methods used to prepare the nonmanufacturing estimates.

Table 7.—Expenditures for Pollution Abatement and Control by Sector and Type

Line		1987					1988 r				
		Total [1]	Air	Water	Solid waste	Other and unallocated [2]	Total [1]	Air	Water	Solid waste	Other and unallocated [2]
		Millions of current dollars									
1	**Pollution abatement and control**	**76,672**	**30,705**	**30,616**	**15,899**	**–548**	**81,472**	**31,903**	**30,955**	**19,435**	**–821**
2	Pollution abatement	72,506	28,519	29,694	15,470	–1,177	76,996	29,590	29,978	18,908	–1,480
3	Personal consumption	10,875	10,875	...	...	...	12,062	12,062	...	...	...
4	Durable goods [3]	8,642	8,642	...	...	...	10,064	10,064	...	...	...
5	Nondurable goods [4]	2,233	2,233	...	...	...	1,998	1,998	...	...	...
6	Business	44,501	17,159	18,388	10,413	–1,459	47,204	17,256	18,804	13,010	–1,865
7	On capital account	14,771	8,810	4,622	1,339	...	15,225	9,301	4,385	1,539	...
8	On current account	29,729	8,349	13,767	9,074	–1,459	31,979	7,955	14,418	11,470	–1,865
9	Private	23,251	8,218	5,959	9,073	...	25,298	7,787	6,042	11,470	...
10	Government enterprise	7,939	130	7,808	...	1	8,547	168	8,377	...	2
11	Costs recovered	–1,460	...	...	...	–1,460	–1,867	...	...	...	–1,867
12	Government	17,130	486	11,305	5,057	282	17,730	272	11,175	5899	385
13	Federal	1,237	80	707	250	200	1,402	65	707	300	330
14	State and local	5,356	15	452	4,807	82	6,148	10	484	5,599	55
15	Government enterprise purchases of fixed capital	10,538	391	10,147	...	...	10,181	197	9,984	...	...
16	Regulation and monitoring	1,519	410	583	300	226	1,695	440	635	385	235
17	Federal	700	110	250	120	220	850	120	300	200	230
18	State and local	819	300	333	180	6	845	320	335	185	5
19	Research and development	2,648	1,776	339	129	404	2,781	1,873	342	142	424
20	Private	1,987	1,574	199	35	179	2,088	1,652	209	39	188
21	Federal	630	200	120	90	220	665	220	115	100	230
22	State and local	31	2	20	4	5	28	1	18	3	6
		Millions of constant (1987) dollars									
23	**Pollution abatement and control**	**76,672**	**30,705**	**30,616**	**15,899**	**–548**	**79,277**	**31,189**	**30,209**	**18,662**	**–784**
24	Pollution abatement	72,506	28,519	29,694	15,470	–1,177	74,977	28,972	29,265	18,155	–1,419
25	Personal consumption	10,875	10,875	...	...	...	11,837	11,837	...	...	...
26	Durable goods [3]	8,642	8,642	...	...	...	9,857	9,857	...	...	...
27	Nondurable goods [4]	2,233	2,233	...	...	...	1,980	1,980	...	...	...
28	Business	44,501	17,159	18,388	10,413	–1,459	46,057	16,874	18,468	12,491	–1,776
29	On capital account	14,771	8,810	4,622	1,339	...	14,788	9,031	4,261	1,495	...
30	On current account	29,729	8,349	13,767	9,074	–1,459	31,269	7,843	14,207	10,996	–1,776
31	Private	23,251	8,218	5,959	9,073	...	24,592	7,673	5,924	10,996	...
32	Government enterprise	7,939	130	7,808	...	1	8,455	170	8,283	...	2
33	Costs recovered	–1,460	...	...	...	–1,460	–1,778	...	...	...	–1,778
34	Government	17,130	486	11,305	5,057	282	17,083	261	10,797	5,664	361
35	Federal	1,237	80	707	250	200	1,340	64	675	292	309
36	State and local	5,356	15	452	4,807	82	5,864	10	431	5,372	52
37	Government enterprise purchases of fixed capital	10,538	391	10,147	...	...	9,879	188	9,692	...	...
38	Regulation and monitoring	1,519	410	583	300	226	1,643	430	617	371	225
39	Federal	700	110	250	120	220	814	115	287	192	220
40	State and local	819	300	333	180	6	829	315	329	180	5
41	Research and development	2,648	1,776	339	129	404	2,658	1,787	327	136	407
42	Private	1,987	1,574	199	35	179	1,989	1,574	199	37	179
43	Federal	630	200	120	90	220	643	213	111	97	222
44	State and local	31	2	20	4	5	27	1	17	3	6
		Selected fixed-weighted price indexes									
45	**Pollution abatement and control**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**102.8**	**102.4**	**102.5**	**104.1**	**105.2**
46	Pollution abatement	100.0	100.0	100.0	100.0	100.0	102.7	102.2	102.5	104.1	104.6
47	Personal consumption	100.0	100.0	...	...	...	101.8	101.8	...	...	...
48	Business	100.0	100.0	100.0	100.0	100.0	102.5	102.4	101.8	104.1	105.0
49	On capital account	100.0	100.0	100.0	100.0	...	103.0	103.1	102.9	102.9	...
50	On current account	100.0	100.0	100.0	100.0	100.0	102.2	101.6	101.5	104.3	105.0
51	Government	100.0	100.0	100.0	100.0	100.0	103.8	104.6	103.5	104.1	106.7
52	Regulation and monitoring	100.0	100.0	100.0	100.0	100.0	103.0	102.3	102.8	103.5	104.0
53	Research and development	100.0	100.0	100.0	100.0	100.0	104.6	104.8	104.4	103.9	104.1
		Addendum: Business capital consumption allowances (millions of dollars) [5]									
54	Valued at replacement cost in current dollars	14,432	...	...	...	...	14,811	...	...	...	...
55	Valued at replacement cost in constant (1987) dollars	14,432	...	...	...	...	14,423	...	...	...	...

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1. Includes spending for air and water pollution abatement and control and expenditures for solid waste collection and disposal by means acceptable to Federal, State, and local governments. Excludes agricultural production except feedlot operations.
2. "Other" includes spending for abatement and control of noise, radiation, and pesticide pollution; "unallocated" includes business spending not assigned to media.
3. Durables consists of purchases of motor vehicle emission abatement devices.
4. Nondurables consists of spending to operate motor vehicle emission abatement devices.
5. Capital consumption allowances facilitate the conversion of expenditures to a cost basis.

NOTE.—Expenditures are attributed to the sector that performs, rather than pays for, the air or water pollution abatement or the solid waste collection and disposal.

in Current and Constant Dollars and Selected Fixed-Weighted Price Indexes, 1987–91

1989 r					1990 r					1991 p					
Total [1]	Air	Water	Solid waste	Other and unallocated [2]	Total [1]	Air	Water	Solid waste	Other and unallocated [2]	Total [1]	Air	Water	Solid waste	Other and unallocated [2]	Line
Millions of current dollars															
84,396	**29,856**	**32,943**	**22,320**	**–723**	**89,996**	**29,167**	**36,909**	**24,805**	**–885**	**91,456**	**28,060**	**37,310**	**26,640**	**–553**	1
79,619	27,415	31,896	21,735	–1,428	85,116	26,638	35,851	24,200	–1,573	86,419	25,423	36,205	26,026	–1,235	2
10,747	10,747	.....	.....	.....	9,088	9,088	.....	.....	.....	7,285	7,285	.....	.....	.....	3
9,689	9,689	.....	.....	.....	8,798	8,798	.....	.....	.....	7,285	7,285	.....	.....	.....	4
1,058	1,058	.....	.....	.....	289	289	.....	.....	.....	0	0	.....	.....	.....	5
50,058	16,354	20,618	14,859	–1,773	55,059	17,279	23,293	16,409	–1,922	57,135	17,881	23,486	17,338	–1,569	6
15,520	8,997	4,866	1,657	.....	17,727	9,931	5,844	1,952	.....	18,950	11,270	5,599	2,081	.....	7
34,538	7,357	15,752	13,202	–1,773	37,332	7,348	17,449	14,457	–1,922	38,186	6,611	17,886	15,257	–1,569	8
26,811	7,196	6,414	13,202	.....	28,579	7,188	7,115	14,457	.....	28,470	6,449	6,764	15,257	.....	9
9,502	161	9,338	.....	2	10,497	161	10,334	.....	2	11,287	162	11,122	.....	2	10
–1,775	.....	.....	.....	–1,775	–1,924	.....	.....	.....	–1,924	–1,571	.....	.....	.....	–1,571	11
18,814	315	11,278	6,876	345	20,969	271	12,558	7,791	349	21,998	258	12,719	8,688	334	12
1,379	70	729	300	280	1,391	71	734	304	281	1,417	73	753	341	250	13
7,143	12	489	6,576	65	8,089	13	521	7,487	68	8,980	16	533	8,348	83	14
10,292	233	10,060	.....	.....	11,489	187	11,303	.....	.....	11,601	168	11,433	.....	.....	15
1,803	490	670	400	243	1,784	476	649	408	250	1,818	483	677	427	231	16
860	130	310	180	240	877	133	307	191	245	850	125	301	201	223	17
943	360	360	220	3	907	343	342	217	5	968	358	376	226	8	18
2,974	1,950	377	184	462	3,097	2,053	409	197	437	3,220	2,153	427	187	452	19
2,171	1,718	217	40	195	2,269	1,820	220	42	186	2,383	1,911	231	45	196	20
770	230	140	140	260	777	231	151	151	244	790	240	160	139	250	21
33	2	20	4	7	51	2	38	4	7	47	2	36	3	6	22
Millions of constant (1987) dollars															
79,006	**28,248**	**31,020**	**20,388**	**–650**	**81,703**	**26,988**	**34,022**	**21,484**	**–791**	**80,597**	**25,264**	**33,554**	**22,329**	**–550**	23
74,619	26,010	30,057	19,849	–1,297	77,337	24,728	33,066	20,938	–1,395	76,270	22,995	32,589	21,810	–1,123	24
10,245	10,245	.....	.....	.....	8,512	8,512	.....	.....	.....	6,654	6,654	.....	.....	.....	25
9,296	9,296	.....	.....	.....	8,320	8,320	.....	.....	.....	6,654	6,654	.....	.....	.....	26
948	948	.....	.....	.....	192	192	.....	.....	.....	0	0	.....	.....	.....	27
46,897	15,476	19,458	13,571	–1,607	49,949	15,974	21,473	14,197	–1,695	50,728	16,115	21,481	14,535	–1,402	28
14,636	8,497	4,594	1,545	.....	16,450	9,229	5,451	1,770	.....	17,022	10,179	4,999	1,844	.....	29
32,261	6,979	14,864	12,026	–1,607	33,499	6,745	16,021	12,428	–1,695	33,706	5,935	16,482	12,691	–1,402	30
24,893	6,819	6,049	12,026	.....	25,544	6,592	6,525	12,428	.....	24,642	5,784	6,168	12,690	.....	31
8,977	160	8,815	.....	2	9,652	154	9,496	.....	2	10,467	151	10,314	.....	2	32
–1,609	.....	.....	.....	–1,609	–1,697	.....	.....	.....	–1,697	–1,404	.....	.....	.....	–1,404	33
17,477	289	10,600	6,278	311	18,875	242	11,593	6,741	300	18,888	226	11,108	7,276	279	34
1,271	66	670	283	252	1,228	62	656	269	241	1,220	63	652	296	209	35
6,559	11	495	5,995	59	7,074	11	531	6,472	59	7,621	14	558	6,980	70	36
9,648	213	9,435	.....	.....	10,573	168	10,405	.....	.....	10,047	150	9,897	.....	.....	37
1,657	452	616	369	220	1,636	446	597	372	220	1,611	446	607	363	195	38
780	118	281	163	218	771	117	270	168	216	719	106	255	170	188	39
877	334	334	206	3	865	330	327	204	4	892	340	352	193	6	40
2,730	1,786	347	170	426	2,730	1,814	359	173	384	2,716	1,824	359	156	378	41
1,985	1,571	199	37	178	2,006	1,609	195	37	165	2,024	1,623	197	38	166	42
715	213	130	130	241	681	203	132	133	214	654	199	133	115	207	43
30	2	18	4	6	43	1	33	3	6	39	2	29	3	5	44
Selected fixed-weighted price indexes															
106.8	**106.1**	**106.2**	**109.4**	**111.3**	**110.4**	**109.9**	**108.4**	**115.4**	**111.5**	**113.7**	**112.6**	**111.5**	**119.3**	**99.6**	45
106.7	105.9	106.1	109.5	110.1	110.4	109.8	108.4	115.5	112.7	113.5	112.4	111.4	119.3	110.1	46
105.5	105.5	.....	.....	.....	109.9	109.9	.....	.....	.....	112.4	112.4	.....	.....	.....	47
106.7	106.1	105.9	109.5	110.3	110.4	109.6	108.4	115.5	113.4	112.7	112.2	109.2	119.3	111.9	48
106.1	106.1	105.6	107.2	.....	107.7	107.7	107.0	110.3	.....	111.0	110.7	111.0	112.8	.....	49
107.0	106.1	106.0	109.8	110.3	111.7	111.6	108.9	116.3	113.4	113.5	113.9	108.6	120.2	111.9	50
107.5	109.0	106.4	109.5	111.0	110.7	111.7	108.4	115.6	116.2	116.4	113.2	115.1	119.4	119.6	51
108.8	108.5	108.8	108.3	110.2	109.0	106.8	108.5	109.5	114.0	113.5	108.8	111.9	119.0	118.5	52
109.0	109.2	108.9	108.3	108.5	113.4	113.2	113.7	113.9	113.7	118.5	118.1	119.1	120.0	119.5	53
Addendum: Business capital consumption allowances (millions of dollars) [5]															
14,725	.....	.....	.....	.....	13,862	.....	.....	.....	.....	10,275	.....	.....	.....	.....	54
13,879	.....	.....	.....	.....	12,911	.....	.....	.....	.....	9,309	.....	.....	.....	.....	55

Table 8.—Business and Government Expenditures for Air and Water Pollution Abatement in Current and Constant Dollars, 1987–91

	1987			1988 r			1989 r			1990 r			1991 p		
	Total [1]	Air	Water	Total [1]	Air	Water	Total [1]	Air	Water	Total [1]	Air	Water	Total [1]	Air	Water
	Millions of current dollars														
Business (line 6)	**35,547**	**17,159**	**18,388**	**36,059**	**17,256**	**18,804**	**36,972**	**16,354**	**20,618**	**40,573**	**17,279**	**23,293**	**41,366**	**17,881**	**23,486**
On capital account (line 7)	13,432	8,810	4,622	13,686	9,301	4,385	13,863	8,997	4,866	15,775	9,931	5,844	16,869	11,270	5,599
Motor vehicle emission abatement	5,083	5,083	.....	5,910	5,910	.....	5,447	5,447	.....	5,563	5,563	.....	5,744	5,744	.....
Plant and equipment [2]	6,081	3,728	2,354	5,846	3,391	2,455	6,552	3,550	3,002	8,467	4,368	4,100	9,731	5,526	4,205
Residential systems [3]	2,265	.....	2,265	1,927	.....	1,927	1,861	.....	1,861	1,742	.....	1,742	1,391	.....	1,391
Agricultural business [4]	3	.....	3	3	.....	3	4	.....	4	3	.....	3	3	.....	3
On current account (line 8)	22,115	8,349	13,767	22,373	7,955	14,418	23,109	7,357	15,752	24,797	7,348	17,449	24,497	6,611	17,886
Private (line 9)	14,177	8,218	5,959	13,828	7,787	6,042	13,610	7,196	6,414	14,302	7,188	7,115	13,213	6,449	6,764
Motor vehicle emission abatement	1,644	1,644	.....	1,473	1,473	.....	833	833	.....	306	306	.....	0	0	.....
Plant and equipment [2]	11,958	6,574	5,382	11,749	6,314	5,435	12,139	6,363	5,776	13,336	6,881	6,455	12,537	6,448	6,087
Residential systems [3]	568	.....	568	598	.....	598	627	.....	627	650	.....	650	668	.....	668
Agricultural business [4]	8	.....	8	8	.....	8	10	.....	10	9	.....	9	9	.....	9
Government enterprise (line 10)	7,938	130	7,808	8,545	168	8,377	9,500	161	9,338	10,495	161	10,334	11,284	162	11,122
Publicly owned electric utilities	143	130	13	181	168	12	173	161	11	168	161	8	176	162	14
Public sewer systems [5]	7,792	.....	7,792	8,363	.....	8,363	9,325	.....	9,325	10,324	.....	10,324	11,105	.....	11,105
Other	3	.....	3	2	.....	2	3	.....	3	2	.....	2	3	.....	3
Government (line 12)	**11,791**	**486**	**11,305**	**11,447**	**272**	**11,175**	**11,592**	**315**	**11,278**	**12,829**	**271**	**12,558**	**12,977**	**258**	**12,719**
Federal (line 13)	787	80	707	772	65	707	799	70	729	805	71	734	826	73	753
Federal except highways	780	80	700	765	65	700	795	70	725	802	71	730	822	73	749
Highway erosion abatement	7	.....	7	7	.....	7	4	.....	4	4	.....	4	4	.....	4
State and local (line 14)	467	15	452	494	10	484	501	12	489	534	13	521	549	16	533
State and local except highways	15	15	.....	10	10	.....	12	12	.....	13	13	.....	16	16	.....
Highway erosion abatement	452	.....	452	484	.....	484	489	.....	489	521	.....	521	533	.....	533
Government enterprise fixed capital (line 15)	10,538	391	10,147	10,181	197	9,984	10,292	233	10,060	11,489	187	11,303	11,601	168	11,433
Publicly owned electric utilities	485	391	95	245	197	48	289	233	56	265	187	78	231	168	63
Public sewer systems [5]	10,053	.....	10,053	9,936	.....	9,936	10,003	.....	10,003	11,225	.....	11,225	11,370	.....	11,370
	Millions of constant (1987) dollars														
Business (line 28)	**35,547**	**17,159**	**18,388**	**35,342**	**16,874**	**18,468**	**34,934**	**15,476**	**19,458**	**37,447**	**15,974**	**21,473**	**37,595**	**16,115**	**21,481**
On capital account (line 29)	13,432	8,810	4,622	13,292	9,031	4,261	13,092	8,497	4,594	14,680	9,229	5,451	15,178	10,179	4,999
Motor vehicle emission abatement	5,083	5,083	.....	5,791	5,791	.....	5,228	5,228	.....	5,260	5,260	.....	5,248	5,248	.....
Plant and equipment [2]	6,081	3,728	2,354	5,605	3,241	2,365	6,072	3,270	2,802	7,775	3,969	3,806	8,662	4,932	3,730
Residential systems [3]	2,265	.....	2,265	1,894	.....	1,894	1,789	.....	1,789	1,643	.....	1,643	1,266	.....	1,266
Agricultural business [4]	3	.....	3	3	.....	3	3	.....	3	3	.....	3	3	.....	3
On current account (line 30)	22,115	8,349	13,767	22,050	7,843	14,207	21,842	6,979	14,864	22,767	6,745	16,021	22,417	5,935	16,482
Private (line 31)	14,177	8,218	5,959	13,597	7,673	5,924	12,867	6,819	6,049	13,117	6,592	6,525	11,952	5,784	6,168
Motor vehicle emission abatement	1,644	1,644	.....	1,460	1,460	.....	749	749	.....	221	221	.....	0	0	.....
Plant and equipment [2]	11,958	6,574	5,382	11,556	6,213	5,343	11,532	6,069	5,462	12,306	6,371	5,934	11,359	5,784	5,575
Residential systems [3]	568	.....	568	574	.....	574	579	.....	579	583	.....	583	586	.....	586
Agricultural business [4]	8	.....	8	7	.....	7	8	.....	8	7	.....	7	7	.....	7
Government enterprise (line 32)	7,938	130	7,808	8,453	170	8,283	8,975	160	8,815	9,650	154	9,496	10,466	151	10,314
Publicly owned electric utilities	143	130	13	182	170	12	170	160	10	160	154	7	163	151	12
Public sewer systems [5]	7,792	.....	7,792	8,269	.....	8,269	8,803	.....	8,803	9,488	.....	9,488	10,300	.....	10,300
Other	3	.....	3	2	.....	2	2	.....	2	2	.....	2	3	.....	3
Government (line 34)	**11,791**	**486**	**11,305**	**11,058**	**261**	**10,797**	**10,889**	**289**	**10,600**	**11,834**	**242**	**11,593**	**11,334**	**226**	**11,108**
Federal (line 35)	787	80	707	738	64	675	736	66	670	719	62	656	715	63	652
Federal except highways	780	80	700	732	64	669	732	66	666	715	62	653	711	63	648
Highway erosion abatement	7	.....	7	6	.....	6	4	.....	4	4	.....	4	4	.....	4
State and local (line 36)	467	15	452	441	10	431	505	11	495	543	11	531	572	14	558
State and local except highways	15	15	.....	10	10	.....	11	11	.....	11	11	.....	14	14	.....
Highway erosion abatement	452	.....	452	431	.....	431	495	.....	495	531	.....	531	558	.....	558
Government enterprise fixed capital (line 37)	10,538	391	10,147	9,879	188	9,692	9,648	213	9,435	10,573	168	10,405	10,047	150	9,897
Publicly owned electric utilities	485	391	95	233	188	46	265	213	52	240	168	72	208	150	58
Public sewer systems [5]	10,053	.....	10,053	9,646	.....	9,646	9,383	.....	9,383	10,334	.....	10,334	9,839	.....	9,839

r Revised.
p Preliminary.
1. Consists of air and water pollution abatement expenditures only.
2. Consists of manufacturing companies and of privately and cooperatively owned electric utilities and other non-manufacturing companies.
3. Consists of private septic systems and sewer connections linking household plumbing to street sewers.
4. Feedlot operations only; see footnote 1 to table 7.
5. Public sewer systems consist of treatment plants, collection sewers, interceptor sewers, pumping stations, and dry-waste disposal plants. Spending to operate public sewer systems is classified in the national income and product accounts as business spending. Government enterprise purchases of fixed capital (primarily for construction of public sewer systems) is classified in the national income and product accounts as government spending.

NOTE.—Line numbers correspond to those in table 7.

Comprehensive Revision of Local Area Personal Income Estimates, 1969–90

By Wallace K. Bailey

THIS ARTICLE describes the comprehensive revision of the estimates of personal income for counties and metropolitan areas for 1969–90. For each of these local areas, tables 1 and 2 present the revised estimates of personal income and per capita personal income for 1989–90 and new estimates for 1991.

A comprehensive revision of the local area estimates of personal income is made approximately every 5 years to incorporate the changes that result from a comprehensive revision of State personal income and new source data and estimating methods for local areas.[1] This local area revision incorporates results from the 1992 comprehensive revision of State personal income, which in turn incorporated results from the 1991 comprehensive revision of the national income and product accounts (NIPA's) and the 1992 annual NIPA revision.[2] In addition, this revision incorporates extensively revised metropolitan area definitions that reflect data from the 1990 Census of Population.

Table 1 presents estimates for the county-based metropolitan areas that are defined for statistical purposes by the Office of Management and Budget. Revisions to the definitions of these areas are discussed in the section "New metropolitan area definitions." Table 2 presents estimates for counties and county equivalents. For Virginia, estimates are presented for the larger independent cities as well as for most counties; estimates for the smaller independent cities are combined with estimates for their adjacent counties.

1. The timing of the availability of some of these source data will make it necessary to revise the State and local area estimates independently of this comprehensive revision. In April of 1994, the State and local area estimates for 1981–91 will be further revised in order to complete the incorporation of the data from the 1987 Census of Agriculture and the 1990 Census of Population and to incorporate 1987–89 data from the Internal Revenue Service on the income of sole proprietorships and partnerships. (The Internal Revenue Service data currently used to estimate the income of sole proprietorships and partnerships by county are for 1981–83.)

2. See "The Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes," SURVEY OF CURRENT BUSINESS 71 (December 1991): 24–40; "Annual Revision of the U.S. National Income and Product Accounts," SURVEY 72 (July 1992): 6–45; and "The Comprehensive Revision of State Personal Income," SURVEY 72 (August 1992): 44–59.

Changes in source data and estimating methods

This section describes the changes in subnational source data and estimating methods that were introduced for specific components of personal income in this comprehensive revision; most of these changes resulted from the use of census data that were not available at the time of the last comprehensive revision. Not discussed are changes resulting from the comprehensive NIPA revisions that involved detailed estimation that cannot be replicated for the State and local area estimates. Those changes were implicitly incorporated into the State estimates through the use of the national estimates of about 400 detailed subcomponents of personal income as the "control totals" to which the State estimates are made to sum; the county estimates in turn are made to sum to the State estimates.

Wage and salary disbursements.—The 1987–91 county estimates of the wages and salaries of the employees of farms and farm labor contractors in most States are now based on data from the 1987 Census of Agriculture; because pertinent annual data are not available, the geographic distributions from the 1987 census are used without change for each subsequent year. The estimates for 1983–86 are based on straight-line interpolations between data from the 1982 and the 1987 censuses. For States with legally mandated unemployment insurance (UI) coverage of these employees and States where voluntary coverage by employers is near-complete, the data reported by employers on UI tax returns are used in preference to the census data because the UI data are available annually. For the wages of farm employees, the number of States for which the UI data are used has now been increased to ten; for the wages of the employees of farm labor contractors, the UI data continue to be used for only three States.

Farm proprietors' income.—The 1987–91 county estimates of most of the components of gross farm income and expenses for which census of

agriculture data are used are now based on data from the 1987 census; the 1987 geographic distributions are extrapolated to subsequent years by pertinent data, if available, or used without change for each subsequent year. The 1983–86 estimates are derived from interpolations between the 1982 and 1987 censuses. The 1987 census data for "other" farm related income and "other" production expenses will be incorporated into the estimates when the 1992 county estimates are released in April 1994.

Personal interest income.—The 1990–91 county estimates of interest from State and local government bonds are now based on data on the number of high-income households from the 1990 Census of Population; because pertinent annual data are not available, the 1990 geographic distributions are used without change for 1991. The 1981–89 estimates are now derived from straight-line interpolations between data from the 1990 census and comparable data from the 1980 census.

Rental income of persons.—The 1990–91 county estimates of imputed rent (the net rental value of owner-occupied nonfarm dwellings) are now based on data on the number and value of owner-occupied houses and mobile homes from the 1990 Census of Housing; because pertinent annual data are not available, the 1990 geographic distributions are used without change for 1991. The 1981–89 estimates are now derived from interpolations between data from the 1990 census and comparable data from the 1980 census.

Transfer payments.—The county estimates now incorporate two definitional changes that affected the national estimates—the reclassification of bad debt losses as financial transactions and the reclassification of the benefits paid by the Pension Benefit Guaranty Corporation from business transfer payments to Federal transfer payments. As a result of the reclassification of bad debt losses, the subcomponent for consumer bad debts was discontinued. As a result of the reclassification of the benefits, the scope of the subcomponent that consisted of all business transfer payments except consumer bad debts was reduced, and a new subcomponent of Federal transfer payments was established. The national estimate of this subcomponent is allocated to States and counties in proportion to social security benefits, which are assumed to reflect the geographic distribution of the retired population. Previously, the national estimate of the subcomponent that included these benefits was allocated to States and counties in proportion to the civilian population.

Adjustment for residence.—The 1971–79 estimates of this adjustment—the net flow of the earnings of intercounty commuters—were revised for selected counties. The 1970 and 1980 residence adjustments are based primarily on the BEA wage and salary estimates and on journey-to-work data

Acknowledgments

The comprehensive revision of the local area personal income estimates was prepared by the Regional Economic Measurement Division under the direction of Linnea Hazen, Chief. The preparation of the estimates was a divisionwide effort.

Estimates of nonfarm labor income (wages and salaries and other labor income) were prepared by the Regional Wage Branch under the supervision of Sharon C. Carnevale, Chief. Major responsibilities were assigned to Michael G. Pilot, John A. Rusinko, and James M. Scott. Contributing staff members were E. Frances Bake, Christopher T. Berry, Elizabeth P. Cologer, Susan P. Den Herder, Elizabeth A. Freeman, Lela S. Lester, Russell C. Lusher, Richard A. Lutyk, Paul K. Medzerian, Lisa C. Ninomiya, Michael Phillips, Adrienne T. Pilot, William E. Reid, Jr., Dolores A. Rynn, Victor A. Sahadachny, Eugene L. Souder, Darleen K. Won, and Jaime Zenzano.

Estimates of farm earnings (wages and salaries, other labor income, and proprietors' income), personal tax and nontax payments, and the residence adjustments were prepared by the Quarterly Income Branch under the supervision of Robert L. Brown, Assistant Division Chief. Major responsibilities were assigned to James M. Zavrel. Contributing staff members were Elaine M. Briccetti, Daniel R. Corrin, Richard H. Grayson, and Daniel Zabronsky.

Estimates of nonfarm proprietors' income, dividends, interest, rent, transfer payments, and personal contributions for social insurance were prepared by the Proprietors' Income Branch under the supervision of Bruce Levine, Chief. Major responsibilities were assigned to Charles A. Jolley. Contributing staff members were Catherine G. Cumberland, Toan A. Ly, Michael S. Wagner, Ellen M. Wright, and Marianne A. Ziver.

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. Contributing staff members were H. Steven Dolan, Louise T. Johnson, Susan J. Lease-Trevathan, Jeffrey L. Newman, Michael J. Paris, Albert Silverman, Callan S. Swenson, Hilda G. Tolson, Monique B. Tyes, and Mary C. Williams.

from the censuses of population, but they also reflect modifications for 187 counties for which the BEA wage estimates and the census journey-to-work data are inconsistent. The 1971–79 estimates now reflect an improved method of interpolation between the census-year estimates for these counties. Journey-to-work data from the 1990 Census of Population will be incorporated into the county residence adjustments for 1981 and later years when the 1992 county estimates are released in April 1994.

New metropolitan area definitions

The metropolitan area (MA) definitions used by BEA for its MA personal income estimates are the county-based definitions issued by the Office of Management and Budget (OMB) for Federal statistical purposes. These areas consist of 52 primary metropolitan statistical areas (PMSA's), 239 metropolitan statistical areas (MSA's), and 12 New England county metropolitan areas (NECMA's).[3] The PMSA's and one NECMA are grouped into 17 consolidated metropolitan statistical areas (CMSA's).

The estimates presented here use the revised MA definitions issued by OMB in December 1992. These revised definitions reflect, for the first time, results of the 1990 Census of Population together with some minor changes to the standards for MA definition. The most important changes to the definitions were the recognition of eight new MSA's and one new NECMA, the addition of many previously nonmetropolitan counties to existing MA's, and changes to the structure of more than one-half of the CMSA's.

A total of 97 formerly nonmetropolitan counties were added to MA's by the redefinitions, mainly because of increasing rates of commuting to work by the counties' residents into the central counties of the MA's.[4] Ten of these counties are in the new MA's, and 87 were added to existing MA's. A total of 18 counties were deleted from MA's, mainly because of slower population growth. The net effect of these additions and deletions was to transfer $70.3 billion from nonmetropolitan to metropolitan personal income in 1991.

Many of the largest MA's, including five of the seven largest, were extensively changed in these new definitions. (The seven largest MA's—those centered on New York City, Los Angeles, Chicago, Washington-Baltimore, San Francisco, Philadelphia, and Boston—together accounted for almost one-third of the Nation's personal income in 1991.) The Washington-Baltimore CMSA was created by the consolidation of the former MSA's centered on Washington, DC, Baltimore, MD, and Hagerstown, MD; each of these areas is now recognized as a PMSA. In addition, eight formerly nonmetropolitan counties were added to the CMSA and to the Washington, DC-MD-VA-WV PMSA. Four formerly separate NECMA's were merged into the Boston NECMA, which now extends north to include Rochester, Portsmouth, and Manchester, NH; west to include Fitchburg and Worcester, MA; and south to include Fall River and New Bedford, MA. The most striking change to the New York CMSA was to its internal structure. Five former PMSA's in New Jersey and one former PMSA on Long Island were merged into the former New York, NY PMSA, which is now called the New York-Newark, NY-NJ-PA PMSA (a formerly nonmetropolitan county in Pennsylvania was also added).[5] The internal structure of the Chicago CMSA was also changed, as three former PMSA's were merged into the Chicago, IL PMSA, which now comprises all of the Illinois portion of the CMSA except the newly added Kankakee, IL PMSA. The Philadelphia CMSA was changed in composition, as the Trenton, NJ PMSA was transferred to the New York CMSA, and as the former Atlantic City, NJ MSA was added as the Atlantic-Cape May, NJ PMSA.

Tables 1 and 2 follow beginning on page 67.

3. For the New England region, BEA uses a county-based definition of MA's, rather then a definition in terms of cities and towns, because the available data for cities and towns are insufficient.

A list of the metropolitan areas and their definitions (Accession Number PB 93–111–7313) is available from the National Technical Information Service (NTIS); write to NTIS, Document Sales, 5205 Port Royal Road, Springfield, VA 22161, or call (703) 487–4650.

4. For the purposes of MA definition, many counties that are commonly considered to be suburban in character are defined as central counties.

5. OMB has some of the changes to the PMSA composition of the New York CMSA under reconsideration, but no changes to the current MA definitions will be reflected in the BEA estimates until April 1994.

Data Availability

Personal income by type of payment and earnings by Standard Industrial Classification (SIC) division, as shown in table A, are available for metropolitan areas and counties for 1969–91. A version of this table that presents earnings by SIC two-digit industry is also available. In addition, there are supplemental tables for employment by SIC division (the "one-digit" level), for transfer payments by program, and for major categories of farm income and expenses.

These tables are available on magnetic tapes, computer printouts, microcomputer diskettes, and a CD-ROM. Each table for all years of data for all the metropolitan areas or for all the counties is available on a single reel of magnetic tape, but the more detailed (SIC two-digit industry) income table requires two reels at standard blocksize; the price of each reel of magnetic tape is $100. The tables on computer printouts are priced by the page; the minimum charge is $10. The tables on diskette are priced at $20 per diskette.

The entire set of these tables for all counties and metropolitan areas and for all years will be available on a CD-ROM to be released in June 1993. This CD-ROM will also contain quarterly State estimates of personal income for 1969–92, gross state product for 1977–89, projections of State and metropolitan area personal income and employment to 2040, and a description of the sources and methods used to estimate local area personal income. The CD-ROM is designed for use with microcomputers equipped with the MS-DOS operating system and includes a program to help users select, display, print, and copy the tables. The price is $35.00.

Materials available without charge include a sample packet of all available tables, a list of the State agencies and university research bureaus from which the BEA State and local area estimates can be obtained, and the description of sources and methods used to prepare the local area estimates.

All of these materials are available from the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230. Until June 18, 1993, the phone number is (202) 254–6630; after June 18, call (202) 606–5360.

Table A.—Example of Available Data for Local Areas: Personal Income by Major Source and Earnings by Major Industry, 1986–91 [1]

[Thousands of dollars]

	New London County, Connecticut					
	1986	1987	1988	1989	1990	1991
Income by Place of Residence						
Total personal income	4,079,670	4,401,289	4,670,110	5,012,395	5,171,023	5,313,030
Nonfarm personal income	4,046,686	4,362,729	4,628,078	4,968,263	5,114,590	5,261,961
Farm income [2]	32,984	38,560	42,032	44,132	56,433	51,069
Population (thousands) [3]	249.1	251.0	254.3	254.9	255.1	254.7
Per capita personal income (dollars)	16,375	17,538	18,367	19,667	20,269	20,863
Derivation of total personal income:						
Total earnings by place of work	3,035,287	3,302,610	3,499,725	3,697,763	3,759,125	3,867,219
Less: Personal cont. for social insur. [4]	184,096	205,714	225,425	247,000	250,377	264,095
Plus: Adjustment for residence [5]	11,480	32,248	63,995	78,985	93,758	56,509
Equals: Net earn. by place of residence	2,862,671	3,129,144	3,338,295	3,529,748	3,602,506	3,659,633
Plus: Dividends, interest, and rent [6]	704,328	735,013	764,542	857,923	863,104	869,122
Plus: Transfer payments	512,671	537,132	567,273	624,724	705,413	784,275
Earnings by Place of Work						
Earnings by type:						
Wages and salaries	2,589,149	2,811,204	2,963,982	3,124,170	3,157,560	3,246,391
Other labor income	247,052	256,349	277,775	306,268	311,999	335,744
Proprietors' income [7]	199,086	235,057	257,968	267,325	289,566	285,084
Farm	22,847	28,028	31,234	32,294	41,998	36,922
Nonfarm	176,239	207,029	226,734	235,031	247,568	248,162
Earnings by industry:						
Farm	32,984	38,560	42,032	44,132	56,433	51,069
Nonfarm	3,002,303	3,264,050	3,457,693	3,653,631	3,702,692	3,816,150
Private	2,314,014	2,516,242	2,664,793	2,810,889	2,809,281	2,880,661
Ag. serv., for., fish., and other [8]	8,711	12,019	14,561	13,339	14,691	15,145
Mining	–1,093	964	2,948	2,474	3,622	4,649
Construction	172,172	191,279	233,873	244,049	185,976	170,939
Manufacturing	1,069,993	1,085,737	1,046,340	1,101,008	1,115,419	1,151,970
Nondurable goods	251,223	263,609	271,464	291,077	307,796	329,644
Durable goods	818,770	822,128	774,876	809,931	807,623	822,326
Transportation and public utilities	155,873	170,358	175,427	192,917	193,751	208,036
Wholesale trade	75,387	88,247	96,021	103,446	97,666	98,950
Retail trade	300,438	327,170	358,499	366,397	347,945	340,053
Finance, insurance, and real estate	48,017	80,656	86,129	77,439	82,119	72,387
Services	484,516	559,812	650,995	709,820	768,092	818,532
Government and government enterprises	688,289	747,808	792,900	842,742	893,411	935,489
Federal, civilian	119,676	132,857	140,846	144,193	157,534	155,633
Military	291,095	298,028	296,219	298,470	310,204	315,756
State and local	277,518	316,923	355,835	400,079	425,673	464,100

1. 1986-87 based on 1972 SIC. 1988-91 based on 1987 SIC.
2. Farm income consists of proprietors' net farm income, the wages of hired labor, the pay-in-kind of hired farm labor, and the salaries of officers of corporate farms.
3. Census Bureau midyear population estimates. 1986-89 are revised as of January 1992 to reflect 1980 and 1990 Census population counts. The 1991 Census county population estimates have been adjusted by BEA to be consistent with 1991 Census State population estimates released in January 1993.
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 wages and salaries of U.S. residents employed by international organizations and foreign embassies and consulates in the U.S.

D Not shown to avoid disclosure of confidential information.
L Less than $50,000. Estimates are included in totals.

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1989–91

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in U.S. 1991
United States[1]	**4,367,719**	**4,648,867**	**4,813,897**	**3.5**	**17,696**	**18,635**	**19,091**	.....
Metropolitan portion	**3,677,357**	**3,914,763**	**4,049,328**	**3.4**	**18,783**	**19,747**	**20,198**	.....
Nonmetropolitan portion	**690,362**	**734,104**	**764,569**	**4.1**	**13,526**	**14,333**	**14,795**	.....
Consolidated Metropolitan Statistical Areas								
Chicago-Gary-Kenosha, IL-IN-WI	169,284	180,082	185,545	3.0	20,604	21,823	22,255	.....
Cincinnati-Hamilton, OH-KY-IN	31,324	33,610	34,898	3.8	17,338	18,445	18,937	.....
Cleveland-Akron, OH	52,227	55,236	56,416	2.1	18,248	19,312	19,589	.....
Dallas-Fort Worth, TX	74,294	79,524	83,342	4.8	18,732	19,570	20,157	.....
Denver-Boulder-Greeley, CO	38,239	40,760	43,078	5.7	19,403	20,542	21,170	.....
Detroit-Ann Arbor-Flint, MI	100,729	104,786	106,651	1.8	19,468	20,174	20,402	.....
Houston-Galveston-Brazoria, TX	66,102	72,280	77,190	6.8	17,892	19,300	20,007	.....
Los Angeles-Riverside-Orange County, CA	282,586	301,424	306,481	1.7	19,825	20,600	20,683	.....
Miami-Fort Lauderdale, FL	59,731	63,230	65,008	2.8	19,048	19,684	19,980	.....
Milwaukee-Racine, WI	29,775	31,653	32,730	3.4	18,655	19,639	20,168	.....
New York-No. New Jersey-Long Island, NY-NJ-CT-PA	465,161	490,980	500,515	1.9	23,907	25,212	25,676	.....
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	119,688	127,197	131,012	3.0	20,388	21,546	22,125	.....
Portland-Salem, OR-WA	30,472	33,033	34,866	5.5	17,368	18,275	18,775	.....
Sacramento-Yolo, CA	25,976	28,405	29,904	5.3	17,964	19,016	19,519	.....
San Francisco-Oakland-San Jose, CA	144,996	156,146	161,221	3.2	23,477	24,860	25,463	.....
Seattle-Tacoma-Bremerton, WA	55,883	61,587	65,302	6.0	19,377	20,523	21,425	.....
Washington-Baltimore, DC-MD-VA-WV	149,788	158,709	163,407	3.0	22,507	23,496	23,959	.....
Metropolitan Statistical Areas[4]								
Abilene, TX	1,779	1,839	1,939	5.4	14,876	15,360	16,347	201
Akron, OH*	11,171	11,845	12,117	2.3	17,025	17,992	18,234	106
Albany, GA	1,530	1,633	1,719	5.3	13,540	14,522	15,133	260
Albany-Schenectady-Troy, NY	15,728	16,650	17,196	3.3	18,294	19,306	19,783	60
Albuquerque, NM	9,139	9,704	10,285	6.0	15,691	16,335	17,040	162
Alexandria, LA	1,760	1,877	2,007	6.9	13,283	14,296	15,230	253
Allentown-Bethlehem-Easton, PA	10,611	11,200	11,548	3.1	17,979	18,759	19,176	75
Altoona, PA	1,803	1,912	1,994	4.3	13,784	14,646	15,175	257
Amarillo, TX	2,939	3,071	3,234	5.3	15,741	16,343	17,042	161
Anchorage, AK	5,152	5,501	5,767	4.8	22,637	24,340	24,464	11
Ann Arbor, MI*	9,931	10,465	10,654	1.8	20,484	21,267	21,369	33
Anniston, AL	1,527	1,601	1,672	4.4	13,090	13,817	14,434	278
Appleton-Oshkosh-Neenah, WI	5,044	5,391	5,634	4.5	16,150	17,050	17,618	139
Asheville, NC	2,968	3,246	3,405	4.9	15,572	16,882	17,451	147
Athens, GA	1,775	1,905	1,971	3.5	14,202	15,028	15,428	243
Atlanta, GA	55,619	59,719	61,956	3.7	19,133	20,042	20,304	48
Atlantic-Cape May, NJ*	7,445	7,876	8,022	1.9	23,507	24,575	24,856	10
Augusta-Aiken, GA-SC	5,962	6,531	6,828	4.6	15,201	16,483	16,792	176
Austin-San Marcos, TX	13,182	14,694	15,805	7.6	15,898	17,236	18,081	112
Bakersfield, CA	7,866	8,559	8,954	4.6	14,760	15,639	15,791	229
Baltimore, MD*	48,442	51,501	52,778	2.5	20,499	21,551	21,874	29
Bangor, ME (NECMA)	2,176	2,300	2,361	2.7	14,937	15,649	16,043	217
Barnstable-Yarmouth, MA (NECMA)	4,189	4,313	4,381	1.6	22,733	23,002	23,319	16
Baton Rouge, LA	7,138	7,633	8,148	6.8	15,120	16,254	17,032	163
Beaumont-Port Arthur, TX	5,533	5,870	6,371	8.5	15,262	16,264	17,361	151
Bellingham, WA	1,855	2,090	2,227	6.5	14,912	16,207	16,754	178
Benton Harbor, MI	2,500	2,595	2,676	3.1	15,527	16,061	16,576	187
Billings, MT	1,793	1,879	2,043	8.7	15,768	16,574	17,608	141
Biloxi-Gulfport-Pascagoula, MS	3,910	4,159	4,405	5.9	12,507	13,313	13,930	284
Binghamton, NY	4,434	4,616	4,783	3.6	16,730	17,456	18,048	114
Birmingham, AL	13,810	14,839	15,489	4.4	16,490	17,634	18,210	107
Bismarck, ND	1,248	1,339	1,415	5.7	14,794	15,998	16,702	182
Bloomington, IN	1,461	1,574	1,647	4.6	13,535	14,391	14,957	270
Bloomington-Normal, IL	2,263	2,459	2,557	4.0	17,876	18,894	19,401	66
Boise City, ID	4,665	5,098	5,466	7.2	16,070	17,116	17,625	136
Boston-Brockton-Nashua, MA-NH (NECMA)	126,238	130,704	132,931	1.7	22,215	22,971	23,480	14
Boulder-Longmont, CO*	4,541	4,885	5,145	5.3	20,335	21,604	22,169	24
Brazoria, TX*	3,265	3,530	3,804	7.8	17,113	18,378	19,104	76
Bremerton, WA*	2,944	3,233	3,516	8.7	16,007	16,859	17,488	144
Brownsville-Harlingen-San Benito, TX	2,236	2,469	2,641	7.0	8,709	9,448	9,824	301
Bryan-College Station, TX	1,425	1,519	1,610	6.0	11,781	12,430	13,068	293
Buffalo-Niagra Falls, NY	20,160	21,273	22,038	3.6	16,884	17,902	18,466	94
Burlington, VT (NECMA)	3,155	3,384	3,467	2.5	18,019	19,030	19,369	68
Canton-Massillon, OH	6,142	6,523	6,660	2.1	15,569	16,550	16,778	177
Casper, WY	1,008	1,111	1,146	3.2	16,105	18,265	18,461	95
Cedar Rapids, IA	2,976	3,142	3,256	3.6	17,764	18,559	19,079	79
Champaign-Urbana, IL	2,751	2,944	3,038	3.2	15,947	16,990	17,460	145
Charleston-North Charleston, SC	6,329	7,586	7,958	4.9	12,642	14,897	15,200	256
Charleston, WV	3,862	4,161	4,397	5.7	15,319	16,645	17,343	152
Charlotte-Gastonia-Rock Hill, NC-SC	20,037	21,690	22,312	2.9	17,502	18,562	18,757	88
Charlottesville, VA	2,371	2,510	2,570	2.4	18,250	19,081	19,240	71
Chattanooga, TN-GA	6,254	6,639	6,886	3.7	15,720	16,588	17,069	160
Cheyenne, WY	1,168	1,248	1,307	4.7	16,023	17,043	17,664	131
Chicago, IL*	156,220	166,223	171,283	3.0	21,146	22,395	22,849	17
Chico-Paradise, CA	2,523	2,731	2,836	3.8	14,104	14,900	15,172	258
Cincinnati, OH-KY-IN*	26,726	28,703	29,759	3.7	17,603	18,766	19,273	70
Clarksville-Hopkinsville, TN-KY	2,033	2,100	2,210	5.2	12,142	12,338	13,033	294
Cleveland-Lorain-Elyria, OH*	41,056	43,390	44,298	2.1	18,611	19,706	19,995	53
Colorado Springs, CO	6,456	6,705	7,138	6.5	16,474	16,807	17,651	134
Columbia, MO	1,798	1,922	2,046	6.5	16,114	17,055	17,782	126
Columbia, SC	7,374	7,923	8,214	3.7	16,405	17,421	17,708	130
Columbus, GA-AL	3,694	3,917	4,064	3.8	14,111	15,028	15,401	244
Columbus, OH	23,111	24,527	25,526	4.1	17,345	18,161	18,630	90
Corpus Christi, TX	4,675	5,086	5,443	7.0	13,391	14,521	15,273	250
Cumberland, MD-WV	1,364	1,442	1,504	4.3	13,400	14,187	14,768	274
Dallas, TX*	51,031	54,651	57,224	4.7	19,403	20,291	20,892	37
Danville, VA	1,568	1,622	1,663	2.5	14,175	14,989	15,221	254
Davenport-Moline-Rock Island, IA-IL	5,819	6,230	6,412	2.9	16,507	17,776	18,092	111
Dayton-Springfield, OH	16,135	16,965	17,499	3.1	17,011	17,808	18,302	103
Daytona Beach, FL	5,863	6,292	6,511	3.5	15,161	15,574	15,742	230
Decatur, AL	1,832	1,985	2,093	5.5	13,998	15,056	15,631	236
Decatur, IL	1,998	2,093	2,152	2.9	16,893	17,898	18,258	104
Denver, CO*	31,747	33,827	35,787	5.8	19,646	20,802	21,441	31
Des Moines, IA	7,258	7,877	8,230	4.5	18,674	19,962	20,570	43
Detroit, MI*	83,835	87,112	88,465	1.6	19,686	20,394	20,585	42
Dothan, AL	1,832	1,945	2,056	5.7	14,038	14,828	15,564	242
Dover, DE	1,544	1,624	1,708	5.2	14,069	14,565	14,924	271
Dubuque, IA	1,289	1,383	1,431	3.5	14,924	15,992	16,469	193
Duluth-Superior, MN-WI	3,450	3,645	3,851	5.7	14,321	15,200	15,979	222
Dutchess County, NY*	5,412	5,676	5,768	1.6	20,913	21,848	22,093	27
Eau Claire, WI	1,982	2,105	2,185	3.8	14,510	15,261	15,697	233
El Paso, TX	6,398	6,809	7,198	5.7	10,992	11,441	11,764	299
Elkhart-Goshen, IN	2,518	2,603	2,657	2.1	16,321	16,585	16,857	168
Elmira, NY	1,442	1,511	1,569	3.8	15,151	15,868	16,486	190
Enid, OK	869	909	930	2.4	15,074	16,095	16,489	189
Erie, PA	4,220	4,474	4,693	4.9	15,284	16,239	16,886	167
Eugene-Springfield, OR	4,193	4,487	4,651	3.7	15,083	15,760	16,145	211
Evansville-Henderson, IN-KY	4,586	4,871	5,021	3.1	16,473	17,438	17,863	122
Fargo-Moorhead, ND-MN	2,246	2,444	2,541	4.0	14,712	15,917	16,354	200
Fayetteville, NC	3,412	3,559	3,755	5.5	12,497	12,933	13,582	290
Fayetteville-Springdale-Rogers, AR	3,028	3,315	3,487	5.2	14,555	15,634	15,987	221
Flint, MI*	6,963	7,209	7,532	4.5	16,168	16,743	17,459	146
Florence, AL	1,689	1,847	1,943	5.2	12,798	14,084	14,600	276
Florence, SC	1,499	1,703	1,799	5.7	13,149	14,867	15,369	246
Fort Collins-Loveland, CO	2,959	3,211	3,400	5.9	16,127	17,162	17,657	132
Fort Lauderdale, FL*	26,795	28,412	29,112	2.5	21,764	22,478	22,620	19
Fort Myers-Cape Coral, FL	6,019	6,501	6,723	3.4	18,629	19,150	19,392	67
Fort Pierce-Port St. Lucie, FL	4,660	5,145	5,312	3.2	19,284	20,215	20,447	46
Fort Smith, AR-OK	2,305	2,469	2,558	3.6	13,187	13,997	14,324	280
Fort Walton Beach, FL	2,120	2,292	2,459	7.3	15,038	15,832	16,574	188
Fort Wayne, IN	7,785	8,141	8,270	1.6	17,191	17,788	17,962	119
Fort Worth-Arlington, TX*	23,263	24,873	26,118	5.0	17,412	18,153	18,714	89
Fresno, CA	11,117	12,122	12,490	3.0	15,023	15,926	15,994	219
Gadsden, AL	1,277	1,328	1,374	3.5	12,769	13,299	13,739	289
Gainesville, FL	2,708	2,947	3,120	5.9	15,151	16,139	16,743	179
Galveston-Texas City, TX*	3,599	3,822	4,083	6.8	16,627	17,549	18,316	102
Gary, IN*	9,462	10,013	10,280	2.7	15,630	16,564	16,811	174
Glens Falls, NY	1,765	1,849	1,913	3.5	14,983	15,560	15,933	225
Goldsboro, NC	1,312	1,393	1,459	4.8	12,624	13,270	13,756	286
Grand Forks, ND-MN	1,401	1,508	1,547	2.6	13,542	14,621	15,020	266
Grand Rapids-Muskegon-Holland, MI	15,676	16,600	17,162	3.4	16,905	17,624	18,008	116
Great Falls, MT	1,212	1,256	1,343	7.0	15,567	16,170	17,104	158
Greeley, CO*	1,951	2,048	2,147	4.8	14,827	15,518	16,052	216
Green Bay, WI	3,294	3,562	3,740	5.0	17,111	18,230	18,837	86
Greensboro-Winston-Salem-High Point, NC	18,696	19,668	20,195	2.7	17,965	18,661	18,943	83
Greenville, NC	1,587	1,753	1,852	5.6	14,927	16,154	16,729	180
Greenville-Spartanburg-Anderson, SC	12,463	13,352	13,775	3.2	15,140	16,021	16,333	203
Hagerstown, MD*	1,892	1,985	2,074	4.5	15,712	16,304	16,845	172
Hamilton-Middletown, OH*	4,598	4,907	5,139	4.7	15,939	16,768	17,200	154
Harrisburg-Lebanon-Carlisle, PA	9,941	10,534	10,971	4.1	16,997	17,875	18,430	97
Hartford, CT (NECMA)	26,223	27,502	27,965	1.7	23,392	24,443	24,911	9
Hickory-Morganton, NC	4,429	4,687	4,804	2.5	15,242	15,987	16,247	206
Honolulu, HI	16,270	17,992	18,841	4.7	19,638	21,440	22,102	26
Houma, LA	2,138	2,296	2,434	6.0	11,614	12,577	13,152	292
Houston, TX*	59,238	64,927	69,303	6.7	18,020	19,468	20,169	50
Huntington-Ashland, WV-KY-OH	3,816	4,049	4,225	4.3	13,164	14,070	14,622	275
Huntsville, AL	4,925	5,320	5,636	5.9	16,954	18,092	18,763	87
Indianapolis, IN	24,773	26,656	27,900	4.7	18,072	19,253	19,844	56
Iowa City, IA	1,593	1,721	1,801	4.7	16,862	17,790	18,524	92
Jackson, MI	2,257	2,339	2,418	3.4	15,175	15,575	16,039	218
Jackson, MS	5,776	6,111	6,411	4.9	14,670	15,424	15,991	220
Jacksonville, FL	14,944	16,030	16,747	4.5	16,799	17,561	17,937	120
Jacksonville, NC	1,536	1,490	1,518	1.9	10,431	9,879	10,537	300
Jamestown, NY	2,044	2,145	2,222	3.6	14,336	15,133	15,628	237
Janesville-Beloit, WI	2,150	2,299	2,326	1.2	15,451	16,454	16,461	194
Johnson City-Kingsport-Bristol, TN-VA	5,919	6,371	6,668	4.7	13,562	14,609	15,121	262
Johnstown, PA	3,248	3,443	3,611	4.9	13,369	14,298	14,961	269
Joplin, MO	1,832	1,939	2,054	5.9	13,657	14,339	15,092	265
Kalamazoo-Battle Creek, MI	6,905	7,185	7,529	4.8	16,170	16,692	17,397	148
Kankakee, IL*	1,473	1,601	1,667	4.1	15,283	16,630	17,080	159
Kansas City, MO-KS	29,098	30,706	31,985	4.2	18,534	19,336	19,963	54
Kenosha, WI*	2,128	2,246	2,315	3.1	16,771	17,452	17,560	142
Killeen-Temple, TX	3,221	3,372	3,404	1.0	12,797	13,140	13,742	288
Knoxville, TN	8,987	9,594	10,106	5.3	15,414	16,337	16,846	171
Kokomo, IN	1,644	1,690	1,741	3.0	16,864	17,460	17,754	128
La Crosse, WI-MN	1,812	1,947	2,019	3.7	15,690	16,679	17,253	153
Lafayette, LA	4,278	4,670	4,979	6.6	12,306	13,566	14,215	282
Lafayette, IN	2,385	2,553	2,651	3.8	14,857	15,763	16,184	210
Lake Charles, LA	2,244	2,455	2,614	6.5	13,291	14,613	15,363	247
Lakeland-Winter Haven, FL	5,769	6,043	6,294	4.1	14,520	14,803	15,241	251

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in U.S. 1991
Lancaster, PA	7,513	8,026	8,209	2.3	18,015	18,884	19,071	80
Lansing-East Lansing, MI	7,112	7,469	7,753	3.8	16,531	17,221	17,777	127
Laredo, TX	1,058	1,188	1,332	12.2	8,121	8,840	9,529	302
Las Cruces, NM	1,452	1,574	1,664	5.7	10,792	11,587	11,831	298
Las Vegas, NV-AZ	14,009	16,055	17,075	6.4	17,363	18,483	18,474	93
Lawrence, KS	1,087	1,158	1,219	5.3	13,494	14,078	14,590	277
Lawton, OK	1,433	1,491	1,548	3.8	12,807	13,386	13,862	285
Lewiston-Auburn, ME (NECMA)	1,633	1,704	1,744	2.3	15,582	16,161	16,682	183
Lexington, KY	6,578	7,141	7,475	4.7	16,415	17,506	18,142	110
Lima, OH	2,375	2,473	2,535	2.5	15,416	16,004	16,369	199
Lincoln, NE	3,503	3,794	3,992	5.2	16,567	17,692	18,429	98
Little Rock-North Little Rock, AR	8,063	8,690	9,163	5.4	15,796	16,898	17,610	140
Longview-Marshall, TX	2,772	2,947	3,113	5.6	14,321	15,193	15,839	228
Los Angeles-Long Beach, CA *	173,571	184,760	188,230	1.9	19,856	20,744	20,967	36
Louisville, KY-IN	16,203	17,369	18,105	4.2	17,116	18,283	18,912	84
Lubbock, TX	3,165	3,378	3,498	3.5	14,301	15,138	15,577	241
Lynchburg, VA	2,949	3,103	3,170	2.2	15,259	15,976	16,113	212
Macon, GA	4,470	4,704	4,902	4.2	15,394	16,157	16,611	185
Madison, WI	6,733	7,359	7,750	5.3	18,580	19,950	20,629	41
Mansfield, OH	2,571	2,650	2,673	.9	14,740	15,236	15,348	248
McAllen-Edinburg-Mission, TX	3,070	3,402	3,687	8.3	8,166	8,807	9,230	303
Medford-Ashland, OR	2,118	2,296	2,407	4.9	14,772	15,570	15,953	223
Melbourne-Titusville-Palm Bay, FL	6,624	7,101	7,459	5.0	17,060	17,629	18,009	115
Memphis, TN-AR-MS	16,635	17,813	18,714	5.1	16,601	17,645	18,331	101
Merced, CA	2,253	2,399	2,482	3.5	12,866	13,358	13,403	291
Miami, FL *	32,936	34,818	35,895	3.1	17,292	17,871	18,252	105
Milwaukee-Waukesha, WI *	26,749	28,417	29,367	3.3	18,811	19,785	20,325	47
Minneapolis-St. Paul, MN-WI	50,842	53,949	55,962	3.7	20,313	21,138	21,665	30
Mobile, AL	6,319	6,822	7,353	7.8	13,335	14,268	15,134	259
Modesto, CA	5,188	5,655	5,887	4.1	14,375	15,119	15,221	254
Monroe, LA	1,830	1,941	2,065	6.4	12,820	13,662	14,396	279
Montgomery, AL	4,534	4,837	5,106	5.6	15,523	16,519	17,158	157
Muncie, IN	1,740	1,849	1,927	4.2	14,500	15,455	16,080	215
Myrtle Beach, SC	1,844	2,141	2,251	5.1	13,075	14,750	15,127	261
Naples, FL	3,754	4,157	4,301	3.5	25,745	26,920	26,935	5
Nashville, TN	17,155	18,132	19,120	5.4	17,622	18,324	19,059	81
New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT *	42,904	45,060	45,748	1.5	26,281	27,602	28,021	3
New London-Norwich, CT (NECMA)	5,012	5,171	5,313	2.7	19,667	20,269	20,863	38
New Orleans, LA	19,684	20,917	21,999	5.2	15,181	16,314	16,959	165
New York-Newark, NY-NJ-PA *	402,995	425,521	433,921	2.0	23,794	25,110	25,583	7
Norfolk-Virginia Beach-Newport News, VA-NC	22,659	23,850	24,942	4.6	15,899	16,448	17,030	164
Oakland, CA *	45,177	48,437	49,735	2.7	22,008	23,135	23,545	13
Ocala, FL	2,537	2,727	2,866	5.1	13,456	13,835	14,158	283
Odessa-Midland, TX	3,678	3,902	4,136	6.0	16,271	17,304	17,980	117
Oklahoma City, OK	14,907	15,648	16,318	4.3	15,576	16,302	16,799	175
Olympia, WA *	2,536	2,797	3,047	8.9	16,215	17,162	17,966	118
Omaha, NE-IA	10,942	11,853	12,374	4.4	17,216	18,485	19,037	82
Orange County, CA *	55,381	58,637	58,808	.3	23,390	24,172	24,077	12
Orange County, NY *	5,771	6,023	6,175	2.5	18,982	19,489	19,802	58
Orlando, FL	20,183	21,755	22,625	4.0	17,018	17,562	17,832	125
Owensboro, KY	1,294	1,377	1,437	4.4	14,892	15,765	16,387	198
Panama City, FL	1,730	1,893	2,033	7.4	13,866	14,812	15,580	240
Parkersburg-Marietta, WV-OH	2,117	2,247	2,341	4.2	14,128	15,080	15,671	235
Pensacola, FL	4,774	5,121	5,423	5.9	14,077	14,788	15,328	249
Peoria-Pekin, IL	5,775	6,152	6,289	2.2	16,999	18,139	18,383	99
Philadelphia, PA-NJ *	99,311	105,392	108,706	3.1	20,232	21,381	22,014	28
Phoenix-Mesa, AZ	37,893	40,112	41,497	3.5	17,148	17,834	18,156	109
Pine Bluff, AR	1,079	1,140	1,170	2.6	12,570	13,345	13,749	287
Pittsburgh, PA	41,936	45,104	47,061	4.3	17,423	18,856	19,579	61
Pittsfield, MA (NECMA)	2,703	2,791	2,830	1.4	19,240	20,075	20,513	44
Portland, ME (NECMA)	4,876	5,158	5,214	1.1	20,230	21,142	21,351	35
Portland-Vancouver, OR-WA *	26,442	28,633	30,198	5.5	17,844	18,744	19,235	72
Providence-Warwick, RI (NECMA)	16,382	17,086	17,509	2.5	17,934	18,618	19,088	77
Provo-Orem, UT	2,776	3,070	3,360	9.5	10,663	11,592	12,467	296
Pueblo, CO	1,634	1,724	1,826	5.9	13,252	14,014	14,795	273
Punta Gorda, FL	1,727	1,895	1,964	3.6	16,296	16,798	16,842	173
Racine, WI *	3,026	3,235	3,362	3.9	17,381	18,442	18,894	85
Raleigh-Durham-Chapel Hill, NC	15,391	16,810	17,801	5.9	18,332	19,514	20,170	49
Rapid City, SD	1,169	1,279	1,353	5.9	14,562	15,640	16,106	213
Reading, PA	6,317	6,607	6,776	2.6	18,915	19,573	19,868	55
Redding, CA	2,201	2,425	2,552	5.2	15,252	16,383	16,579	186
Reno, NV	5,225	5,716	5,927	3.7	21,461	22,122	22,561	22
Richland-Kennewick-Pasco, WA	2,291	2,483	2,704	8.9	15,426	16,487	17,392	149
Richmond-Petersburg, VA	17,391	18,527	18,876	1.9	20,327	21,310	21,416	32
Riverside-San Bernardino, CA *	40,241	44,121	45,466	3.0	16,172	16,802	16,707	181
Roanoke, VA	4,045	4,319	4,401	1.9	17,993	19,245	19,417	65
Rochester, MN	2,037	2,213	2,330	5.3	19,392	20,680	21,354	34
Rochester, NY	20,478	21,433	22,293	4.0	19,279	20,161	20,784	39
Rockford, IL	5,613	5,872	6,027	2.6	17,083	17,783	17,936	121
Rocky Mount, NC	1,904	2,030	2,135	5.2	14,385	15,195	15,841	227
Sacramento, CA *	23,424	25,718	27,128	5.5	17,914	19,026	19,540	63
Saginaw-Bay City-Midland, MI	6,558	6,840	7,065	3.3	16,443	17,114	17,631	135
St. Cloud, MN	2,071	2,186	2,258	3.3	14,063	14,609	14,912	272
St. Joseph, MO	1,472	1,541	1,613	4.7	15,029	15,770	16,471	191
St. Louis, MO-IL	47,250	49,848	51,413	3.1	19,023	19,965	20,507	45
Salem, OR *	4,029	4,400	4,668	6.1	14,784	15,716	16,255	204
Salinas, CA	6,332	6,868	7,108	3.5	18,028	19,223	19,572	62
Salt Lake City-Ogden, UT	15,113	16,252	17,298	6.4	14,244	15,097	15,687	234
San Angelo, TX	1,443	1,515	1,601	5.7	14,807	15,334	16,252	205
San Antonio, TX	19,398	20,311	21,501	5.9	14,855	15,252	15,950	224
San Diego, CA	45,923	48,723	50,463	3.6	18,824	19,341	19,799	59
San Francisco, CA *	44,364	47,923	49,570	3.4	27,802	29,828	30,555	1
San Jose, CA *	35,400	37,894	39,077	3.1	23,913	25,201	25,955	6
San Luis Obispo-Atascadero-Paso Robles, CA	3,504	3,703	3,827	3.3	16,478	16,926	17,499	143
Santa Barbara-Santa Maria-Lompoc, CA	7,636	8,024	8,461	5.4	20,942	21,607	22,611	20
Santa Cruz-Watsonville, CA *	4,257	4,978	5,172	3.9	18,799	21,558	22,554	23
Santa Fe, NM	2,002	2,263	2,409	6.4	17,433	19,201	20,154	51
Santa Rosa, CA *	7,954	8,431	8,770	4.0	20,940	21,549	22,156	25
Sarasota-Bradenton, FL	10,306	10,983	11,316	3.0	21,623	22,232	22,580	21
Savannah, GA	4,104	4,364	4,506	3.3	15,995	16,873	17,161	156
Scranton-Wilkes-Barre-Hazelton, PA	9,894	10,438	10,836	3.8	15,477	16,347	16,912	166
Seattle-Bellevue-Everett, WA *	41,539	45,763	48,337	5.6	21,051	22,276	23,329	15
Sharon, PA	1,724	1,829	1,915	4.7	14,193	15,130	15,731	232
Sheboygan, WI	1,782	1,863	1,918	2.9	17,247	17,898	18,365	100
Sherman-Denison, TX	1,437	1,507	1,574	4.4	15,172	15,833	16,398	196
Shreveport-Bossier City, LA	5,398	5,651	5,951	5.3	14,226	15,050	15,897	226
Sioux City, IA-NE	1,763	1,882	1,959	4.1	15,392	16,334	16,857	168
Sioux Falls, SD	2,271	2,507	2,657	6.0	16,398	17,968	18,597	91
South Bend, IN	4,054	4,256	4,384	3.0	16,487	17,193	17,625	136
Spokane, WA	5,449	5,888	6,302	7.0	15,290	16,216	16,857	168
Springfield, IL	3,448	3,674	3,795	3.3	18,231	19,360	19,822	57
Springfield, MO	3,951	4,236	4,487	5.9	15,137	15,948	16,628	184
Springfield, MA (NECMA)	10,893	11,210	11,543	3.0	18,061	18,587	19,197	74
State College, PA	1,792	1,926	2,035	5.7	14,578	15,514	16,244	207
Steubenville-Weirton, OH-WV	1,985	2,098	2,149	2.4	13,732	14,781	15,115	263
Stockton-Lodi, CA	6,921	7,367	7,675	4.2	14,712	15,211	15,582	239
Sumter, SC	1,110	1,214	1,283	5.6	10,942	11,779	12,254	297
Syracuse, NY	12,451	13,206	13,531	2.5	16,774	17,786	18,063	113
Tacoma, WA *	8,865	9,794	10,402	6.2	15,540	16,551	17,184	155
Tallahassee, FL	3,408	3,720	3,948	6.1	14,874	15,818	16,422	195
Tampa-St. Petersburg-Clearwater, FL	35,414	37,437	38,761	3.5	17,472	17,977	18,445	96
Terre Haute, IN	2,063	2,146	2,245	4.6	13,948	14,547	15,113	264
Texarkana, TX-Texarkana, AR	1,616	1,733	1,807	4.3	13,506	14,401	15,004	268
Toledo, OH	10,342	10,705	10,882	1.7	16,861	17,416	17,713	129
Topeka, KS	2,916	3,044	3,166	4.0	18,159	18,887	19,476	64
Trenton, NJ *	8,079	8,699	8,902	2.3	24,862	26,661	27,263	4
Tucson, AZ	9,886	10,237	10,886	6.3	14,956	15,300	16,087	214
Tulsa, OK	11,613	12,414	12,888	3.8	16,409	17,493	17,837	124
Tuscaloosa, AL	2,032	2,235	2,339	4.6	13,628	14,797	15,236	252
Tyler, TX	2,462	2,625	2,792	6.4	16,411	17,291	18,159	108
Utica-Rome, NY	4,788	5,051	5,197	2.9	15,069	15,962	16,336	202
Vallejo-Fairfield-Napa, CA *	7,843	8,483	8,898	4.9	17,787	18,648	19,086	78
Ventura, CA *	13,393	13,906	13,977	.5	20,409	20,644	20,648	40
Victoria, TX	1,154	1,241	1,335	7.5	15,557	16,677	17,625	136
Vineland-Millville-Bridgeton, NJ *	2,211	2,340	2,447	4.5	16,031	16,937	17,654	193
Visalia-Tulare-Porterville, CA	4,145	4,555	4,608	1.2	13,514	14,515	14,248	281
Waco, TX	2,638	2,801	2,983	6.5	14,048	14,771	15,623	238
Washington, DC-MD-VA-WV *	99,454	105,224	108,555	3.2	23,840	24,797	25,338	8
Waterloo-Cedar Falls, IA	1,850	1,973	2,046	3.7	14,900	15,941	16,390	197
Wausau, WI	1,731	1,862	1,923	3.3	15,098	16,094	16,471	191
West Palm Beach-Boca Raton, FL	21,778	24,043	24,909	3.6	25,994	27,550	28,097	2
Wheeling, WV-OH	2,270	2,381	2,438	2.4	14,083	14,996	15,396	245
Wichita, KS	8,433	8,991	9,483	5.5	17,481	18,482	19,206	73
Wichita Falls, TX	2,087	2,189	2,249	2.7	16,039	16,781	17,363	150
Williamsport, PA	1,786	1,880	1,945	3.4	15,084	15,816	16,234	208
Wilmington-Newark, DE-MD *	10,721	11,589	11,837	2.1	21,140	22,477	22,668	18
Wilmington, NC	1,943	2,137	2,223	4.0	16,327	17,690	17,840	123
Yakima, WA	2,665	2,908	3,152	8.4	14,360	15,306	16,210	209
Yolo, CA *	2,552	2,687	2,776	3.3	18,434	18,919	19,320	69
York, PA	6,305	6,669	6,911	3.6	18,715	19,579	19,998	52
Youngstown-Warren, OH	8,847	9,226	9,493	2.9	14,640	15,375	15,739	231
Yuba City, CA	1,650	1,755	1,903	8.4	13,654	14,237	15,016	267
Yuma, AZ	1,222	1,232	1,393	13.0	11,814	11,681	12,504	295

1. The personal income level shown for the United States is derived as the sum of the county estimates; it differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

2. Percent change was calculated from unrounded data.

3. Per capita personal income was computed using Bureau of the Census midyear population estimates. The year 1989 is revised as of January 1992 to reflect 1980 and 1990 Census population counts. The 1991 Census county population estimates have been adjusted by BEA to be consistent with 1991 Census State population estimates released in January 1993.

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

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
United States[1]	**4,367,719**	**4,648,867**	**4,813,897**	**3.5**	**17,696**	**18,635**	**19,091**	.....
Metropolitan portion	**3,677,357**	**3,914,763**	**4,049,328**	**3.4**	**18,783**	**19,747**	**20,198**	.....
Nonmetropolitan portion	**690,362**	**734,104**	**764,569**	**4.1**	**13,526**	**14,333**	**14,795**	.....
Alabama	**56,222**	**60,281**	**63,510**	**5.4**	**13,950**	**14,899**	**15,526**	.....
Metropolitan portion	**40,346**	**43,374**	**45,704**	**5.4**	**14,943**	**15,979**	**16,616**	.....
Nonmetropolitan portion	**15,877**	**16,908**	**17,806**	**5.3**	**11,934**	**12,697**	**13,288**	.....
Autauga	478	515	553	7.4	13,977	15,042	15,797	7
Baldwin	1,331	1,468	1,603	9.2	13,736	14,853	15,681	8
Barbour	312	334	366	9.8	12,313	13,109	14,240	22
Bibb	189	206	218	5.4	11,482	12,411	12,851	47
Blount	474	513	545	6.3	12,081	13,054	13,684	32
Bullock	102	107	115	7.4	9,291	9,676	10,498	63
Butler	236	247	261	5.7	10,805	11,259	11,982	54
Calhoun	1,527	1,601	1,672	4.4	13,090	13,817	14,434	19
Chambers	471	474	479	1.1	12,711	12,869	12,975	44
Cherokee	228	241	253	5.0	11,743	12,327	12,880	46
Chilton	364	400	428	7.0	11,283	12,299	12,915	45
Choctaw	169	182	190	4.4	10,498	11,350	11,843	56
Clarke	328	351	372	5.9	12,032	12,898	13,512	33
Clay	154	166	175	5.1	11,629	12,561	13,184	41
Cleburne	147	169	176	4.3	11,576	13,242	13,811	30
Coffee	534	547	587	7.2	13,302	13,587	14,529	18
Colbert	634	701	738	5.3	12,188	13,586	14,113	25
Conecuh	163	175	191	8.9	11,429	12,513	13,343	37
Coosa	113	118	123	4.1	10,301	10,690	11,052	62
Covington	431	461	487	5.9	11,821	12,619	13,314	38
Crenshaw	146	152	161	5.9	10,762	11,145	11,847	55
Cullman	866	920	969	5.4	12,856	13,580	14,121	24
Dale	645	665	707	6.3	13,026	13,383	14,197	23
Dallas	534	580	613	5.7	10,998	12,080	12,759	49
De Kalb	704	754	789	4.7	12,925	13,769	14,269	21
Elmore	666	725	773	6.7	13,642	14,677	15,255	10
Escambia	416	445	465	4.5	11,636	12,548	13,038	43
Etowah	1,277	1,328	1,374	3.5	12,769	13,299	13,739	31
Fayette	210	224	232	3.3	11,620	12,513	12,783	48
Franklin	353	385	411	6.9	12,682	13,836	14,654	17
Geneva	304	323	346	7.2	12,817	13,660	14,323	20
Greene	91	101	106	5.8	8,944	9,903	10,412	64
Hale	135	151	160	6.2	8,788	9,685	10,195	65
Henry	187	191	221	15.5	12,215	12,398	14,093	26
Houston	1,187	1,280	1,349	5.4	14,657	15,709	16,392	5
Jackson	576	627	651	4.0	11,985	13,125	13,458	35
Jefferson	11,301	12,066	12,548	4.0	17,301	18,527	19,124	2
Lamar	190	199	207	4.0	12,059	12,685	13,176	42
Lauderdale	1,055	1,147	1,205	5.1	13,195	14,406	14,915	14
Lawrence	315	345	373	8.2	9,990	10,951	11,612	58
Lee	1,109	1,189	1,222	2.8	12,858	13,586	13,891	28
Limestone	720	796	857	7.8	13,417	14,648	15,414	9
Lowndes	147	145	157	8.6	11,619	11,427	12,376	52
Macon	226	237	247	4.2	9,003	9,506	10,035	66
Madison	4,205	4,524	4,778	5.6	17,756	18,872	19,525	1
Marengo	266	282	305	8.2	11,480	12,234	13,185	40
Marion	316	330	345	4.5	10,543	11,086	11,691	57
Marshall	986	1,045	1,095	4.7	13,986	14,731	15,235	12
Mobile	4,989	5,355	5,750	7.4	13,232	14,115	14,989	13
Monroe	269	300	330	10.0	11,313	12,498	13,964	27
Montgomery	3,389	3,597	3,779	5.1	16,215	17,196	17,838	3
Morgan	1,517	1,640	1,720	4.9	15,268	16,347	16,902	4
Perry	108	115	121	4.7	8,401	9,056	9,616	67
Pickens	198	225	233	3.5	9,550	10,887	11,214	61
Pike	328	353	372	5.4	11,901	12,769	13,284	39
Randolph	228	241	249	3.3	11,460	12,112	12,449	51
Russell	568	613	643	4.9	12,138	13,072	13,452	36
St. Clair	588	667	716	7.3	11,900	13,284	13,867	29
Shelby	1,448	1,593	1,680	5.4	15,128	15,816	16,315	6
Sumter	163	174	188	7.8	10,084	10,757	11,586	59
Talladega	852	900	937	4.1	11,466	12,150	12,582	50
Tallapoosa	529	561	582	3.8	13,665	14,419	14,825	16
Tuscaloosa	2,032	2,235	2,339	4.6	13,628	14,797	15,236	11
Walker	910	970	1,016	4.8	13,479	14,313	14,904	15
Washington	192	212	227	6.8	11,516	12,700	13,473	34
Wilcox	139	149	159	6.7	10,171	11,019	11,479	60
Winston	255	250	268	7.2	11,520	11,322	12,164	53
Alaska	**10,898**	**11,503**	**12,062**	**4.9**	**19,918**	**20,867**	**21,144**	.....
Metropolitan portion	**5,152**	**5,501**	**5,767**	**4.8**	**22,637**	**24,340**	**24,464**	.....
Nonmetropolitan portion	**5,746**	**6,002**	**6,295**	**4.9**	**17,981**	**18,453**	**18,806**	.....
Aleutians East Borough	38	42	51	22.1	15,950	16,828	19,223	14
Aleutians West Census Area	136	152	170	12.1	14,774	15,894	17,946	16
Anchorage Borough	5,152	5,501	5,767	4.8	22,637	24,340	24,464	5
Bethel Census Area	166	176	186	5.8	12,318	12,790	13,279	25
Bristol Bay Borough	37	38	40	5.4	27,413	26,596	27,927	1
Denali Borough[4]	.....	.....	34	.....	.....	.....	19,122	15
Dillingham Census Area	102	106	87	-17.8	18,286	18,641	21,219	11
Fairbanks North Star Borough	1,293	1,343	1,406	4.7	16,931	17,167	17,437	19
Haines Borough	64	51	51	-1.6	30,582	24,150	23,667	8
Juneau Borough	654	677	712	5.2	24,774	25,165	25,526	2
Kenai Peninsula Borough	774	804	839	4.4	18,996	19,690	19,736	12
Ketchikan Gateway Borough	311	349	351	.5	22,618	25,207	25,052	3
Kodiak Island Borough	291	263	271	3.1	21,711	19,813	19,386	13
Lake and Peninsula Borough[4]	.....	.....	30	.....	.....	.....	17,783	17
Matanuska-Susitna Borough	549	589	626	6.3	14,068	14,754	14,787	23
Nome Census Area	115	120	123	2.3	14,129	14,446	14,706	24
North Slope Borough	124	139	148	6.1	21,306	23,038	23,848	7
Northwest Artic Borough	84	102	110	8.0	13,956	16,580	17,771	18
Prince of Wales-Outer Ketchikan	96	106	109	2.9	15,681	16,716	16,911	20
Sitka Borough	171	184	189	2.8	20,090	21,319	21,523	10
Skagway-Yakutat-Angoon	80	93	95	2.3	18,607	21,103	22,217	9
Southeast Fairbanks Census Area	80	82	85	3.4	13,397	13,913	14,906	22
Valdez-Cordova Census Area	252	235	253	7.4	25,574	23,540	24,470	4
Wade Hampton Census Area	53	55	58	4.5	9,349	9,460	9,630	26
Wrangell-Petersburg	156	165	171	4.0	22,440	23,247	24,135	6
Yukon-Koyukuk Census Area	121	130	99	-23.8	14,258	15,329	14,956	21
Arizona	**56,270**	**59,524**	**62,195**	**4.5**	**15,535**	**16,169**	**16,594**	.....
Metropolitan portion	**50,059**	**52,787**	**55,070**	**4.3**	**16,329**	**16,929**	**17,350**	.....
Nonmetropolitan portion	**6,211**	**6,738**	**7,125**	**5.7**	**11,159**	**11,961**	**12,414**	.....
Apache	474	505	547	8.4	7,704	8,189	8,760	15
Cochise	1,181	1,267	1,335	5.3	12,140	12,959	13,447	7
Coconino	1,158	1,272	1,357	6.7	12,124	13,113	13,607	6
Gila	441	479	511	6.8	10,920	11,918	12,408	11
Graham	252	276	277	.2	9,504	10,393	10,168	13
Greenlee	94	106	117	10.0	11,285	13,413	13,982	5
La Paz	206	226	221	-2.2	13,232	14,226	16,118	2
Maricopa	36,540	38,734	40,025	3.3	17,442	18,165	18,468	1
Mohave	1,058	1,205	1,294	7.4	11,566	12,781	12,888	8
Navajo	696	744	785	5.5	8,997	9,565	9,938	14
Pima	9,886	10,237	10,886	6.3	14,956	15,300	16,087	3
Pinal	1,353	1,379	1,472	6.8	11,781	11,789	12,436	10
Santa Cruz	320	350	370	5.8	10,984	11,716	11,958	12
Yavapai	1,390	1,513	1,605	6.1	13,234	13,918	14,321	4
Yuma	1,222	1,232	1,393	13.0	11,814	11,681	12,504	9
Arkansas	**30,826**	**33,034**	**34,739**	**5.2**	**13,138**	**14,037**	**14,636**	.....
Metropolitan portion	**15,166**	**16,349**	**17,133**	**4.8**	**14,672**	**15,681**	**16,221**	.....
Nonmetropolitan portion	**15,660**	**16,684**	**17,606**	**5.5**	**11,929**	**12,729**	**13,366**	.....
Arkansas	274	293	306	4.2	12,525	13,590	14,258	23
Ashley	314	342	370	8.4	12,832	14,085	15,100	8
Baxter	428	460	478	3.8	13,842	14,699	14,993	11
Benton	1,461	1,624	1,708	5.2	15,261	16,542	16,826	2
Boone	374	393	410	4.2	13,300	13,853	14,279	22
Bradley	153	162	168	3.9	12,772	13,766	14,306	21
Calhoun	58	56	59	3.8	9,952	9,706	10,088	74
Carroll	252	273	286	5.0	13,636	14,567	14,981	12
Chicot	139	157	167	6.1	8,715	10,053	10,782	68
Clark	262	276	292	6.0	12,105	12,896	13,661	29
Clay	199	215	232	7.9	10,885	11,900	12,866	43
Cleburne	227	240	252	5.3	11,805	12,303	12,679	45
Cleveland	100	100	105	4.5	12,840	12,922	13,406	32
Columbia	355	372	388	4.3	13,761	14,474	15,063	9
Conway	231	244	256	5.1	12,052	12,744	13,347	34
Craighead	868	938	1,002	6.8	12,716	13,549	14,435	17
Crawford	486	513	541	5.6	11,577	12,009	12,425	51
Crittenden	553	589	604	2.5	11,106	11,778	12,192	57
Cross	220	231	250	8.4	11,384	12,008	13,022	41
Dallas	126	132	137	4.5	13,001	13,718	14,361	20
Desha	185	204	219	7.6	10,853	12,174	13,224	36
Drew	193	205	220	7.3	11,063	11,824	12,668	46
Faulkner	788	890	951	6.9	13,408	14,723	15,381	6
Franklin	178	191	200	4.6	11,920	12,831	13,337	35
Fulton	96	99	104	5.3	9,615	9,835	10,458	70
Garland	1,096	1,191	1,232	3.5	14,966	16,203	16,471	4
Grant	182	195	205	5.4	13,147	13,920	14,568	15
Greene	357	382	407	6.5	11,256	12,010	12,617	48
Hempstead	256	267	284	6.3	11,769	12,367	13,099	39
Hot Spring	291	309	316	2.4	11,098	11,834	12,108	60
Howard	186	192	200	4.2	13,706	14,108	14,611	14
Independence	381	410	429	4.5	12,193	13,144	13,564	31
Izard	141	154	162	5.3	12,480	13,538	14,146	25
Jackson	214	220	236	6.9	11,197	11,672	12,370	53
Jefferson	1,079	1,140	1,170	2.6	12,570	13,345	13,749	27
Johnson	197	208	223	7.0	10,823	11,428	11,978	61
Lafayette	109	110	116	5.5	11,216	11,381	12,109	59
Lawrence	202	200	220	10.1	11,484	11,473	12,522	49
Lee	107	120	124	2.9	8,080	9,242	9,489	75
Lincoln	118	125	138	10.8	8,578	9,118	10,116	73
Little River	173	190	197	3.7	12,401	13,613	14,225	24
Logan	244	261	274	5.0	11,871	12,707	13,354	33
Lonoke	509	550	591	7.3	13,065	13,972	14,850	13
Madison	145	154	165	7.1	12,477	13,222	13,633	30
Marion	148	154	161	4.5	12,335	12,801	13,190	37

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Miller	482	516	537	4.1	12,557	13,407	13,898	26
Mississippi	614	686	744	8.5	10,632	11,928	13,003	42
Monroe	117	129	135	4.9	10,146	11,405	12,225	56
Montgomery	94	95	98	3.2	11,949	12,099	12,456	50
Nevada	125	123	132	6.7	12,291	12,243	13,109	38
Newton	75	76	81	5.7	9,767	9,955	10,422	71
Ouachita	365	371	378	1.9	11,886	12,157	12,655	47
Perry	88	89	93	4.0	11,160	11,186	11,533	64
Phillips	272	301	315	4.6	9,282	10,507	11,169	66
Pike	134	135	143	6.0	13,348	13,379	14,389	18
Poinsett	265	275	301	9.3	10,676	11,179	12,398	52
Polk	203	213	223	4.5	11,721	12,260	12,776	44
Pope	580	638	681	6.7	12,776	13,846	14,376	19
Prairie	101	103	110	7.0	10,514	10,845	11,810	62
Pulaski	5,945	6,354	6,669	5.0	17,011	18,161	18,883	1
Randolph	168	177	187	6.1	10,118	10,664	11,276	65
St. Francis	261	284	292	2.6	9,086	9,996	10,287	72
Saline	821	895	952	6.4	12,985	13,871	14,531	16
Scott	125	125	134	7.7	12,292	12,204	13,042	40
Searcy	80	80	84	4.8	10,129	10,298	11,056	67
Sebastian	1,475	1,587	1,630	2.7	14,868	15,909	16,151	5
Sevier	184	194	210	7.9	13,446	14,253	15,057	10
Sharp	156	167	176	5.6	11,001	11,835	12,139	58
Stone	95	100	107	6.9	9,712	10,247	10,730	69
Union	714	757	776	2.6	15,211	16,207	16,711	3
Van Buren	158	166	175	5.2	11,309	11,867	12,286	54
Washington	1,567	1,691	1,779	5.2	13,954	14,852	15,256	7
White	592	641	686	7.1	10,887	11,701	12,259	55
Woodruff	96	104	111	6.2	9,956	11,005	11,758	63
Yell	218	230	245	6.2	12,302	12,947	13,740	28
California	**574,638**	**615,507**	**632,059**	**2.7**	**19,667**	**20,547**	**20,805**	.....
Metropolitan portion	**560,815**	**600,861**	**616,852**	**2.7**	**19,835**	**20,728**	**20,989**	.....
Nonmetropolitan portion	**13,823**	**14,646**	**15,206**	**3.8**	**14,638**	**15,139**	**15,366**	.....
Alameda	26,077	27,785	28,242	1.6	20,636	21,627	21,852	11
Alpine	25	25	26	2.3	22,120	22,578	21,747	12
Amador	418	453	485	6.9	14,446	14,894	15,547	41
Butte	2,523	2,731	2,836	3.8	14,104	14,900	15,172	44
Calaveras	424	462	484	4.8	13,651	14,284	14,273	48
Colusa	282	292	311	6.3	17,608	17,866	18,803	22
Contra Costa	19,100	20,652	21,492	4.1	24,205	25,529	26,215	4
Del Norte	258	287	308	7.3	11,242	12,151	12,187	58
El Dorado	2,218	2,521	2,680	6.3	18,146	19,793	20,179	16
Fresno	9,987	10,906	11,231	3.0	15,270	16,222	16,323	36
Glenn	361	369	368	-.2	14,706	14,821	14,646	46
Humboldt	1,832	1,925	1,991	3.4	15,518	16,106	16,483	35
Imperial	1,525	1,611	1,614	.2	14,141	14,664	13,852	51
Inyo	311	322	332	3.2	17,030	17,599	18,109	23
Kern	7,866	8,559	8,954	4.6	14,760	15,639	15,791	39
Kings	1,293	1,334	1,390	4.2	13,095	13,020	13,419	54
Lake	742	789	851	7.8	14,910	15,493	16,075	37
Lassen	344	353	379	7.5	12,667	12,704	13,523	53
Los Angeles	173,571	184,760	188,230	1.9	19,856	20,744	20,967	13
Madera	1,131	1,216	1,260	3.6	13,147	13,687	13,553	52
Marin	7,980	8,598	8,884	3.3	34,890	37,283	38,110	1
Mariposa	210	235	253	7.6	14,922	16,312	16,919	30
Mendocino	1,235	1,302	1,341	3.0	15,568	16,133	16,486	34
Merced	2,253	2,399	2,482	3.5	12,866	13,358	13,403	55
Modoc	142	144	137	-5.2	14,739	14,869	13,938	50
Mono	184	189	181	-4.1	18,741	18,856	18,805	21
Monterey	6,332	6,868	7,108	3.5	18,028	19,223	19,572	18
Napa	2,373	2,545	2,637	3.6	21,643	22,897	23,581	7
Nevada	1,283	1,404	1,474	5.0	16,779	17,713	18,104	24
Orange	55,381	58,637	58,808	.3	23,390	24,172	24,077	6
Placer	3,170	3,539	3,741	5.7	18,911	20,263	20,752	14
Plumas	303	320	336	5.1	15,505	16,147	16,737	32
Riverside	18,683	21,070	21,731	3.1	16,676	17,721	17,584	26
Sacramento	18,037	19,657	20,707	5.3	17,722	18,727	19,258	20
San Benito	554	606	627	3.5	15,510	16,342	16,785	31
San Bernardino	21,559	23,051	23,735	3.0	15,759	16,042	15,979	38
San Diego	45,923	48,723	50,463	3.6	18,824	19,341	19,799	17
San Francisco	19,000	20,881	21,663	3.7	26,243	28,838	29,550	2
San Joaquin	6,921	7,367	7,675	4.2	14,712	15,211	15,582	40
San Luis Obispo	3,504	3,703	3,827	3.3	16,478	16,926	17,499	27
San Mateo	17,385	18,445	19,024	3.1	27,037	28,290	28,993	3
Santa Barbara	7,636	8,024	8,461	5.4	20,942	21,607	22,611	8
Santa Clara	35,400	37,894	39,077	3.1	23,913	25,201	25,955	5
Santa Cruz	4,257	4,978	5,172	3.9	18,799	21,558	22,554	9
Shasta	2,201	2,425	2,552	5.2	15,252	16,383	16,579	33
Sierra	52	53	57	6.5	15,784	15,980	17,049	29
Siskiyou	620	654	668	2.1	14,365	14,990	15,197	43
Solano	5,470	5,937	6,261	5.4	16,511	17,274	17,667	25
Sonoma	7,954	8,431	8,770	4.0	20,940	21,549	22,156	10
Stanislaus	5,188	5,655	5,887	4.1	14,375	15,119	15,221	42
Sutter	983	1,055	1,153	9.3	15,512	16,283	17,147	28
Tehama	591	618	651	5.3	12,124	12,376	12,717	56
Trinity	173	181	189	4.1	13,331	13,855	14,384	47
Tulare	4,145	4,555	4,608	1.2	13,514	14,515	14,248	49
Tuolumne	663	717	754	5.2	14,042	14,668	15,077	45
Ventura	13,393	13,906	13,977	.5	20,409	20,644	20,648	15
Yolo	2,552	2,687	2,776	3.3	18,434	18,919	19,320	19
Yuba	667	700	750	7.1	11,606	11,971	12,607	57
Colorado	**58,241**	**62,067**	**65,509**	**5.5**	**17,779**	**18,795**	**19,395**	.....
Metropolitan portion	**49,289**	**52,400**	**55,442**	**5.8**	**18,463**	**19,456**	**20,122**	.....
Nonmetropolitan portion	**8,953**	**9,667**	**10,067**	**4.1**	**14,766**	**15,875**	**16,177**	.....
Adams	3,981	4,088	4,356	6.6	15,037	15,413	15,982	34
Alamosa	174	187	186	-.6	12,903	13,664	13,381	54
Arapahoe	8,235	8,870	9,424	6.3	21,278	22,557	23,159	5
Archuleta	60	64	67	5.0	11,432	11,914	12,039	60
Baca	77	90	86	-4.4	16,752	19,826	18,877	15
Bent	66	73	77	5.2	12,740	14,519	15,478	38
Boulder	4,541	4,885	5,145	5.3	20,335	21,604	22,169	7
Chaffee	174	184	196	7.0	13,637	14,490	15,379	40
Cheyenne	55	59	59	1.4	23,127	24,411	25,303	3
Clear Creek	116	120	129	7.7	15,229	15,707	16,382	28
Conejos	62	64	68	6.2	8,252	8,647	9,096	63
Costilla	40	37	41	9.5	12,194	11,743	12,415	58
Crowley	45	48	49	1.5	11,659	12,159	12,318	59
Custer	27	30	32	7.5	14,409	15,617	16,019	32
Delta	253	269	287	6.5	11,904	12,864	13,249	55
Denver	9,780	10,365	10,895	5.1	20,733	22,221	22,867	6
Dolores	23	21	21	2.3	14,984	13,706	15,228	42
Douglas	1,108	1,283	1,453	13.2	19,415	20,820	21,861	8
Eagle	417	477	506	6.0	19,620	21,538	21,613	10
Elbert	161	181	196	8.2	17,054	18,645	19,035	14
El Paso	6,456	6,705	7,138	6.5	16,474	16,807	17,651	23
Fremont	396	407	426	4.8	12,339	12,580	13,188	56
Garfield	445	498	517	3.7	15,130	16,510	16,661	26
Gilpin	41	41	45	11.4	13,709	13,140	14,223	49
Grand	135	143	150	5.0	16,854	17,986	18,540	18
Gunnison	131	140	149	6.1	12,726	13,660	14,257	48
Hinsdale	8	8	9	4.6	16,715	17,929	18,666	16
Huerfano	68	71	75	6.8	11,213	11,784	12,663	57
Jackson	25	26	28	8.9	15,103	16,064	17,223	24
Jefferson	8,644	9,221	9,658	4.7	19,851	20,974	21,624	9
Kiowa	42	49	45	-8.2	24,506	29,048	27,500	2
Kit Carson	130	140	132	-5.8	18,020	19,657	18,310	19
Lake	57	61	64	5.7	9,134	10,200	10,471	62
La Plata	463	508	540	6.2	14,418	15,711	16,095	30
Larimer	2,959	3,211	3,400	5.9	16,127	17,162	17,657	22
Las Animas	164	171	182	6.2	11,841	12,476	13,418	53
Lincoln	76	84	88	4.8	16,648	18,628	19,339	13
Logan	258	278	275	-1.0	14,449	15,887	15,824	35
Mesa	1,292	1,398	1,482	6.0	13,989	14,964	15,351	41
Mineral	7	8	8	6.6	12,658	13,797	14,341	47
Moffat	156	162	168	3.9	13,490	14,321	14,683	45
Montezuma	231	255	266	4.2	12,380	13,678	13,958	52
Montrose	328	347	363	4.5	13,451	14,200	14,398	46
Morgan	313	337	348	3.2	14,244	15,351	15,450	39
Otero	251	263	282	7.2	12,309	13,072	13,966	51
Ouray	37	38	41	6.9	16,175	16,444	16,668	25
Park	105	110	120	9.1	14,872	15,236	15,531	37
Phillips	69	69	67	-3.2	16,265	16,495	16,014	33
Pitkin	400	447	454	1.5	32,273	35,083	36,156	1
Prowers	185	195	197	.8	13,820	14,642	14,782	44
Pueblo	1,634	1,724	1,826	5.9	13,252	14,014	14,795	43
Rio Blanco	92	97	101	4.1	15,187	16,278	16,553	27
Rio Grande	163	164	152	-7.5	15,112	15,233	14,117	50
Routt	270	304	312	2.6	19,237	21,552	21,278	11
Saguache	52	51	53	4.2	11,400	10,917	11,156	61
San Juan	12	13	12	-6.4	16,665	17,777	17,893	21
San Miguel	55	66	72	9.6	15,233	17,959	18,005	20
Sedgwick	43	48	43	-9.0	15,766	17,833	16,146	29
Summit	269	309	335	8.4	21,279	23,832	24,609	4
Teller	178	190	204	7.1	14,622	15,149	15,817	36
Washington	89	95	93	-2.0	18,271	19,789	19,378	12
Weld	1,951	2,048	2,147	4.8	14,827	15,518	16,052	31
Yuma	166	172	168	-2.4	18,430	19,214	18,593	17
Connecticut	**80,111**	**83,989**	**85,407**	**1.7**	**24,399**	**25,528**	**25,968**	.....
Metropolitan portion	**74,139**	**77,734**	**79,026**	**1.7**	**24,645**	**25,802**	**26,255**	.....
Nonmetropolitan portion	**5,971**	**6,255**	**6,381**	**2.0**	**21,708**	**22,558**	**22,871**	.....
Fairfield	25,745	27,205	27,486	1.0	31,023	32,883	33,162	1
Hartford	20,217	21,165	21,534	1.7	23,770	24,823	25,345	2
Litchfield	4,180	4,375	4,453	1.8	24,155	25,066	25,345	3
Middlesex	3,313	3,513	3,569	1.6	23,231	24,485	24,798	4
New Haven	17,159	17,856	18,262	2.3	21,379	22,177	22,721	5
New London	5,012	5,171	5,313	2.7	19,667	20,269	20,863	7
Tolland	2,693	2,825	2,862	1.3	21,061	21,888	22,176	6
Windham	1,791	1,880	1,928	2.6	17,557	18,299	18,665	8
Delaware	**12,845**	**13,857**	**14,235**	**2.7**	**19,513**	**20,709**	**20,935**	.....
Metropolitan portion	**11,011**	**11,914**	**12,199**	**2.4**	**20,146**	**21,454**	**21,646**	.....
Nonmetropolitan portion	**1,833**	**1,943**	**2,036**	**4.8**	**16,414**	**17,069**	**17,490**	.....
Kent	1,544	1,624	1,708	5.2	14,069	14,565	14,924	3

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
New Castle	9,467	10,291	10,491	1.9	21,673	23,184	23,359	1
Sussex	1,833	1,943	2,036	4.8	16,414	17,069	17,490	2
District Of Columbia	**13,844**	**14,366**	**14,831**	**3.2**	**22,180**	**23,885**	**24,916**	.....
Florida	**226,498**	**242,703**	**251,870**	**3.8**	**17,922**	**18,606**	**18,985**	.....
Metropolitan portion	**214,047**	**229,311**	**237,776**	**3.7**	**18,228**	**18,915**	**19,284**	.....
Nonmetropolitan portion	**12,451**	**13,391**	**14,094**	**5.2**	**13,910**	**14,532**	**15,055**	.....
Alachua	2,708	2,947	3,120	5.9	15,151	16,139	16,743	21
Baker	220	238	251	5.6	12,079	12,782	13,266	46
Bay	1,730	1,893	2,033	7.4	13,866	14,812	15,560	31
Bradford	245	262	279	6.4	10,916	11,637	12,170	55
Brevard	6,624	7,101	7,459	5.0	17,060	17,629	18,009	16
Broward	26,795	28,412	29,112	2.5	21,764	22,478	22,620	6
Calhoun	95	104	109	5.0	8,835	9,380	9,673	67
Charlotte	1,727	1,895	1,964	3.6	16,296	16,798	16,842	20
Citrus	1,209	1,315	1,384	5.3	13,429	13,875	14,243	36
Clay	1,566	1,689	1,766	4.6	15,276	15,746	16,064	27
Collier	3,754	4,157	4,301	3.5	25,745	26,920	26,935	3
Columbia	508	541	577	6.6	12,105	12,625	13,239	47
Dade	32,936	34,818	35,895	3.1	17,292	17,871	18,252	14
De Soto	299	324	347	7.0	12,774	13,497	14,319	34
Dixie	103	112	115	2.4	9,938	10,484	10,444	64
Duval	11,134	11,835	12,352	4.4	16,794	17,495	17,878	17
Escambia	3,752	3,988	4,205	5.4	14,422	15,124	15,687	30
Flagler	340	373	405	8.7	12,694	12,662	13,008	48
Franklin	96	104	112	7.9	10,817	11,561	12,271	53
Gadsden	490	532	573	7.7	11,945	12,925	13,662	42
Gilchrist	99	107	116	7.9	10,654	10,929	11,509	61
Glades	68	72	77	6.7	9,065	9,485	10,392	65
Gulf	134	142	149	4.6	11,773	12,304	12,846	51
Hamilton	112	119	122	2.7	10,464	10,818	11,052	63
Hardee	288	306	328	7.2	14,769	15,704	16,395	26
Hendry	393	404	454	12.4	15,615	15,552	16,638	22
Hernando	1,339	1,433	1,515	5.7	13,945	13,909	14,246	35
Highlands	991	1,054	1,114	5.7	14,923	15,245	15,883	29
Hillsborough	13,159	14,129	14,683	3.9	16,111	16,818	17,361	18
Holmes	162	175	186	6.4	10,391	11,043	11,670	60
Indian River	2,083	2,248	2,318	3.1	23,758	24,679	25,110	5
Jackson	476	520	556	6.9	11,578	12,551	13,321	45
Jefferson	130	145	156	7.6	11,625	12,783	13,490	44
Lafayette	62	67	69	3.1	11,401	11,821	12,205	54
Lake	2,363	2,502	2,606	4.2	15,990	16,286	16,504	25
Lee	6,019	6,501	6,723	3.4	18,629	19,150	19,392	10
Leon	2,918	3,188	3,375	5.9	15,512	16,431	17,004	19
Levy	285	307	328	6.8	11,252	11,738	12,376	52
Liberty	57	64	68	6.6	10,428	11,376	12,028	57
Madison	166	179	190	6.1	10,167	10,759	11,357	62
Manatee	3,664	3,928	4,107	4.6	17,816	18,370	18,961	11
Marion	2,537	2,727	2,866	5.1	13,456	13,835	14,158	38
Martin	2,607	2,922	2,970	1.7	26,736	28,608	28,638	1
Monroe	1,459	1,573	1,607	2.2	19,082	20,014	20,332	8
Nassau	737	819	857	4.6	17,154	18,494	18,877	12
Okaloosa	2,120	2,292	2,459	7.3	15,038	15,832	16,574	24
Okeechobee	370	398	412	3.5	12,834	13,308	13,519	43
Orange	11,360	12,231	12,591	2.9	17,263	17,873	18,093	15
Osceola	1,691	1,820	1,907	4.8	16,413	16,630	16,621	23
Palm Beach	21,778	24,043	24,909	3.6	25,994	27,550	28,097	2
Pasco	3,722	3,941	4,047	2.7	13,633	13,876	14,158	39
Pinellas	17,193	17,934	18,515	3.2	20,443	20,967	21,445	7
Polk	5,769	6,043	6,294	4.1	14,520	14,803	15,241	32
Putnam	705	752	802	6.6	11,067	11,470	12,101	56
St. Johns	1,507	1,687	1,772	5.0	18,576	19,895	20,265	9
St. Lucie	2,053	2,223	2,341	5.3	14,244	14,590	15,004	33
Santa Rosa	1,022	1,132	1,218	7.5	12,941	13,717	14,203	37
Sarasota	6,642	7,055	7,209	2.2	24,512	25,180	25,335	4
Seminole	4,769	5,202	5,522	6.2	17,208	17,856	18,391	13
Sumter	362	390	414	6.1	11,737	12,248	12,874	49
Suwannee	316	337	357	6.0	11,978	12,512	12,863	50
Taylor	224	236	241	2.1	13,194	13,739	13,853	40
Union	97	101	105	3.6	9,542	9,834	10,107	66
Volusia	5,522	5,919	6,106	3.2	15,345	15,803	15,965	28
Wakulla	171	189	204	8.1	12,305	13,209	13,804	41
Walton	291	317	345	8.5	10,707	11,356	11,979	58
Washington	175	188	203	7.8	10,554	11,036	11,730	59
Georgia	**103,733**	**110,832**	**115,557**	**4.3**	**16,180**	**17,041**	**17,447**	.....
Metropolitan portion	**75,799**	**81,264**	**84,345**	**3.8**	**17,734**	**18,668**	**18,978**	.....
Nonmetropolitan portion	**27,934**	**29,568**	**31,211**	**5.6**	**13,072**	**13,748**	**14,324**	.....
Appling	194	201	223	11.2	12,313	12,767	14,034	80
Atkinson	82	85	90	4.9	13,098	13,763	14,429	63
Bacon	114	115	119	3.1	11,971	12,059	12,352	131
Baker	51	49	60	23.3	14,123	13,554	16,286	21
Baldwin	562	601	651	8.2	14,278	15,186	16,266	22
Banks	142	146	150	2.9	13,933	14,117	14,386	65
Barrow	406	428	442	3.3	13,924	14,315	14,257	68
Bartow	735	785	820	4.4	13,435	13,933	14,142	76
Ben Hill	208	216	232	7.1	12,717	13,342	13,888	85
Berrien	171	183	194	5.9	12,124	12,920	13,551	91
Bibb	2,464	2,605	2,711	4.1	16,386	17,378	17,862	14
Bleckley	138	144	156	7.9	13,188	13,828	14,761	55
Brantley	107	113	120	6.4	9,735	10,136	10,727	155
Brooks	146	155	174	11.9	9,461	10,065	11,199	152
Bryan	149	164	177	7.6	9,946	10,512	10,826	154
Bulloch	487	528	564	6.9	11,425	12,184	12,767	114
Burke	211	226	238	5.1	10,241	10,986	11,493	148
Butts	204	217	225	4.0	13,361	14,124	14,539	61
Calhoun	58	64	69	8.2	11,282	12,804	13,916	83
Camden	311	354	411	15.9	10,871	11,517	12,199	134
Candler	95	103	113	9.5	12,296	13,370	14,214	73
Carroll	977	1,031	1,065	3.3	13,903	14,354	14,655	58
Catoosa	507	534	555	3.9	12,077	12,511	12,827	113
Charlton	96	101	106	5.2	11,456	11,846	12,382	130
Chatham	3,650	3,866	3,983	3.0	16,851	17,806	18,104	9
Chattahoochee	155	156	163	4.5	8,750	9,337	9,513	158
Chattooga	254	267	281	5.3	11,467	11,974	12,492	126
Cherokee	1,487	1,640	1,745	6.4	17,092	17,940	18,009	12
Clarke	1,255	1,345	1,381	2.7	14,435	15,319	15,715	33
Clay	29	31	34	8.3	8,694	9,190	9,939	157
Clayton	2,750	2,908	3,007	3.4	15,235	15,924	16,243	24
Clinch	63	68	75	9.9	10,073	11,133	11,975	139
Cobb	9,201	9,925	10,248	3.3	21,048	21,978	22,140	3
Coffee	359	390	418	7.2	12,159	13,172	13,928	82
Colquitt	484	512	542	6.0	13,224	13,952	14,754	56
Columbia	799	905	954	5.4	12,452	13,569	13,635	90
Cook	150	159	168	6.0	11,129	11,809	12,459	128
Coweta	807	891	942	5.7	15,337	16,404	16,488	18
Crawford	106	108	117	8.6	11,889	11,988	12,702	117
Crisp	237	250	270	8.3	11,820	12,471	13,127	106
Dade	133	136	142	3.8	10,198	10,342	10,674	156
Dawson	121	129	140	8.7	13,541	13,409	14,151	75
Decatur	320	344	372	8.0	12,527	13,496	14,404	64
De Kalb	11,086	11,507	11,834	2.8	20,442	21,029	21,366	4
Dodge	208	217	232	7.2	11,867	12,296	12,974	110
Dooly	113	117	131	11.7	11,383	11,822	13,163	104
Dougherty	1,338	1,414	1,483	4.8	13,775	14,721	15,306	41
Douglas	1,119	1,180	1,228	4.1	15,978	16,504	16,743	17
Early	144	153	170	11.1	12,062	12,939	14,212	74
Echols	24	24	25	3.3	10,055	10,524	11,061	153
Effingham	306	334	347	3.8	12,206	12,892	13,199	101
Elbert	252	263	275	4.5	13,276	13,895	14,462	62
Emanuel	238	247	262	5.9	11,558	12,032	12,682	119
Evans	123	128	134	5.2	14,225	14,584	15,304	42
Fannin	187	193	207	7.2	11,776	12,037	12,744	115
Fayette	1,325	1,424	1,488	4.5	22,192	22,439	22,534	2
Floyd	1,228	1,313	1,383	5.3	15,153	16,145	16,899	16
Forsyth	827	904	957	5.9	19,311	20,281	20,430	5
Franklin	239	251	264	5.1	14,466	15,061	15,579	35
Fulton	13,893	15,074	15,595	3.5	21,545	23,172	23,714	1
Gilmer	196	210	221	5.2	14,887	15,652	15,883	29
Glascock	33	33	34	3.2	13,693	14,117	14,819	54
Glynn	1,035	1,106	1,144	3.4	16,652	17,666	18,053	11
Gordon	489	519	537	3.4	14,090	14,736	15,024	48
Grady	250	255	269	5.6	12,290	12,577	13,187	102
Greene	151	163	170	4.8	12,811	13,772	13,993	81
Gwinnett	6,470	7,078	7,392	4.4	19,112	19,753	19,903	6
Habersham	402	423	435	2.9	14,632	15,292	15,505	36
Hall	1,539	1,643	1,705	3.8	16,344	17,137	17,358	15
Hancock	96	104	108	4.1	10,666	11,650	12,092	138
Haralson	281	304	311	2.2	12,933	13,798	14,066	79
Harris	264	277	285	2.9	14,944	15,560	16,048	26
Hart	283	293	299	2.1	14,391	14,858	15,045	46
Heard	92	98	103	5.1	10,877	11,244	11,660	145
Henry	976	1,094	1,156	5.7	17,209	18,383	18,285	8
Houston	1,318	1,380	1,439	4.3	14,865	15,431	15,767	32
Irwin	96	100	111	11.2	11,078	11,545	12,844	111
Jackson	425	447	468	4.7	14,330	14,835	15,205	43
Jasper	121	127	131	3.6	14,519	14,943	15,387	39
Jeff Davis	157	165	168	1.4	13,113	13,724	13,914	84
Jefferson	203	215	229	6.5	11,566	12,405	13,059	107
Jenkins	91	90	100	10.4	11,022	10,968	11,920	142
Johnson	101	100	108	8.1	12,002	12,046	12,840	112
Jones	271	288	298	3.5	13,230	13,835	14,300	67
Lamar	173	185	190	3.0	13,357	14,126	14,346	66
Lanier	68	70	76	8.8	12,235	12,606	13,299	98
Laurens	572	568	602	6.1	14,390	14,174	14,882	52
Lee	193	219	237	8.2	12,107	13,355	14,132	77
Liberty	576	597	614	2.9	11,115	11,250	11,470	149
Lincoln	86	91	93	2.4	11,609	12,223	12,488	127
Long	49	52	54	3.6	7,954	8,399	8,922	159
Lowndes	1,005	1,071	1,127	5.2	13,262	14,083	14,648	59
Lumpkin	190	205	214	4.3	13,312	13,950	14,216	72
McDuffie	260	280	291	3.8	12,952	13,931	14,232	71
McIntosh	94	104	109	5.1	11,107	11,942	12,428	129
Macon	147	155	167	7.6	11,116	11,868	12,694	118
Madison	255	271	291	7.2	12,282	12,823	13,427	95
Marion	64	63	68	8.5	11,476	11,219	11,934	141
Meriwether	235	250	263	5.1	10,576	11,135	11,601	147
Miller	73	75	86	15.5	11,497	11,914	13,636	89

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Mitchell	226	235	257	9.4	11,066	11,593	12,599	124
Monroe	235	245	270	10.4	13,842	14,265	15,384	40
Montgomery	88	91	96	5.8	12,359	12,696	13,357	97
Morgan	194	207	212	2.7	15,191	16,004	16,237	25
Murray	306	327	343	4.9	11,962	12,428	12,661	121
Muscogee	2,707	2,870	2,972	3.6	15,071	16,017	16,410	20
Newton	611	661	694	5.0	14,796	15,732	15,928	27
Oconee	264	288	299	3.9	15,336	16,217	16,420	19
Oglethorpe	122	133	137	3.6	12,495	13,562	13,827	86
Paulding	520	563	603	7.1	12,916	13,363	13,466	94
Peach	313	320	334	4.3	14,872	15,069	15,604	34
Pickens	215	231	240	4.2	15,133	15,904	16,250	23
Pierce	139	151	160	6.2	10,483	11,294	11,945	140
Pike	131	137	143	3.8	12,943	13,359	13,547	92
Polk	421	440	452	2.7	12,468	13,013	13,234	99
Pulaski	111	117	128	8.8	13,546	14,509	15,847	31
Putnam	168	184	191	3.7	12,149	12,923	13,036	108
Quitman	25	26	28	8.1	11,187	11,927	12,673	120
Rabun	139	150	156	3.9	12,034	12,847	13,173	103
Randolph	83	85	94	10.3	10,179	10,621	11,415	150
Richmond	3,014	3,308	3,440	4.0	15,860	17,440	17,888	13
Rockdale	965	1,056	1,107	4.8	18,299	19,342	19,477	7
Schley	44	44	49	11.0	12,231	12,223	13,641	88
Screven	158	161	174	8.0	11,339	11,624	12,610	122
Seminole	101	108	118	10.1	11,194	11,963	13,014	109
Spalding	759	796	824	3.6	14,040	14,568	14,848	53
Stephens	297	310	324	4.5	12,828	13,322	13,727	87
Stewart	57	60	63	5.7	10,059	10,584	11,367	151
Sumter	385	411	436	5.9	12,697	13,615	14,241	69
Talbot	72	77	80	3.5	11,102	11,808	12,122	137
Taliaferro	27	28	28	-.1	13,759	14,669	15,193	44
Tattnall	226	244	262	7.7	12,757	13,737	14,665	57
Taylor	102	108	113	5.0	13,197	14,132	14,941	51
Telfair	121	127	136	6.6	10,962	11,589	12,237	132
Terrell	107	115	126	9.3	9,975	10,854	11,896	143
Thomas	544	583	622	6.8	14,005	14,924	15,848	30
Tift	469	509	546	7.3	13,441	14,518	15,428	38
Toombs	314	342	362	5.9	13,063	14,181	14,963	50
Towns	77	85	87	2.2	11,596	12,526	12,603	123
Treutlen	63	65	70	8.0	10,491	10,804	11,684	144
Troup	803	839	860	2.5	14,483	15,087	15,153	45
Turner	91	97	112	15.4	10,383	11,185	12,707	116
Twiggs	105	111	119	6.7	10,638	11,388	12,194	135
Union	132	141	151	7.3	11,143	11,698	12,212	133
Upson	321	334	346	3.6	12,214	12,697	13,161	105
Walker	721	752	779	3.6	12,406	12,873	13,222	100
Walton	490	545	569	4.4	12,900	14,040	14,234	70
Ware	455	478	503	5.2	12,753	13,492	14,127	78
Warren	65	69	71	3.7	10,765	11,301	11,652	146
Washington	270	287	297	3.7	14,087	14,996	15,431	37
Wayne	277	290	314	8.1	12,406	12,973	13,481	93
Webster	27	28	30	6.6	12,101	12,505	13,423	96
Wheeler	54	55	59	7.2	10,844	11,343	12,144	136
White	182	201	213	5.8	14,269	15,348	15,885	28
Whitfield	1,228	1,292	1,323	2.3	17,040	17,799	18,088	10
Wilcox	86	91	103	13.2	12,233	12,978	14,628	60
Wilkes	149	158	159	.4	14,002	14,968	14,990	49
Wilkinson	140	147	154	4.8	13,670	14,358	15,036	47
Worth	211	229	251	9.5	10,748	11,567	12,494	125
Hawaii	**20,472**	**22,780**	**23,939**	**5.1**	**18,703**	**20,461**	**21,062**	.....
Metropolitan portion	**16,270**	**17,992**	**18,841**	**4.7**	**19,638**	**21,440**	**22,102**	.....
Nonmetropolitan portion	**4,202**	**4,788**	**5,098**	**6.5**	**15,792**	**17,465**	**17,941**	.....
Hawaii	1,759	2,012	2,148	6.7	14,906	16,609	17,023	4
Honolulu	16,270	17,992	18,841	4.7	19,638	21,440	22,102	1
Kauai	789	872	940	7.8	15,751	16,913	17,682	3
Maui + Kalawao	1,654	1,904	2,010	5.6	16,879	18,768	19,179	2
Idaho	**14,055**	**15,309**	**15,975**	**4.3**	**14,134**	**15,137**	**15,366**	.....
Metropolitan portion	**4,665**	**5,098**	**5,466**	**7.2**	**16,070**	**17,116**	**17,625**	.....
Nonmetropolitan portion	**9,390**	**10,211**	**10,510**	**2.9**	**13,336**	**14,311**	**14,405**	.....
Ada	3,581	3,936	4,239	7.7	17,787	18,981	19,604	3
Adams	49	49	51	3.9	14,992	15,167	15,356	14
Bannock	806	860	904	5.1	12,319	12,988	13,503	23
Bear Lake	66	71	74	4.3	10,720	11,747	12,163	38
Benewah	110	114	121	6.5	13,923	14,369	15,095	16
Bingham	453	511	506	-1.1	12,171	13,551	13,120	29
Blaine	267	318	327	2.8	20,276	23,226	23,059	2
Boise	38	41	45	9.2	10,974	11,746	12,207	37
Bonner	319	350	375	7.1	12,105	13,098	13,362	26
Bonneville	1,052	1,161	1,222	5.2	14,839	15,980	16,259	7
Boundary	89	96	103	6.7	10,948	11,459	12,281	35
Butte	38	42	41	-2.1	13,071	14,332	14,261	19
Camas	12	12	11	-9.5	15,767	17,179	14,985	17
Canyon	1,084	1,162	1,226	5.6	12,184	12,839	13,065	30
Caribou	103	113	115	1.1	14,543	16,369	16,099	8
Cassia	293	328	316	-3.7	15,117	16,767	16,031	9
Clark	22	23	20	-11.1	28,954	30,029	26,320	1
Clearwater	120	124	133	7.3	14,078	14,568	15,506	12
Custer	59	62	58	-7.1	14,158	15,056	13,812	20
Elmore	295	308	318	3.3	14,018	14,486	15,443	13
Franklin	89	93	95	2.5	9,668	10,036	10,061	44
Freemont (incl. Ylwstn. Natl. Pk.)	137	147	140	-5.0	12,625	13,387	12,477	34
Gem	141	147	158	7.0	11,926	12,426	12,874	32
Gooding	159	174	178	2.2	13,710	14,917	14,858	18
Idaho	173	184	186	1.2	12,571	13,349	13,486	24
Jefferson	178	198	200	1.3	10,909	11,883	11,765	39
Jerome	192	213	206	-3.3	12,746	14,051	13,310	27
Kootenai	962	1,071	1,159	8.2	14,008	15,265	15,659	11
Latah	392	415	424	2.1	12,973	13,489	13,596	22
Lemhi	85	91	94	3.0	12,380	13,205	13,379	25
Lewis	67	66	63	-5.9	18,921	18,945	17,344	5
Lincoln	47	52	44	-14.2	14,079	15,675	13,294	28
Madison	229	255	258	1.0	9,896	10,706	10,978	43
Minidoka	216	244	242	-.6	11,154	12,586	12,248	36
Nez Perce	509	530	542	2.3	15,266	15,638	15,731	10
Oneida	39	40	40	1.1	11,251	11,376	11,664	41
Owyhee	92	100	100	-.1	11,029	11,836	11,711	40
Payette	188	205	215	4.7	11,556	12,449	12,584	33
Power	125	145	129	-11.6	17,869	20,444	17,560	4
Shoshone	182	192	192	.1	12,698	13,870	13,644	21
Teton	39	42	40	-5.0	11,561	12,204	11,139	42
Twin Falls	763	808	841	4.0	14,369	15,038	15,262	15
Valley	96	106	111	4.5	15,797	17,302	16,754	6
Washington	99	105	112	7.4	11,687	12,199	12,957	31
Illinois	**219,458**	**232,611**	**239,317**	**2.9**	**19,234**	**20,327**	**20,737**	.....
Metropolitan portion	**192,317**	**204,416**	**210,544**	**3.0**	**20,141**	**21,322**	**21,749**	.....
Nonmetropolitan portion	**27,141**	**28,196**	**28,772**	**2.0**	**14,581**	**15,190**	**15,470**	.....
Adams	1,038	1,078	1,109	2.9	15,643	16,323	16,674	38
Alexander	118	119	123	3.5	11,047	11,205	11,560	100
Bond	220	230	234	1.8	14,630	15,334	15,539	57
Boone	522	535	558	4.4	17,094	17,311	17,569	25
Brown	77	78	82	4.7	13,232	13,322	13,862	86
Bureau	579	608	616	1.3	16,145	17,068	17,258	31
Calhoun	78	80	81	1.4	14,575	15,040	15,428	59
Carroll	245	256	256	.1	14,489	15,260	15,416	60
Cass	191	208	210	.9	14,092	15,507	15,616	56
Champaign	2,751	2,944	3,038	3.2	15,947	16,990	17,460	27
Christian	556	597	602	.8	16,126	17,350	17,488	26
Clark	204	213	219	2.8	12,799	13,396	13,830	87
Clay	205	202	207	2.4	14,180	13,966	14,200	81
Clinton	547	561	566	.8	16,168	16,509	16,629	39
Coles	737	773	803	3.9	14,284	14,954	15,532	58
Cook	104,718	110,384	113,900	3.2	20,485	21,622	22,211	3
Crawford	293	298	313	4.9	14,965	15,347	16,023	47
Cumberland	134	141	146	3.4	12,557	13,247	13,570	90
De Kalb	1,242	1,308	1,338	2.3	16,051	16,733	16,910	34
De Witt	271	289	300	3.9	16,332	17,484	18,053	19
Douglas	264	276	284	2.8	13,598	14,177	14,584	75
Du Page	19,341	20,856	21,247	1.9	25,114	26,533	26,593	2
Edgar	294	293	292	-.3	14,901	14,991	14,988	68
Edwards	111	109	108	-.3	14,722	14,656	14,586	73
Effingham	523	545	552	1.4	16,587	17,136	17,322	29
Fayette	257	258	265	2.7	12,294	12,359	12,761	95
Ford	233	253	255	.8	16,280	17,749	18,154	17
Franklin	537	556	564	1.5	13,252	13,802	13,994	84
Fulton	510	544	548	.6	13,365	14,305	14,401	78
Gallatin	99	100	97	-3.0	14,255	14,477	14,192	82
Greene	187	190	187	-2.0	12,220	12,434	12,238	97
Grundy	611	662	679	2.5	19,032	20,411	20,335	6
Hamilton	103	106	106	-.2	12,061	12,464	12,449	96
Hancock	298	305	323	5.8	13,829	14,301	15,077	66
Hardin	53	56	60	7.2	10,122	10,747	11,693	99
Henderson	110	112	112	.1	13,534	13,864	13,680	89
Henry	755	803	813	1.2	14,630	15,741	15,864	51
Iroquois	475	510	513	.7	15,384	16,577	16,561	40
Jackson	754	773	801	3.7	12,341	12,654	13,146	94
Jasper	151	154	154	-.2	14,232	14,566	14,560	76
Jefferson	554	570	588	3.1	14,953	15,398	15,860	52
Jersey	283	295	300	2.0	13,868	14,309	14,461	77
Jo Daviess	342	360	367	2.2	15,635	16,494	16,684	37
Johnson	102	106	109	3.3	9,087	9,295	9,496	102
Kane	6,295	6,725	6,899	2.6	20,058	21,089	21,149	5
Kankakee	1,473	1,601	1,667	4.1	15,283	16,630	17,080	32
Kendall	776	801	823	2.7	19,881	20,256	20,305	7
Knox	826	858	885	3.2	14,587	15,225	15,694	54
Lake	13,125	14,686	15,193	3.5	25,766	28,294	28,639	1
La Salle	1,660	1,717	1,766	2.8	15,499	16,066	16,394	42
Lawrence	232	248	258	3.9	14,400	15,577	16,091	46
Lee	545	571	549	-3.9	15,835	16,603	15,892	50
Livingston	639	695	701	.8	16,238	17,677	17,770	22
Logan	475	505	512	1.4	15,422	16,385	16,744	36
McDonough	429	447	469	4.9	12,148	12,679	13,388	91
McHenry	3,779	4,040	4,249	5.2	21,022	21,895	22,079	4
McLean	2,263	2,459	2,557	4.0	17,876	18,894	19,401	11

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Macon	1,998	2,093	2,152	2.9	16,893	17,898	18,258	15
Macoupin	706	746	759	1.8	14,793	15,634	15,795	53
Madison	4,252	4,443	4,570	2.8	17,101	17,805	18,143	18
Marion	584	594	616	3.6	14,009	14,296	14,776	71
Marshall	209	218	218	7.9	16,200	17,007	17,016	33
Mason	241	248	250	.8	14,693	15,259	15,172	64
Massac	186	192	198	2.9	12,627	13,032	13,360	92
Menard	182	194	195	1.0	16,312	17,335	17,290	30
Mercer	241	258	257	-.4	13,873	14,950	14,797	70
Monroe	430	451	462	2.4	19,414	19,999	20,103	8
Montgomery	429	441	449	1.8	13,917	14,363	14,616	72
Morgan	577	598	613	2.4	15,828	16,441	16,796	35
Moultrie	203	210	211	.4	14,512	15,107	15,160	65
Ogle	708	738	737	-.1	15,475	16,023	15,655	55
Peoria	3,155	3,375	3,451	2.2	17,210	18,471	18,749	13
Perry	294	309	307	-.7	13,728	14,432	14,327	79
Piatt	270	278	280	1.0	17,323	17,863	17,866	21
Pike	231	235	244	4.0	13,092	13,363	13,931	85
Pope	43	43	44	1.4	9,905	9,910	9,961	101
Pulaski	91	90	91	1.2	12,038	11,961	12,231	98
Putnam	108	111	115	3.2	18,737	19,477	20,007	9
Randolph	480	492	497	1.1	13,891	14,209	14,323	80
Richland	237	243	251	3.5	14,207	14,710	15,067	67
Rock Island	2,477	2,645	2,721	2.9	16,502	17,828	18,159	16
St. Clair	4,031	4,201	4,305	2.5	15,333	15,976	16,391	43
Saline	403	422	437	3.5	15,081	15,932	16,519	41
Sangamon	3,266	3,481	3,600	3.4	18,352	19,487	19,981	10
Schuyler	104	101	100	-.5	13,804	13,477	13,288	93
Scott	87	84	84	-1.0	15,409	14,963	14,925	69
Shelby	330	340	343	1.1	14,799	15,259	15,390	61
Stark	103	108	102	-4.9	15,623	16,503	15,941	49
Stephenson	828	850	857	.8	17,216	17,677	17,763	23
Tazewell	2,096	2,198	2,248	2.3	16,921	17,769	18,030	20
Union	236	242	259	7.0	13,368	13,734	14,585	74
Vermilion	1,270	1,297	1,338	3.2	14,324	14,704	15,195	63
Wabash	200	208	210	1.1	15,196	15,877	16,008	48
Warren	264	275	272	-1.2	13,660	14,380	14,131	83
Washington	267	262	259	-1.2	17,858	17,513	17,446	28
Wayne	234	226	235	3.8	13,541	13,136	13,798	88
White	256	262	269	2.6	15,382	15,887	16,385	44
Whiteside	908	969	989	2.1	15,018	16,112	16,318	45
Will	6,334	6,761	6,956	2.9	17,899	18,851	18,939	12
Williamson	812	855	889	4.0	14,108	14,791	15,324	62
Winnebago	4,383	4,599	4,732	2.9	17,374	18,161	18,399	14
Woodford	524	578	589	1.9	16,112	17,685	17,688	24
Indiana	**88,205**	**93,384**	**96,451**	**3.3**	**15,968**	**16,814**	**17,193**	.....
Metropolitan portion	**65,422**	**69,490**	**72,031**	**3.7**	**16,586**	**17,502**	**17,942**	.....
Nonmetropolitan portion	**22,783**	**23,894**	**24,420**	**2.2**	**14,426**	**15,092**	**15,308**	.....
Adams	426	452	457	1.0	13,828	14,490	14,549	66
Allen	5,476	5,712	5,805	1.6	18,324	18,936	19,135	7
Bartholomew	1,040	1,080	1,116	3.3	16,349	16,959	17,213	19
Benton	152	156	141	-9.6	16,090	16,499	14,952	58
Blackford	202	210	214	1.8	14,208	14,987	15,376	49
Boone	781	845	853	.9	20,585	22,111	22,641	2
Brown	172	189	196	3.7	12,366	13,360	13,645	82
Carroll	300	312	316	1.3	15,976	16,575	16,565	22
Cass	591	608	617	1.4	15,375	15,828	16,018	35
Clark	1,286	1,363	1,427	4.7	14,673	15,514	16,051	33
Clay	326	336	349	3.9	13,239	13,579	14,063	72
Clinton	469	498	509	2.3	15,192	16,059	16,180	30
Crawford	107	112	116	4.0	10,819	11,297	11,753	91
Daviess	360	373	381	1.9	13,075	13,554	13,710	80
Dearborn	557	591	621	5.1	14,493	15,166	15,538	44
Decatur	353	371	386	4.0	14,979	15,649	16,099	31
De Kalb	520	540	553	2.4	14,874	15,235	15,386	47
Delaware	1,740	1,849	1,927	4.2	14,500	15,455	16,080	32
Dubois	651	691	706	2.3	17,915	18,807	18,920	8
Elkhart	2,518	2,603	2,657	2.1	16,321	16,585	16,857	20
Fayette	373	383	385	.5	14,255	14,739	14,789	62
Floyd	1,036	1,102	1,161	5.3	16,205	17,062	17,542	18
Fountain	252	263	254	-3.4	14,119	14,787	14,230	71
Franklin	257	274	285	3.9	13,136	13,996	13,896	74
Fulton	267	276	277	.5	14,182	14,641	14,649	65
Gibson	486	510	519	1.7	15,196	15,992	16,282	26
Grant	1,094	1,140	1,165	2.2	14,678	15,388	15,715	39
Greene	390	411	431	4.9	12,884	13,493	13,875	75
Hamilton	2,587	2,920	3,122	6.9	24,410	26,538	26,980	1
Hancock	795	854	894	4.6	17,568	18,720	19,239	6
Harrison	407	435	453	4.3	13,711	14,493	14,832	60
Hendricks	1,325	1,459	1,527	4.6	17,647	19,208	19,680	4
Henry	699	732	752	2.7	14,449	15,216	15,568	41
Howard	1,369	1,406	1,453	3.3	16,820	17,426	17,732	16
Huntington	549	574	579	.9	15,586	16,172	16,222	28
Jackson	539	575	597	3.8	14,335	15,209	15,567	43
Jasper	383	394	395	.1	15,306	15,804	15,468	45
Jay	274	290	298	2.7	12,755	13,497	13,786	78
Jefferson	355	391	411	5.0	11,964	13,108	13,703	81
Jennings	297	318	333	4.8	12,626	13,393	13,798	76
Johnson	1,522	1,666	1,769	6.2	17,485	18,818	19,282	5
Knox	543	567	589	4.0	13,560	14,225	14,732	63
Kosciusko	1,095	1,154	1,168	1.2	16,932	17,606	17,870	12
Lagrange	366	380	384	1.2	12,572	12,822	12,969	86
Lake	7,332	7,715	7,922	2.7	15,357	16,235	16,536	23
La Porte	1,682	1,767	1,816	2.7	15,732	16,494	16,785	21
Lawrence	594	616	645	4.7	13,920	14,354	14,985	56
Madison	2,020	2,063	2,097	1.6	15,429	15,791	15,936	37
Marion	14,330	15,311	16,034	4.7	18,067	19,166	19,863	3
Marshall	614	633	649	2.4	14,642	14,977	15,103	54
Martin	130	139	143	3.1	12,506	13,370	13,761	79
Miami	498	521	532	2.2	13,454	14,128	14,270	70
Monroe	1,461	1,574	1,647	4.6	13,535	14,391	14,957	57
Montgomery	570	605	621	2.7	16,554	17,550	17,871	11
Morgan	803	883	930	5.3	14,513	15,726	16,265	27
Newton	197	208	198	-4.6	14,527	15,355	14,404	68
Noble	530	567	577	1.7	14,123	14,923	15,091	55
Ohio	66	71	76	7.1	12,469	13,356	14,282	69
Orange	226	232	238	2.6	12,276	12,610	12,784	87
Owen	216	234	247	5.5	12,634	13,462	13,959	73
Parke	210	222	226	1.4	13,562	14,450	14,488	67
Perry	237	247	252	2.1	12,402	12,895	13,219	85
Pike	176	185	189	2.1	13,969	14,849	15,300	52
Porter	2,130	2,298	2,358	2.6	16,649	17,771	17,806	14
Posey	389	401	408	1.8	15,034	15,416	15,755	38
Pulaski	198	208	200	-4.0	15,637	16,456	15,636	40
Putnam	408	436	456	4.6	13,506	14,351	14,663	64
Randolph	348	358	364	1.8	12,748	13,197	13,387	84
Ripley	362	385	401	4.2	14,717	15,631	15,969	36
Rush	263	277	283	2.1	14,445	15,296	15,585	42
St. Joseph	4,054	4,256	4,384	3.0	16,487	17,193	17,625	17
Scott	241	257	272	5.9	11,569	12,210	12,688	88
Shelby	610	654	675	3.3	15,206	16,179	16,534	24
Spencer	269	285	291	2.0	13,800	14,622	14,832	61
Starke	269	277	277	-.2	11,945	12,143	12,143	90
Steuben	460	485	498	2.5	16,980	17,594	17,779	15
Sullivan	270	280	290	3.4	14,113	14,791	15,273	53
Switzerland	77	82	87	6.1	9,993	10,585	11,188	92
Tippecanoe	1,916	2,055	2,141	4.2	14,777	15,692	16,185	29
Tipton	275	284	288	1.2	17,082	17,626	17,867	13
Union	92	97	97	-.2	13,227	13,921	13,790	77
Vanderburgh	2,789	2,965	3,058	3.1	16,900	17,954	18,425	10
Vermillion	231	242	248	2.5	13,730	14,443	14,950	59
Vigo	1,506	1,568	1,648	5.1	14,147	14,790	15,382	48
Wabash	507	528	536	1.6	14,485	15,041	15,348	50
Warren	121	124	109	-11.8	14,671	15,181	13,393	83
Warrick	766	823	854	3.8	17,169	18,265	18,602	9
Washington	272	292	303	3.8	11,599	12,276	12,597	89
Wayne	1,040	1,078	1,104	2.4	14,456	14,978	15,322	51
Wells	393	420	427	1.5	15,364	16,118	16,416	25
White	349	363	360	-.8	15,041	15,592	15,428	46
Whitley	421	442	450	1.8	15,346	15,919	16,035	34
Iowa	**43,947**	**46,842**	**48,224**	**2.9**	**15,862**	**16,848**	**17,251**	.....
Metropolitan portion	**20,313**	**21,820**	**22,697**	**4.0**	**17,039**	**18,136**	**18,678**	.....
Nonmetropolitan portion	**23,633**	**25,023**	**25,527**	**2.0**	**14,973**	**15,866**	**16,154**	.....
Adair	132	137	139	1.6	15,559	16,270	16,461	38
Adams	72	77	76	-1.2	14,739	15,813	16,054	46
Allamakee	189	203	198	-2.5	13,645	14,686	14,267	90
Appanoose	181	192	199	4.0	13,193	13,938	14,451	87
Audubon	103	108	112	4.1	13,929	14,740	15,451	69
Benton	339	360	362	.6	15,182	16,003	16,033	47
Black Hawk	1,850	1,973	2,046	3.7	14,900	15,941	16,390	41
Boone	409	421	441	4.7	16,282	16,689	17,361	16
Bremer	333	358	365	2.2	14,540	15,679	15,956	49
Buchanan	281	310	317	2.4	13,494	14,844	15,121	79
Buena Vista	317	324	334	3.0	15,876	16,216	16,650	33
Butler	206	227	233	2.4	13,064	14,472	14,673	84
Calhoun	180	179	181	1.2	15,597	15,543	15,652	60
Carroll	357	376	390	3.8	16,654	17,518	18,178	10
Cass	246	252	259	2.6	16,207	16,703	17,192	20
Cedar	278	298	300	.6	15,982	17,135	17,168	22
Cerro Gordo	727	790	816	3.2	15,564	16,897	17,281	19
Cherokee	209	226	234	3.4	14,708	16,062	16,600	35
Chickasaw	193	208	212	1.9	14,393	15,660	15,931	51
Clarke	113	118	118	-6.2	13,715	14,174	14,227	91
Clay	263	278	275	-.8	14,908	15,808	15,654	58
Clayton	270	292	283	-3.2	14,112	15,332	14,981	82
Clinton	749	794	814	2.6	14,655	15,553	15,976	48
Crawford	229	247	253	2.6	13,592	14,723	15,128	78
Dallas	485	519	543	4.6	16,436	17,388	17,920	11
Davis	99	113	112	-1.0	11,881	13,612	13,438	97
Decatur	94	97	100	3.1	11,240	11,655	12,252	99
Delaware	240	275	269	-2.3	13,318	15,231	14,769	83
Des Moines	668	712	729	2.5	15,694	16,694	17,018	27
Dickinson	256	278	285	2.3	17,247	18,632	18,664	6
Dubuque	1,289	1,383	1,431	3.5	14,924	15,992	16,469	37

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Emmet	155	164	163	-.5	13,386	14,163	14,006	93
Fayette	287	314	316	.7	13,036	14,396	14,380	89
Floyd	237	256	256	-.1	13,801	15,040	15,174	76
Franklin	156	165	163	-1.1	13,641	14,515	14,423	88
Fremont	141	143	152	6.1	17,060	17,385	18,593	7
Greene	162	158	165	4.4	15,957	15,761	16,334	42
Grundy	190	206	213	3.1	15,671	17,193	17,764	12
Guthrie	162	170	177	3.9	14,742	15,588	15,868	53
Hamilton	296	292	309	6.1	18,423	18,137	19,206	3
Hancock	178	193	182	-5.8	14,125	15,271	14,544	86
Hardin	292	312	316	1.4	15,166	16,376	16,643	34
Harrison	205	218	226	3.5	13,920	14,821	15,372	71
Henry	294	324	333	2.5	15,421	16,815	17,169	21
Howard	144	155	154	-.4	14,598	15,773	15,512	64
Humboldt	179	174	170	-2.1	16,538	16,172	15,933	50
Ida	132	137	136	-.2	15,741	16,333	16,433	40
Iowa	223	239	244	2.0	15,272	16,310	16,478	36
Jackson	274	292	291	-.2	13,661	14,635	14,615	85
Jasper	579	608	616	1.3	16,706	17,434	17,742	13
Jefferson	232	249	251	.8	14,328	15,206	15,348	72
Johnson	1,593	1,721	1,801	4.7	16,862	17,790	18,524	8
Jones	247	263	263	.2	12,709	13,500	13,459	96
Keokuk	166	174	176	1.2	14,220	14,954	15,103	80
Kossuth	279	285	277	-2.7	14,890	15,372	15,157	77
Lee	561	592	611	3.1	14,444	15,313	15,647	61
Linn	2,976	3,142	3,256	3.6	17,764	18,559	19,079	4
Louisa	171	185	182	-1.6	14,806	15,904	15,654	59
Lucas	132	138	143	3.7	14,513	15,230	15,621	62
Lyon	171	177	184	4.0	14,312	14,838	15,468	67
Madison	197	207	213	2.5	15,881	16,562	16,928	29
Mahaska	307	328	335	2.1	14,313	15,232	15,593	63
Marion	484	510	526	3.0	16,284	16,947	17,358	17
Marshall	623	653	677	3.7	16,242	17,055	17,683	14
Mills	236	255	267	4.8	17,983	19,235	19,997	2
Mitchell	171	184	182	-1.0	15,596	16,831	16,683	32
Monona	150	151	150	-.7	14,859	15,115	15,046	81
Monroe	112	122	126	3.0	13,784	15,104	15,434	70
Montgomery	191	195	200	2.7	15,755	16,163	16,738	31
Muscatine	678	727	745	2.4	17,048	18,185	18,354	9
O'Brien	242	256	263	2.7	15,629	16,559	16,967	28
Osceola	103	109	114	4.1	14,062	15,055	15,720	57
Page	246	259	267	3.4	14,543	15,347	15,929	52
Palo Alto	152	163	164	.6	14,117	15,336	15,482	66
Plymouth	362	388	406	4.6	15,538	16,552	17,330	18
Pocahontas	160	152	153	.9	16,539	15,966	16,210	44
Polk	6,226	6,760	7,062	4.5	19,283	20,561	21,190	1
Pottawattamie	1,238	1,316	1,364	3.6	15,017	15,909	16,453	39
Poweshiek	303	319	323	1.2	16,016	16,700	17,024	26
Ringgold	73	73	74	.9	13,451	13,571	13,745	95
Sac	178	187	189	.8	14,420	15,203	15,507	65
Scott	2,587	2,782	2,878	3.4	17,155	18,413	18,772	5
Shelby	211	225	234	4.2	15,913	17,004	17,599	15
Sioux	419	448	464	3.6	14,058	14,943	15,342	73
Story	1,082	1,143	1,189	4.0	14,660	15,356	15,848	54
Tama	255	273	274	.5	14,584	15,683	15,791	55
Taylor	90	94	98	3.9	12,472	13,282	13,814	94
Union	181	192	195	2.1	14,170	15,019	15,462	68
Van Buren	93	101	103	1.3	12,131	13,197	13,242	98
Wapello	498	528	547	3.7	13,874	14,813	15,299	74
Warren	547	598	625	4.4	15,074	16,628	17,105	24
Washington	286	314	322	2.3	14,665	15,991	16,117	45
Wayne	94	98	99	.8	13,244	13,893	14,028	92
Webster	624	650	678	4.3	15,398	16,131	16,799	30
Winnebago	193	201	195	-2.7	15,957	16,547	16,294	43
Winneshiek	286	318	318	.1	13,719	15,224	15,249	75
Woodbury	1,523	1,627	1,692	4.0	15,574	16,520	17,042	25
Worth	121	129	124	-3.5	15,025	16,119	15,737	56
Wright	252	244	243	-.6	17,536	17,143	17,140	23
Kansas	**40,841**	**44,072**	**45,675**	**3.6**	**16,516**	**17,768**	**18,306**	.....
Metropolitan portion	**24,399**	**26,201**	**27,440**	**4.7**	**18,462**	**19,590**	**20,238**	.....
Nonmetropolitan portion	**16,442**	**17,871**	**18,235**	**2.0**	**14,281**	**15,636**	**16,005**	.....
Allen	185	197	198	.6	12,454	13,501	13,530	103
Anderson	107	110	113	2.8	13,633	14,105	14,538	92
Atchison	229	243	249	2.7	13,424	14,376	14,825	81
Barber	93	100	95	-4.7	15,463	17,113	16,522	41
Barton	454	482	499	3.7	15,178	16,480	17,041	34
Bourbon	216	219	226	3.2	14,323	14,690	15,181	71
Brown	146	161	163	1.2	13,098	14,462	14,640	88
Butler	794	859	901	4.9	15,854	16,922	17,428	30
Chase	49	49	48	-1.9	16,012	16,148	16,350	47
Chautauqua	54	55	59	8.6	12,197	12,474	13,683	100
Cherokee	265	280	291	4.2	12,340	13,098	13,542	102
Cheyenne	48	56	54	-3.0	14,501	17,302	16,505	43
Clark	44	51	46	-9.2	17,996	20,987	19,450	14
Clay	126	149	143	-4.1	13,618	16,261	15,703	60
Cloud	145	169	160	-5.2	13,011	15,382	14,738	85
Coffey	124	132	140	5.9	14,606	15,786	16,587	39
Comanche	40	45	45	.1	17,055	19,425	19,928	9
Cowley	540	548	567	3.5	14,624	14,841	15,531	65
Crawford	502	543	568	4.7	13,993	15,298	15,985	55
Decatur	69	76	78	2.5	16,946	18,898	20,008	8
Dickinson	251	280	281	.2	13,184	14,798	14,923	77
Doniphan	106	116	126	8.4	12,906	14,296	15,472	66
Douglas	1,087	1,158	1,219	5.3	13,494	14,078	14,590	91
Edwards	61	71	71	-.7	15,845	18,835	19,240	18
Elk	50	47	48	.9	14,735	14,205	14,864	80
Ellis	374	409	424	3.5	14,258	15,785	16,410	46
Ellsworth	86	99	97	-2.2	12,958	15,026	14,786	83
Finney	472	497	537	8.0	14,480	14,941	16,081	53
Ford	418	460	467	1.5	15,267	16,733	16,880	36
Franklin	302	326	336	3.1	13,768	14,812	15,166	72
Geary	355	380	379	-.2	11,666	12,466	12,997	105
Gove	63	71	63	-11.1	19,080	22,163	19,343	15
Graham	47	55	52	-5.2	13,013	15,644	14,813	82
Grant	115	127	134	5.1	16,072	17,746	18,072	25
Gray	80	93	95	2.5	14,889	17,171	17,721	28
Greeley	45	50	53	5.6	25,220	28,105	30,028	1
Greenwood	108	115	119	3.4	13,602	14,699	14,995	76
Hamilton	45	53	65	21.9	18,393	22,256	27,786	2
Harper	110	121	116	-3.9	15,328	17,003	16,514	42
Harvey	446	469	500	6.6	14,353	15,100	16,076	54
Haskell	69	79	76	-3.4	17,721	20,302	19,343	16
Hodgeman	32	38	33	-11.7	14,344	17,445	14,921	78
Jackson	159	172	177	3.1	13,739	14,936	15,383	69
Jefferson	228	248	253	2.0	14,413	15,539	15,817	57
Jewell	52	69	57	-18.0	12,045	16,347	13,759	99
Johnson	8,592	9,472	9,885	4.4	24,687	26,481	27,097	3
Kearny	67	89	79	-11.7	16,892	22,033	19,734	10
Kingman	107	127	128	.7	12,773	15,355	15,419	68
Kiowa	57	67	66	-.3	15,453	18,289	18,556	21
Labette	335	345	365	5.9	14,023	14,598	15,437	67
Lane	46	46	49	6.2	19,175	19,598	21,161	7
Leavenworth	863	929	982	5.7	13,580	14,358	14,672	87
Lincoln	47	61	55	-9.8	12,773	16,744	15,568	62
Linn	104	110	115	4.0	12,597	13,374	13,671	101
Logan	45	48	51	5.2	14,528	15,759	16,576	40
Lyon	503	516	543	5.2	14,435	14,880	15,688	61
McPherson	421	462	471	1.8	15,389	16,971	17,296	33
Marion	163	177	178	.4	12,528	13,772	13,872	96
Marshall	168	194	187	-3.4	14,154	16,622	16,250	48
Meade	68	79	83	5.3	15,779	18,636	19,313	17
Miami	334	349	358	2.7	14,329	14,817	15,054	75
Mitchell	90	120	109	-9.2	12,308	16,676	15,061	73
Montgomery	542	573	590	3.0	13,855	14,798	15,202	70
Morris	76	84	83	-1.8	12,295	13,619	13,146	104
Morton	53	60	62	3.6	15,298	17,282	18,352	23
Nemaha	162	186	189	1.7	15,387	17,870	18,095	24
Neosho	239	256	272	6.3	13,904	15,090	15,861	56
Ness	68	82	77	-6.2	16,437	20,462	19,235	19
Norton	83	96	94	-1.9	13,798	16,168	16,110	52
Osage	209	224	231	3.3	13,739	14,654	14,921	79
Osborne	68	85	77	-9.0	13,629	17,478	15,538	63
Ottawa	71	82	77	-6.1	12,597	14,584	13,761	98
Pawnee	122	133	136	2.2	16,010	17,659	17,832	26
Phillips	96	110	109	-1.3	14,495	16,743	16,759	37
Pottawatomie	216	232	242	4.2	13,505	14,369	14,702	86
Pratt	144	163	170	4.6	14,623	16,870	17,706	29
Rawlins	49	59	53	-9.7	14,020	17,428	15,794	59
Reno	960	1,009	1,039	2.9	15,289	16,206	16,615	38
Republic	91	95	94	-1.9	13,857	14,768	14,604	90
Rice	147	167	168	.7	13,700	15,793	16,140	49
Riley	832	887	908	2.4	12,384	13,212	14,122	94
Rooks	74	86	84	-2.3	12,046	14,278	13,780	97
Rush	49	64	62	-4.3	12,446	16,916	16,122	50
Russell	124	139	136	-2.5	15,448	17,862	17,321	32
Saline	826	896	935	4.4	16,735	18,169	18,630	20
Scott	91	109	115	5.2	16,924	20,695	21,784	6
Sedgwick	7,193	7,663	8,083	5.5	17,926	18,937	19,666	12
Seward	276	298	333	11.5	14,706	15,923	17,827	27
Shawnee	2,916	3,044	3,166	4.0	18,159	18,887	19,476	13
Sheridan	44	50	52	2.9	14,063	16,576	17,419	31
Sherman	101	114	112	-1.5	14,360	16,506	16,485	44
Smith	70	79	77	-2.2	13,569	15,576	16,121	51
Stafford	85	95	97	1.1	15,520	17,883	18,517	22
Stanton	55	59	59	-.5	23,586	25,497	24,657	4
Stevens	106	111	112	.6	20,990	21,966	21,978	5
Sumner	389	423	429	1.3	15,049	16,365	16,475	45
Thomas	128	138	141	2.5	15,353	16,731	17,011	35
Trego	50	60	57	-5.5	13,255	16,405	15,811	58
Wabaunsee	88	97	97	.7	13,199	14,658	15,059	74
Wallace	30	29	29	-.8	16,622	15,924	15,538	64
Washington	84	101	98	-2.8	11,683	14,297	14,060	95
Wichita	62	60	54	-9.9	22,194	21,739	19,716	11
Wilson	142	143	149	4.0	13,572	13,972	14,775	84
Woodson	55	55	57	3.2	13,227	13,533	14,179	93
Wyandotte	2,175	2,258	2,347	3.9	13,330	13,971	14,629	89

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Kentucky	**51,475**	**55,287**	**58,014**	**4.9**	**13,998**	**14,984**	**15,626**	.....
Metropolitan portion	**28,613**	**30,721**	**32,014**	**4.2**	**16,395**	**17,458**	**18,093**	.....
Nonmetropolitan portion	**22,862**	**24,566**	**26,000**	**5.8**	**11,833**	**12,728**	**13,380**	.....
Adair	165	183	195	6.8	10,741	11,879	12,599	69
Allen	163	170	178	5.1	11,180	11,586	12,201	76
Anderson	195	209	225	7.3	13,549	14,300	14,834	32
Ballard	117	124	126	2.0	14,760	15,707	15,934	19
Barren	415	437	468	7.0	12,272	12,821	13,639	51
Bath	102	113	120	6.2	10,487	11,668	12,361	74
Bell	317	334	354	5.7	10,003	10,628	11,374	93
Boone	962	1,054	1,103	4.6	17,082	18,156	18,200	7
Bourbon	260	281	292	4.1	13,514	14,577	15,131	26
Boyd	782	814	846	3.9	15,224	15,939	16,534	13
Boyle	345	374	388	3.5	13,536	14,572	15,044	29
Bracken	80	89	96	8.7	10,406	11,387	12,179	78
Breathitt	149	170	176	3.3	9,456	10,873	11,827	85
Breckinridge	182	196	205	4.5	11,135	11,992	12,483	72
Bullitt	616	669	712	6.4	13,095	14,002	14,479	36
Butler	117	120	127	5.8	10,434	10,654	11,232	97
Caldwell	151	158	164	3.7	11,442	11,941	12,552	71
Calloway	405	428	458	7.1	13,367	13,843	14,827	33
Campbell	1,252	1,338	1,382	3.3	15,007	15,917	16,425	14
Carlisle	63	65	65	.4	12,050	12,344	12,311	75
Carroll	125	134	144	6.9	13,500	14,422	15,120	28
Carter	232	255	275	8.1	9,511	10,463	11,104	98
Casey	133	147	163	10.7	9,329	10,377	11,473	91
Christian	755	766	795	3.8	11,012	11,089	11,944	82
Clark	392	427	450	5.5	13,384	14,437	15,175	25
Clay	184	185	205	10.7	8,428	8,520	9,319	115
Clinton	77	84	94	11.5	8,366	9,202	10,175	109
Crittenden	96	100	105	4.8	10,418	10,836	11,296	94
Cumberland	62	67	73	8.5	9,044	9,969	10,828	101
Daviess	1,294	1,377	1,437	4.4	14,892	15,765	16,387	15
Edmonson	77	84	92	8.6	7,416	8,175	8,840	118
Elliott	47	50	57	13.5	7,245	7,800	8,695	120
Estill	139	151	163	7.5	9,531	10,345	10,874	100
Fayette	4,030	4,369	4,559	4.3	18,145	19,283	19,964	4
Fleming	131	141	147	4.1	10,648	11,484	11,807	86
Floyd	502	538	569	5.6	11,368	12,401	12,995	63
Franklin	685	733	774	5.7	15,721	16,695	17,661	9
Fulton	110	111	115	3.7	13,242	13,404	14,048	40
Gallatin	66	71	77	8.2	12,468	13,098	14,044	41
Garrard	147	161	171	5.9	12,745	13,898	14,380	38
Grant	188	208	225	8.3	12,154	13,123	13,860	45
Graves	463	470	504	7.3	13,889	13,972	14,976	30
Grayson	217	235	252	7.3	10,367	11,123	11,693	88
Green	111	123	132	7.3	10,713	11,877	12,737	66
Greenup	492	531	554	4.3	13,348	14,456	15,125	27
Hancock	111	120	124	3.5	14,061	15,267	15,901	20
Hardin	1,145	1,222	1,261	3.1	12,543	13,787	14,393	37
Harlan	397	434	446	2.8	10,683	11,923	12,188	77
Harrison	197	213	228	6.7	12,217	13,097	13,849	46
Hart	153	168	181	7.8	10,215	11,320	11,840	84
Henderson	641	682	701	2.8	14,971	15,817	16,188	17
Henry	168	184	198	7.8	13,123	14,302	14,956	31
Hickman	66	66	67	.3	11,724	11,974	11,925	83
Hopkins	727	767	794	3.4	15,783	16,621	17,110	12
Jackson	94	104	114	9.8	7,859	8,666	9,379	113
Jefferson	11,933	12,823	13,325	3.9	17,945	19,277	20,006	3
Jessamine	432	479	507	5.9	14,370	15,611	16,149	18
Johnson	259	278	294	5.7	11,033	11,984	12,586	70
Kenton	2,235	2,380	2,465	3.6	15,852	16,708	17,239	10
Knott	155	164	176	7.1	8,644	9,182	9,740	112
Knox	276	303	326	7.4	9,319	10,213	10,802	102
Larue	147	158	163	3.5	12,566	13,519	13,910	43
Laurel	500	528	572	8.3	11,630	12,100	12,885	65
Lawrence	126	136	149	9.2	9,051	9,731	10,421	105
Lee	61	64	69	7.3	8,187	8,698	9,343	114
Leslie	122	133	144	8.0	8,878	9,783	10,550	104
Letcher	272	296	315	6.2	9,968	10,998	11,640	89
Lewis	123	136	147	8.4	9,358	10,431	11,259	96
Lincoln	192	210	223	6.0	9,648	10,448	10,989	99
Livingston	108	120	126	4.8	11,975	13,231	13,816	48
Logan	300	313	328	4.7	12,288	12,805	13,301	56
Lyon	69	72	77	7.0	10,413	10,897	11,498	90
McCracken	1,030	1,124	1,181	5.0	16,453	17,844	18,675	6
McCreary	110	120	138	14.2	7,045	7,718	8,741	119
McLean	125	128	129	.2	12,910	13,324	13,332	55
Madison	677	745	786	5.5	11,916	12,892	13,432	53
Magoffin	105	119	131	10.2	7,962	9,080	9,912	110
Marion	189	206	219	6.4	11,358	12,482	13,119	59
Marshall	378	401	422	5.1	14,062	14,699	15,273	23
Martin	144	151	161	6.0	11,319	12,135	12,623	68
Mason	215	237	246	4.0	12,936	14,174	14,613	35
Meade	260	281	283	.7	10,881	11,582	12,102	80
Menifee	38	42	45	8.5	7,563	8,214	8,933	117
Mercer	276	307	314	2.5	14,501	15,979	16,326	16
Metcalfe	86	94	106	13.0	9,584	10,455	11,779	87
Monroe	130	138	149	7.8	11,356	12,156	13,097	61
Montgomery	237	253	264	4.4	12,112	12,923	13,526	52
Morgan	97	111	124	11.6	8,279	9,548	10,375	107
Muhlenberg	356	380	397	4.3	11,334	12,156	12,667	67
Nelson	401	441	462	4.8	13,593	14,804	15,187	24
Nicholas	81	88	95	8.9	12,038	13,013	14,075	39
Ohio	226	245	257	4.9	10,693	11,603	12,081	81
Oldham	683	721	755	4.8	21,024	21,472	21,523	2
Owen	94	106	115	8.4	10,391	11,735	12,369	73
Owsley	38	42	47	11.7	7,510	8,413	9,127	116
Pendleton	134	147	163	11.2	11,324	12,116	13,145	58
Perry	376	408	426	4.5	12,282	13,499	13,843	47
Pike	876	964	1,022	6.0	11,911	13,328	13,972	42
Powell	110	114	121	5.9	9,416	9,768	10,404	106
Pulaski	595	659	700	6.2	12,073	13,291	13,884	44
Robertson	21	23	25	9.1	10,081	10,659	11,444	92
Rockcastle	139	150	162	7.7	9,418	10,129	10,800	103
Rowan	196	214	233	9.1	9,718	10,455	11,283	95
Russell	170	184	194	5.5	11,629	12,443	12,920	64
Scott	377	410	434	6.0	15,996	17,088	17,804	8
Shelby	386	415	435	4.9	15,712	16,637	17,187	11
Simpson	192	194	204	5.1	12,701	12,823	13,196	57
Spencer	78	85	91	6.6	11,611	12,463	13,119	60
Taylor	264	275	291	5.8	12,536	12,994	13,640	50
Todd	125	128	134	4.6	11,391	11,680	12,177	79
Trigg	128	134	140	5.1	12,414	12,855	13,373	54
Trimble	86	84	91	8.9	14,073	13,767	14,692	34
Union	236	246	252	2.4	14,174	14,895	15,298	22
Warren	1,059	1,131	1,208	6.8	13,804	14,750	15,570	21
Washington	126	138	143	3.8	12,150	13,201	13,679	49
Wayne	154	168	181	7.7	8,846	9,621	10,281	108
Webster	223	240	261	8.9	15,877	17,210	18,847	5
Whitley	380	409	438	7.0	11,377	12,279	13,047	62
Wolfe	54	58	68	15.8	8,273	8,999	9,899	111
Woodford	410	430	446	3.6	20,842	21,459	21,893	1
Louisiana	**56,286**	**60,220**	**64,035**	**6.3**	**13,235**	**14,300**	**15,054**	.....
Metropolitan portion	**44,471**	**47,439**	**50,198**	**5.8**	**14,235**	**15,326**	**16,034**	.....
Nonmetropolitan portion	**11,815**	**12,782**	**13,837**	**8.3**	**10,466**	**11,455**	**12,320**	.....
Acadia	562	593	641	8.0	9,959	10,643	11,347	52
Allen	189	199	219	9.9	8,810	9,393	10,288	61
Ascension	719	797	876	10.0	12,375	13,677	14,763	12
Assumption	232	250	267	6.8	10,118	11,004	11,769	48
Avoyelles	345	394	407	3.3	8,724	10,091	10,454	60
Beauregard	349	375	401	7.0	11,512	12,483	12,964	29
Bienville	178	188	200	6.4	11,079	11,794	12,530	37
Bossier	1,114	1,189	1,266	6.5	12,875	13,830	14,673	13
Caddo	3,766	3,919	4,108	4.8	15,035	15,828	16,668	7
Calcasieu	2,244	2,455	2,614	6.5	13,291	14,613	15,363	9
Caldwell	104	113	120	6.1	10,400	11,594	12,294	39
Cameron	107	116	122	5.0	11,396	12,548	13,125	27
Catahoula	91	105	113	7.7	8,046	9,557	10,149	63
Claiborne	184	192	201	4.6	10,438	11,060	11,600	49
Concordia	218	239	251	5.2	10,297	11,531	12,146	40
De Soto	283	292	302	3.5	11,022	11,562	12,054	41
East Baton Rouge	6,173	6,587	7,019	6.5	16,155	17,353	18,148	1
East Carroll	89	91	121	32.4	9,020	9,450	12,747	34
East Feliciana	205	227	250	10.2	10,621	11,822	12,883	31
Evangeline	330	367	401	9.0	9,823	11,073	11,948	44
Franklin	190	215	243	13.3	8,402	9,627	10,987	55
Grant	166	181	193	6.5	9,462	10,357	11,001	54
Iberia	779	843	906	7.5	11,346	12,367	13,127	26
Iberville	364	401	425	6.0	11,573	12,968	13,694	20
Jackson	177	184	201	9.1	11,115	11,781	12,909	30
Jefferson	7,098	7,537	7,942	5.4	15,707	16,849	17,489	3
Jefferson Davis	311	338	371	9.9	10,016	11,031	11,980	43
Lafayette	2,483	2,746	2,917	6.2	14,977	16,695	17,266	4
Lafourche	1,014	1,087	1,149	5.7	11,753	12,678	13,307	22
La Salle	148	158	170	7.3	10,530	11,676	12,307	38
Lincoln	484	515	581	12.7	11,559	12,341	13,761	19
Livingston	719	782	851	8.8	10,212	11,082	11,811	47
Madison	102	106	128	20.8	7,967	8,597	10,510	59
Morehouse	353	372	420	12.9	10,887	11,708	13,245	25
Natchitoches	377	397	423	6.4	10,172	10,863	11,512	51
Orleans	7,712	8,146	8,487	4.2	15,262	16,474	17,130	5
Ouachita	1,830	1,941	2,065	6.4	12,820	13,662	14,396	15
Plaquemines	351	374	406	8.6	13,640	14,643	15,865	8
Pointe Coupee	242	265	271	2.3	10,590	11,821	11,981	42
Rapides	1,760	1,877	2,007	6.9	13,283	14,296	15,230	10
Red River	102	105	110	4.6	10,703	11,200	11,888	45
Richland	239	252	296	17.5	11,414	12,249	14,456	14
Sabine	248	265	288	8.8	10,797	11,758	12,773	33
St. Bernard	854	900	943	4.7	12,777	13,521	14,180	17
St. Charles	626	685	728	6.2	14,759	16,127	16,731	6
St. Helena	74	80	85	5.7	7,421	8,117	8,498	64
St. James	281	294	312	6.1	13,330	14,115	15,029	11
St. John the Baptist	486	524	541	3.3	12,193	13,076	13,305	23
St. Landry	808	884	932	5.4	9,941	11,048	11,547	50

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
St. Martin	425	446	489	9.8	9,632	10,142	11,087	53
St. Mary	665	712	750	5.4	11,235	12,326	12,878	32
St. Tammany	2,277	2,457	2,642	7.5	15,862	16,958	17,531	2
Tangipahoa	913	999	1,098	9.9	10,602	11,673	12,673	35
Tensas	67	84	94	11.0	9,289	11,943	13,526	21
Terrebonne	1,123	1,208	1,285	6.3	11,491	12,488	13,017	28
Union	239	257	275	7.0	11,427	12,442	13,276	24
Vermilion	553	601	635	5.7	10,973	12,028	12,658	36
Vernon	577	627	688	9.6	9,355	10,109	10,695	57
Washington	456	478	504	5.3	10,462	11,109	11,839	46
Webster	517	543	577	6.3	12,207	12,957	13,868	18
West Baton Rouge	246	263	279	5.9	12,585	13,578	14,209	16
West Carroll	96	109	128	17.1	7,853	9,040	10,541	58
West Feliciana	114	125	132	5.5	8,785	9,695	10,207	62
Winn	155	165	173	4.7	9,455	10,174	10,836	56
Maine	**19,957**	**21,084**	**21,531**	**2.1**	**16,358**	**17,125**	**17,442**	.....
Metropolitan portion	**8,685**	**9,162**	**9,319**	**1.7**	**17,670**	**18,458**	**18,792**	.....
Nonmetropolitan portion	**11,272**	**11,922**	**12,213**	**2.4**	**15,473**	**16,224**	**16,537**	.....
Androscoggin	1,633	1,704	1,744	2.3	15,582	16,161	16,682	8
Aroostook	1,151	1,216	1,267	4.2	13,153	14,008	14,483	12
Cumberland	4,876	5,158	5,214	1.1	20,230	21,142	21,351	1
Franklin	418	435	449	3.3	14,436	14,981	15,387	10
Hancock	798	873	894	2.4	17,158	18,516	18,796	3
Kennebec	1,893	2,012	2,074	3.1	16,428	17,320	17,712	6
Knox	591	624	639	2.3	16,359	17,159	17,398	7
Lincoln	555	587	589	.3	18,508	19,247	19,330	2
Oxford	747	784	801	2.1	14,290	14,876	15,272	11
Penobscot	2,176	2,300	2,361	2.7	14,937	15,649	16,043	9
Piscataquis	243	256	263	2.5	13,104	13,718	14,087	15
Sagadahoc	585	616	621	.9	17,616	18,290	18,416	4
Somerset	627	689	713	3.5	12,665	13,812	14,144	14
Waldo	407	433	443	2.3	12,470	13,053	13,135	16
Washington	448	476	509	6.9	12,725	13,456	14,250	13
York	2,808	2,921	2,952	1.1	17,256	17,670	17,848	5
Maryland	**98,915**	**105,236**	**108,363**	**3.0**	**20,924**	**21,915**	**22,304**	.....
Metropolitan portion	**93,468**	**99,407**	**102,291**	**2.9**	**21,297**	**22,299**	**22,687**	.....
Nonmetropolitan portion	**5,447**	**5,829**	**6,071**	**4.2**	**16,091**	**16,941**	**17,361**	.....
Allegany	1,043	1,097	1,144	4.3	13,907	14,638	15,241	21
Anne Arundel	9,206	9,793	10,010	2.2	21,768	22,835	23,056	5
Baltimore	15,474	16,394	16,698	1.9	22,506	23,625	23,836	4
Calvert	1,031	1,124	1,198	6.5	20,654	21,663	21,972	7
Caroline	366	399	408	2.3	13,764	14,677	14,925	22
Carroll	2,555	2,812	2,899	3.1	21,111	22,636	22,777	6
Cecil	1,254	1,298	1,346	3.7	17,828	18,102	18,419	15
Charles	1,810	1,937	2,020	4.3	18,298	18,990	19,462	13
Dorchester	476	502	518	3.1	15,792	16,581	17,157	18
Frederick	2,789	3,004	3,126	4.1	18,960	19,846	20,152	10
Garrett	350	376	392	4.1	12,522	13,330	13,635	23
Harford	3,609	3,871	4,016	3.7	20,229	21,098	21,171	9
Howard	4,867	5,273	5,401	2.4	26,801	27,834	27,919	2
Kent	321	348	355	2.1	18,064	19,440	19,522	12
Montgomery	21,690	23,167	23,748	2.5	29,245	30,376	30,915	1
Prince Georges	13,517	14,294	14,857	3.9	18,712	19,531	19,993	11
Queen Annes	673	731	742	1.6	20,289	21,348	21,424	8
St. Marys	1,184	1,267	1,350	6.5	15,863	16,569	17,196	17
Somerset	250	260	272	4.6	10,814	11,020	11,682	24
Talbot	720	779	797	2.3	23,904	25,351	25,488	3
Washington	1,892	1,985	2,074	4.5	15,712	16,304	16,845	20
Wicomico	1,151	1,230	1,281	4.2	15,674	16,466	16,870	19
Worcester	630	670	700	4.5	18,103	19,070	19,253	14
Baltimore City	12,058	12,626	13,011	3.0	16,329	17,168	17,751	16
Massachusetts	**131,248**	**135,797**	**138,175**	**1.8**	**21,818**	**22,558**	**23,046**	.....
Metropolitan portion	**129,571**	**134,058**	**136,372**	**1.7**	**21,856**	**22,600**	**23,084**	.....
Nonmetropolitan portion	**1,677**	**1,739**	**1,803**	**3.7**	**19,224**	**19,767**	**20,452**	.....
Barnstable	4,189	4,313	4,381	1.6	22,733	23,002	23,319	6
Berkshire	2,703	2,791	2,830	1.4	19,240	20,075	20,513	9
Bristol	9,000	9,278	9,580	3.3	17,772	18,315	18,867	12
Dukes	266	277	288	3.7	23,189	23,702	24,550	5
Essex	14,840	15,216	15,494	1.8	22,151	22,695	23,164	7
Franklin	1,228	1,272	1,320	3.7	17,591	18,118	18,779	13
Hampden	8,364	8,583	8,869	3.3	18,320	18,803	19,538	11
Hampshire	2,529	2,627	2,674	1.8	17,253	17,914	18,149	14
Middlesex	34,514	35,687	36,027	1.0	24,639	25,520	25,878	3
Nantucket	183	189	195	3.2	30,741	31,320	31,778	1
Norfolk	16,194	16,663	16,831	1.0	26,257	27,043	27,309	2
Plymouth	9,007	9,161	9,384	2.4	20,718	21,027	21,450	8
Suffolk	14,461	15,624	16,021	2.5	21,735	23,539	24,625	4
Worcester	13,770	14,115	14,282	1.2	19,494	19,848	20,194	10
Michigan	**163,200**	**170,419**	**174,870**	**2.6**	**17,637**	**18,297**	**18,642**	.....
Metropolitan portion	**141,738**	**147,814**	**151,254**	**2.3**	**18,486**	**19,168**	**19,486**	.....
Nonmetropolitan portion	**21,463**	**22,605**	**23,616**	**4.5**	**13,532**	**14,107**	**14,596**	.....
Alcona	124	130	135	4.2	12,377	12,754	13,182	69
Alger	96	101	107	6.2	10,753	11,187	11,433	77
Allegan	1,377	1,476	1,522	3.1	15,407	16,231	16,507	25
Alpena	422	446	465	4.3	13,817	14,553	15,107	36
Antrim	244	262	270	3.0	13,646	14,323	14,503	49
Arenac	190	199	208	4.4	12,841	13,303	13,471	65
Baraga	95	101	107	6.1	11,905	12,705	13,368	68
Barry	771	818	854	4.3	15,592	16,268	16,896	22
Bay	1,733	1,818	1,877	3.2	15,505	16,269	16,790	23
Benzie	154	165	173	5.1	12,777	13,432	13,972	58
Berrien	2,500	2,595	2,676	3.1	15,527	16,061	16,576	24
Branch	541	561	590	5.2	13,115	13,478	14,162	55
Calhoun	2,062	2,133	2,240	5.0	15,213	15,664	16,305	29
Cass	751	776	802	3.4	15,273	15,639	16,286	30
Charlevoix	306	338	356	5.4	14,451	15,659	16,284	31
Cheboygan	265	280	292	4.3	12,492	13,049	13,696	60
Chippewa	349	384	407	5.9	10,267	11,027	11,676	75
Clare	285	306	325	6.4	11,538	12,197	12,558	72
Clinton	885	938	970	3.4	15,448	16,136	16,502	26
Crawford	117	128	137	6.3	9,802	10,382	10,822	83
Delta	508	542	568	4.8	13,459	14,331	14,909	42
Dickinson	446	484	478	-1.3	16,677	18,034	17,776	14
Eaton	1,535	1,637	1,705	4.1	16,669	17,569	18,058	12
Emmet	431	464	486	4.8	17,414	18,467	18,949	9
Genesee	6,963	7,209	7,532	4.5	16,168	16,743	17,459	18
Gladwin	261	280	296	5.6	12,077	12,740	13,130	71
Gogebic	219	234	256	9.2	12,073	12,991	14,155	56
Grand Traverse	1,017	1,098	1,158	5.5	16,124	16,966	17,586	17
Gratiot	534	559	579	3.5	13,726	14,321	14,716	44
Hillsdale	600	635	650	2.5	13,908	14,571	14,772	43
Houghton	425	457	485	6.2	11,910	12,915	13,601	62
Huron	547	558	578	3.6	15,637	15,957	16,445	27
Ingham	4,692	4,894	5,079	3.8	16,707	17,329	17,947	13
Ionia	695	730	758	3.8	12,338	12,744	13,171	70
Iosco	376	397	418	5.1	12,499	13,124	13,540	63
Iron	176	188	192	2.1	13,315	14,267	14,644	47
Isabella	739	788	828	5.0	13,579	14,407	14,917	41
Jackson	2,257	2,339	2,418	3.4	15,175	15,575	16,039	33
Kalamazoo	3,929	4,085	4,266	4.4	17,691	18,239	19,023	7
Kalkaska	133	144	156	8.2	10,031	10,574	11,161	82
Kent	8,826	9,326	9,638	3.3	17,816	18,555	18,989	8
Keweenaw	22	23	24	5.5	12,547	13,318	13,987	57
Lake	86	92	99	7.7	10,107	10,651	11,200	81
Lapeer	1,238	1,284	1,309	2.0	16,790	17,078	17,057	21
Leelanau	273	292	304	4.2	16,768	17,564	18,122	11
Lenawee	1,450	1,482	1,515	2.2	15,973	16,152	16,427	28
Livingston	2,318	2,443	2,498	2.2	20,448	20,970	20,979	3
Luce	99	105	114	8.4	17,060	18,190	19,717	6
Mackinac	135	147	155	5.3	12,741	13,747	14,432	51
Macomb	14,311	14,870	15,079	1.4	20,082	20,672	20,877	4
Manistee	286	304	325	6.9	13,442	14,288	15,104	37
Marquette	924	964	1,047	8.7	13,020	13,592	14,658	46
Mason	342	362	382	5.4	13,399	14,184	14,692	45
Mecosta	424	442	465	5.1	11,408	11,833	12,195	73
Menominee	328	343	357	4.1	13,149	13,762	14,455	50
Midland	1,432	1,500	1,544	2.9	19,115	19,748	20,155	5
Missaukee	135	138	142	3.1	11,311	11,268	11,422	78
Monroe	2,198	2,284	2,321	1.6	16,562	17,052	17,266	19
Montcalm	690	700	725	3.6	13,185	13,122	13,385	67
Montmorency	96	99	105	5.5	10,935	11,042	11,545	76
Muskegon	2,228	2,336	2,416	3.4	14,091	14,661	15,073	38
Newaygo	489	537	565	5.2	12,948	13,998	14,394	53
Oakland	27,956	29,390	29,781	1.3	26,067	27,016	27,070	1
Oceana	313	326	341	4.3	14,041	14,493	14,954	40
Ogemaw	197	205	219	6.8	10,726	10,907	11,353	79
Ontonagon	119	124	129	4.4	13,491	13,964	14,591	48
Osceola	227	232	245	5.8	11,346	11,459	12,061	74
Oscoda	78	83	90	7.9	10,169	10,551	11,202	80
Otsego	245	267	278	4.4	13,923	14,743	14,980	39
Ottawa	3,244	3,462	3,585	3.6	17,594	18,315	18,583	10
Presque Isle	175	183	189	3.1	12,770	13,308	13,636	61
Roscommon	246	259	275	6.3	12,677	12,994	13,521	64
Saginaw	3,394	3,522	3,644	3.5	15,993	16,616	17,162	20
St. Clair	2,420	2,546	2,611	2.5	16,788	17,417	17,608	16
St. Joseph	853	872	900	3.2	14,554	14,769	15,215	34
Sanilac	586	602	612	1.6	14,732	15,055	15,210	35
Schoolcraft	102	103	110	7.1	12,269	12,375	13,403	66
Shiawassee	1,082	1,111	1,135	2.1	15,594	15,891	16,137	32
Tuscola	759	786	803	2.2	13,744	14,135	14,418	52
Van Buren	914	967	1,023	5.8	13,173	13,753	14,383	54
Washtenaw	6,163	6,540	6,641	1.5	21,958	23,043	23,116	2
Wayne	35,712	36,737	37,365	1.7	16,822	17,420	17,662	15
Wexford	336	351	368	4.9	12,829	13,288	13,804	59
Minnesota	**77,370**	**82,042**	**84,789**	**3.3**	**17,835**	**18,690**	**19,130**	.....
Metropolitan portion	**57,867**	**61,451**	**63,760**	**3.8**	**19,460**	**20,315**	**20,839**	.....
Nonmetropolitan portion	**19,502**	**20,591**	**21,029**	**2.1**	**14,294**	**15,088**	**15,320**	.....
Aitkin	149	158	167	5.5	11,872	12,758	13,280	78
Anoka	4,085	4,325	4,546	5.1	17,104	17,623	18,052	9
Becker	350	379	384	1.4	12,555	13,573	13,587	72

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Beltrami	410	447	475	6.2	12,033	12,950	13,436	77
Benton	409	426	443	4.0	13,765	14,034	14,273	68
Big Stone	90	94	97	2.9	14,028	15,019	15,575	46
Blue Earth	773	808	826	2.3	14,275	14,947	15,173	55
Brown	428	440	451	2.5	15,841	16,320	16,720	19
Carlton	391	417	439	5.3	13,361	14,235	14,882	62
Carver	911	995	1,041	4.7	19,508	20,568	20,728	6
Cass	252	266	279	4.8	11,633	12,189	12,558	82
Chippewa	190	208	209	.6	14,231	15,739	15,776	43
Chisago	464	497	518	4.2	15,443	16,184	16,487	25
Clay	677	735	749	1.9	13,506	14,540	14,731	64
Clearwater	92	96	101	4.5	11,025	11,578	12,248	84
Cook	60	65	69	5.2	15,390	16,890	17,248	17
Cottonwood	205	203	201	-.6	16,016	16,011	16,153	32
Crow Wing	620	663	702	5.8	14,104	14,958	15,416	49
Dakota	5,439	5,796	6,087	5.0	20,384	20,826	21,294	3
Dodge	231	241	251	4.0	14,805	15,268	15,678	45
Douglas	383	407	423	3.9	13,405	14,171	14,523	65
Faribault	267	264	257	-2.6	15,580	15,658	15,401	50
Fillmore	295	307	317	3.2	14,183	14,799	15,366	51
Freeborn	502	497	502	1.0	15,127	15,053	15,323	53
Goodhue	647	687	712	3.7	16,024	16,833	17,320	16
Grant	92	99	101	1.8	14,509	15,950	16,201	31
Hennepin	23,208	24,762	25,498	3.0	22,692	23,899	24,544	1
Houston	273	289	294	1.4	14,798	15,630	15,835	40
Hubbard	176	187	197	5.2	11,845	12,474	12,879	81
Isanti	364	380	397	4.5	14,185	14,597	14,954	61
Itasca	515	543	575	5.8	12,557	13,309	13,947	70
Jackson	186	185	179	-3.5	15,742	15,946	15,339	52
Kanabec	158	168	174	3.5	12,398	13,107	13,507	74
Kandiyohi	575	620	639	3.0	14,935	15,960	16,260	30
Kittson	103	115	92	-20.4	17,759	20,069	16,064	35
Koochiching	201	232	228	-1.5	12,257	14,222	14,299	66
Lac Qui Parle	137	144	142	-1.2	15,124	16,225	16,279	29
Lake	116	133	140	5.5	11,008	12,815	13,485	75
Lake of the Woods	49	55	57	4.7	12,162	13,403	13,485	76
Le Sueur	360	382	388	1.7	15,502	16,412	16,558	23
Lincoln	100	103	108	5.0	14,277	15,026	15,926	39
Lyon	385	405	430	6.3	15,547	16,323	17,372	14
McLeod	499	518	538	3.9	15,724	16,111	16,673	20
Mahnomen	54	62	57	-7.9	10,656	12,348	11,353	87
Marshall	151	173	147	-15.1	13,531	15,825	13,549	73
Martin	388	399	387	-3.1	16,798	17,477	16,870	18
Meeker	285	309	317	2.6	13,706	14,777	15,043	58
Mille Lacs	267	283	292	3.4	14,325	15,122	15,287	54
Morrison	364	383	389	1.6	12,344	12,903	13,111	79
Mower	577	620	650	4.9	15,381	16,602	17,347	15
Murray	161	155	161	4.3	16,520	16,064	16,545	24
Nicollet	395	410	422	2.9	14,141	14,587	14,842	63
Nobles	340	344	355	3.2	16,849	17,124	17,708	11
Norman	119	143	129	-9.7	14,784	17,983	16,418	26
Olmsted	2,037	2,213	2,330	5.3	19,392	20,680	21,354	2
Otter Tail	699	749	770	2.8	13,789	14,753	14,994	60
Pennington	189	213	213	.1	14,107	16,012	15,808	41
Pine	231	242	252	4.4	10,980	11,331	11,681	86
Pipestone	160	163	173	6.1	15,173	15,591	16,578	21
Polk	477	529	520	-1.6	14,646	16,286	16,007	36
Pope	133	140	141	.2	12,349	13,091	13,069	80
Ramsey	9,381	9,781	10,095	3.2	19,433	20,086	20,742	5
Red Lake	59	64	62	-3.1	12,936	14,166	13,828	71
Redwood	265	268	272	1.7	15,247	15,559	15,781	42
Renville	297	300	313	4.2	16,632	17,042	17,749	10
Rice	731	788	813	3.2	14,974	15,973	16,286	28
Rock	162	162	162	.1	16,407	16,575	16,575	22
Roseau	224	249	240	-3.8	15,211	16,468	15,526	47
St. Louis	2,872	3,030	3,177	4.8	14,417	15,307	15,986	37
Scott	1,043	1,127	1,186	5.2	18,497	19,303	19,689	8
Sherburne	543	584	623	6.6	13,313	13,794	14,224	69
Sibley	220	222	221	-.6	15,263	15,462	15,421	48
Stearns	1,663	1,759	1,815	3.2	14,138	14,756	15,077	56
Steele	502	528	541	2.4	16,413	17,164	17,498	12
Stevens	161	169	173	2.5	15,138	15,861	16,371	27
Swift	149	155	152	-2.3	13,672	14,535	14,296	67
Todd	270	288	290	.6	11,530	12,357	12,428	83
Traverse	86	91	89	-2.0	18,966	20,427	20,491	7
Wabasha	281	298	300	1.0	14,288	15,045	15,076	57
Wadena	150	158	159	.9	11,414	12,007	12,223	85
Waseca	278	288	288	-.1	15,409	15,926	15,759	44
Washington	2,938	3,045	3,212	5.5	20,605	20,698	21,087	4
Watonwan	181	186	175	-6.1	15,401	15,931	15,028	59
Wilkin	111	117	119	1.8	14,637	15,616	16,065	34
Winona	698	752	764	1.7	14,655	15,684	15,955	38
Wright	1,082	1,177	1,231	4.6	16,006	17,022	17,376	13
Yellow Medicine	177	184	188	2.2	14,921	15,775	16,078	33
Mississippi	**30,778**	**32,692**	**34,538**	**5.6**	**11,956**	**12,700**	**13,318**	.....
Metropolitan portion	**10,690**	**11,359**	**11,979**	**5.5**	**13,829**	**14,619**	**15,195**	.....
Nonmetropolitan portion	**20,088**	**21,333**	**22,559**	**5.7**	**11,152**	**11,870**	**12,499**	.....
Adams	434	459	479	4.2	12,123	13,040	13,528	16
Alcorn	384	410	431	5.1	12,053	12,934	13,342	18
Amite	120	128	135	5.5	9,015	9,613	10,079	74
Attala	186	200	213	6.6	10,028	10,820	11,439	55
Benton	81	82	86	4.8	10,054	10,181	10,843	62
Bolivar	422	447	499	11.7	9,976	10,707	12,030	43
Calhoun	159	166	173	4.3	10,600	11,120	11,654	51
Carroll	86	93	99	6.3	9,305	10,046	10,544	71
Chickasaw	199	211	222	5.6	11,053	11,629	12,311	38
Choctaw	84	86	90	4.8	9,235	9,426	9,904	75
Claiborne	100	102	109	6.7	8,760	9,012	9,518	77
Clarke	176	181	191	5.5	10,155	10,449	11,040	61
Clay	244	256	271	5.9	11,546	12,115	12,674	28
Coahoma	346	366	403	10.3	10,755	11,601	12,779	26
Copiah	269	283	297	4.9	9,791	10,248	10,758	64
Covington	161	165	176	6.3	9,773	9,986	10,653	67
De Soto	1,004	1,089	1,163	6.8	15,065	15,920	16,332	1
Forrest	855	895	935	4.5	12,528	13,090	13,549	15
Franklin	90	94	100	6.0	10,643	11,264	12,121	41
George	161	174	182	4.8	9,682	10,400	10,708	65
Greene	84	89	96	8.4	8,196	8,689	9,356	78
Grenada	267	266	284	6.8	12,432	12,299	12,997	21
Hancock	366	389	408	5.1	11,693	12,168	12,610	30
Harrison	2,116	2,257	2,367	4.9	12,788	13,645	14,194	9
Hinds	3,853	4,002	4,162	4.0	15,091	15,738	16,257	2
Holmes	186	198	217	9.5	8,549	9,170	10,106	73
Humphreys	140	160	167	4.7	11,349	13,207	14,023	12
Issaquena	20	21	27	25.2	10,181	11,281	14,084	11
Itawamba	214	226	234	3.5	10,653	11,309	11,709	50
Jackson	1,428	1,514	1,630	7.7	12,325	13,152	13,918	14
Jasper	165	171	181	5.4	9,649	10,016	10,631	68
Jefferson	68	68	73	6.6	7,814	7,915	8,655	82
Jefferson Davis	116	120	126	4.9	8,233	8,536	9,076	80
Jones	741	785	835	6.3	11,923	12,656	13,459	17
Kemper	91	94	100	6.3	8,765	9,039	9,610	76
Lafayette	351	383	406	6.1	11,070	12,001	12,596	31
Lamar	292	319	347	9.0	9,741	10,418	11,279	57
Lauderdale	1,091	1,144	1,205	5.3	14,399	15,155	15,885	3
Lawrence	127	132	139	5.7	10,133	10,598	11,230	58
Leake	207	214	231	8.0	11,226	11,613	12,527	33
Lee	891	967	1,016	5.1	13,722	14,687	15,124	7
Leflore	431	464	489	5.5	11,357	12,485	13,021	20
Lincoln	339	365	385	5.7	11,180	12,046	12,650	29
Lowndes	774	832	848	1.9	13,030	14,031	14,164	10
Madison	733	814	868	6.6	13,925	15,020	15,627	5
Marion	254	268	280	4.3	9,869	10,522	11,062	60
Marshall	319	348	368	5.8	10,510	11,464	11,827	46
Monroe	431	456	473	3.6	11,789	12,471	12,881	23
Montgomery	124	132	139	4.9	9,921	10,703	11,341	56
Neshoba	249	268	289	7.5	10,071	10,812	11,492	53
Newton	243	254	265	4.3	11,985	12,520	12,872	24
Noxubee	99	106	113	6.3	7,818	8,460	9,055	81
Oktibbeha	408	434	454	4.6	10,658	11,291	11,822	47
Panola	305	331	352	6.3	10,246	10,996	11,505	52
Pearl River	398	425	450	5.9	10,346	10,955	11,490	54
Perry	107	113	118	3.9	9,898	10,423	10,700	66
Pike	391	411	431	5.1	10,568	11,140	11,717	49
Pontotoc	265	281	296	5.1	11,964	12,632	13,123	19
Prentiss	248	271	285	5.0	10,626	11,652	12,094	42
Quitman	101	102	107	4.5	9,487	9,761	10,263	72
Rankin	1,190	1,295	1,381	6.7	13,876	14,765	15,454	6
Scott	305	321	348	8.5	12,609	13,294	14,441	8
Sharkey	66	75	84	11.7	9,221	10,692	11,946	44
Simpson	256	275	297	7.8	10,696	11,496	12,371	36
Smith	170	172	185	7.5	11,391	11,657	12,543	32
Stone	111	120	130	7.7	10,441	11,164	11,852	45
Sunflower	343	370	404	9.2	10,326	11,295	12,244	39
Tallahatchie	139	152	163	7.2	9,084	10,005	10,779	63
Tate	271	289	302	4.6	12,717	13,461	13,983	13
Tippah	221	235	243	3.0	11,398	12,023	12,473	34
Tishomingo	186	211	230	9.2	10,519	11,914	12,837	25
Tunica	79	85	85	.5	9,502	10,441	10,575	70
Union	245	260	272	4.5	11,097	11,756	12,154	40
Walthall	121	125	133	6.2	8,453	8,683	9,237	79
Warren	692	715	753	5.5	14,312	14,963	15,753	4
Washington	759	800	858	7.1	11,114	11,799	12,720	27
Wayne	193	208	219	5.6	9,898	10,638	11,167	59
Webster	113	120	126	5.1	11,031	11,757	12,314	37
Wilkinson	88	95	100	6.2	9,036	9,787	10,593	69
Winston	211	225	232	2.8	10,809	11,595	11,796	48
Yalobusha	139	145	149	2.7	11,403	12,105	12,376	35
Yazoo	285	318	331	4.0	11,086	12,511	12,965	22

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Missouri	**84,546**	**88,936**	**92,733**	**4.3**	**16,591**	**17,347**	**17,980**	.....
Metropolitan portion	**63,894**	**67,233**	**69,822**	**3.9**	**18,400**	**19,216**	**19,836**	.....
Nonmetropolitan portion	**20,652**	**21,703**	**22,911**	**5.6**	**12,721**	**13,332**	**13,992**	.....
Adair	306	325	341	5.1	12,437	13,214	13,944	64
Andrew	200	214	223	4.3	13,687	14,623	15,109	37
Atchison	96	117	123	5.3	12,797	15,691	16,508	15
Audrain	332	340	355	4.6	13,979	14,412	14,998	40
Barry	353	379	407	7.2	12,987	13,700	14,540	44
Barton	159	156	162	3.9	14,108	13,751	14,149	59
Bates	215	214	222	3.5	14,291	14,256	14,606	43
Benton	146	155	167	7.2	10,664	11,166	11,793	102
Bollinger	110	114	121	5.5	10,388	10,737	11,304	106
Boone	1,798	1,922	2,046	6.5	16,114	17,055	17,782	7
Buchanan	1,272	1,326	1,389	4.8	15,264	15,972	16,713	13
Butler	450	489	537	9.7	11,652	12,595	13,617	73
Caldwell	110	112	114	2.1	13,168	13,346	13,638	71
Callaway	465	487	511	5.0	14,245	14,807	15,382	31
Camden	377	404	422	4.4	13,937	14,610	15,033	39
Cape Girardeau	959	1,000	1,043	4.3	15,628	16,192	16,701	14
Carroll	146	146	151	3.2	13,438	13,657	14,229	55
Carter	50	53	58	10.3	9,045	9,569	10,224	113
Cass	1,024	1,077	1,130	5.0	16,365	16,753	17,134	9
Cedar	139	146	153	5.2	11,490	12,031	12,661	87
Chariton	126	125	132	5.5	13,550	13,630	14,528	46
Christian	442	469	509	8.4	13,982	14,208	14,670	42
Clark	82	85	89	5.3	10,767	11,230	11,799	101
Clay	2,728	2,815	2,934	4.2	17,982	18,270	18,770	6
Clinton	243	253	263	4.1	14,755	15,183	15,602	25
Cole	969	1,045	1,102	5.4	15,281	16,423	16,974	10
Cooper	194	198	213	7.4	13,020	13,353	14,207	56
Crawford	254	264	279	5.9	13,328	13,721	14,174	58
Dade	91	92	94	2.7	12,303	12,298	12,606	88
Dallas	141	149	160	7.1	11,215	11,763	12,264	96
Daviess	92	95	98	3.0	11,632	12,073	12,279	95
De Kalb	99	102	107	4.2	10,085	10,224	10,689	110
Dent	176	186	196	5.6	12,853	13,582	14,298	52
Douglas	112	114	119	4.8	9,432	9,567	10,060	114
Dunklin	360	379	424	11.7	10,823	11,470	12,931	83
Franklin	1,267	1,330	1,393	4.7	15,830	16,452	16,956	11
Gasconade	207	220	227	3.2	14,906	15,581	16,127	21
Gentry	87	90	98	8.4	12,574	13,221	14,346	51
Greene	3,242	3,485	3,685	5.7	15,742	16,698	17,449	8
Grundy	137	139	146	5.3	12,867	13,192	13,796	67
Harrison	110	113	120	6.4	12,856	13,379	14,196	57
Henry	262	271	281	3.6	13,083	13,522	13,856	65
Hickory	73	78	84	7.4	10,025	10,554	10,931	109
Holt	76	80	86	7.8	12,430	13,260	14,437	48
Howard	121	126	136	7.9	12,499	13,077	14,084	62
Howell	363	386	416	7.8	11,641	12,220	12,958	82
Iron	114	122	130	6.9	10,690	11,349	12,117	98
Jackson	11,262	11,620	12,067	3.8	17,824	18,329	19,019	5
Jasper	1,271	1,344	1,419	5.6	14,126	14,825	15,588	26
Jefferson	2,584	2,715	2,829	4.2	15,280	15,764	16,194	20
Johnson	491	511	535	4.7	11,692	11,968	12,384	94
Knox	57	55	56	.7	12,667	12,401	12,509	90
Laclede	348	364	378	3.9	12,874	13,370	13,817	66
Lafayette	485	498	522	5.0	15,681	15,964	16,746	12
Lawrence	388	405	431	6.3	12,865	13,388	14,123	60
Lewis	120	128	135	5.6	11,656	12,497	13,119	80
Lincoln	408	433	456	5.3	14,440	14,886	15,264	35
Linn	181	187	200	6.5	12,899	13,518	14,353	50
Livingston	210	214	222	3.5	14,346	14,696	15,357	33
McDonald	190	198	214	7.9	11,349	11,648	12,498	92
Macon	216	223	237	6.2	13,984	14,567	15,587	27
Madison	134	143	152	5.8	12,089	12,864	13,504	75
Maries	93	101	106	5.2	11,625	12,605	12,918	84
Marion	377	398	428	7.4	13,588	14,396	15,487	29
Mercer	41	40	43	6.9	10,891	10,765	11,430	105
Miller	261	285	300	5.4	12,560	13,763	14,393	49
Mississippi	167	171	179	4.6	11,493	11,868	12,501	91
Moniteau	176	188	197	5.0	14,224	15,308	15,967	23
Monroe	134	135	138	1.9	14,614	14,844	15,379	32
Montgomery	160	166	174	4.4	14,102	14,647	15,387	30
Morgan	188	198	208	5.5	12,115	12,672	13,373	77
New Madrid	233	253	263	3.8	11,073	12,124	12,684	86
Newton	561	595	635	6.7	12,702	13,349	14,092	61
Nodaway	268	284	298	5.2	12,334	13,057	13,968	63
Oregon	90	97	105	7.3	9,430	10,307	11,004	108
Osage	174	190	198	3.9	14,447	15,824	16,410	16
Ozark	96	103	109	6.2	11,248	11,925	12,562	89
Pemiscot	236	260	276	6.4	10,683	11,875	12,710	85
Perry	236	249	263	5.6	14,164	14,944	15,630	24
Pettis	530	554	577	4.2	14,964	15,623	16,240	19
Phelps	465	489	516	5.6	13,257	13,836	14,499	47
Pike	210	219	228	3.8	13,085	13,747	14,287	53
Platte	1,068	1,111	1,163	4.7	18,886	19,043	19,512	2
Polk	273	281	299	6.7	12,684	12,796	13,361	78
Pulaski	461	491	516	5.0	11,044	11,921	12,393	93
Putnam	62	63	66	5.6	11,976	12,348	13,125	79
Ralls	121	126	130	3.2	14,256	14,894	15,333	34
Randolph	316	316	326	3.2	12,909	12,989	13,654	70
Ray	324	325	334	2.6	14,802	14,777	15,254	36
Reynolds	67	73	79	8.8	10,057	10,956	11,816	100
Ripley	110	117	127	9.3	8,985	9,469	10,236	112
St. Charles	3,755	4,031	4,194	4.0	18,179	18,727	19,151	4
St. Clair	92	95	100	5.5	10,915	11,187	11,895	99
Ste. Genevieve	226	236	240	1.6	14,145	14,673	14,932	41
St. Francois	604	639	681	6.7	12,519	12,996	13,728	68
St. Louis	22,494	23,865	24,442	2.4	22,712	23,985	24,521	1
Saline	340	353	378	7.1	14,397	15,038	16,359	17
Schuyler	52	54	57	5.7	12,077	12,811	13,630	72
Scotland	59	61	65	6.1	12,057	12,650	13,517	74
Scott	518	539	560	3.7	13,183	13,688	14,270	54
Shannon	63	65	71	8.4	8,219	8,558	9,249	115
Shelby	100	103	107	3.5	14,280	14,924	15,569	28
Stoddard	368	380	395	3.9	12,761	13,158	13,706	69
Stone	246	270	288	6.7	13,081	14,066	14,537	45
Sullivan	77	77	85	9.7	11,957	12,284	13,460	76
Taney	357	396	424	7.2	14,158	15,410	16,013	22
Texas	233	244	256	4.9	10,858	11,360	11,766	103
Vernon	263	270	289	7.0	13,781	14,185	15,048	38
Warren	301	313	329	5.4	15,732	15,884	16,308	18
Washington	203	220	236	7.4	10,094	10,734	11,558	104
Wayne	107	115	127	9.8	9,376	9,961	10,606	111
Webster	267	281	293	4.2	11,385	11,793	12,228	97
Worth	29	31	32	5.0	11,685	12,600	13,037	81
Wright	177	184	190	3.2	10,628	10,961	11,232	107
St. Louis City	6,896	7,210	7,567	5.0	17,143	18,250	19,295	3
Montana	**11,318**	**11,720**	**12,686**	**8.2**	**14,154**	**14,663**	**15,680**	.....
Metropolitan portion	**3,005**	**3,135**	**3,386**	**8.0**	**15,686**	**16,410**	**17,404**	.....
Nonmetropolitan portion	**8,313**	**8,585**	**9,300**	**8.3**	**13,672**	**14,115**	**15,134**	.....
Beaverhead	108	114	123	8.6	12,882	13,481	14,561	38
Big Horn	135	143	144	.4	11,842	12,657	12,522	52
Blaine	87	82	72	-12.6	12,894	12,231	10,534	56
Broadwater	38	40	43	6.7	11,579	12,155	12,789	48
Carbon	113	115	124	8.0	14,003	14,216	15,519	29
Carter	24	21	23	11.3	15,749	14,118	16,431	17
Cascade	1,212	1,256	1,343	7.0	15,567	16,170	17,104	9
Chouteau	98	95	109	14.9	17,868	17,390	20,035	4
Custer	168	174	186	7.3	14,233	14,888	15,987	23
Daniels	33	34	44	27.8	14,504	15,107	20,440	3
Dawson	129	127	141	10.6	13,109	13,522	15,069	33
Deer Lodge	117	123	129	5.2	11,184	11,990	12,703	49
Fallon	48	46	51	10.9	15,145	15,053	16,490	16
Fergus	167	169	171	.8	13,726	14,047	13,762	42
Flathead	850	901	968	7.4	14,483	15,169	15,910	24
Gallatin	678	722	792	9.7	13,598	14,246	15,256	32
Garfield	26	26	23	-11.1	16,422	16,579	15,744	26
Glacier	146	134	158	17.7	12,114	11,029	13,137	46
Golden Valley	14	13	15	12.3	14,696	14,463	16,427	18
Granite	35	36	39	9.5	13,722	14,124	15,505	30
Hill	233	243	273	12.5	13,147	13,748	15,477	31
Jefferson	120	122	131	7.4	15,173	15,356	16,223	19
Judith Basin	34	32	33	3.8	14,657	14,127	14,612	37
Lake	246	260	279	7.6	11,780	12,298	12,875	47
Lewis and Clark	724	752	809	7.5	15,359	15,788	16,761	13
Liberty	43	45	52	15.1	18,485	19,539	22,753	1
Lincoln	206	214	222	3.4	11,781	12,261	12,675	50
McCone	34	29	29	.1	14,886	12,746	13,327	44
Madison	70	71	77	8.7	11,838	11,840	12,636	51
Meagher	22	24	27	13.8	11,896	13,013	14,635	36
Mineral	38	39	41	5.1	11,159	11,834	12,367	53
Missoula	1,116	1,181	1,272	7.6	14,246	14,983	15,793	25
Musselshell	54	55	61	11.1	12,868	13,493	14,778	35
Petroleum	7	7	9	27.4	12,388	13,376	17,043	10
Phillips	73	71	71	-1.0	14,162	13,843	13,680	43
Pondera	93	93	106	14.0	14,479	14,467	16,923	11
Powder River	30	29	32	8.2	14,032	14,180	15,553	28
Powell	82	84	93	11.3	12,375	12,694	14,116	40
Prairie	21	20	24	17.2	15,001	14,786	17,592	8
Ravalli	294	317	345	8.8	11,839	12,645	13,161	45
Richland	153	152	166	9.2	13,918	14,334	15,674	27
Roosevelt	120	118	133	13.1	10,867	10,727	12,332	54
Rosebud	135	136	155	14.7	12,819	12,912	14,940	34
Sanders	90	93	98	5.5	10,386	10,698	11,374	55
Sheridan	71	69	82	19.6	14,730	14,601	17,963	6
Silver Bow	497	515	550	6.9	14,558	15,198	16,143	20
Stillwater	98	103	108	4.9	15,213	15,687	16,111	21
Sweet Grass	48	48	52	9.0	15,140	15,168	16,504	15
Teton	93	94	104	10.8	14,700	15,050	16,912	12
Toole	89	92	104	13.1	17,314	18,267	20,879	2
Treasure	14	15	17	10.3	15,912	17,665	18,989	5
Valley	122	113	136	19.8	14,450	13,850	16,507	14
Wheatland	33	33	37	11.7	14,659	14,668	16,097	22

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Wibaux	19	17	17	-.1	15,248	14,089	14,360	39
Yellowstone	1,793	1,879	2,043	8.7	15,768	16,574	17,608	7
Park (incl. Ylwstn. Natl. Park)	175	183	199	9.2	11,997	12,482	13,884	41
Nebraska	**25,262**	**27,302**	**28,329**	**3.8**	**16,041**	**17,276**	**17,780**	.....
Metropolitan portion	**13,447**	**14,587**	**15,270**	**4.7**	**17,210**	**18,470**	**19,071**	.....
Nonmetropolitan portion	**11,815**	**12,716**	**13,058**	**2.7**	**14,889**	**16,083**	**16,477**	.....
Adams	471	502	518	3.1	15,844	16,961	17,379	30
Antelope	105	116	117	.8	13,101	14,533	14,758	80
Arthur	8	8	8	-2.6	18,024	18,237	18,689	18
Banner	15	15	13	-15.2	16,737	17,626	15,717	66
Blaine	11	12	12	-2.6	16,026	18,532	17,478	29
Boone	101	111	111	.4	15,016	16,636	16,725	38
Box Butte	229	237	238	.2	17,310	18,115	18,187	21
Boyd	40	45	44	-2.3	13,916	15,870	15,931	60
Brown	58	63	64	2.6	15,680	17,254	17,540	28
Buffalo	509	542	566	4.4	13,666	14,450	14,891	76
Burt	116	119	124	4.1	14,653	15,207	15,908	62
Butler	131	145	146	.8	15,199	16,828	16,901	36
Cass	312	342	358	4.6	14,700	16,012	16,515	44
Cedar	123	137	138	1.0	12,005	13,510	13,683	88
Chase	70	77	76	-1.2	15,938	17,550	17,374	31
Cherry	91	102	96	-6.4	14,349	16,283	15,211	72
Cheyenne	156	170	179	5.2	16,401	17,949	19,045	14
Clay	121	132	134	1.1	16,927	18,606	18,878	15
Colfax	130	141	150	6.4	14,122	15,498	16,248	51
Cuming	172	186	199	6.9	16,838	18,466	19,831	9
Custer	185	206	204	-1.0	14,936	16,843	16,598	41
Dakota	240	255	267	4.7	14,327	15,237	15,769	64
Dawes	121	127	129	2.1	13,355	14,050	14,646	84
Dawson	310	334	370	10.7	15,473	16,790	17,834	25
Deuel	38	42	43	.7	16,941	18,911	19,130	13
Dixon	85	93	97	4.7	13,651	15,118	15,575	68
Dodge	507	531	555	4.4	14,690	15,391	16,065	57
Douglas	7,598	8,270	8,622	4.2	18,340	19,816	20,388	8
Dundy	53	57	56	-1.6	20,313	21,984	22,023	3
Fillmore	139	144	146	1.3	19,436	20,329	20,598	7
Franklin	57	61	60	-1.2	14,497	15,502	15,256	71
Frontier	42	46	42	-8.3	13,517	14,912	13,575	90
Furnas	88	96	97	.5	15,626	17,358	17,016	35
Gage	348	381	389	2.0	15,238	16,730	17,121	34
Garden	48	50	49	-1.1	19,288	20,210	20,730	6
Garfield	27	30	30	.2	12,742	13,865	13,581	89
Gosper	33	37	36	-1.6	17,137	19,262	18,156	22
Grant	12	12	11	-8.1	15,614	16,266	14,875	77
Greeley	44	46	46	-1.7	14,562	15,489	15,130	73
Hall	722	771	818	6.1	14,789	15,741	16,583	42
Hamilton	137	141	141	-.1	15,474	15,883	15,719	65
Harlan	52	62	61	-1.5	13,655	16,249	16,201	53
Hayes	25	27	26	-4.7	20,368	22,188	21,654	4
Hitchcock	51	57	53	-7.3	13,470	15,285	14,346	86
Holt	177	187	184	-1.3	13,942	14,863	14,663	82
Hooker	14	15	14	-1.3	17,625	18,351	18,718	17
Howard	77	80	83	3.1	12,623	13,256	13,380	91
Jefferson	135	146	147	.6	15,294	16,706	16,885	37
Johnson	62	70	69	-.9	13,119	14,935	14,662	83
Kearney	108	117	123	5.3	16,363	17,656	18,844	16
Keith	126	132	135	1.9	14,635	15,437	16,039	58
Keya Paha	16	20	19	-7.4	15,113	19,751	18,484	19
Kimball	73	76	79	4.4	17,419	18,532	19,207	11
Knox	122	136	134	-1.7	12,642	14,340	14,278	87
Lancaster	3,503	3,794	3,992	5.2	16,567	17,692	18,429	20
Lincoln	496	520	540	3.7	15,185	16,016	16,420	46
Logan	16	17	17	-2.7	18,180	19,614	19,204	12
Loup	10	11	10	-6.5	14,559	15,984	14,745	81
McPherson	9	10	10	-6.7	16,612	18,943	17,670	27
Madison	465	501	525	4.8	14,290	15,312	16,015	59
Merrick	111	116	120	2.8	13,682	14,497	14,875	78
Morrill	92	99	104	5.1	16,816	18,234	19,519	10
Nance	61	69	70	1.5	14,265	16,089	16,302	50
Nemaha	119	133	142	6.2	14,853	16,709	17,762	26
Nuckolls	77	87	86	-1.2	13,141	15,027	14,866	79
Otoe	209	224	228	1.8	14,594	15,734	15,930	61
Pawnee	45	52	50	-3.5	13,282	15,689	14,908	75
Perkins	74	77	75	-1.8	21,777	22,769	23,238	2
Phelps	173	194	207	7.0	17,790	19,925	21,054	5
Pierce	115	120	122	2.0	14,683	15,307	15,509	70
Platte	456	486	498	2.6	15,385	16,242	16,662	40
Polk	86	99	99	.4	15,125	17,462	17,972	24
Red Willow	168	186	187	.6	14,230	15,901	16,227	52
Richardson	135	151	154	2.1	13,523	15,209	15,572	69
Rock	31	33	31	-4.5	15,010	16,410	15,626	67
Saline	189	200	204	1.9	14,823	15,756	16,171	55
Sarpy	1,530	1,645	1,741	5.8	15,132	15,952	16,439	45
Saunders	262	268	276	2.9	14,318	14,638	15,090	74
Scotts Bluff	533	571	608	6.5	14,725	15,867	16,712	39
Seward	225	244	250	2.5	14,583	15,779	16,095	56
Sheridan	102	109	108	-.8	14,959	16,107	16,192	54
Sherman	49	51	49	-3.2	12,995	13,685	13,302	92
Sioux	26	27	25	-6.3	16,277	17,553	16,550	43
Stanton	88	100	102	1.8	14,160	16,068	16,336	49
Thayer	106	114	115	1.0	15,892	17,172	17,282	33
Thomas	13	14	14	-.2	15,186	15,924	16,357	48
Thurston	73	78	81	3.7	10,501	11,200	11,509	93
Valley	77	83	80	-3.5	14,689	16,042	15,816	63
Washington	263	279	290	3.8	15,989	16,776	17,373	32
Wayne	117	132	139	4.9	12,479	14,114	14,619	85
Webster	64	70	69	-1.0	14,725	16,393	16,386	47
Wheeler	23	26	26	-.9	24,078	27,611	27,915	1
York	231	254	261	2.8	16,045	17,571	18,065	23
Nevada	**21,394**	**24,087**	**25,418**	**5.5**	**18,810**	**19,680**	**19,812**	.....
Metropolitan portion	**18,176**	**20,567**	**21,708**	**5.5**	**18,957**	**19,914**	**19,978**	.....
Nonmetropolitan portion	**3,219**	**3,520**	**3,710**	**5.4**	**18,024**	**18,417**	**18,890**	.....
Churchill	266	278	296	6.5	15,554	15,287	15,882	16
Clark	12,692	14,562	15,479	6.3	18,173	19,252	19,220	6
Douglas	611	710	750	5.5	23,232	25,288	25,133	3
Elko	455	491	529	7.7	14,657	14,267	14,887	17
Esmeralda	27	31	36	18.4	21,059	22,502	28,864	2
Eureka	37	48	52	7.8	25,122	30,401	31,187	1
Humboldt	216	226	244	7.8	17,684	17,329	17,815	7
Lander	102	104	107	3.0	17,389	16,167	16,680	12
Lincoln	57	61	64	4.4	15,582	16,141	16,874	10
Lyon	322	347	371	6.8	16,898	17,095	17,288	8
Mineral	97	100	103	2.3	15,358	15,375	16,737	11
Nye	259	289	303	4.6	15,294	16,022	16,309	14
Pershing	68	72	71	-1.6	16,628	16,292	16,125	15
Storey	40	43	45	2.9	16,531	16,860	17,150	9
Washoe	5,225	5,716	5,927	3.7	21,461	22,122	22,561	4
White Pine	138	149	148	-.1	15,502	15,842	16,378	13
Carson City	784	858	894	4.2	20,137	20,959	21,350	5
New Hampshire	**22,557**	**23,396**	**24,091**	**3.0**	**20,422**	**21,051**	**21,812**	.....
Metropolitan portion	**14,452**	**14,960**	**15,313**	**2.4**	**21,182**	**21,751**	**22,485**	.....
Nonmetropolitan portion	**8,105**	**8,435**	**8,779**	**4.1**	**19,195**	**19,914**	**20,730**	.....
Belknap	1,013	1,023	1,042	1.8	20,611	20,763	21,322	5
Carroll	763	798	825	3.4	21,790	22,426	23,084	3
Cheshire	1,278	1,331	1,387	4.2	18,232	18,971	19,725	7
Coos	570	588	627	6.7	16,245	16,922	18,080	9
Grafton	1,413	1,483	1,558	5.1	18,875	19,778	20,677	6
Hillsborough	7,411	7,607	7,843	3.1	22,143	22,593	23,374	1
Merrimack	2,384	2,506	2,606	4.0	19,983	20,831	21,698	4
Rockingham	5,292	5,552	5,605	1.0	21,702	22,508	23,156	2
Strafford	1,749	1,802	1,864	3.5	16,859	17,249	18,031	10
Sullivan	683	707	734	3.8	17,657	18,331	19,096	8
New Jersey	**183,950**	**193,206**	**196,692**	**1.8**	**23,809**	**24,977**	**25,369**	.....
Metropolitan portion	**183,950**	**193,206**	**196,692**	**1.8**	**23,809**	**24,977**	**25,369**	.....
Atlantic	5,397	5,712	5,817	1.8	24,277	25,374	25,630	8
Bergen	25,590	26,706	26,924	.8	30,826	32,403	32,557	2
Burlington	8,633	9,089	9,341	2.8	21,938	22,965	23,419	12
Camden	9,588	10,020	10,374	3.5	19,102	19,905	20,547	17
Cape May	2,048	2,164	2,204	1.9	21,695	22,688	23,022	13
Cumberland	2,211	2,340	2,447	4.5	16,031	16,937	17,654	21
Essex	18,209	18,957	19,425	2.5	23,165	24,430	25,355	9
Gloucester	4,057	4,349	4,504	3.6	17,786	18,837	19,299	18
Hudson	9,808	10,318	10,616	2.9	17,629	18,683	19,184	19
Hunterdon	3,033	3,232	3,243	.3	28,497	29,848	29,892	4
Mercer	8,079	8,699	8,902	2.3	24,862	26,661	27,263	6
Middlesex	15,815	16,842	17,030	1.1	23,662	25,016	25,254	10
Monmouth	14,394	15,058	15,247	1.3	26,128	27,174	27,326	5
Morris	12,709	13,451	13,540	.7	30,122	31,923	32,043	3
Ocean	8,642	9,005	9,164	1.8	20,213	20,685	20,905	16
Passaic	9,523	9,829	10,079	2.5	20,953	21,706	22,238	14
Salem	1,124	1,185	1,224	3.2	17,192	18,153	18,825	20
Somerset	7,545	8,175	8,286	1.4	31,785	33,865	33,927	1
Sussex	3,059	3,197	3,245	1.5	23,503	24,357	24,496	11
Union	12,564	12,889	13,040	1.2	25,297	26,139	26,475	7
Warren	1,923	1,987	2,041	2.7	21,086	21,651	22,046	15
New Mexico	**20,060**	**21,462**	**22,782**	**6.1**	**13,339**	**14,124**	**14,709**	.....
Metropolitan portion	**12,593**	**13,542**	**14,357**	**6.0**	**15,139**	**15,972**	**16,623**	.....
Nonmetropolitan portion	**7,467**	**7,920**	**8,424**	**6.4**	**11,110**	**11,791**	**12,296**	.....
Bernalillo	7,894	8,328	8,806	5.7	16,593	17,263	17,934	3
Catron	31	31	32	1.8	12,255	12,282	12,767	17
Chaves	755	806	824	2.3	13,098	13,904	14,046	8
Cibola	205	199	211	6.3	9,178	9,062	9,014	32
Colfax	168	177	183	3.2	12,839	13,749	14,348	6
Curry	525	548	605	10.5	12,422	12,980	13,573	10
De Baca	26	29	30	4.4	11,529	12,769	12,978	14
Dona Ana	1,452	1,574	1,664	5.7	10,792	11,587	11,831	22
Eddy	623	664	717	7.9	12,691	13,706	14,338	7
Grant	325	341	361	6.0	11,809	12,287	12,912	16
Guadalupe	37	38	40	5.0	8,721	9,162	9,729	30
Harding	11	11	11	3.7	10,567	11,241	11,619	23
Hidalgo	73	74	80	7.1	12,154	12,508	13,430	12

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Lea	701	727	772	6.1	12,342	13,120	13,896	9
Lincoln	169	183	193	5.5	13,823	14,997	15,074	5
Los Alamos	468	500	525	4.9	26,020	27,539	29,315	1
Luna	181	189	209	10.3	10,082	10,406	10,985	26
McKinley	538	567	608	7.3	8,872	9,337	9,700	31
Mora	32	34	36	8.2	7,419	7,875	8,631	33
Otero	583	624	658	5.3	11,324	11,984	12,594	18
Quay	140	132	137	4.4	12,888	12,161	13,023	13
Rio Arriba	294	318	337	6.1	8,606	9,222	9,823	29
Roosevelt	194	204	210	2.9	11,640	12,173	12,143	21
Sandoval	748	832	893	7.4	12,299	12,941	13,545	11
San Juan	980	1,092	1,173	7.4	10,678	11,925	12,479	20
San Miguel	229	246	265	7.3	8,951	9,555	10,152	28
Santa Fe	1,534	1,763	1,884	6.9	15,838	17,682	18,540	2
Sierra	116	121	130	7.5	11,823	12,181	12,920	15
Socorro	148	153	163	6.5	10,072	10,361	11,121	24
Taos	224	245	262	6.8	9,746	10,574	11,063	25
Torrance	98	104	111	7.1	9,784	10,020	10,462	27
Union	62	63	66	4.5	14,665	15,383	15,925	4
Valencia	497	544	586	7.7	10,835	11,484	12,569	19
New York	**375,489**	**397,261**	**407,521**	**2.6**	**20,880**	**22,068**	**22,572**	.....
Metropolitan portion	**354,150**	**374,758**	**384,143**	**2.5**	**21,448**	**22,679**	**23,189**	.....
Nonmetropolitan portion	**21,339**	**22,503**	**23,378**	**3.9**	**14,505**	**15,232**	**15,702**	.....
Albany	5,804	6,125	6,317	3.1	19,828	20,926	21,528	10
Allegany	595	633	657	3.8	11,767	12,536	12,816	62
Bronx	17,653	18,496	19,154	3.6	14,700	15,345	15,995	38
Broome	3,655	3,807	3,939	3.5	17,171	17,952	18,568	21
Cattaraugus	1,085	1,164	1,208	3.8	12,817	13,837	14,200	54
Cayuga	1,147	1,226	1,254	2.3	13,939	14,889	15,158	47
Chautauqua	2,044	2,145	2,222	3.6	14,336	15,133	15,628	43
Chemung	1,442	1,511	1,569	3.8	15,151	15,868	16,486	33
Chenango	729	749	774	3.3	14,131	14,448	14,853	48
Clinton	1,102	1,190	1,229	3.3	12,864	13,824	14,109	56
Columbia	1,170	1,228	1,258	2.4	18,621	19,468	20,004	13
Cortland	658	679	704	3.7	13,453	13,847	14,309	51
Delaware	631	656	678	3.3	13,352	13,884	14,261	53
Dutchess	5,412	5,676	5,768	1.6	20,913	21,848	22,093	9
Erie	16,672	17,608	18,233	3.5	17,138	18,197	18,754	19
Essex	540	566	585	3.3	14,535	15,231	15,585	44
Franklin	609	647	673	4.1	13,096	13,881	14,341	50
Fulton	807	843	871	3.3	14,836	15,564	16,062	37
Genesee	994	1,032	1,079	4.5	16,536	17,188	17,813	24
Greene	696	737	764	3.6	15,635	16,430	16,844	29
Hamilton	84	87	90	4.0	15,892	16,449	16,882	28
Herkimer	895	951	981	3.1	13,558	14,464	14,790	49
Jefferson	1,567	1,630	1,708	4.8	14,454	14,572	15,264	46
Kings	36,533	38,699	39,870	3.0	15,887	16,809	17,415	26
Lewis	314	333	350	5.2	11,788	12,390	12,898	61
Livingston	955	1,012	1,051	3.9	15,395	16,183	16,715	31
Madison	1,044	1,126	1,155	2.6	15,142	16,272	16,412	34
Monroe	14,789	15,430	16,027	3.9	20,696	21,607	22,264	8
Montgomery	792	827	853	3.1	15,179	15,923	16,369	35
Nassau	38,570	40,359	40,840	1.2	29,834	31,379	31,596	3
New York	53,425	58,947	60,506	2.6	36,000	39,576	40,497	1
Niagara	3,488	3,665	3,805	3.8	15,768	16,606	17,203	27
Oneida	3,893	4,099	4,217	2.9	15,465	16,355	16,743	30
Onondaga	8,551	9,021	9,231	2.3	18,208	19,236	19,532	15
Ontario	1,655	1,774	1,849	4.2	17,433	18,638	19,146	18
Orange	5,771	6,023	6,175	2.5	18,982	19,489	19,802	14
Orleans	621	643	668	3.9	14,934	15,316	15,763	41
Oswego	1,709	1,832	1,892	3.3	14,074	15,024	15,328	45
Otsego	891	941	984	4.6	14,741	15,531	16,101	36
Putnam	2,130	2,230	2,274	2.0	25,503	26,507	26,581	5
Queens	38,325	40,037	41,084	2.6	19,639	20,505	21,048	12
Rensselaer	2,583	2,733	2,832	3.6	16,713	17,692	18,165	22
Richmond	8,334	8,786	9,032	2.8	22,061	23,147	23,486	7
Rockland	6,679	7,050	7,191	2.0	25,138	26,550	26,840	4
St. Lawrence	1,337	1,420	1,487	4.7	11,888	12,692	13,131	60
Saratoga	3,222	3,431	3,543	3.3	18,011	18,832	19,198	17
Schenectady	2,902	3,087	3,185	3.2	19,392	20,685	21,145	11
Schoharie	424	448	466	4.0	13,377	14,023	14,290	52
Schuyler	231	243	257	5.7	12,373	13,027	13,615	58
Seneca	516	542	562	3.7	15,333	16,085	16,586	32
Steuben	1,413	1,506	1,572	4.4	14,263	15,185	15,753	42
Suffolk	30,231	31,592	32,073	1.5	22,880	23,884	24,189	6
Sullivan	1,202	1,278	1,308	2.3	17,436	18,411	18,652	20
Tioga	779	810	844	4.2	14,930	15,450	15,962	39
Tompkins	1,361	1,447	1,505	4.0	14,527	15,348	15,776	40
Ulster	2,974	3,107	3,252	4.7	18,021	18,778	19,482	16
Warren	984	1,029	1,063	3.3	16,728	17,332	17,738	25
Washington	781	820	850	3.6	13,242	13,791	14,134	55
Wayne	1,464	1,542	1,619	5.0	16,457	17,288	17,921	23
Westchester	27,796	29,129	29,433	1.0	31,748	33,287	33,511	2
Wyoming	542	569	580	1.9	12,792	13,370	13,537	59
Yates	288	307	322	4.8	12,677	13,448	13,964	57

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
North Carolina	**101,944**	**108,999**	**113,483**	**4.1**	**15,527**	**16,383**	**16,848**	.....
Metropolitan portion	**71,402**	**76,450**	**79,388**	**3.8**	**16,713**	**17,596**	**18,022**	.....
Nonmetropolitan portion	**30,542**	**32,549**	**34,095**	**4.8**	**13,318**	**14,101**	**14,628**	.....
Alamance	1,802	1,882	1,947	3.5	16,808	17,327	17,710	14
Alexander	390	409	418	2.2	14,272	14,812	14,973	42
Alleghany	116	127	132	4.2	12,159	13,217	13,637	70
Anson	297	314	325	3.6	12,583	13,397	13,836	63
Ashe	261	271	284	4.9	11,736	12,180	12,651	89
Avery	172	184	193	5.0	11,626	12,359	12,851	83
Beaufort	560	597	625	4.8	13,210	14,117	14,622	52
Bertie	231	253	265	4.6	11,280	12,442	12,973	80
Bladen	336	348	370	6.5	11,669	12,143	12,819	85
Brunswick	611	671	720	7.3	12,242	13,060	13,720	67
Buncombe	2,777	3,037	3,187	4.9	15,993	17,327	17,907	11
Burke	1,083	1,145	1,175	2.6	14,352	15,093	15,370	34
Cabarrus	1,548	1,659	1,714	3.3	15,846	16,689	16,892	20
Caldwell	1,011	1,058	1,089	2.9	14,357	14,934	15,278	37
Camden	82	86	90	4.3	14,006	14,531	14,957	43
Carteret	700	742	780	5.1	13,458	14,067	14,580	54
Caswell	226	243	251	3.3	10,874	11,743	12,082	94
Catawba	1,945	2,074	2,123	2.3	16,572	17,459	17,677	16
Chatham	644	678	700	3.2	16,828	17,410	17,694	15
Cherokee	228	243	250	2.9	11,386	12,031	12,364	91
Chowan	168	187	201	7.6	12,487	13,801	14,773	48
Clay	81	87	90	3.2	11,288	12,134	12,360	92
Cleveland	1,281	1,311	1,353	3.2	15,145	15,461	15,776	29
Columbus	581	618	663	7.4	11,684	12,457	13,291	77
Craven	1,137	1,194	1,248	4.5	14,021	14,597	15,125	39
Cumberland	3,412	3,559	3,755	5.5	12,497	12,933	13,582	71
Currituck	182	196	209	6.9	13,423	14,181	14,658	51
Dare	330	343	353	3.0	15,035	14,861	15,328	35
Davidson	1,822	1,928	1,982	2.8	14,568	15,145	15,432	33
Davie	485	510	522	2.3	17,371	18,309	18,501	9
Duplin	451	498	532	6.9	11,257	12,448	13,290	78
Durham	3,309	3,569	3,785	6.0	18,441	19,534	20,383	6
Edgecombe	704	738	781	5.8	12,474	13,034	13,870	62
Forsyth	5,369	5,584	5,695	2.0	20,341	20,941	21,213	3
Franklin	436	473	504	6.6	12,130	12,927	13,561	72
Gaston	2,682	2,860	2,929	2.4	15,417	16,291	16,528	24
Gates	120	132	139	5.5	12,951	14,156	14,905	46
Graham	64	69	73	5.4	8,919	9,629	9,919	100
Granville	490	525	541	3.1	12,919	13,624	13,994	59
Greene	195	212	234	10.6	12,609	13,788	14,952	44
Guilford	6,777	7,195	7,407	3.0	19,687	20,637	20,954	4
Halifax	647	706	754	6.9	11,692	12,690	13,527	73
Harnett	760	831	875	5.4	11,333	12,198	12,755	87
Haywood	636	663	698	5.2	13,541	14,128	14,674	50
Henderson	1,158	1,225	1,275	4.0	16,896	17,616	18,005	10
Hertford	257	275	290	5.5	11,345	12,217	12,772	86
Hoke	228	243	261	7.5	10,058	10,608	11,281	97
Hyde	72	72	82	14.2	13,231	13,358	15,300	36
Iredell	1,498	1,613	1,670	3.5	16,286	17,294	17,513	18
Jackson	323	346	363	5.1	12,067	12,852	13,327	76
Johnston	1,135	1,226	1,319	7.6	14,114	15,021	15,795	28
Jones	115	119	125	5.8	12,200	12,589	13,415	75
Lee	644	704	742	5.4	15,672	16,965	17,618	17
Lenoir	823	884	937	6.0	14,343	15,443	16,257	25
Lincoln	720	758	778	2.6	14,546	14,974	15,167	38
McDowell	439	472	499	5.7	12,326	13,218	13,828	64
Macon	308	330	347	4.9	13,227	14,015	14,494	56
Madison	191	208	219	4.9	11,261	12,287	12,726	88
Martin	339	358	380	6.2	13,463	14,276	15,019	41
Mecklenburg	10,034	10,956	11,273	2.9	20,001	21,272	21,453	2
Mitchell	169	176	187	6.1	11,761	12,204	12,907	81
Montgomery	290	306	318	4.0	12,411	13,089	13,775	65
Moore	1,062	1,138	1,164	2.3	18,253	19,181	19,275	8
Nash	1,200	1,292	1,354	4.8	15,807	16,784	17,255	19
New Hanover	1,943	2,137	2,223	4.0	16,327	17,690	17,840	12
Northampton	253	280	302	7.8	12,087	13,471	14,506	55
Onslow	1,536	1,490	1,518	1.9	10,431	9,879	10,537	99
Orange	1,721	1,904	1,992	4.6	18,645	20,162	20,746	5
Pamlico	142	151	158	4.5	12,553	13,244	13,705	68
Pasquotank	393	424	442	4.1	12,681	13,501	13,877	61
Pender	357	389	417	7.1	12,646	13,379	13,879	60
Perquimans	117	125	135	8.1	11,266	11,965	12,886	82
Person	399	420	442	5.3	13,263	13,898	14,368	57
Pitt	1,587	1,753	1,852	5.6	14,927	16,154	16,729	21
Polk	270	283	289	2.0	18,918	19,564	19,802	7
Randolph	1,499	1,565	1,610	2.9	14,258	14,614	14,797	47
Richmond	536	569	555	-2.4	12,012	12,783	12,376	90
Robeson	1,067	1,146	1,242	8.4	10,179	10,878	11,686	96
Rockingham	1,255	1,307	1,355	3.7	14,627	15,167	15,621	31
Rowan	1,655	1,752	1,798	2.6	15,093	15,788	16,004	26
Rutherford	773	813	848	4.3	13,639	14,260	14,742	49
Sampson	649	738	791	7.1	13,699	15,608	16,620	23
Scotland	427	450	478	6.1	12,726	13,311	14,006	58
Stanly	729	762	785	3.0	14,161	14,680	14,920	45

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Stokes	498	535	551	3.0	13,510	14,331	14,618	53
Surry	910	949	982	3.4	14,778	15,368	15,711	30
Swain	109	114	122	7.1	9,661	10,072	10,613	98
Transylvania	372	395	412	4.2	14,599	15,465	15,999	27
Tyrrell	41	47	51	7.5	10,645	12,248	13,425	74
Union	1,404	1,498	1,539	2.8	16,915	17,694	17,740	13
Vance	488	519	538	3.7	12,592	13,313	13,705	69
Wake	8,146	8,959	9,501	6.0	19,713	20,977	21,565	1
Warren	184	194	207	6.8	10,709	11,198	11,917	95
Washington	165	174	185	6.8	11,749	12,403	13,115	79
Watauga	421	470	480	2.1	11,503	12,670	12,830	84
Wayne	1,312	1,393	1,459	4.8	12,624	13,270	13,756	66
Wilkes	846	877	897	2.3	14,267	14,744	15,051	40
Wilson	970	1,052	1,111	5.6	14,756	15,890	16,709	22
Yadkin	444	471	481	2.2	14,652	15,395	15,499	32
Yancey	185	187	193	2.8	12,005	12,146	12,287	93
North Dakota	**8,876**	**9,650**	**9,934**	**2.9**	**13,732**	**15,158**	**15,646**	.....
Metropolitan portion	**3,740**	**4,027**	**4,234**	**5.1**	**14,512**	**15,648**	**16,300**	.....
Nonmetropolitan portion	**5,136**	**5,622**	**5,700**	**1.4**	**13,215**	**14,826**	**15,193**	.....
Adams	43	47	47	.2	13,186	14,908	15,206	29
Barnes	164	187	180	-3.8	12,898	14,984	14,461	39
Benson	75	93	88	-5.1	10,167	12,997	12,684	48
Billings	20	20	22	6.7	17,431	18,546	19,099	1
Bottineau	117	132	120	-9.2	14,291	16,545	15,329	27
Bowman	58	57	61	7.3	15,628	15,938	17,515	6
Burke	40	51	46	-9.8	12,972	17,206	16,402	16
Burleigh	942	1,025	1,079	5.3	15,619	17,051	17,623	4
Cass	1,569	1,709	1,792	4.8	15,301	16,592	17,144	8
Cavalier	89	99	99	.4	14,208	16,490	16,893	10
Dickey	81	86	89	2.8	12,879	14,215	14,719	35
Divide	34	43	48	11.7	11,493	14,822	17,173	7
Dunn	48	48	49	1.4	11,707	12,221	12,480	49
Eddy	37	49	44	-10.5	12,347	16,718	15,001	32
Emmons	57	57	62	9.1	11,427	11,886	13,238	44
Foster	54	67	64	-5.0	13,238	16,962	16,516	14
Golden Valley	34	33	32	-3.1	15,682	15,663	16,021	19
Grand Forks	923	979	1,027	4.9	13,034	13,856	14,565	38
Grant	39	39	43	10.5	10,821	11,052	12,464	50
Griggs	46	55	53	-3.5	13,630	16,626	16,493	15
Hettinger	45	48	44	-7.3	12,776	13,984	13,450	43
Kidder	36	44	42	-3.3	10,522	13,155	12,922	47
La Moure	65	70	66	-5.4	11,832	13,048	12,440	51
Logan	34	39	36	-5.8	11,613	13,661	13,119	45
McHenry	78	87	83	-4.2	11,740	13,440	13,078	46
McIntosh	53	57	60	4.6	12,822	14,314	15,617	23
McKenzie	94	100	104	4.6	14,185	15,780	16,843	11
McLean	138	157	149	-4.5	12,915	15,078	14,639	36
Mercer	148	157	161	2.5	14,744	16,141	16,611	13
Morton	305	314	336	6.8	12,722	13,318	14,299	40
Mountrail	91	103	102	-1.1	12,656	14,819	14,949	33
Nelson	63	75	68	-10.0	13,943	17,155	15,848	20
Oliver	29	30	31	4.3	11,910	12,515	13,583	42
Pembina	151	165	159	-3.8	16,101	17,976	17,596	5
Pierce	68	78	76	-2.4	13,178	15,460	15,305	28
Ramsey	187	204	209	2.3	14,705	16,135	16,617	12
Ransom	80	84	91	8.2	13,286	14,284	15,435	26
Renville	41	50	45	-9.7	12,628	15,960	14,905	34
Richland	243	247	270	9.3	13,213	13,668	15,030	31
Rolette	122	128	138	8.1	9,401	10,073	10,757	52
Sargent	79	80	83	3.3	17,060	17,800	18,640	2
Sheridan	26	34	29	-14.9	11,903	16,086	13,899	41
Sioux	30	31	34	9.9	8,050	8,258	8,965	53
Slope	15	12	16	40.0	15,612	13,070	17,916	3
Stark	297	320	335	4.4	12,804	14,108	14,588	37
Steele	31	40	35	-11.8	12,660	16,704	15,075	30
Stutsman	300	337	339	.6	13,318	15,188	15,436	25
Towner	53	58	60	3.8	14,266	15,955	17,086	9
Traill	117	128	137	6.6	13,078	14,738	15,658	22
Walsh	199	203	215	6.3	14,081	14,720	16,170	18
Ward	802	866	906	4.6	13,698	15,009	15,802	21
Wells	75	100	88	-12.3	12,494	17,256	15,604	24
Williams	311	328	341	4.0	14,223	15,671	16,206	17
Ohio	**179,035**	**189,177**	**194,388**	**2.8**	**16,532**	**17,422**	**17,767**	.....
Metropolitan portion	**151,176**	**159,816**	**164,351**	**2.8**	**17,158**	**18,088**	**18,464**	.....
Nonmetropolitan portion	**27,859**	**29,361**	**30,037**	**2.3**	**13,803**	**14,514**	**14,726**	.....
Adams	237	256	268	4.5	9,410	10,060	10,297	88
Allen	1,706	1,772	1,818	2.6	15,547	16,139	16,609	27
Ashland	666	700	718	2.6	14,067	14,721	14,934	50
Ashtabula	1,286	1,346	1,382	2.7	12,842	13,486	13,764	61
Athens	647	686	722	5.2	10,897	11,506	11,958	82
Auglaize	669	700	717	2.4	15,092	15,672	15,793	40
Belmont	948	990	1,015	2.6	13,163	13,978	14,312	57
Brown	437	458	484	5.6	12,584	13,063	13,590	63
Butler	4,598	4,907	5,139	4.7	15,939	16,768	17,200	19
Carroll	323	344	351	2.1	12,179	12,961	13,008	72
Champaign	484	522	535	2.5	13,573	14,437	14,710	55
Clark	2,319	2,434	2,516	3.4	15,721	16,487	17,019	22
Clermont	2,274	2,421	2,546	5.2	15,338	16,042	16,499	29
Clinton	521	560	582	3.9	14,780	15,780	16,155	34
Columbiana	1,299	1,350	1,399	3.6	11,951	12,483	12,795	74
Coshocton	461	477	485	1.7	13,004	13,468	13,631	62
Crawford	635	651	658	1.1	13,224	13,615	13,788	59
Cuyahoga	27,944	29,489	30,027	1.8	19,706	20,901	21,203	2
Darke	799	826	838	1.5	14,898	15,397	15,603	41
Defiance	570	604	615	1.9	14,504	15,324	15,546	42
Delaware	1,201	1,288	1,348	4.7	18,302	19,110	19,400	6
Erie	1,251	1,286	1,320	2.6	16,290	16,745	17,141	20
Fairfield	1,578	1,718	1,794	4.4	15,406	16,543	16,883	23
Fayette	355	379	384	1.4	12,897	13,783	13,777	60
Franklin	17,223	18,231	18,981	4.1	18,091	18,890	19,417	5
Fulton	618	647	655	1.3	16,061	16,789	16,798	25
Gallia	375	394	415	5.3	12,163	12,692	13,252	68
Geauga	1,576	1,692	1,718	1.5	19,648	20,762	20,924	3
Greene	2,335	2,490	2,576	3.5	17,195	18,159	18,663	11
Guernsey	473	494	519	5.2	12,077	12,661	13,204	69
Hamilton	16,759	18,027	18,601	3.2	19,354	20,799	21,369	1
Hancock	1,168	1,226	1,257	2.5	17,827	18,704	18,992	8
Hardin	374	388	387	-.2	11,982	12,463	12,388	77
Harrison	170	175	180	2.8	10,477	10,893	11,184	86
Henry	440	464	464	9.0	15,160	15,929	15,873	39
Highland	455	468	486	3.8	12,834	13,073	13,284	67
Hocking	298	312	325	4.3	11,721	12,170	12,537	76
Holmes	322	345	348	.8	9,905	10,470	10,449	87
Huron	860	891	910	2.1	15,359	15,810	15,903	36
Jackson	324	343	362	5.5	10,710	11,356	11,730	84
Jefferson	1,090	1,157	1,185	2.4	13,403	14,463	14,809	53
Knox	640	694	717	3.3	13,508	14,611	14,985	48
Lake	3,955	4,187	4,295	2.6	18,397	19,406	19,706	4
Lawrence	676	720	753	4.6	10,921	11,642	12,077	81
Licking	1,974	2,095	2,175	3.8	15,447	16,295	16,665	26
Logan	581	645	686	6.4	13,829	15,195	15,877	38
Lorain	4,129	4,356	4,482	2.9	15,224	16,062	16,392	31
Lucas	7,845	8,108	8,258	1.9	16,974	17,524	17,885	14
Madison	522	551	565	2.7	14,200	14,805	15,047	47
Mahoning	4,056	4,238	4,366	3.0	15,210	16,032	16,480	30
Marion	815	850	874	2.7	12,628	13,238	13,586	64
Medina	2,166	2,320	2,395	3.2	17,845	18,902	19,094	7
Meigs	253	267	277	3.8	10,978	11,610	11,928	83
Mercer	585	621	610	-1.8	14,863	15,730	15,386	44
Miami	1,500	1,590	1,630	2.5	16,179	17,031	17,316	17
Monroe	188	198	201	1.4	12,019	12,825	13,063	70
Montgomery	9,981	10,451	10,776	3.1	17,435	18,190	18,705	10
Morgan	175	184	185	.5	12,345	12,965	13,050	71
Morrow	332	348	359	3.3	12,015	12,502	12,766	75
Muskingum	1,145	1,198	1,233	2.9	13,936	14,600	14,967	49
Noble	131	136	142	4.6	11,541	11,977	12,179	79
Ottawa	695	723	726	.5	17,359	18,040	18,113	13
Paulding	276	286	287	.4	13,476	13,945	14,122	58
Perry	352	369	386	4.4	11,188	11,695	12,130	80
Pickaway	613	644	662	2.7	12,811	13,306	13,585	65
Pike	269	289	304	5.3	11,138	11,906	12,335	78
Portage	2,142	2,244	2,297	2.4	15,096	15,702	15,881	37
Preble	565	613	623	1.7	14,146	15,260	15,366	45
Putnam	504	530	530	-.1	14,968	15,646	15,487	43
Richland	1,936	1,999	2,015	.8	15,316	15,850	15,938	35
Ross	868	917	948	3.3	12,561	13,210	13,469	66
Sandusky	995	1,041	1,053	1.1	16,038	16,800	16,837	24
Scioto	941	1,009	1,040	3.1	11,667	12,566	12,853	73
Seneca	832	880	891	1.3	13,901	14,728	14,934	51
Shelby	716	778	812	4.4	15,993	17,301	17,825	15
Stark	5,820	6,179	6,309	2.1	15,813	16,810	17,053	21
Summit	9,029	9,602	9,820	2.3	17,558	18,627	18,889	9
Trumbull	3,492	3,638	3,728	2.5	15,253	15,988	16,287	32
Tuscarawas	1,176	1,248	1,258	.8	13,967	14,834	14,805	54
Union	550	589	595	1.0	17,355	18,362	18,207	12
Van Wert	431	446	443	-.7	14,148	14,631	14,548	56
Vinton	116	123	128	3.5	10,474	11,122	11,359	85
Warren	1,795	1,937	2,016	4.1	15,998	16,907	17,298	18
Washington	849	894	927	3.7	13,593	14,362	14,867	52
Wayne	1,561	1,636	1,657	1.3	15,458	16,090	16,158	33
Williams	589	608	614	1.0	15,956	16,442	16,602	28
Wood	1,879	1,951	1,969	.9	16,671	17,189	17,327	16
Wyandot	327	339	339	-.1	14,637	15,238	15,154	46
Oklahoma	**45,080**	**47,669**	**49,435**	**3.7**	**14,310**	**15,154**	**15,570**	.....
Metropolitan portion	**29,166**	**30,832**	**32,071**	**4.0**	**15,614**	**16,475**	**16,914**	.....
Nonmetropolitan portion	**15,914**	**16,838**	**17,364**	**3.1**	**12,410**	**13,214**	**13,576**	.....
Adair	190	198	213	7.1	10,306	10,764	11,248	70
Alfalfa	102	109	97	-11.0	15,666	17,029	15,183	17
Atoka	105	107	113	5.1	8,216	8,396	8,784	77
Beaver	95	99	94	-5.3	15,432	16,588	15,652	14
Beckham	225	230	239	4.0	11,734	12,308	12,787	49
Blaine	153	159	162	1.6	13,133	13,979	14,109	27
Bryan	340	356	372	4.4	10,589	11,101	11,546	65
Caddo	341	385	378	-1.9	11,420	13,075	12,936	46

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Canadian	1,066	1,148	1,203	4.8	14,500	15,365	15,851	12
Carter	619	643	666	3.6	14,307	15,011	15,566	15
Cherokee	394	424	446	5.3	11,641	12,409	12,741	54
Choctaw	155	166	175	5.5	10,091	10,833	11,414	67
Cimarron	67	73	74	.9	20,313	22,268	22,976	1
Cleveland	2,369	2,503	2,621	4.7	13,795	14,290	14,737	19
Coal	56	56	59	5.3	9,740	9,718	10,357	75
Comanche	1,433	1,491	1,548	3.8	12,807	13,386	13,862	32
Cotton	87	93	89	-3.9	12,960	13,985	13,822	33
Craig	178	185	195	5.5	12,593	13,125	13,873	31
Creek	830	873	911	4.4	13,467	14,380	14,736	20
Custer	345	362	366	1.1	12,710	13,501	13,800	35
Delaware	290	314	327	3.9	10,446	11,156	11,444	66
Dewey	85	87	81	-6.9	15,049	15,682	14,738	18
Ellis	72	75	79	6.1	15,481	16,792	17,896	5
Garfield	869	909	930	2.4	15,074	16,095	16,489	11
Garvin	355	367	384	4.6	13,217	13,831	14,434	21
Grady	502	516	536	3.8	11,963	12,383	12,779	50
Grant	103	108	98	-9.3	17,737	19,136	17,654	7
Greer	76	84	81	-3.1	11,438	12,802	12,668	56
Harmon	46	54	45	-17.1	11,810	14,285	12,016	62
Harper	68	76	69	-9.5	16,412	18,827	17,491	8
Haskell	125	133	138	4.1	11,440	12,125	12,763	52
Hughes	134	141	144	1.9	10,229	10,856	11,115	71
Jackson	348	387	374	-3.3	12,002	13,497	13,046	45
Jefferson	88	91	96	5.5	12,310	13,086	13,789	36
Johnston	94	98	105	6.3	9,298	9,814	10,528	74
Kay	763	800	826	3.3	15,786	16,667	17,120	9
Kingfisher	190	200	206	2.9	14,164	15,218	15,734	13
Kiowa	152	168	158	-5.9	13,304	14,822	14,123	26
Latimer	102	112	121	7.9	9,952	10,848	11,414	68
Le Flore	493	522	546	4.5	11,459	12,033	12,544	57
Lincoln	327	343	358	4.3	11,228	11,736	12,129	61
Logan	370	388	402	3.8	12,689	13,376	13,819	34
Love	96	105	111	6.3	11,834	12,784	13,371	42
McClain	301	314	328	4.6	13,187	13,761	14,226	23
McCurtain	364	372	392	5.2	10,859	11,147	11,749	64
McIntosh	171	180	187	3.9	10,181	10,750	11,062	73
Major	107	113	108	-4.6	13,125	14,053	13,640	38
Marshall	129	137	145	6.2	11,915	12,605	13,119	44
Mayes	395	419	435	3.9	11,831	12,556	12,863	47
Murray	134	138	150	8.7	11,004	11,462	12,311	59
Muskogee	851	889	926	4.2	12,482	13,055	13,514	41
Noble	144	152	153	.7	12,934	13,765	13,766	37
Nowata	117	121	126	4.5	11,530	12,126	12,738	55
Okfuskee	114	119	125	4.9	9,831	10,302	11,114	72
Oklahoma	10,048	10,526	10,960	4.1	16,724	17,558	18,072	4
Okmulgee	409	429	451	5.3	11,112	11,773	12,332	58
Osage	455	480	493	2.7	10,920	11,518	11,787	63
Ottawa	360	377	391	3.7	11,673	12,366	12,755	53
Pawnee	200	212	218	3.1	12,761	13,628	14,045	29
Payne	792	832	879	5.6	12,841	13,536	14,197	25
Pittsburg	463	496	527	6.2	11,358	12,242	12,767	51
Pontotoc	427	447	464	3.6	12,534	13,099	13,590	40
Pottawatomie	753	769	803	4.4	12,766	13,100	13,621	39
Pushmataha	104	107	114	6.6	9,396	9,725	10,319	76
Roger Mills	55	58	59	1.4	12,818	14,115	14,349	22
Rogers	758	818	861	5.2	13,841	14,782	15,209	16
Seminole	290	307	321	4.4	11,254	12,136	12,834	48
Sequoyah	344	369	387	4.8	10,238	10,877	11,344	69
Stephens	541	566	603	6.6	12,719	13,397	14,012	30
Texas	252	267	289	8.3	15,117	16,307	17,834	6
Tillman	121	139	126	-9.6	11,575	13,466	12,229	60
Tulsa	8,927	9,580	9,934	3.7	17,784	19,008	19,333	3
Wagoner	642	664	690	3.9	13,476	13,832	14,221	24
Washington	880	953	986	3.4	18,379	19,790	20,275	2
Washita	141	158	152	-3.8	11,996	13,922	13,218	43
Woods	140	153	152	-.5	15,168	16,891	16,933	10
Woodward	251	269	266	-1.2	12,941	14,271	14,093	28
Oregon	**45,188**	**48,745**	**51,112**	**4.9**	**16,193**	**17,038**	**17,495**	.....
Metropolitan portion	**33,065**	**35,781**	**37,579**	**5.0**	**17,000**	**17,899**	**18,385**	.....
Nonmetropolitan portion	**12,123**	**12,964**	**13,533**	**4.4**	**14,336**	**15,040**	**15,420**	.....
Baker	203	218	230	5.7	13,331	14,174	14,871	28
Benton	1,094	1,169	1,210	3.6	15,716	16,401	16,783	10
Clackamas	5,094	5,565	5,839	4.9	18,724	19,782	20,215	3
Clatsop	537	554	569	2.7	16,331	16,563	16,816	9
Columbia	535	579	609	5.3	14,498	15,311	15,742	18
Coos	846	898	931	3.7	14,192	14,845	15,296	22
Crook	199	215	228	6.1	14,417	15,145	15,536	20
Curry	275	294	307	4.5	14,685	15,045	15,645	19
Deschutes	1,127	1,279	1,362	6.4	15,372	16,932	16,946	7
Douglas	1,332	1,404	1,436	2.3	14,281	14,749	15,000	26
Gilliam	28	29	30	.7	16,475	17,138	17,162	6
Grant	107	115	126	9.7	13,784	14,580	15,774	17
Harney	95	100	105	5.3	13,486	14,073	14,997	27
Hood River	264	291	310	6.5	15,870	17,128	18,373	5
Jackson	2,118	2,296	2,407	4.9	14,772	15,570	15,953	16
Jefferson	168	182	195	7.0	12,599	13,192	13,777	35
Josephine	823	873	906	3.7	13,321	13,872	14,004	34
Klamath	778	813	840	3.3	13,621	14,043	14,421	33
Lake	104	107	108	.7	14,664	14,815	15,114	23
Lane	4,193	4,487	4,651	3.7	15,083	15,760	16,145	15
Lincoln	578	621	659	6.1	15,184	15,851	16,446	14
Linn	1,216	1,296	1,368	5.6	13,537	14,126	14,638	31
Malheur	326	349	366	4.9	12,540	13,397	13,774	36
Marion	3,352	3,666	3,891	6.2	14,967	15,932	16,509	13
Morrow	119	132	122	-7.6	15,638	17,339	15,102	24
Multnomah	10,470	11,171	11,684	4.6	18,160	19,045	19,627	4
Polk	677	734	776	5.7	13,939	14,719	15,089	25
Sherman	45	43	42	-2.6	23,086	22,492	21,920	1
Tillamook	284	306	321	4.9	13,366	14,122	14,533	32
Umatilla	788	848	891	5.0	13,431	14,266	14,805	30
Union	327	342	356	4.0	13,988	14,456	14,807	29
Wallowa	107	111	121	8.2	15,552	16,108	16,868	8
Wasco	329	350	371	5.9	15,282	16,119	16,726	12
Washington	5,696	6,292	6,674	6.1	18,876	19,968	20,391	2
Wheeler	22	23	24	5.7	15,857	16,462	16,766	11
Yamhill	930	992	1,046	5.5	14,583	14,985	15,468	21
Pennsylvania	**209,367**	**222,693**	**230,946**	**3.7**	**17,644**	**18,725**	**19,313**	.....
Metropolitan portion	**183,504**	**195,339**	**202,355**	**3.6**	**18,226**	**19,354**	**19,950**	.....
Nonmetropolitan portion	**25,863**	**27,354**	**28,591**	**4.5**	**14,387**	**15,198**	**15,752**	.....
Adams	1,238	1,324	1,378	4.1	16,033	16,834	17,196	25
Allegheny	25,825	27,859	28,997	4.1	19,215	20,874	21,679	5
Armstrong	1,153	1,210	1,266	4.6	15,609	16,492	17,092	26
Beaver	2,652	2,823	2,968	5.2	14,155	15,195	15,837	37
Bedford	581	615	645	4.8	12,148	12,828	13,357	65
Berks	6,317	6,607	6,776	2.6	18,915	19,573	19,868	9
Blair	1,803	1,912	1,994	4.3	13,784	14,646	15,175	43
Bradford	889	931	962	3.3	14,539	15,275	15,650	41
Bucks	11,438	12,215	12,571	2.9	21,352	22,482	22,916	4
Butler	2,441	2,629	2,762	5.1	16,106	17,270	17,847	17
Cambria	2,205	2,334	2,457	5.3	13,406	14,353	15,113	45
Cameron	84	86	88	2.2	14,031	14,656	15,124	44
Carbon	819	869	903	3.9	14,520	15,233	15,675	39
Centre	1,792	1,926	2,035	5.7	14,578	15,514	16,244	34
Chester	8,696	9,482	9,731	2.6	23,539	25,018	25,424	2
Clarion	550	574	599	4.4	13,141	13,775	14,334	60
Clearfield	1,070	1,130	1,177	4.1	13,629	14,488	15,050	50
Clinton	469	483	503	4.2	12,594	12,981	13,521	63
Columbia	866	914	947	3.6	13,724	14,451	14,872	52
Crawford	1,163	1,246	1,292	3.7	13,455	14,466	14,912	51
Cumberland	3,529	3,689	3,835	4.0	18,190	18,843	19,354	10
Dauphin	4,092	4,357	4,545	4.3	17,262	18,293	18,935	14
Delaware	12,192	12,814	13,110	2.3	22,220	23,402	23,869	3
Elk	561	586	613	4.5	15,960	16,849	17,476	22
Erie	4,220	4,474	4,693	4.9	15,284	16,239	16,886	29
Fayette	1,915	2,038	2,142	5.1	13,064	14,056	14,644	56
Forest	59	62	65	3.8	12,296	12,960	13,442	64
Franklin	1,881	1,975	2,069	4.7	15,615	16,276	16,796	30
Fulton	185	200	207	3.3	13,427	14,440	14,741	54
Greene	468	498	522	4.7	11,772	12,609	13,154	66
Huntingdon	510	538	562	4.4	11,576	12,160	12,692	67
Indiana	1,181	1,253	1,300	3.7	13,091	13,928	14,375	59
Jefferson	658	687	714	4.0	14,204	14,921	15,412	42
Juniata	304	316	326	3.2	14,818	15,265	15,665	40
Lackawanna	3,515	3,703	3,842	3.8	16,012	16,910	17,533	20
Lancaster	7,513	8,026	8,209	2.3	18,015	18,884	19,071	13
Lawrence	1,353	1,403	1,453	3.6	13,957	14,607	15,084	46
Lebanon	1,754	1,881	1,959	4.2	15,498	16,503	17,017	27
Lehigh	5,507	5,809	5,984	3.0	19,044	19,900	20,328	6
Luzerne	5,099	5,385	5,598	4.0	15,511	16,412	16,980	28
Lycoming	1,786	1,880	1,945	3.4	15,084	15,816	16,234	35
McKean	642	674	712	5.6	13,540	14,325	15,081	47
Mercer	1,724	1,829	1,915	4.7	14,193	15,130	15,731	38
Mifflin	598	627	645	2.9	12,939	13,555	13,875	62
Monroe	1,576	1,732	1,825	5.4	16,935	17,911	18,119	16
Montgomery	18,622	20,021	20,496	2.4	27,599	29,461	29,885	1
Montour	305	332	357	7.6	17,275	18,655	19,942	8
Northampton	4,285	4,522	4,661	3.1	17,517	18,227	18,628	15
Northumberland	1,342	1,409	1,460	3.6	13,820	14,572	15,075	48
Perry	566	607	631	4.0	13,936	14,674	15,055	49
Philadelphia	24,962	26,217	27,357	4.3	15,688	16,547	17,430	23
Pike	504	549	586	6.6	18,727	19,368	19,191	12
Potter	217	230	246	6.8	12,869	13,809	14,571	58
Schuylkill	2,298	2,415	2,495	3.3	14,997	15,842	16,317	33
Snyder	619	651	712	9.5	17,020	17,680	19,237	11
Somerset	1,042	1,109	1,154	4.1	13,291	14,183	14,647	55
Sullivan	82	88	90	3.0	13,373	14,351	14,764	53
Susquehanna	540	579	602	3.9	13,441	14,309	14,619	57
Tioga	514	560	585	4.4	12,501	13,602	14,190	61
Union	535	570	603	5.7	14,876	15,731	16,614	31
Venango	906	960	1,045	8.8	15,163	16,192	17,513	21
Warren	719	753	793	5.2	15,874	16,735	17,594	19
Washington	3,185	3,415	3,584	4.9	15,486	16,717	17,428	24

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Wayne	616	656	683	4.0	15,597	16,363	16,610	32
Westmoreland	5,917	6,340	6,608	4.2	15,920	17,132	17,761	18
Wyoming	415	435	449	3.2	14,835	15,472	15,892	36
York	6,305	6,669	6,911	3.6	18,715	19,579	19,998	7
Rhode Island	**18,100**	**18,863**	**19,299**	**2.3**	**18,088**	**18,771**	**19,201**	.....
Metropolitan portion	**16,382**	**17,086**	**17,509**	**2.5**	**17,934**	**18,618**	**19,088**	.....
Nonmetropolitan portion	**1,718**	**1,778**	**1,789**	**.7**	**19,697**	**20,379**	**20,384**	.....
Bristol	1,043	1,064	1,070	.5	21,358	21,760	21,795	1
Kent	3,102	3,210	3,278	2.1	19,266	19,904	20,277	3
Newport	1,718	1,778	1,789	.7	19,697	20,379	20,384	2
Providence	10,200	10,669	10,981	2.9	17,152	17,868	18,455	5
Washington	2,037	2,143	2,180	1.7	18,701	19,406	19,551	4
South Carolina	**47,836**	**52,626**	**54,797**	**4.1**	**13,838**	**15,043**	**15,391**	.....
Metropolitan portion	**34,763**	**38,445**	**39,995**	**4.0**	**14,501**	**15,805**	**16,123**	.....
Nonmetropolitan portion	**13,073**	**14,181**	**14,802**	**4.4**	**12,339**	**13,302**	**13,710**	.....
Abbeville	264	276	284	3.0	11,129	11,538	11,834	39
Aiken	1,943	2,107	2,210	4.9	16,217	17,362	17,571	4
Allendale	116	126	132	4.7	9,961	10,688	11,128	41
Anderson	1,950	2,069	2,126	2.8	13,517	14,212	14,535	18
Bamberg	164	170	178	4.4	9,607	10,107	10,456	46
Barnwell	265	288	296	3.0	13,069	14,160	14,344	20
Beaufort	1,437	1,569	1,609	2.5	16,783	18,095	17,971	2
Berkeley	1,448	1,668	1,742	4.4	11,413	12,880	13,070	29
Calhoun	153	159	169	6.4	12,035	12,443	13,115	28
Charleston	3,842	4,697	4,931	5.0	13,139	15,864	16,230	7
Cherokee	617	646	667	3.3	14,000	14,459	14,740	17
Chester	360	381	393	3.3	11,269	11,811	12,054	37
Chesterfield	464	497	520	4.6	12,055	12,870	13,298	26
Clarendon	255	295	311	5.6	8,987	10,349	10,817	45
Colleton	370	414	429	3.6	10,796	12,018	12,190	34
Darlington	758	816	864	5.8	12,258	13,194	13,770	23
Dillon	304	318	337	6.2	10,386	10,918	11,522	40
Dorchester	1,039	1,222	1,286	5.3	12,774	14,593	14,866	16
Edgefield	207	210	223	6.3	11,330	11,398	12,062	36
Fairfield	277	292	304	4.2	12,536	13,044	13,479	24
Florence	1,499	1,703	1,799	5.7	13,149	14,867	15,369	11
Georgetown	567	682	713	4.5	12,346	14,690	14,917	15
Greenville	5,288	5,671	5,822	2.7	16,668	17,649	17,951	3
Greenwood	838	891	926	3.9	14,133	14,932	15,370	10
Hampton	210	224	228	2.0	11,578	12,287	12,462	30
Horry	1,844	2,141	2,251	5.1	13,075	14,750	15,127	13
Jasper	167	184	192	4.8	10,845	11,831	12,238	32
Kershaw	589	650	675	3.9	13,656	14,839	15,228	12
Lancaster	693	746	764	2.4	12,770	13,666	13,859	22
Laurens	733	795	846	6.3	12,721	13,648	14,426	19
Lee	161	183	201	9.9	8,733	9,934	10,837	44
Lexington	2,834	3,026	3,145	3.9	17,013	18,006	18,198	1
McCormick	86	95	98	3.0	9,853	10,713	11,073	42
Marion	360	387	413	6.9	10,628	11,395	12,009	38
Marlboro	304	323	359	11.4	10,281	11,006	12,152	35
Newberry	440	457	476	4.2	13,335	13,746	14,192	21
Oconee	837	906	933	3.0	14,759	15,681	16,031	9
Orangeburg	1,023	1,106	1,149	3.9	12,091	13,024	13,337	25
Pickens	1,290	1,397	1,459	4.4	13,911	14,812	15,055	14
Richland	4,541	4,898	5,069	3.5	16,047	17,078	17,416	5
Saluda	195	207	217	5.1	11,868	12,660	13,283	27
Spartanburg	3,318	3,570	3,701	3.7	14,757	15,688	16,048	8
Sumter	1,110	1,214	1,283	5.6	10,942	11,779	12,254	31
Union	345	360	373	3.7	11,397	11,850	12,213	33
Williamsburg	339	384	410	6.6	9,192	10,442	11,062	43
York	1,993	2,207	2,281	3.4	15,411	16,685	16,902	6
South Dakota	**9,809**	**10,836**	**11,325**	**4.5**	**14,080**	**15,566**	**16,095**	.....
Metropolitan portion	**3,440**	**3,786**	**4,011**	**5.9**	**15,724**	**17,108**	**17,674**	.....
Nonmetropolitan portion	**6,370**	**7,050**	**7,314**	**3.7**	**13,327**	**14,848**	**15,344**	.....
Aurora	32	40	39	-2.0	10,042	12,861	12,994	56
Beadle	266	286	291	1.7	14,517	15,677	16,148	27
Bennett	34	40	42	4.2	10,670	12,508	13,201	55
Bon Homme	85	94	97	2.6	12,035	13,316	13,759	48
Brookings	306	335	363	8.4	12,121	13,278	14,325	47
Brown	539	582	611	5.0	15,095	16,374	17,113	18
Brule	67	81	81	-1.0	12,117	14,874	14,337	46
Buffalo	17	19	21	11.8	9,760	10,818	11,986	62
Butte	96	103	109	5.9	11,997	12,987	13,203	54
Campbell	33	32	40	25.2	16,709	16,235	20,487	7
Charles Mix	101	119	124	4.2	10,973	13,011	13,516	51
Clark	65	71	74	4.3	14,510	16,212	17,150	17
Clay	148	161	168	4.5	11,201	12,175	12,776	58
Codington	309	343	360	5.0	13,643	15,090	15,657	32
Corson	45	50	57	15.7	10,558	11,925	13,618	49
Custer	92	98	102	3.6	14,710	15,916	16,480	24
Davison	255	278	289	3.9	14,542	15,875	16,511	23
Day	109	113	110	-2.5	15,410	16,299	15,921	31
Deuel	50	55	55	7.5	10,960	12,310	12,305	60
Dewey	53	55	60	8.7	9,570	9,991	10,724	64
Douglas	40	45	48	5.4	10,531	12,085	12,834	57
Edmunds	65	74	71	-3.8	14,733	17,066	16,659	22
Fall River	107	111	115	3.0	14,400	15,204	15,635	33
Faulk	43	50	48	-3.6	15,327	18,267	17,496	13
Grant	116	123	124	1.1	13,726	14,698	14,881	41
Gregory	66	75	76	1.2	12,213	14,053	14,349	45
Haakon	48	53	55	3.7	18,007	20,410	21,384	4
Hamlin	58	66	67	2.1	11,625	13,254	13,459	52
Hand	72	85	87	1.7	16,629	20,043	20,046	9
Hanson	29	35	33	-5.1	9,718	11,745	11,185	63
Harding	25	27	29	6.6	14,859	16,228	17,431	14
Hughes	230	250	263	5.4	15,532	16,823	17,645	12
Hutchinson	114	126	131	4.2	13,684	15,318	16,117	28
Hyde	27	34	34	1.4	15,556	19,986	20,597	6
Jackson	28	32	34	6.4	9,636	11,575	12,382	59
Jerauld	32	39	39	-1.3	13,078	16,302	16,159	26
Jones	27	31	31	-.5	20,010	23,481	23,510	2
Kingsbury	82	85	89	5.3	13,690	14,341	15,239	38
Lake	133	149	156	4.9	12,569	14,102	14,825	42
Lawrence	275	302	322	6.5	13,402	14,604	15,282	35
Lincoln	207	224	233	4.1	13,512	14,466	14,993	40
Lyman	52	55	53	-3.7	14,245	15,054	14,555	44
McCook	74	78	77	-1.1	12,900	13,723	13,616	50
McPherson	48	50	53	4.8	14,777	15,669	16,742	21
Marshall	72	82	82	.4	14,793	16,904	17,253	15
Meade	301	337	361	6.9	13,767	15,412	16,045	30
Mellette	23	30	29	-3.3	10,743	13,938	13,390	53
Miner	44	49	49	.5	13,405	15,027	15,282	36
Minnehaha	2,064	2,284	2,424	6.2	16,756	18,405	19,036	11
Moody	84	101	107	6.2	12,861	15,482	16,172	25
Pennington	1,169	1,279	1,353	5.9	14,562	15,640	16,106	29
Perkins	72	84	88	5.0	18,097	21,512	23,155	3
Potter	56	63	61	-3.9	17,209	19,865	19,088	10
Roberts	113	121	119	-1.8	11,217	12,248	12,215	61
Sanborn	37	43	43	-.3	12,740	15,196	15,215	39
Shannon	65	69	76	9.3	6,344	7,056	7,335	66
Spink	137	161	159	-1.2	16,947	20,320	20,084	8
Stanley	42	50	52	3.7	16,845	20,311	20,896	5
Sully	40	48	50	4.3	24,547	30,489	32,620	1
Todd	59	67	73	8.3	7,259	7,950	8,574	65
Tripp	91	109	107	-2.1	13,021	15,784	15,281	37
Turner	119	130	129	-.8	13,770	15,227	15,333	34
Union	148	168	174	3.4	14,429	16,539	16,766	19
Walworth	92	99	101	2.5	14,899	16,285	17,196	16
Yankton	256	278	293	5.2	13,339	14,432	14,809	43
Ziebach	26	30	35	16.3	11,378	13,489	16,766	20
Tennessee	**72,778**	**77,555**	**81,623**	**5.2**	**14,992**	**15,869**	**16,478**	.....
Metropolitan portion	**52,130**	**55,528**	**58,375**	**5.1**	**16,423**	**17,333**	**17,977**	.....
Nonmetropolitan portion	**20,648**	**22,027**	**23,249**	**5.5**	**12,289**	**13,083**	**13,627**	.....
Anderson	1,053	1,121	1,178	5.1	15,479	16,408	16,998	9
Bedford	427	444	465	4.6	14,113	14,569	14,923	22
Benton	181	188	203	8.1	12,415	12,930	13,659	41
Bledsoe	96	100	104	3.5	9,907	10,367	10,718	86
Blount	1,229	1,309	1,382	5.6	14,389	15,189	15,587	16
Bradley	1,032	1,091	1,142	4.7	14,093	14,763	15,260	18
Campbell	362	389	413	6.2	10,311	11,089	11,663	76
Cannon	131	138	145	5.0	12,555	13,221	13,664	40
Carroll	330	348	370	6.2	11,944	12,669	13,318	49
Carter	546	588	616	4.8	10,600	11,413	11,886	73
Cheatham	357	376	397	5.8	13,410	13,743	14,231	31
Chester	136	145	153	4.9	10,579	11,337	11,826	74
Claiborne	308	323	348	7.6	11,800	12,361	13,046	52
Clay	80	86	91	6.6	10,992	11,834	12,604	62
Cocke	288	316	341	8.0	9,877	10,834	11,658	77
Coffee	586	614	648	5.6	14,558	15,188	15,755	15
Crockett	161	171	182	6.3	11,943	12,846	13,529	43
Cumberland	401	442	465	5.2	11,722	12,642	12,880	56
Davidson	9,520	9,951	10,407	4.6	18,742	19,437	20,296	2
Decatur	115	121	126	4.2	10,927	11,532	11,999	71
DeKalb	168	183	195	6.6	11,728	12,713	13,471	46
Dickson	491	524	554	5.7	14,223	14,874	15,489	17
Dyer	485	512	522	2.1	13,926	14,661	15,024	21
Fayette	301	317	336	6.2	11,796	12,367	13,054	51
Fentress	133	140	155	10.5	9,002	9,559	10,468	89
Franklin	381	405	426	5.1	11,024	11,635	12,143	69
Gibson	614	643	678	5.4	13,175	13,902	14,575	29
Giles	327	347	372	7.2	12,741	13,459	14,092	33
Grainger	167	175	187	7.0	9,774	10,225	10,700	88
Greene	688	730	751	2.9	12,306	13,075	13,318	50
Grundy	137	140	148	6.0	10,180	10,461	11,034	83
Hamblen	655	702	740	5.4	12,920	13,927	14,629	25
Hamilton	4,893	5,217	5,411	3.7	17,187	18,243	18,788	4
Hancock	54	60	65	7.9	8,067	8,897	9,761	93
Hardeman	260	278	296	6.7	11,110	11,881	12,573	63
Hardin	248	268	284	6.2	10,968	11,815	12,199	67
Hawkins	494	535	564	5.5	11,095	11,986	12,434	65
Haywood	223	246	266	8.2	11,457	12,650	13,638	42
Henderson	259	270	281	4.1	11,881	12,350	12,858	57
Henry	352	372	386	3.9	12,575	13,335	13,726	39

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Hickman	194	206	219	6.5	11,675	12,251	12,705	58
Houston	81	84	90	6.7	11,514	11,967	12,691	59
Humphreys	197	203	212	4.0	12,471	12,867	13,405	47
Jackson	89	93	99	5.9	9,543	10,022	10,822	85
Jefferson	405	430	459	6.7	12,284	13,024	13,511	44
Johnson	123	136	146	8.0	8,895	9,851	10,347	90
Knox	5,497	5,841	6,143	5.2	16,419	17,374	17,937	6
Lake	68	79	79	.7	9,488	11,092	11,186	81
Lauderdale	273	285	297	4.4	11,579	12,117	12,662	61
Lawrence	422	463	496	7.2	11,974	13,085	13,747	37
Lewis	91	97	103	7.0	9,755	10,455	10,714	87
Lincoln	363	391	399	2.1	12,955	13,840	14,041	34
Loudon	422	455	482	5.9	13,582	14,509	14,913	23
McMinn	533	567	589	3.8	12,574	13,382	13,764	36
McNairy	273	283	292	3.3	12,159	12,594	12,895	55
Macon	170	180	193	7.5	10,730	11,302	11,979	72
Madison	1,098	1,208	1,273	5.4	14,111	15,477	16,101	12
Marion	279	300	315	4.8	11,274	12,062	12,509	64
Marshall	296	317	333	5.1	13,848	14,656	14,816	24
Maury	809	918	1,061	15.5	14,837	16,715	18,188	5
Meigs	88	98	105	7.1	11,075	12,130	12,682	60
Monroe	335	352	371	5.5	10,998	11,509	12,017	70
Montgomery	1,277	1,334	1,415	6.1	12,927	13,191	13,736	38
Moore	51	52	53	1.9	10,706	11,084	10,998	84
Morgan	170	183	192	4.8	9,890	10,560	11,046	82
Obion	442	461	463	.4	13,879	14,534	14,579	28
Overton	161	169	179	5.8	9,133	9,594	10,055	92
Perry	75	78	82	5.5	11,407	11,772	12,177	68
Pickett	36	39	42	8.0	7,980	8,626	9,368	95
Polk	141	153	154	.7	10,365	11,216	11,217	80
Putnam	719	756	795	5.2	14,080	14,674	15,182	19
Rhea	314	339	353	4.2	12,903	13,923	14,270	30
Roane	685	729	768	5.4	14,473	15,445	16,091	13
Robertson	531	565	605	7.0	12,952	13,561	14,149	32
Rutherford	1,722	1,859	1,990	7.0	14,881	15,539	16,047	14
Scott	190	204	215	5.6	10,260	11,120	11,569	79
Sequatchie	91	99	104	5.1	10,283	11,197	11,616	78
Sevier	663	732	777	6.2	13,219	14,255	14,610	26
Shelby	14,307	15,294	16,052	5.0	17,384	18,475	19,200	3
Smith	194	206	218	5.6	13,688	14,577	15,127	20
Stewart	106	111	118	7.0	11,208	11,653	12,244	66
Sullivan	2,129	2,298	2,405	4.7	14,820	15,996	16,583	11
Sumner	1,614	1,728	1,824	5.5	15,862	16,641	17,313	8
Tipton	471	525	559	6.6	12,680	13,903	14,581	27
Trousdale	71	77	81	4.3	12,057	13,039	13,510	45
Unicoi	196	210	221	5.1	11,830	12,700	13,327	48
Union	122	135	144	6.6	9,050	9,790	10,291	91
Van Buren	42	45	48	5.5	8,752	9,329	9,719	94
Warren	394	416	433	4.0	11,981	12,594	12,939	54
Washington	1,375	1,486	1,569	5.6	14,883	16,089	16,664	10
Wayne	146	155	166	7.1	10,490	11,094	11,788	75
Weakley	409	427	443	3.5	12,739	13,380	13,882	35
White	243	252	263	4.5	12,129	12,529	12,949	53
Williamson	1,849	1,984	2,132	7.4	23,336	24,290	25,089	1
Wilson	1,070	1,144	1,211	5.9	16,056	16,803	17,390	7
Texas	**263,238**	**283,120**	**299,225**	**5.7**	**15,663**	**16,600**	**17,248**	.....
Metropolitan portion	**227,281**	**244,756**	**259,246**	**5.9**	**16,249**	**17,197**	**17,861**	.....
Nonmetropolitan portion	**35,958**	**38,365**	**39,979**	**4.2**	**12,755**	**13,591**	**14,109**	.....
Anderson	550	572	604	5.7	11,540	11,870	12,581	216
Andrews	202	213	219	2.6	13,944	14,907	14,919	117
Angelina	966	1,029	1,088	5.7	13,899	14,694	15,356	99
Aransas	236	249	265	6.4	13,296	13,855	14,266	145
Archer	121	133	130	-2.1	15,314	16,589	16,834	58
Armstrong	35	38	39	3.4	17,653	18,666	20,354	16
Atascosa	318	349	368	5.6	10,544	11,357	11,762	228
Austin	315	327	349	6.6	15,907	16,494	17,197	51
Bailey	101	114	114	.3	14,212	16,139	16,396	64
Bandera	152	164	173	5.7	14,819	15,369	16,097	73
Bastrop	456	495	521	5.2	12,198	12,838	13,425	187
Baylor	63	71	69	-2.8	14,180	16,175	16,039	77
Bee	275	295	309	4.8	10,927	11,737	12,191	225
Bell	2,486	2,601	2,612	.4	13,212	13,536	14,131	158
Bexar	17,438	18,219	19,281	5.8	14,909	15,294	15,994	78
Blanco	94	101	107	5.4	15,867	16,890	16,969	56
Borden	14	18	14	-21.1	17,077	22,036	18,542	30
Bosque	210	219	228	4.3	14,037	14,390	14,984	114
Bowie	1,134	1,217	1,269	4.3	13,954	14,869	15,526	93
Brazoria	3,265	3,530	3,804	7.8	17,113	18,378	19,104	23
Brazos	1,425	1,519	1,610	6.0	11,781	12,430	13,068	200
Brewster	93	106	109	2.6	10,760	12,206	12,769	210
Briscoe	28	34	29	-14.3	13,655	17,382	15,749	85
Brooks	75	79	83	5.7	9,097	9,567	10,272	239
Brown	446	462	484	4.8	12,959	13,445	14,017	166
Burleson	163	171	183	6.8	11,912	12,569	13,339	191
Burnet	340	350	368	5.1	15,161	15,370	16,079	74
Caldwell	303	320	340	6.3	11,488	12,106	12,768	211
Calhoun	268	286	306	7.1	13,938	15,024	15,691	87
Callahan	140	147	156	5.8	11,871	12,394	13,082	199
Cameron	2,236	2,469	2,641	7.0	8,709	9,448	9,824	243
Camp	159	159	166	4.3	16,006	16,060	16,547	62
Carson	91	104	106	1.9	13,877	15,792	16,209	70
Cass	374	398	419	5.3	12,461	13,266	13,869	170
Castro	117	139	144	3.6	12,767	15,358	16,307	67
Chambers	255	273	295	7.7	12,644	13,627	14,492	134
Cherokee	538	571	601	5.3	13,179	13,883	14,784	122
Childress	80	87	85	-2.2	13,376	14,678	14,271	144
Clay	132	140	139	-.6	13,147	13,907	14,201	152
Cochran	48	62	61	-1.6	10,934	14,234	14,765	124
Coke	46	46	49	6.7	13,335	13,399	14,342	138
Coleman	124	120	123	1.9	12,676	12,416	13,023	202
Collin	5,320	5,885	6,261	6.4	20,910	21,997	22,571	8
Collingsworth	44	50	48	-5.0	12,053	14,176	13,578	182
Colorado	256	268	287	6.9	13,802	14,645	15,656	89
Comal	863	924	983	6.3	16,970	17,712	18,413	32
Comanche	170	192	189	-1.6	12,707	14,329	14,206	151
Concho	42	47	45	-4.2	13,886	15,311	14,728	127
Cooke	399	418	436	4.3	13,118	13,539	14,317	141
Coryell	735	771	792	2.7	11,568	11,960	12,597	214
Cottle	34	37	37	-.9	14,658	16,667	17,082	52
Crane	59	61	64	5.4	12,546	13,068	13,445	186
Crockett	53	55	59	7.5	12,797	13,502	14,175	153
Crosby	88	104	82	-21.7	11,910	14,337	11,300	231
Culberson	34	35	34	-3.4	9,824	10,361	10,526	235
Dallam	82	87	104	20.1	14,573	15,984	18,698	29
Dallas	37,033	39,514	41,212	4.3	20,198	21,244	21,840	10
Dawson	177	218	176	-19.0	12,164	15,243	12,404	219
Deaf Smith	257	275	286	4.0	13,392	14,371	15,331	100
Delta	59	62	63	2.2	12,307	12,747	13,180	196
Denton	4,550	4,864	5,121	5.3	17,400	17,497	18,014	39
De Witt	234	246	257	4.6	12,292	13,092	14,028	165
Dickens	34	36	36	-.9	13,017	14,031	14,326	140
Dimmit	69	80	85	5.6	6,558	7,703	7,847	251
Donley	52	61	62	2.5	13,862	16,441	17,481	46
Duval	115	123	127	3.4	8,915	9,550	9,935	241
Eastland	223	236	246	3.9	11,921	12,820	13,409	188
Ector	1,740	1,791	1,913	6.8	14,504	15,098	15,833	81
Edwards	26	26	27	5.0	11,799	11,489	12,387	221
Ellis	1,249	1,317	1,391	5.7	15,021	15,331	16,063	75
El Paso	6,398	6,809	7,198	5.7	10,992	11,441	11,764	227
Erath	401	436	436	6.0	14,594	15,464	15,464	95
Falls	199	209	229	10.0	11,231	11,777	13,090	198
Fannin	322	336	349	3.9	12,998	13,546	14,276	142
Fayette	304	320	342	6.6	15,103	15,937	17,075	53
Fisher	61	70	56	-19.6	12,447	14,488	12,193	224
Floyd	108	132	131	-1.1	12,593	15,599	15,283	103
Foard	25	33	28	-17.0	13,981	18,619	15,868	80
Fort Bend	3,737	4,267	4,676	9.6	17,083	18,726	19,399	20
Franklin	108	113	117	4.1	13,998	14,368	14,883	119
Freestone	200	211	223	5.9	12,628	13,341	14,134	156
Frio	103	125	142	13.1	7,600	9,308	9,757	244
Gaines	153	184	147	-19.8	10,741	13,020	10,396	236
Galveston	3,599	3,822	4,083	6.8	16,627	17,549	18,316	34
Garza	54	61	59	-3.1	10,279	11,894	11,707	229
Gillespie	270	285	305	6.9	15,951	16,473	17,455	47
Glasscock	24	29	25	-13.5	16,734	19,854	17,036	55
Goliad	74	76	83	8.9	12,502	12,626	13,690	177
Gonzales	225	235	250	6.3	13,082	13,689	14,414	136
Gray	407	412	424	3.0	16,747	17,261	17,898	41
Grayson	1,437	1,507	1,574	4.4	15,172	15,833	16,398	63
Gregg	1,634	1,728	1,832	6.0	15,550	16,463	17,069	54
Grimes	217	235	248	5.2	11,594	12,481	12,892	205
Guadalupe	843	886	937	5.8	13,330	13,537	14,249	147
Hale	442	501	500	-.1	12,697	14,460	14,341	139
Hall	46	59	50	-15.2	11,388	15,333	12,817	209
Hamilton	114	120	123	2.7	14,780	15,482	16,295	68
Hansford	122	131	141	7.4	20,692	22,482	24,792	5
Hardeman	74	79	75	-5.2	13,655	15,126	15,199	105
Hardin	510	560	610	8.9	12,325	13,557	14,363	137
Harris	51,444	56,184	59,779	6.4	18,402	19,876	20,584	14
Harrison	764	820	857	4.6	13,366	14,231	15,024	112
Hartley	82	84	92	8.7	22,468	23,227	25,271	4
Haskell	97	109	96	-11.9	14,065	15,997	14,217	148
Hays	822	890	943	5.9	12,853	13,438	14,128	160
Hemphill	61	65	70	8.9	15,771	17,640	19,008	25
Henderson	687	720	758	5.3	11,945	12,218	12,841	208
Hidalgo	3,070	3,402	3,687	8.3	8,166	8,807	9,230	247
Hill	346	364	385	5.7	12,803	13,391	14,113	162
Hockley	270	301	318	5.5	11,135	12,443	12,969	203
Hood	508	547	586	7.1	17,983	18,678	19,246	21
Hopkins	413	428	428	.1	14,419	14,793	14,742	126
Houston	305	297	310	4.3	14,237	13,905	14,448	135
Howard	463	505	518	2.6	14,167	15,650	16,102	72
Hudspeth	31	28	23	-19.2	10,573	9,765	7,927	250
Hunt	924	968	1,014	4.7	14,456	15,012	15,818	82
Hutchinson	409	441	472	7.1	15,756	17,212	18,409	33

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Irion	28	29	31	5.6	17,333	17,936	19,500	19
Jack	87	92	96	5.0	12,359	13,206	14,212	150
Jackson	179	183	202	10.7	13,677	14,054	15,756	84
Jasper	387	410	441	7.7	12,436	13,180	14,145	155
Jeff Davis	23	25	26	5.1	12,044	12,846	13,693	176
Jefferson	3,870	4,066	4,393	8.0	16,090	17,005	18,108	38
Jim Hogg	63	68	72	5.4	12,261	13,350	14,126	161
Jim Wells	373	413	445	7.8	9,860	10,965	11,669	230
Johnson	1,405	1,492	1,553	4.1	14,781	15,240	15,764	83
Jones	203	222	211	-4.9	12,170	13,525	13,032	201
Karnes	138	146	155	6.6	11,020	11,736	12,594	215
Kaufman	771	829	877	5.8	15,032	15,764	16,365	65
Kendall	301	319	344	7.8	21,026	21,729	22,432	9
Kenedy	9	9	10	7.0	18,665	20,698	23,490	6
Kent	13	13	14	3.4	12,520	13,144	14,133	157
Kerr	635	665	691	3.9	17,663	18,238	18,711	28
Kimble	60	62	66	5.7	14,577	15,035	15,876	79
King	5	6	6	-4.7	15,247	18,133	18,882	27
Kinney	30	31	33	8.3	9,828	9,726	10,639	234
Kleberg	366	386	409	5.9	11,983	12,770	13,522	184
Knox	64	73	74	1.3	13,053	15,082	15,442	96
Lamar	609	635	667	4.9	13,892	14,437	15,114	109
Lamb	210	236	229	-2.9	13,710	15,721	15,319	102
Lampasas	173	182	188	3.5	12,849	13,406	13,958	168
La Salle	44	47	51	8.1	8,203	9,051	9,472	246
Lavaca	266	274	291	6.3	14,239	14,642	15,476	94
Lee	169	182	195	7.4	13,142	14,132	15,171	106
Leon	166	176	193	10.0	13,153	13,827	15,018	113
Liberty	675	731	784	7.2	12,824	13,855	14,594	131
Limestone	254	268	281	4.8	12,252	12,747	13,395	189
Lipscomb	49	57	57	-1.1	15,191	18,345	18,227	36
Live Oak	116	121	135	11.6	12,086	12,703	13,852	172
Llano	194	204	218	6.7	16,737	17,528	18,528	31
Loving	2	3	3	9.1	21,523	24,514	28,630	2
Lubbock	3,165	3,378	3,498	3.5	14,301	15,138	15,577	91
Lynn	85	104	90	-13.1	12,330	15,472	13,323	193
McCulloch	109	113	118	4.3	12,505	12,819	14,029	164
McLennan	2,638	2,801	2,983	6.5	14,048	14,771	15,623	90
McMullen	18	19	20	3.6	22,324	23,460	25,478	3
Madison	142	148	155	4.6	12,948	13,582	14,149	154
Marion	105	112	119	5.9	10,471	11,229	11,910	226
Martin	68	79	68	-13.5	13,727	15,890	14,216	149
Mason	47	50	51	.4	13,454	14,809	15,134	108
Matagorda	557	546	614	12.5	14,967	14,816	16,156	71
Maverick	223	250	274	9.4	6,198	6,846	7,129	253
Medina	321	349	373	6.9	11,917	12,707	13,266	195
Menard	29	29	31	6.7	13,071	12,769	13,776	175
Midland	1,938	2,110	2,223	5.3	18,270	19,755	20,357	15
Milam	304	317	339	7.2	13,172	13,812	14,837	121
Mills	63	66	69	4.2	13,978	14,527	15,072	111
Mitchell	96	102	99	-3.3	11,775	12,767	12,669	213
Montague	211	223	235	5.1	12,149	12,938	13,587	180
Montgomery	2,835	3,156	3,432	8.7	16,029	17,140	17,774	44
Moore	244	255	276	8.1	13,643	14,265	15,162	107
Morris	162	176	186	5.9	12,211	13,331	14,130	159
Motley	21	22	22	7.6	13,423	14,587	15,228	104
Nacogdoches	673	714	747	4.6	12,462	12,978	13,615	179
Navarro	526	549	580	5.6	13,247	13,709	14,588	132
Newton	127	136	145	7.3	9,392	9,971	10,825	233
Nolan	216	227	231	1.6	12,958	13,711	14,108	163
Nueces	3,987	4,318	4,618	6.9	13,734	14,812	15,556	92
Ochiltree	128	159	149	-6.5	13,763	17,548	16,829	59
Oldham	41	48	51	6.0	18,092	20,910	23,007	7
Orange	1,152	1,244	1,369	10.0	14,301	15,450	16,703	60
Palo Pinto	328	346	366	6.1	13,034	13,803	14,545	133
Panola	292	296	306	3.5	13,289	13,407	13,848	173
Parker	986	1,046	1,097	4.8	15,594	16,011	16,560	61
Parmer	180	212	206	-3.0	17,984	21,608	20,745	13
Pecos	150	155	163	5.5	10,050	10,583	11,273	232
Polk	370	400	431	7.7	12,198	12,978	13,492	185
Potter	1,474	1,577	1,677	6.3	14,977	16,131	16,876	57
Presidio	52	59	63	5.6	8,080	8,888	9,968	240
Rains	79	80	84	4.3	11,982	11,828	12,227	223
Randall	1,466	1,494	1,558	4.2	16,591	16,573	17,224	50
Reagan	56	57	60	5.8	12,294	12,697	13,587	181
Real	28	30	32	8.7	11,674	12,326	13,342	190
Red River	172	178	189	6.0	11,904	12,451	13,328	192
Reeves	140	152	156	2.8	8,751	9,576	9,917	242
Refugio	121	131	143	9.0	15,043	16,483	18,241	35
Roberts	16	18	19	2.7	15,535	18,005	19,213	22
Robertson	192	204	210	2.8	12,368	13,149	13,578	183
Rockwall	497	554	590	6.6	20,132	21,337	21,793	11
Runnels	160	169	171	1.6	13,989	14,985	15,438	97
Rusk	615	641	673	5.0	14,112	14,638	15,327	101
Sabine	108	114	121	6.3	11,322	11,911	12,525	217
San Augustine	91	94	98	4.5	11,308	11,754	12,494	218
San Jacinto	146	163	172	6.0	9,160	9,842	10,276	238
San Patricio	688	768	825	7.5	11,697	13,072	13,859	171
San Saba	74	77	78	.6	13,538	14,352	14,978	115
Schleicher	36	37	40	7.4	11,896	12,492	13,313	194
Scurry	237	266	270	1.4	12,579	14,324	14,622	130
Shackelford	53	57	60	4.8	15,553	17,370	17,935	40
Shelby	280	289	302	4.6	12,674	13,102	13,643	178
Sherman	66	81	92	14.0	22,751	28,304	31,939	1
Smith	2,462	2,625	2,792	6.4	16,411	17,291	18,159	37
Somervell	76	77	80	2.8	14,505	14,313	14,766	123
Starr	173	200	221	10.8	4,401	4,881	5,202	254
Stephens	115	117	119	1.6	12,530	13,104	13,830	174
Sterling	17	19	21	8.1	11,822	13,252	13,974	167
Stonewall	33	36	35	-2.1	15,911	17,978	17,330	49
Sutton	55	59	66	11.9	12,692	14,334	15,106	110
Swisher	129	154	161	4.6	15,718	19,032	20,175	17
Tarrant	20,364	21,787	22,882	5.0	17,716	18,502	19,062	24
Taylor	1,779	1,839	1,939	5.4	14,876	15,360	16,347	66
Terrell	24	25	25	1.0	16,723	17,624	17,850	42
Terry	152	171	170	-.5	11,368	12,958	12,947	204
Throckmorton	33	41	39	-3.9	17,174	21,601	20,942	12
Titus	331	362	380	5.2	13,842	15,029	15,680	88
Tom Green	1,443	1,515	1,601	5.7	14,807	15,334	16,252	69
Travis	9,736	10,916	11,744	7.6	17,167	18,829	19,725	18
Trinity	129	134	142	6.0	11,380	11,662	12,396	220
Tyler	218	234	252	7.9	13,023	14,050	14,854	120
Upshur	373	399	424	6.1	11,935	12,713	13,179	197
Upton	60	62	63	2.8	13,200	13,953	14,700	128
Uvalde	264	279	289	3.9	11,318	11,925	12,231	222
Val Verde	375	386	417	8.2	9,738	9,938	10,378	237
Van Zandt	510	539	571	5.9	13,583	14,146	14,758	125
Victoria	1,154	1,241	1,335	7.5	15,557	16,677	17,625	45
Walker	606	641	664	3.6	11,959	12,557	12,877	206
Waller	292	315	337	7.1	12,586	13,436	14,254	146
Ward	182	182	189	3.8	13,591	13,967	14,684	129
Washington	455	476	496	4.3	17,606	18,112	18,928	26
Webb	1,058	1,188	1,332	12.2	8,121	8,840	9,529	245
Wharton	537	573	594	3.7	13,387	14,350	14,904	118
Wheeler	83	87	92	5.7	13,866	14,907	16,042	76
Wichita	1,966	2,057	2,119	3.0	16,086	16,794	17,396	48
Wilbarger	203	231	223	-3.4	13,230	15,319	14,977	116
Willacy	125	127	143	13.0	7,032	7,161	7,959	249
Williamson	1,864	2,072	2,257	8.9	13,884	14,646	15,397	98
Wilson	254	281	299	6.4	11,497	12,316	12,851	207
Winkler	99	104	110	5.0	11,112	12,216	12,699	212
Wise	438	469	493	5.1	12,816	13,443	13,888	169
Wood	384	403	424	5.1	13,201	13,668	14,274	143
Yoakum	119	133	137	3.1	13,451	15,147	15,736	86
Young	295	311	319	2.5	16,177	17,201	17,796	43
Zapata	65	69	76	9.9	7,174	7,435	8,003	248
Zavala	73	83	88	6.7	6,039	6,789	7,207	252
Utah	**22,515**	**24,274**	**25,893**	**6.7**	**13,199**	**14,036**	**14,628**	.....
Metropolitan portion	**17,889**	**19,321**	**20,659**	**6.9**	**13,538**	**14,405**	**15,054**	.....
Nonmetropolitan portion	**4,626**	**4,953**	**5,235**	**5.7**	**12,032**	**12,761**	**13,157**	.....
Beaver	53	56	58	2.6	11,129	11,863	12,075	19
Box Elder	524	549	575	4.7	14,477	15,008	15,579	6
Cache	804	860	914	6.3	11,600	12,191	12,712	13
Carbon	290	304	314	3.3	14,152	15,102	15,487	7
Daggett	11	12	12	7.2	15,169	16,723	16,853	2
Davis	2,341	2,546	2,718	6.8	12,627	13,477	13,996	10
Duchesne	144	153	159	3.9	11,170	12,143	12,380	16
Emery	113	115	116	.6	10,691	11,233	11,187	24
Garfield	49	50	51	1.9	12,224	12,553	12,727	12
Grand	82	89	93	5.1	12,172	13,494	13,841	11
Iron	209	231	236	2.1	10,093	11,108	11,039	26
Juab	58	61	68	11.0	9,925	10,540	11,470	22
Kane	55	59	60	2.5	10,911	11,286	11,788	20
Millard	128	139	146	4.7	11,102	12,340	12,586	14
Morgan	79	82	86	4.9	14,442	14,745	15,231	9
Piute	13	14	14	2.5	9,858	10,948	11,096	25
Rich	26	26	26	1.4	14,686	15,294	16,047	4
Salt Lake	10,512	11,312	12,040	6.4	14,637	15,520	16,121	3
San Juan	98	104	107	3.1	7,859	8,194	9,015	29
Sanpete	161	172	183	6.4	9,941	10,579	10,961	27
Sevier	182	186	193	3.9	11,810	12,027	12,332	17
Summit	302	338	369	9.2	20,016	21,569	21,716	1
Tooele	383	395	419	6.2	14,351	14,858	15,437	8
Uintah	229	246	261	6.2	10,202	11,092	11,325	23
Utah	2,776	3,070	3,360	9.5	10,663	11,592	12,467	15
Wasatch	111	121	128	6.2	11,112	11,915	12,281	18
Washington	501	567	621	9.4	10,719	11,523	11,786	21
Wayne	22	24	24	1.6	10,310	10,792	10,941	28
Weber	2,261	2,394	2,541	6.1	14,355	15,085	15,709	5
Vermont	**9,419**	**9,956**	**10,176**	**2.2**	**16,889**	**17,630**	**17,960**	.....
Metropolitan portion	**3,155**	**3,384**	**3,467**	**2.5**	**18,019**	**19,030**	**19,369**	.....
Nonmetropolitan portion	**6,264**	**6,572**	**6,708**	**2.1**	**16,372**	**16,986**	**17,309**	.....
Addison	498	526	539	2.4	15,250	15,899	16,166	9
Bennington	667	701	712	1.6	18,720	19,492	19,952	2

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
Caledonia	377	400	413	3.2	13,664	14,316	14,702	12
Chittenden	2,496	2,682	2,743	2.3	19,155	20,271	20,661	1
Essex	72	75	76	1.1	11,306	11,724	11,854	14
Franklin	568	604	622	2.9	14,372	15,051	15,288	11
Grand Isle	91	97	102	4.8	17,253	18,196	18,392	5
Lamoille	313	338	350	3.6	16,087	17,035	17,218	8
Orange	398	413	423	2.5	15,432	15,706	15,999	10
Orleans	313	333	342	2.8	13,037	13,829	14,102	13
Rutland	1,030	1,076	1,100	2.3	16,711	17,262	17,625	7
Washington	911	954	970	1.6	16,689	17,328	17,652	6
Windham	725	762	778	2.1	17,597	18,266	18,824	3
Windsor	961	994	1,005	1.1	17,880	18,342	18,509	4
Virginia	**115,544**	**122,260**	**125,896**	**3.0**	**18,879**	**19,679**	**20,046**	.....
Metropolitan portion	**95,519**	**100,992**	**104,072**	**3.0**	**20,289**	**21,050**	**21,448**	.....
Nonmetropolitan portion	**20,025**	**21,269**	**21,825**	**2.6**	**14,179**	**15,029**	**15,283**	.....
Accomack	445	461	466	1.0	14,026	14,538	14,548	79
Amelia	128	136	139	2.3	14,644	15,436	15,452	60
Amherst	338	356	367	3.1	11,832	12,454	12,720	101
Appomattox	170	179	184	2.7	13,832	14,584	14,709	77
Arlington	4,971	5,056	5,166	2.2	29,178	29,540	30,038	2
Bath	84	86	89	3.2	17,193	18,010	18,648	24
Bland	73	81	81	.3	11,275	12,342	12,534	102
Botetourt	414	442	453	2.5	16,663	17,630	17,757	34
Brunswick	190	204	209	2.3	11,842	12,755	12,982	98
Buchanan	411	442	449	1.6	12,910	14,183	14,530	80
Buckingham	158	165	170	3.3	12,346	12,759	13,042	96
Caroline	301	316	326	3.1	15,764	16,415	16,465	49
Charles City	111	112	113	.8	17,705	17,773	17,998	30
Charlotte	146	154	159	3.0	12,518	13,183	13,379	93
Chesterfield	3,941	4,264	4,379	2.7	19,349	20,181	20,153	18
Clarke	264	277	283	2.1	22,242	22,702	23,508	9
Craig	55	57	59	4.8	12,642	12,918	13,030	97
Culpeper	461	505	522	3.3	16,915	18,044	18,280	26
Cumberland	106	110	114	4.1	13,494	14,021	14,518	81
Dickenson	215	229	240	4.6	11,985	13,067	13,435	91
Essex	133	143	146	2.0	15,325	16,477	16,559	47
Fauquier	1,131	1,219	1,256	3.1	23,795	24,786	25,347	5
Floyd	167	172	177	2.8	13,979	14,316	14,513	82
Fluvanna	173	190	203	6.7	14,132	15,226	15,152	66
Franklin	541	583	611	4.7	13,774	14,714	15,040	68
Giles	225	240	246	2.6	13,664	14,709	15,029	69
Gloucester	447	475	494	4.2	15,127	15,640	16,104	53
Goochland	321	345	352	2.2	23,114	24,159	24,161	6
Grayson	195	204	206	1.0	11,931	12,563	12,860	100
Greene	131	141	148	4.9	13,014	13,593	13,598	89
Hanover	1,303	1,380	1,415	2.5	21,103	21,609	21,598	11
Henrico	4,971	5,250	5,303	1.0	23,213	23,948	24,057	7
Highland	31	34	35	2.2	11,531	13,039	13,427	92
Isle of Wight	422	440	460	4.6	17,075	17,484	17,877	33
King and Queen	94	97	98	.6	14,778	15,494	15,513	59
King George	223	267	281	5.3	16,768	19,594	20,067	19
King William	184	193	203	5.2	17,018	17,607	18,117	28
Lancaster	232	242	248	2.5	21,312	22,186	22,635	10
Lee	258	274	286	4.5	10,403	11,225	11,715	105
Loudoun	2,120	2,279	2,362	3.7	25,423	26,154	26,398	4
Louisa	294	303	313	3.2	14,653	14,854	14,958	71
Lunenberg	131	138	138	9.9	11,360	12,146	11,999	104
Madison	164	170	171	.6	13,905	14,183	14,168	85
Mathews	143	155	160	3.1	17,011	18,599	19,053	22
Mecklenburg	389	412	421	2.2	13,275	14,089	14,284	84
Middlesex	149	155	162	4.2	17,266	17,938	18,332	25
Nelson	182	198	210	5.9	14,325	15,472	16,080	54
New Kent	206	220	227	3.5	20,027	20,896	20,908	15
Northampton	181	188	191	1.5	13,615	14,500	14,662	78
Northumberland	174	190	194	1.9	16,551	18,028	17,992	31
Nottoway	204	220	225	2.5	13,574	14,641	14,902	73
Orange	356	378	383	1.5	16,863	17,531	17,388	36
Page	325	335	351	4.7	15,116	15,388	15,969	55
Patrick	251	263	269	2.1	14,326	15,049	15,363	61
Powhatan	255	275	284	3.4	16,981	17,782	17,679	35
Prince Edward	196	222	230	3.3	11,292	12,826	13,077	95
Pulaski	449	474	480	1.2	13,039	13,740	13,965	86
Rappahannock	131	135	139	3.0	20,003	20,335	20,974	14
Richmond	107	111	110	-.8	14,678	15,204	15,142	67
Russell	348	372	384	3.0	12,019	13,025	13,296	94
Scott	260	275	283	3.0	11,092	11,885	12,262	103
Shenandoah	533	558	574	2.9	17,105	17,548	17,905	32
Smyth	430	465	486	4.5	13,246	14,383	14,943	72
Stafford	1,241	1,291	1,387	7.4	20,980	20,812	20,977	13
Surry	104	116	117	1.6	16,988	18,797	18,931	23
Sussex	140	150	152	1.1	13,663	14,612	14,806	75
Tazewell	619	679	709	4.3	13,309	14,836	15,161	65
Warren	407	417	438	5.2	15,853	15,843	16,218	52
Westmoreland	251	266	276	4.0	16,427	17,080	17,378	37
Wythe	344	381	393	3.2	13,532	14,935	15,288	62
Independent Cities:								
Alexandria	3,411	3,561	3,672	3.1	30,812	31,976	32,409	1
Chesapeake	2,381	2,571	2,741	6.6	16,035	16,775	17,271	39
Hampton	1,881	1,931	2,033	5.3	14,184	14,388	14,975	70
Newport News	2,494	2,602	2,742	5.4	14,774	15,260	15,784	56
Norfolk	4,079	4,177	4,291	2.7	15,523	16,017	16,811	42
Portsmouth	1,473	1,501	1,582	5.4	14,083	14,480	15,243	63
Richmond	4,501	4,783	4,863	1.7	21,993	23,610	23,883	8
Roanoke	1,699	1,849	1,896	2.5	17,472	19,238	19,501	21
Suffolk	813	881	911	3.5	15,683	16,862	17,310	38
Virginia Beach	6,557	6,978	7,264	4.1	17,146	17,578	18,085	29
Combination Areas:[5]								
Albemarle + Charlottesville	2,067	2,178	2,219	1.9	19,208	20,048	20,303	17
Alleghany, Clifton Frg. + Covington	343	359	369	2.8	13,574	14,530	14,895	74
Augusta, Staunton + Waynesboro	1,496	1,610	1,623	.8	15,414	16,444	16,417	50
Bedford + Bedford City	793	861	883	2.5	15,605	16,545	16,578	46
Campbell + Lynchburg	1,818	1,885	1,921	1.9	15,964	16,602	16,750	43
Carroll + Galax	398	420	433	3.2	11,956	12,613	12,902	99
Dinwiddie, Col. Hts. + Petersburg	1,152	1,215	1,247	2.7	15,314	16,092	16,330	51
Fairfax, Fairfax City + Falls Church	23,255	24,724	25,364	2.6	28,060	28,928	29,554	3
Frederick + Winchester	1,069	1,147	1,183	3.1	16,124	16,835	17,049	40
Greensville + Emporia	200	220	238	8.2	13,832	15,614	16,520	48
Halifax + South Boston	487	510	520	1.9	13,454	14,184	14,414	83
Henry + Martinsville	1,175	1,210	1,225	1.2	16,095	16,541	16,748	44
James City + Williamsburg	754	832	872	4.9	16,756	17,733	18,209	27
Montgomery + Radford	1,140	1,199	1,209	.9	12,798	13,299	13,481	90
Pittsylvania + Danville	1,568	1,622	1,663	2.5	14,175	14,989	15,221	64
Prince George + Hopewell	629	685	692	1.1	12,427	13,569	13,741	87
Pr. William, Manassas + Manassas Park	4,844	5,119	5,293	3.4	19,991	20,207	20,599	16
Roanoke + Salem	1,931	2,028	2,053	1.2	18,808	19,643	19,745	20
Rockbridge, Buena Vista + Lexington	428	464	474	2.3	13,482	14,624	14,778	76
Rockingham + Harrisonburg	1,345	1,434	1,490	4.0	15,375	16,208	16,626	45
Southampton + Franklin	316	346	353	2.0	12,404	13,597	13,682	88
Spotsylvania + Fredricksburg	1,211	1,287	1,342	4.3	16,365	16,650	16,981	41
Washington + Bristol	920	979	1,009	3.0	14,275	15,237	15,556	58
Wise + Norton	637	668	691	3.3	14,334	15,317	15,668	57
York + Poquoson	1,035	1,111	1,181	6.3	19,678	20,681	21,090	12
Washington	**83,878**	**91,992**	**97,840**	**6.4**	**17,672**	**18,738**	**19,521**	.....
Metropolitan portion	**71,860**	**78,991**	**84,032**	**6.4**	**18,286**	**19,388**	**20,216**	.....
Nonmetropolitan portion	**12,019**	**13,001**	**13,808**	**6.2**	**14,718**	**15,568**	**16,143**	.....
Adams	212	240	234	-2.6	15,712	17,586	16,643	18
Asotin	243	265	285	7.3	14,015	14,989	15,729	27
Benton	1,773	1,924	2,097	9.0	15,949	17,025	18,038	6
Chelan	819	879	950	8.0	15,908	16,737	17,857	8
Clallam	864	939	990	5.4	15,622	16,515	16,957	14
Clark	3,718	4,034	4,345	7.7	16,103	16,768	17,236	11
Columbia	63	64	63	-2.2	15,654	15,970	16,261	20
Cowlitz	1,238	1,329	1,420	6.8	15,337	16,096	16,824	16
Douglas	375	403	444	10.2	14,648	15,261	15,950	26
Ferry	69	76	81	6.4	11,141	12,048	12,414	39
Franklin	517	558	607	8.7	13,865	14,867	15,477	29
Garfield	44	48	47	-2.2	19,598	21,208	20,941	3
Grant	721	791	846	7.0	13,368	14,369	14,800	34
Grays Harbor	930	982	1,038	5.7	14,655	15,238	16,048	23
Island	865	947	1,005	6.1	14,913	15,535	16,002	24
Jefferson	306	340	364	7.1	15,622	16,715	17,099	13
King	32,836	36,017	37,921	5.3	22,384	23,671	24,837	1
Kitsap	2,944	3,233	3,516	8.7	16,007	16,859	17,488	9
Kittitas	368	395	416	5.4	14,037	14,687	15,029	32
Klickitat	221	247	254	2.9	13,465	14,778	15,163	31
Lewis	817	884	933	5.5	13,996	14,814	15,305	30
Lincoln	153	168	168	-.2	17,135	18,996	18,686	5
Mason	513	549	595	8.4	13,751	14,181	14,655	35
Okanogan	493	507	544	7.4	15,024	15,114	16,186	22
Pacific	266	286	306	7.0	14,365	15,041	15,990	25
Pend Oreille	106	116	126	8.5	11,958	13,012	13,768	37
Pierce	8,865	9,794	10,402	6.2	15,540	16,551	17,184	12
San Juan	207	229	247	7.7	21,329	22,576	23,191	2
Skagit	1,221	1,359	1,454	7.0	15,796	16,911	17,384	10
Skamania	108	114	122	6.9	13,246	13,716	14,351	36
Snohomish	7,838	8,799	9,411	7.0	17,481	18,648	19,510	4
Spokane	5,449	5,888	6,302	7.0	15,290	16,216	16,857	15
Stevens	376	399	429	7.4	12,322	12,831	13,445	38
Thurston	2,536	2,797	3,047	8.9	16,215	17,162	17,966	7
Wahkiakum	48	51	53	3.2	14,476	15,289	15,522	28
Walla Walla	715	773	814	5.3	14,897	15,916	16,417	19
Whatcom	1,855	2,090	2,227	6.5	14,912	16,207	16,754	17
Whitman	522	566	586	3.6	13,463	14,603	15,000	33
Yakima	2,665	2,908	3,152	8.4	14,360	15,306	16,210	21

See footnotes at end of table.

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1989–91—Continued

Area name	Total personal income: Millions of dollars 1989	1990	1991	Percent change[2] 1990–91	Per capita personal income[3]: Dollars 1989	1990	1991	Rank in State 1991
West Virginia	**22,985**	**24,564**	**25,808**	**5.1**	**12,723**	**13,722**	**14,315**	.....
Metropolitan portion	**10,769**	**11,506**	**12,038**	**4.6**	**14,325**	**15,396**	**15,970**	.....
Nonmetropolitan portion	**12,216**	**13,058**	**13,770**	**5.5**	**11,581**	**12,523**	**13,126**	.....
Barbour	149	153	162	5.8	9,383	9,776	10,321	47
Berkeley	748	813	878	8.0	12,903	13,606	14,303	14
Boone	350	378	403	6.5	13,294	14,690	15,394	8
Braxton	152	161	165	2.3	11,576	12,409	12,567	31
Brooke	333	358	367	2.4	12,184	13,320	13,622	22
Cabell	1,411	1,500	1,571	4.7	14,420	15,540	16,214	5
Calhoun	67	70	74	5.6	8,493	8,864	9,403	53
Clay	81	86	91	5.7	8,026	8,640	9,102	55
Doddridge	66	71	73	2.3	9,248	10,239	10,280	48
Fayette	504	530	567	6.9	10,300	11,118	11,803	40
Gilmer	73	77	82	6.5	9,296	10,080	10,838	42
Grant	127	145	154	6.2	12,388	13,846	14,653	11
Greenbrier	429	461	492	6.7	12,141	13,359	14,031	17
Hampshire	191	203	218	7.3	11,658	12,300	12,777	29
Hancock	562	583	597	2.5	15,659	16,626	16,953	3
Hardy	139	151	159	5.2	12,832	13,660	14,265	15
Harrison	943	989	1,044	5.6	13,492	14,292	14,987	9
Jackson	281	297	309	4.2	10,803	11,447	11,914	38
Jefferson	487	518	530	2.4	13,766	14,337	14,446	13
Kanawha	3,313	3,563	3,753	5.3	15,816	17,203	17,927	2
Lewis	186	198	209	5.5	10,655	11,545	12,160	35
Lincoln	188	201	211	4.7	8,847	9,387	9,803	52
Logan	522	570	602	5.7	11,951	13,297	13,961	18
McDowell	332	356	368	3.2	9,073	10,230	10,632	44
Marion	747	807	847	4.9	12,885	14,148	14,738	10
Marshall	460	487	498	2.3	12,237	13,061	13,466	25
Mason	275	304	313	3.0	10,881	12,087	12,467	32
Mercer	916	979	1,032	5.4	13,989	15,103	15,908	6
Mineral	321	345	360	4.4	11,978	12,922	13,442	26
Mingo	401	432	456	5.5	11,756	12,848	13,477	24
Monongalia	1,043	1,146	1,217	6.2	13,817	15,173	15,900	7
Monroe	135	146	150	2.6	10,925	11,775	12,020	36
Morgan	151	159	169	5.8	12,829	13,008	13,586	23
Nicholas	303	318	331	4.3	11,213	11,891	12,381	33
Ohio	862	904	924	2.3	16,714	17,844	18,337	1
Pendleton	87	96	103	7.1	10,901	11,893	12,764	30
Pleasants	92	98	105	7.2	12,125	13,025	13,743	21
Pocahontas	111	116	123	6.1	12,219	12,912	13,761	20
Preston	281	297	309	3.9	9,632	10,253	10,581	46
Putnam	549	599	644	7.6	12,878	13,950	14,576	12
Raleigh	955	1,009	1,072	6.3	12,263	13,190	13,909	19
Randolph	321	345	370	7.2	11,554	12,402	13,113	27
Ritchie	109	115	121	5.3	10,567	11,264	11,881	39
Roane	142	147	156	6.0	9,363	9,721	10,275	49
Summers	123	129	140	8.6	8,633	9,073	9,882	51
Taylor	146	154	163	5.7	9,556	10,224	10,750	43
Tucker	88	94	100	6.8	11,267	12,209	12,974	28
Tyler	114	119	122	2.4	11,450	12,173	12,373	34
Upshur	230	246	255	3.9	9,977	10,777	11,068	41
Wayne	456	483	501	3.6	10,862	11,631	11,952	37
Webster	99	102	106	3.9	9,081	9,569	10,093	50
Wetzel	243	259	274	5.6	12,432	13,518	14,253	16
Wirt	45	47	48	3.3	8,865	8,897	9,142	54
Wood	1,268	1,353	1,414	4.5	14,510	15,594	16,247	4
Wyoming	279	295	306	3.8	9,421	10,251	10,591	45
Wisconsin	**80,298**	**85,632**	**88,799**	**3.7**	**16,534**	**17,455**	**17,919**	.....
Metropolitan portion	**58,119**	**62,092**	**64,452**	**3.8**	**17,587**	**18,581**	**19,092**	.....
Nonmetropolitan portion	**22,179**	**23,540**	**24,348**	**3.4**	**14,290**	**15,049**	**15,411**	.....
Adams	168	162	169	4.3	10,853	10,295	10,517	71
Ashland	209	221	237	7.0	12,853	13,550	14,517	48
Barron	559	602	630	4.7	13,837	14,722	15,289	41
Bayfield	170	179	184	2.9	12,159	12,770	13,025	63
Brown	3,294	3,562	3,740	5.0	17,111	18,230	18,837	8
Buffalo	198	212	214	.9	14,589	15,638	15,775	33
Burnett	155	164	169	3.0	11,904	12,483	12,799	66
Calumet	538	544	555	2.1	15,686	15,842	15,905	30
Chippewa	759	793	817	3.1	14,548	15,115	15,423	39
Clark	398	414	411	-.5	12,583	13,057	12,810	65
Columbia	682	736	764	3.9	15,241	16,261	16,579	22
Crawford	194	207	214	3.3	12,187	12,969	13,278	59
Dane	6,733	7,359	7,750	5.3	18,580	19,950	20,629	3
Dodge	1,083	1,168	1,199	2.6	14,239	15,213	15,469	36
Door	419	440	446	1.3	16,399	17,105	17,349	18
Douglas	578	614	674	9.8	13,861	14,694	15,946	29
Dunn	434	458	466	1.6	12,181	12,722	12,836	64
Eau Claire	1,224	1,312	1,368	4.3	14,487	15,350	15,865	31
Florence	54	58	59	.4	11,796	12,640	12,163	69
Fond du Lac	1,437	1,521	1,582	4.0	16,012	16,859	17,383	16
Forest	90	96	101	4.4	10,244	10,979	11,283	70
Grant	701	753	777	3.2	14,229	15,271	15,811	32
Green	524	551	557	1.2	17,381	18,114	18,115	11
Green Lake	270	281	292	3.8	14,522	15,036	15,457	37
Iowa	288	305	314	3.1	14,323	15,099	15,441	38
Iron	70	74	89	19.3	11,426	12,071	14,266	52
Jackson	224	226	230	2.0	13,537	13,584	13,730	56
Jefferson	1,047	1,117	1,143	2.3	15,534	16,440	16,700	21
Juneau	285	304	319	5.0	13,259	13,984	14,381	49
Kenosha	2,128	2,246	2,315	3.1	16,771	17,452	17,560	14
Kewaunee	286	299	303	1.4	15,177	15,811	15,974	28
La Crosse	1,539	1,658	1,725	4.0	15,860	16,876	17,520	15
Lafayette	245	252	253	.2	15,158	15,700	15,737	34
Langlade	262	268	270	.9	13,463	13,714	13,648	58
Lincoln	361	393	411	4.5	13,436	14,541	14,929	44
Manitowoc	1,200	1,275	1,336	4.8	14,911	15,851	16,484	23
Marathon	1,731	1,862	1,923	3.3	15,098	16,094	16,471	24
Marinette	550	584	607	3.9	13,678	14,360	14,821	46
Marquette	165	173	181	4.7	13,519	13,957	14,325	51
Milwaukee	16,736	17,613	18,135	3.0	17,515	18,328	18,917	5
Monroe	450	471	490	3.8	12,369	12,832	13,131	60
Oconto	390	408	417	2.4	13,021	13,451	13,737	55
Oneida	460	499	533	6.9	14,619	15,705	16,436	26
Outagamie	2,213	2,383	2,494	4.7	15,938	16,884	17,568	13
Ozaukee	1,695	1,845	1,906	3.3	23,580	25,212	25,618	1
Pepin	99	105	106	.6	14,012	14,737	14,825	45
Pierce	516	544	561	3.1	15,845	16,564	16,895	20
Polk	469	492	508	3.1	13,613	14,105	14,376	50
Portage	883	948	980	3.3	14,534	15,384	15,676	35
Price	220	228	237	4.0	14,123	14,614	15,102	42
Racine	3,026	3,235	3,362	3.9	17,381	18,442	18,894	6
Richland	207	225	230	2.5	11,861	12,785	13,066	61
Rock	2,150	2,299	2,326	1.2	15,451	16,454	16,461	25
Rusk	174	180	190	5.7	11,576	11,906	12,501	68
St. Croix	867	936	969	3.4	17,559	18,511	18,877	7
Sauk	721	785	811	3.4	15,489	16,640	17,013	19
Sawyer	163	178	190	7.0	11,625	12,474	13,043	62
Sheboygan	1,782	1,863	1,918	2.9	17,247	17,898	18,365	9
Taylor	265	262	262	-.3	14,083	13,848	13,791	53
Trempealeau	350	373	382	2.4	13,895	14,734	14,980	43
Vernon	333	347	356	2.7	13,039	13,518	13,718	57
Vilas	237	254	267	5.0	13,524	14,304	14,719	47
Walworth	1,184	1,271	1,326	4.4	15,951	16,879	17,355	17
Washburn	170	180	192	7.0	12,434	13,008	13,766	54
Washington	1,751	1,865	1,946	4.4	18,641	19,454	19,734	4
Waukesha	6,567	7,094	7,380	4.0	21,841	23,166	23,565	2
Waupaca	674	722	753	4.2	14,763	15,604	16,021	27
Waushara	277	296	303	2.4	14,402	15,236	15,409	40
Winnebago	2,294	2,465	2,586	4.9	16,475	17,512	18,084	12
Wood	1,237	1,316	1,365	3.7	16,876	17,839	18,340	10
Shawano (incl. Menominee)	486	509	525	3.3	11,928	12,360	12,704	67
Wyoming	**6,920**	**7,447**	**7,797**	**4.7**	**15,096**	**16,467**	**16,968**	.....
Metropolitan portion	**2,176**	**2,359**	**2,453**	**4.0**	**16,061**	**17,598**	**18,028**	.....
Nonmetropolitan portion	**4,743**	**5,087**	**5,344**	**5.0**	**14,691**	**15,990**	**16,521**	.....
Albany	399	427	444	4.0	13,006	13,848	14,440	18
Big Horn	129	144	153	6.0	12,063	13,783	14,410	19
Campbell	500	541	572	5.7	16,752	18,496	19,078	3
Carbon	251	270	281	4.0	14,711	16,313	17,128	8
Converse	157	159	167	5.0	13,658	14,440	14,895	17
Crook	80	85	90	5.6	15,001	16,167	16,986	10
Fremont	400	432	460	6.3	11,755	12,878	13,339	22
Goshen	154	164	178	8.9	12,425	13,211	14,329	20
Hot Springs	74	77	79	2.4	15,091	16,086	16,674	12
Johnson	90	97	102	5.9	14,465	15,774	16,457	13
Laramie	1,168	1,248	1,307	4.7	16,023	17,043	17,664	7
Lincoln	161	172	181	5.4	12,546	13,701	14,023	21
Natrona	1,008	1,111	1,146	3.2	16,105	18,265	18,461	5
Niobrara	40	43	48	11.4	15,526	17,288	19,666	2
Park	362	381	396	3.9	15,591	16,439	16,987	9
Platte	114	122	126	3.1	13,630	15,142	15,395	15
Sheridan	395	421	437	3.9	16,635	17,917	18,525	4
Sublette	81	81	83	2.4	16,235	16,912	16,764	11
Sweetwater	626	679	722	6.4	15,827	17,581	18,066	6
Teton	293	335	340	1.5	26,617	29,812	28,718	1
Uinta	218	232	251	8.1	11,599	12,413	12,963	23
Washakie	120	129	136	5.6	13,995	15,441	16,382	14
Weston	100	97	98	1.3	15,146	14,949	15,070	16

1. The personal income level shown for the United States is derived as the sum of the county estimates; it differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad temporarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

2. Percent change was calculated from unrounded data.

3. Per capita personal income was computed using Bureau of the Census midyear population estimates. The year 1989 is revised as of January 1992 to reflect 1980 and 1990 Census population counts. The 1991 Census county population estimates have been adjusted by BEA to be consistent with 1991 Census State population estimates released in January 1993.

4. Denali and Lake + Peninsula Boroughs, AK begin in 1991.

5. Virginia combination areas consist of one or two independent cities with populations less than 100,000 combined with an adjacent county. The county name appears first, followed by the city name(s). Separate estimates for the jurisdictions making up the combined areas are not available.

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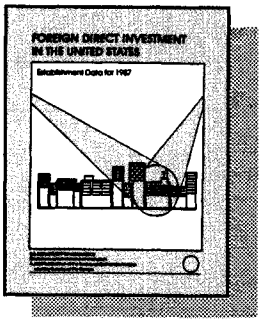
The new data in this volume were obtained by linking BEA company-level data on foreign direct investment with Census Bureau establishment-(plant-)level data for all U.S. companies. This initial link covered 1987 because that year is both agencies' latest census year, when reporting is the most complete.



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U.S. Affiliates of Foreign Companies: Operations in 1991

By Steve D. Bezirganian

James L. Bomkamp conducted the survey from which the estimates were derived. David Galler, with the assistance of Juris E. Abolins, coordinated the editing and processing of the forms. Angela Roberts, Arnold Gilbert, and D. Richard Mauery programmed the tables.

THE RATE of growth in most measures of the operations of U.S. affiliates of foreign companies slowed again in 1991 or turned negative, but the share of the U.S. economy accounted for by affiliate operations was up slightly, according to preliminary results of BEA's latest annual survey of foreign direct investment in the United States (FDIUS).[1]

Largely reflecting a falloff in new investments, employment growth for U.S. affiliates of foreign companies slowed to 2 percent in 1991 from a 5-percent increase in 1990 (table 1). Sales decreased slightly after an 11-percent increase; the largest sales declines were in wholesale trade and in petroleum. The gross product of U.S. affiliates increased 6 percent after increasing 8 percent. Net income decreased $6.2 billion—from a loss of $4.5 billion to a loss of $10.7 billion; most of the decrease was accounted for by petroleum and manufacturing affiliates. In contrast, the total assets of U.S. affiliates grew faster in 1991; the pickup, from an 8-percent increase to a 12-percent increase, was partly traceable to a single large acquisition.[2]

1. A U.S. affiliate is a U.S. business enterprise in which there is foreign direct investment—that is, in which a single foreign person owns or controls, directly or indirectly, 10 percent or more of the voting securities of an incorporated U.S. business enterprise or an equivalent interest in an unincorporated U.S. business enterprise. An affiliate is called a U.S. affiliate to denote that it is located in the United States; in this article, "affiliate" and "U.S. affiliate" are used interchangeably. "Person" is broadly defined to include any individual, corporation, branch, partnership, associated group, association, estate, trust, or other organization and any government (including any corporation, institution, or other entity or instrumentality of a government).

2. These estimates of total assets include all assets of affiliates, irrespective of the share of total assets that was financed by foreign direct investors. The estimates are available only on a book-value, or historical-cost, basis.

BEA provides another direct investment measure—the foreign direct investment position in the United States—that represents the net financing of affiliates supplied by foreign parent companies. Estimates of the position, unlike those of assets, are valued in current-period prices, as well as at historical cost. The most recent estimates of the position are presented in "The International Investment Position of the United States in 1991," SURVEY OF CURRENT BUSINESS 72 (June 1992): 46–59; those estimates will be updated in the June 1993 SURVEY.

Table 1.—Selected Data of Nonbank U.S. Affiliates of Foreign Direct Investors, 1977–91

	Millions of dollars					Thousands of employees	Millions of dollars						
	Total assets	Sales	Gross product	Net income	Employee compensation		Gross property, plant, and equipment	Expenditures for new plant and equipment	Research and development expenditures	U.S. merchandise exports shipped by affiliates: Total	U.S. merchandise exports shipped by affiliates: Of which: To the foreign parent group	U.S. merchandise imports shipped to affiliates: Total	U.S. merchandise imports shipped to affiliates: Of which: From the foreign parent group
1977	143,488	193,991	35,222	3,966	18,781	1,218.7	66,785	7,558	933	24,858	11,691	43,896	30,878
1978	181,187	241,543	42,920	4,843	24,225	1,429.9	80,683	9,318	1,230	32,169	16,570	56,567	39,466
1979	228,556	327,870	55,424	7,301	31,686	1,753.2	101,209	11,150	1,584	44,341	22,073	63,039	45,295
1980	291,339	412,390	70,906	8,759	40,047	2,033.9	127,838	16,891	1,946	52,199	20,983	75,803	47,010
1981	406,985	510,218	98,828	11,234	54,798	2,416.6	187,956	26,716	3,110	64,066	26,911	82,259	52,196
1982	476,439	518,087	103,489	3,830	61,487	2,448.1	225,235	28,068	3,744	60,236	25,024	84,290	51,915
1983	531,738	536,640	111,490	5,584	66,807	2,546.5	244,012	23,179	4,164	53,854	22,577	81,464	54,802
1984	602,522	593,571	128,761	9,605	73,155	2,714.3	269,462	25,225	4,738	58,186	27,072	100,489	70,451
1985	741,077	632,983	134,852	5,398	79,933	2,862.2	295,181	28,919	5,240	56,401	25,900	113,331	81,740
1986	838,039	672,004	142,120	2,458	86,492	2,937.9	320,215	28,516	5,804	49,560	21,873	125,732	93,418
1987	943,654	744,617	157,869	7,820	96,009	3,224.3	353,278	33,035	6,521	48,091	19,109	143,537	108,201
1988	1,200,823	886,407	191,728	12,049	119,588	3,844.2	418,069	44,322	7,834	69,541	26,425	155,533	118,362
1989	1,431,315	1,056,645	226,031	9,286	144,158	4,511.5	489,461	55,164	9,465	86,316	34,276	171,847	129,926
1990 r	1,550,238	1,175,857	243,227	−4,535	163,592	4,734.5	578,355	69,580	11,522	92,308	37,764	182,936	137,458
1991 p	1,743,762	1,174,069	258,370	−10,743	173,911	4,809.2	634,688	67,541	11,772	98,369	41,587	179,694	133,096
Percent change at annual rates:													
1977–89	21	15	17	7	19	12	18	18	21	11	9	12	13
1989–90	8	11	8	.....	13	5	18	26	22	7	10	6	6
1990–91	12	(*)	6	.....	6	2	10	−3	2	7	10	−2	−3

* Between zero and −0.5 percent.
r Revised.
p Preliminary.

Despite the generally slower growth in affiliate operations in 1991 than in 1990, U.S. affiliates' share of the U.S. economy—whether measured in terms of gross product, employment, or assets—was up slightly. In terms of gross product, the affiliates' share of the gross domestic product of all nonbank U.S. businesses rose from 5.8 percent to 6.0 percent. In terms of employment, the affiliates' share of the employment of all nonbank U.S. businesses rose from 5.0 percent to 5.2 percent.[3] In terms of assets, U.S. manufacturing affiliates' share of the book value of all U.S.-manufacturing-business assets rose from 18.9 percent to 19.2 percent.

This article first briefly discusses several characteristics of U.S. affiliates in terms of the latest survey results. It then discusses changes in affiliate employment, shares of the U.S. economy accounted for by affiliates, and estimates for majority-owned U.S. affiliates. In the discussion, information from outside sources, including press reports on specific companies, is used to supplement BEA's survey data.

Characteristics of U.S. Affiliates

The overall profile of affiliate operations in 1991 was similar to that in other recent years in terms of profitability, share of investment in "high-technology" industries, share of U.S. merchandise trade, and compensation per employee.

Profitability.—Profitability of U.S. affiliates—as measured by the share of gross product accounted for by profit-type return—continued to fall far short of that of all U.S. businesses in 1991. By this measure, the profitability of U.S. affiliates was −1.1 percent in 1991, down from −0.1 percent in 1990.[4] Before turning negative in 1990, the share of profit-type return in affiliate gross product had fallen steadily from 13 percent in 1984 to 4 percent in 1989. In comparison, the share of gross domestic product of U.S. corporate business accounted for by corporate profits fluctuated rather narrowly around 10 percent over the entire period 1984–91.

The lower profitability of FDIUS in recent years may partly reflect the relative newness of much FDIUS; because of start-up and restructuring costs, new investments typically have lower rates of return than more mature investments. In addition, foreign investors may have been more concerned with maximizing long-term, rather than short-term, profits; many recent investments consisted of acquisitions of financially distressed U.S. companies, which foreign investors presumably hoped to restore to profitability. Finally, foreign investors may have been more interested in maximizing global profits rather than the profits of their U.S. operations alone; their focus on such factors as economies of scale and the advantages of vertical integration, expansion of market share, avoidance of tariff and nontariff barriers to trade, and tax considerations may have held down profits on their U.S. operations.[5]

Technology.—Affiliates in what might be described as "high-technology" manufacturing industries accounted for less than two-fifths of the output of all manufacturing affiliates in 1991. Their share, at 37 percent, was up slightly from 36 percent in 1990.[6] From 1980 to 1991, the annual rate of growth in the gross product of U.S. affiliates in "high-technology" manufacturing industries was 16 percent, considerably higher than the 9-percent growth rate by affiliates in all other manufacturing industries. (The difference in the rates tended to be greater during the earlier years of this period.)

Merchandise trade.—In 1991, the merchandise trade deficit of affiliates exceeded the overall U.S. trade deficit; however, at $81.3 billion, the 1991 deficit of affiliates was in line with the levels of recent years, and it continued to be dominated by a deficit for wholesale trade affiliates, which in 1991 totaled $60.1 billion.

Over the years, many foreign companies (particularly from Japan) have established wholesale

3. The comparable figures for majority-owned U.S. affiliates, which account for most U.S. affiliates, are 4.0 percent of employment of all nonbank U.S. businesses in 1990 and 4.3 percent in 1991.

4. Table 14, at the end of the article, presents profit-type return and other components of affiliate gross product by industry for 1990–91. This table and tables 13.1 and 13.2, which present total gross product by industry cross-classified by country, update tables presented in "Gross Product of U.S. Affiliates of Foreign Direct Investors, 1987–90," SURVEY 72 (November 1992): 47–54.

5. For analysis of these and related issues, see "Rates of Return on Direct Investment," SURVEY OF CURRENT BUSINESS 72 (August 1992): 79–86.

6. These results, which are based on survey data at the enterprise—or company—level, are in line with results recently published at the establishment—or plant—level. In 1992, BEA and the Census Bureau published *Foreign Direct Investment in the United States: Establishment Data for 1987* (see inside back cover for order information), which contained results of a link between BEA's enterprise data for affiliates and the Census Bureau's establishment data for all U.S. companies; data in this publication showed that foreign-owned establishments in "high-technology" industries accounted for 29 percent of employment by all foreign-owned U.S. manufacturing establishments in 1987. Also in that year, foreign-owned establishments' share of total U.S. employment in high-technology industries averaged 12 percent, almost twice their 7-percent share in other manufacturing industries.

The industries were classified as "high-technology" according to the percentage of employees engaged in research and development activities. Summary information and analysis of the link project for 1987, including a detailed explanation of how industries were classified as "high technology," appeared in "Foreign Direct Investment in the United States: Establishment Data for 1987," SURVEY 72 (October 1992): 44–78. For further information about ongoing link projects, see the box on page 91 of this issue.

trade affiliates in the United States to handle the distribution and marketing of their products rather than exporting the goods directly to unaffiliated U.S. customers. This practice has been particularly prevalent in the wholesaling of motor vehicles and electrical goods. Although the level of exports shipped by wholesale trade affiliates has been substantial, it has been consistently much lower than the level of imports shipped to wholesale trade affiliates.

In considering the impact of FDIUS on merchandise trade flows, it should be noted that some affiliates may produce goods in the United States that otherwise would have been exported to the United States by their foreign parent companies. The extent of such substitution of domestic (U.S.) production for imports is unknown, but it may be growing over time: As foreign-owned businesses mature, they may tend to produce more of their own parts and components or rely more heavily upon domestic suppliers. BEA estimates that in 1991 roughly 85 percent of the value of sales by U.S. affiliates was accounted for by local content, up from roughly 81 percent in 1987.[7]

7. For a discussion of the methodology for using BEA's data on the operations of U.S. affiliates to estimate the local content of U.S. affiliates' sales, see "Gross Product of U.S. Affiliates of Foreign Companies, 1977–87," SURVEY 70 (June 1990): 52.

Employee compensation.—In 1991, affiliates' compensation per employee was $36,200, 26 percent higher than for all other nonbank U.S. businesses. This difference is consistent with establishment, or plant, data for earlier years, which indicated that foreign-owned establishments tend to be concentrated in high-wage industries to a greater degree than other U.S. establishments.[8] Variations in occupational mix, business location, and labor market conditions may also help explain some of the difference.

Employment in 1991

This section discusses affiliate operations in terms of employment. Because employment is not directly affected by inflation, it probably provides a more accurate indication of changes in the levels and shares of real economic activity than other available measures.

Employment by U.S. affiliates increased 75,000 in 1991, to 4,809,000, after increasing 223,000 in

8. In the BEA-Census Bureau link project for 1987 (see footnote 6), payroll per employee for foreign-owned establishments in all industries combined was $25,100, 29 percent higher than for U.S.-owned establishments; in manufacturing, it was $28,000, 12 percent higher than for U.S.-owned manufacturing establishments. (Large differences between payroll per employee of foreign-owned and U.S.-owned establishments were also observed in the results of a link between BEA and Bureau of Labor Statistics data for 1989 and 1990.) In analyzing the establishment data for 1987, which could be disaggregated by detailed industry level to control for industry mix, roughly two-thirds of the difference in payroll per employee in manufacturing was found to reflect a greater concentration of foreign-owned establishments in relatively high-wage industries.

Establishment Data for Manufacturing

Later this year, detailed establishment data on the manufacturing operations of U.S. affiliates of foreign companies will be published for 1989 and for 1990. The new data are the result of an ongoing project by BEA and the Bureau of the Census to link BEA's enterprise, or consolidated company, data for foreign-owned U.S. companies with the Census Bureau's establishment, or plant, data for all U.S. companies.

The new data will update and extend the initial results of the project, which covered all affiliates for 1987 and were published last year in *Foreign Direct Investment in the United States: Establishment Data for 1987* (U.S. Government Printing Office, June 1992). An article that includes summary data and analysis appeared in the October 1992 SURVEY OF CURRENT BUSINESS. The initial data link was for 1987 because that was a benchmark, or census, year for both the BEA data on direct investment and the Census Bureau data on all U.S. businesses. The 1987 data link covered establishments in all of the major industry divisions of the Standard Industrial Classification (SIC) and were classified into over 800 individual industries.

The forthcoming publications for 1989 and 1990 will present data on the manufacturing establishments of foreign-owned U.S. companies; the data are derived from a link to establishments covered by the Census Bureau's Annual Survey of Manufactures (ASM). In addition to the data items previously published for 1987 (number of establishments, employment, payroll, and shipments or sales), the publications will include data on most of the items covered by the ASM, such as value added, cost of materials, production worker hours and wages, capital expenditures, and inventories. The data will be presented by detailed manufacturing industry (at the four-digit SIC level), by State, and by country of ultimate beneficial owner.

The establishment data from the link project complement the enterprise data for foreign-owned U.S. companies that are presented in the accompanying article. The enterprise data are used for analyzing the overall significance of, and trends in, foreign direct investment and for examining issues—such as the profitability or taxation of foreign-owned U.S. companies—for which data are available only at the enterprise level.

The establishment data facilitate analyses of the activities and importance of foreign-owned U.S. companies in specific, detailed industries. Whereas the enterprise data classify each company, which may be highly diversified, in a single industry, the establishment data permit each plant or location of a company to be classified separately. Furthermore, the level of industry classification can be much more detailed for individual establishments than is appropriate for consolidated enterprises, whose operations may span many narrowly defined industries. As a result, foreign-owned establishments can be classified into 459 manufacturing industries, whereas foreign-owned enterprises can be classified into only 55 manufacturing industries.

1990. The primary factor behind the slowdown in employment growth was a drop in acquisition and establishment activity, as the weakening U.S. economy helped make new investments less attractive and more difficult to finance.[9] Affiliates making new investments (but not also selling or liquidating a business) added 237,000 employees, down from 482,000 added in 1990 (table 2). The increase in employment due to expansions of existing operations, at 97,000, was also smaller than in 1990. These increases in employment were largely offset by sizable decreases in employment due to sales and liquidations of businesses (127,000) and to cutbacks in existing operations (140,000). The decreases partly reflected foreign companies' responses to weakened U.S. demand.

By industry

By industry of affiliate, the largest increases in employment were in retail trade (35,000), services (28,000), and insurance (27,000) (table 3); several industries posted small decreases. The increase in retail trade was more than accounted for by the acquisition of a convenience-store chain by two Japanese companies and by several acquisitions and expansions involving European-owned affiliates. The increase in services was largely due to increases by several European-owned affiliates. The increase in insurance was more than accounted for by a French company's acquisition of a stake in a large life insurance firm and several other acquisitions of smaller companies by European investors.

These changes in affiliate employment are based on data classified by industry of affiliate (see the upper third of table 3). For this classification, an affiliate's primary industry—that is, the industry that accounts for the largest portion of its sales—is determined, and all data are shown in that industry even if the affiliate also has activities in secondary industries. This classification is used in most of the tables in this article that present data by industry.

Sales and employment data are also classified by industry of sales (for the employment data, see the middle third of table 3). For this classification, an affiliate's sales and employment in secondary industries are shown in those industries rather than in the affiliate's primary industry.[10] Data classified by industry of sales are preferable for analyses of the various activities in which diversified affiliates are engaged. The pattern of change in employment by industry of sales may differ from the pattern by industry of affiliate because changes in employment in affiliates' secondary industries may not parallel changes in their primary industries. A change in an affiliate's industry classification may also cause these patterns to differ; when employment is classified by industry of affiliate, all employees are shifted from the old to the new industry, but when it is classified by industry of sales, changes in employment for an industry reflect only actual changes in affiliates' employment in that industry. Both of these factors tend to be particularly important for years in which foreign direct investors acquire many large, diversified U.S. firms.

9. For a more detailed discussion of new direct investment in the United States in 1991, see "U.S. Business Enterprises Acquired or Established by Foreign Direct Investors in 1991," SURVEY 72 (May 1992): 69–79.

Table 2.—Sources of Change in Affiliate Employment, 1989–91

[Number of employees]

Line		1989	1990	1991
1	**Change in total affiliate employment**	**667,269**	**222,991**	**74,763**
	Change in employment of large affiliates resulting from:			
2	New investments	596,638	481,574	237,459
3	Expansions of existing operations	125,066	107,892	97,295
4	Sales and liquidations of businesses	−123,217	−354,130	−127,306
5	Cutbacks in existing operations	−68,608	−126,502	−139,697
6	Combinations of new investments and sales or liquidations of businesses	76,719	−16,924	−15,182
7	**Change not accounted for in lines 2–6**	**60,671**	**131,081**	**22,194**

NOTE.—Lines 2–6 cover large affiliates with more than 500 employees. Coverage is limited to large affiliates because a substantial number of small affiliates changed their organizational structures, and in such cases, it is particularly difficult to determine the reasons for the changes.

All of the change in an affiliate's employment is shown on one line, even if the change was not entirely attributable to that factor, because it was impossible to disaggregate the change in an affiliate's employment by source of change.

Employment of new affiliates was classified in "new investments" and employment of affiliates that were liquidated or sold was classified in "sales and liquidations." For all other affiliates, classification depended on (1) whether the affiliate's employment increased or decreased, (2) whether the affiliate acquired another business during the year, or (3) whether the affiliate sold a business or business segment during the year.

Line 2 equals the sum of the yearend employment of affiliates that were acquired or established during the year plus the change in employment of existing affiliates that had an increase in employment and had acquired another U.S. business during the year.

Line 3 equals the change in employment of affiliates that did not acquire another U.S. business, but had an increase in employment.

Line 4 equals the employment at the end of the prior year of affiliates that were liquidated or sold during the year plus the change in employment of affiliates that had a decline in employment and sold a business or business segment during the year.

Line 5 equals the change in employment of affiliates that did not sell a business or business segment, but had a decline in employment.

Line 6 equals the change in employment of affiliates that both acquired and sold a business or business segment during the year.

Line 7 equals the change in employment of large affiliates not accounted for in lines 2–6 plus all changes in employment for affiliates with fewer than 500 employees.

10. Employment classified by industry of sales should generally approximate that classified by industry of establishment (plant), because an affiliate that has an establishment in an industry usually also has sales in that industry. However, if one establishment of an affiliate provides all of its output to another establishment of the affiliate, the affiliate will not have sales in the industry of the first establishment. For example, if an affiliate operates both a metal mine and a metal-manufacturing plant and if the entire output of the mine is used by the manufacturing plant, all of the affiliate's sales will be in metal manufacturing, and none in metal mining. When the mining employees are distributed by industry of sales, they are classified in manufacturing even though the industry of the establishment is mining.

The establishment-level data discussed in footnote 6 and in the box on page 91 show employment classified by industry of establishment, irrespective of whether the associated output is used by other establishments within the enterprise or is sold to outside firms or individuals.

By industry of sales, the largest increases in affiliate employment in 1991 were in services (37,000), retail trade (27,000), and insurance (23,000). A sizable share of the increase in services reflects expansions and acquisitions by affiliates of European or Canadian investors. The increases in retail trade and insurance largely reflect the acquisitions noted in the discussion of employment by industry of affiliate.

By country

By country of ultimate beneficial owner (UBO), the largest increases in employment by U.S. affiliates were attributable to UBO's in Japan (77,000) and France (25,000) (see the lower third of table 3).[11] For Japan, most of the increase

11. The UBO is that person, proceeding up a U.S. affiliate's ownership chain, beginning with and including the foreign parent, that is not owned more than 50 percent by another person. The foreign parent is the first foreign person in the affiliate's ownership chain. Unlike the foreign parent,

Table 3.—Employment by Nonbank U.S. Affiliates, by Industry of Affiliate, by Industry of Sales, and by Country of Ultimate Beneficial Owner, 1989–91

	Thousands of employees					Percent change	
	1989	1990 r	1991 p	Change 1990	Change 1991	1990	1991
All industries, all countries	**4,511.5**	**4,734.5**	**4,809.2**	**223.0**	**74.8**	**5**	**2**
By industry of affiliate							
Petroleum	135.8	149.4	142.0	13.5	–7.3	10	–5
Manufacturing	2,138.6	2,220.7	2,214.8	82.1	–5.9	4	(*)
Food and kindred products	251.3	247.3	241.7	–4.0	–5.7	–2	–2
Chemicals and allied products	437.1	512.5	497.7	75.4	–14.8	17	–3
Primary and fabricated metals	280.2	255.5	267.1	–24.8	11.7	–9	5
Machinery	511.8	509.1	501.0	–2.7	–8.1	–1	–2
Other manufacturing	658.1	696.4	707.3	38.3	11.0	6	2
Wholesale trade	398.7	429.9	429.8	31.2	–.1	8	(*)
Retail trade	803.9	744.7	780.1	–59.2	35.4	–7	5
Finance, except banking	94.9	53.8	58.7	–41.1	4.9	–43	9
Insurance	111.6	133.3	159.9	21.7	26.5	19	20
Real estate	38.1	43.3	41.9	5.2	–1.3	14	–3
Services	460.7	570.3	597.9	109.6	27.6	24	5
Other industries	329.1	389.0	384.0	59.8	–5.0	18	–1
By industry of sales							
Petroleum	126.7	131.4	128.2	4.7	–3.2	4	–2
Manufacturing	1,906.6	2,024.1	2,045.8	117.5	21.7	6	1
Food and kindred products	203.4	206.8	207.9	3.4	1.1	2	1
Chemicals and allied products	317.6	332.4	338.1	14.7	5.8	5	2
Primary and fabricated metals	197.3	213.0	215.7	15.7	2.7	8	1
Machinery	487.5	488.6	492.1	1.1	3.5	(*)	1
Other manufacturing	700.8	783.5	792.0	82.6	8.6	12	1
Wholesale trade	317.8	351.0	338.2	33.2	–12.8	10	–4
Retail trade	930.4	831.2	857.8	–99.2	26.6	–11	3
Finance, except banking	99.8	63.1	71.5	–36.7	8.4	–37	13
Insurance	121.5	127.2	150.2	5.7	23.0	5	18
Real estate	30.7	34.2	32.6	3.5	–1.6	12	–5
Services	528.5	659.8	696.9	131.3	37.1	25	6
Other industries	364.4	435.0	427.4	70.6	–7.6	19	–2
Unspecified [1]	85.1	77.6	60.7	–7.5	–16.8	–9	–22
By country							
Canada	721.4	739.1	717.7	17.7	–21.4	2	–3
Europe	2,711.1	2,894.6	2,943.6	183.5	49.0	7	2
Of which:							
France	270.4	338.9	363.7	68.6	24.8	25	7
Germany [2]	445.6	516.2	518.6	70.6	2.4	16	(*)
Netherlands	314.4	286.5	292.5	–27.9	6.0	–9	2
Switzerland	271.6	273.6	276.1	2.1	2.5	1	1
United Kingdom	1,021.5	1,050.9	1,060.8	29.4	9.9	3	1
Latin America and Other Western Hemisphere	227.7	134.5	131.0	–93.2	–3.5	–41	–3
Africa	17.4	17.1	15.0	–.3	–2.1	–2	–12
Middle East	39.2	25.3	27.2	–13.9	1.8	–35	7
Asia and Pacific	761.5	890.6	942.7	129.1	52.0	17	6
Of which:							
Australia	155.1	166.2	154.4	11.1	–11.8	7	–7
Japan	528.0	629.2	706.5	101.2	77.3	19	12
United States	33.1	33.1	32.1	.1	–1.0	(*)	–3

r Revised.
p Preliminary.
* Less than 0.5 percent (±).
1. In the breakdown of employment by industry of sales, U.S. affiliates that filed long forms in the annual surveys had to specify their eight largest sales categories, and U.S. affiliates that filed short forms had to specify their three largest sales categories. Employment in all unspecified industries combined are shown on this line.
2. The data for 1989 are only for the Federal Republic of Germany. The data for 1990–91 include data for the former German Democratic Republic (GDR). This change has no effect on the data because there were no U.S. affiliates of the former GDR prior to 1990.

was accounted for by the acquisition of the convenience-store chain and by other acquisitions. For France, the increase was more than accounted for by the acquisition of the stake in the large insurance company and the acquisitions of two manufacturers of electrical equipment.

the UBO of an affiliate may be located in the United States. The UBO of each U.S. affiliate is identified to ascertain the person that ultimately owns or controls and that, therefore, ultimately derives the benefits from owning or controlling the U.S. affiliate.

Table 4.—Employment by Nonbank U.S. Affiliates and All Nonbank U.S. Businesses, 1990 and 1991, by Industry

	Thousands of employees				U.S. affiliates as a percentage of all U.S. businesses	
	U.S. affiliates [1]		All U.S. businesses [2]			
	1990	1991	1990	1991	1990	1991
All industries [3]	**4,734**	**4,809**	**93,664**	**91,817**	**5.0**	**5.2**
Manufacturing [4]	2,114	2,136	19,279	18,535	11.0	11.5
Petroleum and coal products	90	90	155	158	([5])	([5])
Chemicals and allied products	332	338	1,092	1,083	30.4	31.2
Stone, clay, and glass products	110	101	561	524	19.6	19.3
Electric and electronic equipment	271	277	1,689	1,592	16.0	17.4
Primary metal industries	112	110	755	721	14.8	15.2
Rubber and plastics products	129	126	893	865	14.4	14.5
Instruments and related products	112	123	1,004	974	11.2	12.6
Food and kindred products	207	208	1,673	1,671	12.4	12.4
Machinery, except electrical	218	215	2,105	2,011	10.3	10.7
Fabricated metal products	101	106	1,430	1,359	7.1	7.8
Paper and allied products	50	51	701	690	7.1	7.3
Transportation equipment	132	138	2,004	1,890	6.6	7.3
Motor vechicles and equipment	90	92	824	786	11.0	11.8
Other	41	45	1,180	1,104	3.5	4.1
Printing and publishing	109	102	1,605	1,568	6.8	6.5
Textile mill products	37	39	703	674	5.3	5.8
Other	105	113	2,909	2,755	3.6	4.1
Apparel and other textile products	28	29	1,050	1,016	2.7	2.8
Lumber, wood, furniture, and fixtures	28	32	1,269	1,173	2.2	2.7
Other	49	52	590	566	8.3	9.2
Wholesale trade	355	342	6,305	6,156	5.6	5.6
Retail trade	848	873	20,354	19,961	4.2	4.4
Finance, except banking	63	72	1,563	1,541	4.0	4.6
Insurance	127	150	2,214	2,231	5.7	6.7
Real estate	34	33	1,460	1,445	2.3	2.3
Services [6]	660	697	28,779	28,794	2.3	2.4
Agriculture, forestry, and fishing	33	36	1,830	1,819	1.8	2.0
Mining	93	86	712	692	13.0	12.4
Construction	80	79	5,311	4,830	1.5	1.6
Transportation	221	217	3,598	3,561	6.1	6.1
Communication and public utilities	29	29	2,259	2,252	1.3	1.3
Unspecified [7]	78	61	n.a.	n.a.	n.a.	n.a.

n.a. Not applicable.

1. Classifed by industry of sales. In this table, petroleum is not shown as a separate major industry. Instead, in order to be consistent with the all-U.S.-business data, affiliate employment in the various petroleum subindustries is distributed among the other major industries. Thus, manufacturing includes petroleum and coal products, wholesale trade includes petroleum wholesale trade, retail trade includes gasoline service stations, and so on.

2. Classified by industry of establishment. These data are from table 6.4C of the "National Income and Product Accounts (NIPA) Tables" in the July 1992 SURVEY. The total is equal to employment in private industries less the employment of banks (which is not shown separately in table 6.4C) and private households. All-U.S.-business employment totals in this table differ from those shown in tables 5 and 6; the data in tables 5 and 6 are from BEA's Regional Economic Information System and are derived as the sum of the State estimates. The estimates in table 5, unlike those in this table, do not exclude bank employment. The estimates in both tables 5 and 6, unlike those in this table, exclude U.S. residents temporarily employed abroad by U.S. businesses. They may also differ from the NIPA estimates in this table because of different data sources and revision schedules.

3. For consistency with the coverage of the all-U.S.-business employment data, U.S. affiliate employment in Puerto Rico, in "other U.S. areas," and in the "foreign" category was excluded from the U.S. affiliate employment total when the percentage shares on this line were computed.

4. Total affiliate manufacturing employment and the shares of all-U.S.-business manufacturing employment accounted for by affiliates shown in this table differ from those shown in table 6. In this table, employment is classified by industry of sales, and the total for manufacturing includes some nonmanufacturing employees (see footnote 11 to the text), whereas in table 6, affiliate manufacturing employment consists only of employees on the payroll of manufacturing plants. Data on the latter basis are not available for the subindustries within manufacturing shown in this table.

5. The affiliate and all-U.S.-business employment data in petroleum and coal products are not comparable and, hence, are not shown here, because affiliate employment in this industry includes a substantial number of nonmanufacturing employees. When a rough adjustment is made to remove the nonmanufacturing employees from the affiliate data, the affiliate share of all-U.S.-business employment in petroleum and coal products is about 39 percent in 1990 and about 40 percent 1991.

6. Excludes private households.

7. See footnote 1 to table 3.

At the end of 1991, affiliates with British UBO's had the largest employment, at 1,061,000. Employment by affiliates with Canadian UBO's (718,000) was the second largest, and employment by affiliates with Japanese UBO's (707,000) was third. These rankings were the same as for 1988–90.

By State

By State, the largest increases in affiliate employment were in New York (14,000) and Texas (10,000); a few States had small decreases. In manufacturing, many States had small increases in affiliate employment; the largest decreases were in Indiana and California (9,000 each).

At the end of 1991, the level of U.S. affiliate employment was highest in California (555,000), followed by New York (362,000) and Texas (310,000). In manufacturing, the level of employment was highest in California (207,000), followed by Ohio (128,000) and Illinois (119,000).

Share of the U.S. Economy

Two measures—employment and total assets—are used in this section to gauge the share of the U.S. economy accounted for by U.S. affiliates. In terms of employment, the size of affiliates is compared with that of all U.S. businesses by industry and by State. The comparisons by industry use affiliate employment data classified by industry of sales because these data correspond most closely to the data classified by industry of establishment that are used for all-U.S.-business employment.

In terms of total assets, the comparison is restricted to manufacturing because comparable data classified by industry of enterprise for both U.S. affiliates and all U.S. businesses are available only for manufacturing.

In terms of employment

In 1991, nonbank U.S. affiliates of foreign companies accounted for 5.2 percent of employment by all nonbank U.S. businesses, up slightly from 5.0 percent in 1990 (table 4). Much of the increase in share reflected a decrease in employment by all nonbank U.S. businesses.

By major industry, affiliate shares of employment were highest in mining (12.4 percent) and manufacturing (11.5 percent); the share was lowest in communication and public utilities (1.3 percent). Within manufacturing, affiliate shares were highest in petroleum and coal products (39.7

percent) and in chemicals and allied products (31.2 percent).[12]

The largest increases in affiliate shares were in electric and electronic equipment and in instruments and related products. In electric and electronic equipment, the increase primarily reflected a drop in overall employment in that industry; for affiliates, employment reductions by existing affiliates were more than offset by increases due to acquisitions, several of the largest of which were made by French companies. In instruments and related products, the increase was accounted for by an increase in affiliate employment, due largely to recent acquisitions, together with a decrease in overall employment in that industry.

By State, the largest increase in the affiliate share was in New Hampshire (up 0.9 percentage point, to 6.7 percent) (table 5); the increase was accounted for by acquisitions, combined with a decrease in total employment in that State. For manufacturing, the largest increases were in Nevada (up 2.6 percentage points, to 11.8 percent), Delaware (up 2.3 percentage points, to 20.6 percent), and West Virginia (up 1.8 percentage points, to 21.6 percent) (table 6). In Nevada, most of the increased share was accounted for by acquisitions. In both Delaware and West Virginia, the increased shares reflected new investments combined with decreases in manufacturing employment in those States.

At the end of 1991, the affiliate share of total employment was highest in Delaware (13.7 percent), followed by Hawaii (12.1 percent). A large portion of the share in Delaware reflects the employment of a large minority-owned affiliate. The affiliate share of manufacturing employment was highest in West Virginia (21.6 percent); a sizable portion of this share reflects the employment of several affiliates with European or Canadian UBO's.

In terms of assets

In manufacturing, U.S. affiliates' share of the book value of total assets of all U.S. manufacturing businesses increased to 19.2 percent in 1991 from 18.9 percent in 1990 (table 7).[13] In both years, affiliates' shares of manufacturing assets were substantially higher than their shares of manufacturing employment; two factors account for most of the difference. First, affiliates are more concentrated than other U.S. businesses in capital-intensive industries, such as chemicals and allied products and petroleum and coal products, that have relatively low employment-to-assets ratios. Second, most of the growth in affiliate operations in recent years has been through acquisitions, and a company's assets are often revalued in an acquisition to reflect the new, usually higher, value implicit in the acquisition price; consequently, the portion of assets that has been recently revalued is probably higher for affiliates than for all U.S. businesses.[14]

The largest increase in affiliate asset shares in manufacturing was in primary metals and reflected several acquisitions of large firms. The largest decrease in affiliate asset shares in manufacturing was in rubber and plastics products; it reflected an increase in overall assets, combined with a decrease in affiliates' assets, in that industry.

12. In table 4, in order to make the affiliate data as consistent as possible with the all-U.S.-business data, petroleum is not shown as a separate major industry, as it normally is in direct investment statistics. Instead, the various petroleum subindustries are distributed among the other major industries. Thus, petroleum extraction is included in mining; petroleum refining, in manufacturing; gasoline service stations, in retail trade; and so on. However, for integrated petroleum companies whose operations include several phases of the industry—such as extraction, refining, and marketing—all employees involved in these operations are included in petroleum and coal products manufacturing when employment is classified by industry of sales (see footnote 10). Such companies may sell some crude petroleum to outsiders, but the employment associated with these sales cannot be separately identified and included in mining. In contrast, in the all-U.S.-business data, which are classified by industry of establishment, the employment of integrated companies is distributed among the activities of the companies' individual establishments, and only employees in manufacturing are included in petroleum and coal products manufacturing. Thus, if the affiliate share of employment in petroleum and coal products were calculated from the data shown in table 4, it would be significantly overstated because affiliate employment in this industry includes a substantial number of nonmanufacturing employees. The share cited in the text includes a rough adjustment to exclude these employees.

This adjustment also slightly reduces the affiliate share of total U.S. manufacturing employment, to 11.4 percent in 1991. As part of the adjustment, the employees subtracted from petroleum and coal products should be added to other petroleum-related subindustries. It is likely that most of these employees would be added to retail trade (gasoline service stations) or mining (oil and gas extraction); however, information on the number of employees that should be added to each industry is not available.

13. U.S. affiliates' shares of assets cover only manufacturing because comparable data on assets of U.S. businesses in other industries are not available. For the same reason, U.S. affiliates' shares of sales (which are also shown in table 7 but which are not discussed here) cover only manufacturing. All-U.S.-manufacturing-business assets and sales are from the Census Bureau's *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations (QFR)*. Comparisons for mining and trade are not appropriate, because the QFR data for these industries cover only corporations with assets over $50 million. The exclusion of unincorporated businesses and small corporations from the QFR mining and trade data means that a significant portion of the all-U.S.-business activity in these industries is missing.

14. Comparisons based on sales, unlike those based on assets, are not distorted by differences in valuation, because sales are generally valued at current prices.

A comparison of affiliates' share of all-U.S.-manufacturing sales with their share of all-U.S.-manufacturing assets may indicate the importance of differences in valuation. U.S. affiliates' share of total sales in 1991 was 16.8 percent—lower than their 19.2-percent share of total assets but higher than their 11.5-percent share of employment. These percentages suggest that some of the difference between the asset- and employment-based shares may be due to differences in asset valuation.

Table 5.—Employment by Nonbank U.S. Affiliates and All U.S. Businesses, 1990 and 1991, by State

[Thousands of employees]

	1990			1991		
	U.S. affiliates	All U.S. businesses [1]	U.S. affiliates as a percentage of all U.S. businesses	U.S. affiliates	All U.S. businesses [1]	U.S. affiliates as a percentage of all U.S. businesses
Total [2]	**4,734.5**	**95,411.0**	**4.9**	**4,809.2**	**93,497.0**	**5.1**
New England	**280.6**	**5,680.0**	**4.9**	**284.4**	**5,367.1**	**5.3**
Connecticut	75.9	1,464.8	5.2	79.7	1,388.5	5.7
Maine	26.6	456.6	5.8	26.6	434.2	6.1
Massachusetts	131.2	2,685.9	4.9	129.2	2,530.8	5.1
New Hampshire	25.9	448.4	5.8	28.2	423.5	6.7
Rhode Island	13.3	403.0	3.3	13.6	377.7	3.6
Vermont	7.7	221.3	3.5	7.2	212.4	3.4
Mideast	**930.2**	**17,343.8**	**5.4**	**938.5**	**16,708.7**	**5.6**
Delaware	43.1	311.1	13.8	41.6	304.2	13.7
District of Columbia	11.4	431.8	2.6	11.3	416.3	2.7
Maryland	79.6	1,827.1	4.4	76.6	1,751.3	4.4
New Jersey	227.0	3,157.4	7.2	228.0	3,003.5	7.6
New York	347.5	7,012.0	5.0	361.8	6,709.1	5.4
Pennsylvania	221.6	4,604.3	4.8	219.2	4,524.4	4.8
Great Lakes	**812.9**	**16,655.1**	**4.9**	**813.7**	**16,435.9**	**5.0**
Illinois	245.8	4,670.4	5.3	248.0	4,606.3	5.4
Indiana	126.9	2,212.4	5.7	123.2	2,198.2	5.6
Michigan	139.6	3,456.7	4.0	139.2	3,377.2	4.1
Ohio	219.1	4,291.0	5.1	220.1	4,219.0	5.2
Wisconsin	81.4	2,024.6	4.0	83.2	2,035.2	4.1
Plains	**248.5**	**6,975.5**	**3.6**	**262.0**	**6,962.8**	**3.8**
Iowa	32.8	1,057.7	3.1	32.7	1,064.8	3.1
Kansas	29.6	920.6	3.2	33.2	923.7	3.6
Minnesota	89.8	1,871.2	4.8	93.8	1,875.9	5.0
Missouri	73.7	2,051.9	3.6	77.2	2,008.7	3.8
Nebraska	14.9	626.8	2.4	16.8	630.6	2.7
North Dakota	3.1	211.0	1.5	3.4	215.7	1.6
South Dakota	4.5	236.4	1.9	4.9	243.4	2.0
Southeast	**1,153.3**	**21,649.9**	**5.3**	**1,175.8**	**21,321.3**	**5.5**
Alabama	55.7	1,361.4	4.1	62.0	1,363.1	4.5
Arkansas	29.2	801.8	3.6	30.1	807.2	3.7
Florida	205.7	4,767.6	4.3	211.3	4,660.3	4.5
Georgia	161.0	2,550.9	6.3	159.9	2,485.9	6.4
Kentucky	65.7	1,255.0	5.2	69.6	1,246.2	5.6
Louisiana	61.4	1,311.3	4.7	61.9	1,325.9	4.7
Mississippi	23.6	763.6	3.1	23.8	764.2	3.1
North Carolina	181.0	2,724.3	6.6	179.6	2,675.3	6.7
South Carolina	104.7	1,306.3	8.0	105.7	1,271.7	8.3
Tennessee	116.9	1,908.6	6.1	119.6	1,893.6	6.3
Virginia	113.3	2,392.9	4.7	117.6	2,322.6	5.1
West Virginia	34.9	506.2	6.9	34.7	505.3	6.9
Southwest	**417.6**	**8,741.7**	**4.8**	**423.7**	**8,798.0**	**4.8**
Arizona	57.1	1,291.0	4.4	56.2	1,283.1	4.4
New Mexico	17.4	450.9	3.9	14.8	454.5	3.3
Oklahoma	43.6	968.8	4.5	43.2	975.9	4.4
Texas	299.5	6,031.1	5.0	309.5	6,084.5	5.1
Rocky Mountain	**99.8**	**2,637.8**	**3.8**	**108.1**	**2,690.2**	**4.0**
Colorado	56.3	1,306.1	4.3	60.9	1,320.6	4.6
Idaho	11.7	331.5	3.5	12.6	341.1	3.7
Montana	5.1	243.6	2.1	5.8	249.6	2.3
Utah	21.0	604.6	3.5	23.4	623.2	3.7
Wyoming	5.8	152.1	3.8	5.5	155.7	3.5
Far West	**695.2**	**15,105.2**	**4.6**	**702.9**	**14,579.7**	**4.8**
California	555.9	11,589.0	4.8	555.0	11,059.1	5.0
Nevada	22.7	570.6	4.0	24.6	572.0	4.3
Oregon	39.1	1,076.3	3.6	41.9	1,070.4	3.9
Washington	77.5	1,869.3	4.1	81.4	1,878.1	4.3
Alaska	13.2	170.9	7.7	13.3	175.6	7.5
Hawaii	53.0	451.1	11.8	55.6	457.7	12.1
Puerto Rico	16.1	n.a.	n.a.	17.5	n.a.	n.a.
Other U.S. areas [3]	9.0	n.a.	n.a.	9.4	n.a.	n.a.
Foreign [4]	5.0	n.a.	n.a.	4.3	n.a.	n.a.

n.a. Not available.

1. The data on employment of all U.S. businesses are from BEA's Regional Economic Information System. The totals are equal to employment in private industries less employment of private households. The all-U.S.-business employment totals shown in this table differ slightly from those shown in table 4, which are from table 6.4C of the "National Income and Product Accounts (NIPA) Tables" in the July 1992 SURVEY. The all-U.S. employment data in this table are derived as the sum of the State estimates. They differ from the NIPA estimates of employment because they include banking and, by definition, they exclude U.S. residents temporarily employed abroad by U.S. businesses. They also may differ from the NIPA estimates because of different data sources and revision schedules.

2. For consistency with the coverage of the all-U.S.-business employment data, U.S. affiliate employment in Puerto Rico, in "other U.S. areas," and in "foreign" was excluded from the U.S. affiliate employment total when the percentage shares on this line were computed.

3. Consists of the U.S. Virgin Islands, Guam, American Samoa, U.S. offshore oil and gas sites, and all other outlying U.S. areas.

4. Consists of employees of U.S. affiliates working abroad.

Table 6.—Manufacturing Employment by Nonbank U.S. Affiliates and All U.S. Businesses, 1990 and 1991, by State

[Thousands of employees]

	1990			1991		
	U.S. affiliates	All U.S. businesses [1]	U.S. affiliates as a percentage of all U.S. businesses	U.S. affiliates	All U.S. businesses [1]	U.S. affiliates as a percentage of all U.S. businesses
Total [2 3]	**2,025.9**	**19,271.0**	**10.4**	**2,024.4**	**18,535.0**	**10.8**
New England	**112.7**	**1,223.4**	**9.2**	**115.5**	**1,144.2**	**10.1**
Connecticut	30.5	343.0	8.9	32.5	324.0	10.0
Maine	7.7	102.8	7.5	7.7	96.1	8.0
Massachusetts	52.8	523.0	10.1	54.1	486.9	11.1
New Hampshire	11.4	106.2	10.7	11.6	99.2	11.7
Rhode Island	6.8	101.6	6.7	6.2	93.5	6.6
Vermont	3.5	46.8	7.4	3.4	44.5	7.6
Mideast	**355.5**	**3,060.2**	**11.6**	**346.3**	**2,891.7**	**12.0**
Delaware	13.2	72.2	18.2	14.4	70.1	20.6
District of Columbia	.8	15.9	5.0	.5	15.0	3.3
Maryland	31.8	207.5	15.3	29.5	194.5	15.2
New Jersey	97.1	598.6	16.2	93.0	560.0	16.6
New York	101.3	1,140.6	8.9	99.0	1,068.0	9.3
Pennsylvania	111.3	1,025.5	10.9	109.8	984.0	11.2
Great Lakes	**448.2**	**4,247.3**	**10.6**	**443.4**	**4,099.3**	**10.8**
Illinois	116.3	986.6	11.8	118.5	951.4	12.5
Indiana	87.9	639.8	13.7	78.9	621.3	12.7
Michigan	72.3	945.3	7.6	70.9	902.5	7.9
Ohio	124.9	1,114.0	11.2	128.2	1,073.5	11.9
Wisconsin	46.7	561.6	8.3	46.8	550.7	8.5
Plains	**109.7**	**1,418.2**	**7.7**	**116.3**	**1,390.9**	**8.4**
Iowa	20.6	237.5	8.7	19.4	234.1	8.3
Kansas	11.4	186.3	6.1	13.5	185.4	7.3
Minnesota	33.1	401.6	8.2	35.0	398.3	8.8
Missouri	33.5	439.7	7.6	35.6	419.5	8.5
Nebraska	7.4	101.1	7.3	8.8	100.4	8.7
North Dakota	1.1	17.5	6.5	1.4	18.1	7.8
South Dakota	2.6	34.6	7.5	2.6	35.2	7.3
Southeast	**557.2**	**4,715.5**	**11.8**	**565.9**	**4,582.4**	**12.4**
Alabama	32.9	387.7	8.5	34.8	382.9	9.1
Arkansas	17.8	233.7	7.6	17.9	234.5	7.6
Florida	48.1	523.5	9.2	48.1	496.6	9.7
Georgia	71.7	561.6	12.8	73.2	543.0	13.5
Kentucky	43.7	287.9	15.2	46.5	282.0	16.5
Louisiana	20.9	184.3	11.3	23.1	187.4	12.3
Mississippi	15.6	247.6	6.3	14.9	249.0	6.0
North Carolina	106.5	864.0	12.3	107.3	830.4	12.9
South Carolina	64.0	385.0	16.6	63.4	372.2	17.0
Tennessee	68.5	522.0	13.1	70.6	505.7	14.0
Virginia	50.2	430.2	11.7	48.1	414.9	11.6
West Virginia	17.4	88.0	19.7	18.1	83.9	21.6
Southwest	**140.9**	**1,397.6**	**10.1**	**142.9**	**1,377.3**	**10.4**
Arizona	12.1	187.1	6.5	12.2	177.4	6.9
New Mexico	3.2	43.8	7.4	3.2	42.0	7.6
Oklahoma	16.9	169.1	10.0	17.1	169.6	10.1
Texas	108.7	997.5	10.9	110.3	988.3	11.2
Rocky Mountain	**27.1**	**396.3**	**6.8**	**26.4**	**388.2**	**6.8**
Colorado	12.9	193.5	6.6	12.1	186.1	6.5
Idaho	4.5	63.5	7.0	5.1	63.8	7.9
Montana	1.4	22.5	6.1	1.3	21.9	5.9
Utah	7.5	107.3	7.0	7.0	106.9	6.6
Wyoming	.9	9.5	9.0	.8	9.4	9.0
Far West	**255.5**	**2,773.9**	**9.2**	**248.3**	**2,622.2**	**9.5**
California	215.4	2,152.5	10.0	206.6	2,027.5	10.2
Nevada	2.4	26.5	9.2	3.1	26.2	11.8
Oregon	14.5	223.3	6.5	15.4	215.2	7.1
Washington	23.2	371.6	6.2	23.3	353.4	6.6
Alaska	3.9	17.4	22.6	3.2	18.1	17.6
Hawaii	2.9	21.3	13.5	2.8	20.6	13.6
Puerto Rico	9.7	n.a.	n.a.	10.1	n.a.	n.a.
Other U.S. areas [4]	2.0	n.a.	n.a.	2.2	n.a.	n.a.
Foreign [5]	.7	n.a.	n.a.	1.2	n.a.	n.a.

n.a. Not available.

1. The data on the manufacturing employment of all nonbank U.S. businesses are from BEA's Regional Economic Information System. The all-U.S.-business manufacturing totals shown in this table differ slightly from the NIPA estimates for manufacturing shown in table 4 (see footnote 2 to table 4). The all-U.S.-business employment data in this table are derived as the sum of the State estimates. They differ from the NIPA estimates of employment because, by definition, they exclude U.S. residents temporarily employed abroad by U.S. businesses. They also may differ from the NIPA estimates because of different data sources and revision schedules.

2. Total affiliate manufacturing employment and the shares of all-U.S.-business manufacturing employment accounted for by affiliates in this table differ from those shown in table 4 (see footnote 4 to table 4).

3. For consistency with the coverage of the all-U.S.-business employment data, U.S. affiliate employment in Puerto Rico, in "other U.S. areas," and in "foreign" was excluded from the U.S. affiliate employment total when the percentage shares on this line were computed.

4. See footnote 3 to table 5.

5. See footnote 4 to table 5.

Majority-Owned U.S. Affiliates

The estimates presented thus far have covered the operations of all U.S. nonbank affiliates—that is, all U.S. nonbank companies that are owned 10 percent or more by a foreign direct investor. This section covers only the estimates for nonbank *majority-owned* U.S. affiliates (MOUSA's), which are affiliates that are owned more than 50 percent by foreign direct investors.

Table 8 shows estimates of selected items—total assets, employment, sales, and gross property, plant, and equipment—for MOUSA's and gives their shares of the affiliate totals for these items. Most of the MOUSA shares are high because most U.S. affiliates are majority owned.

The following discussion covers MOUSA shares of total assets and employment of all nonbank affiliates by industry, by area, and by country. The distributions of MOUSA shares of sales and of gross property, plant, and equipment are not discussed, but they tend to be similar to those of assets and employment.

In 1991, MOUSA's accounted for 80 percent of the total assets and 82 percent of the employment of all nonbank U.S. affiliates. Their shares of assets and of employment were high in most industries. By major industry, their shares were highest in wholesale trade (96 percent of assets and 93 percent of employment) and lowest in "other industries."

In manufacturing, MOUSA's accounted for 82 percent of the assets and 84 percent of the employment of all U.S. manufacturing affiliates. The shares were highest in food and kindred products (98 percent of assets and 99 percent of employment) and lowest in primary and fabricated metals (65 percent of assets and 67 percent of employment).

By area, the asset share for MOUSA's was highest for affiliates with UBO's in Asia and Pacific (86 percent), and the employment share was highest

Table 7.—Total Assets and Sales of U.S. Affiliates and All U.S. Businesses in Manufacturing, 1990 and 1991 [1]

	Millions of dollars				U.S. affiliates as a percentage of all U.S. businesses	
	U.S. affiliates		All U.S. businesses			
	1990	1991	1990	1991	1990	1991
	Total assets					
Manufacturing	**497,347**	**516,671**	**2,629,458**	**2,688,422**	**18.9**	**19.2**
Stone, clay, and glass products	25,154	25,835	59,414	59,174	42.3	43.7
Chemicals and allied products	137,803	144,412	325,370	357,665	42.4	40.4
Primary metal industries	29,612	33,210	101,707	105,558	29.1	31.5
Rubber and plastics products	18,643	17,818	56,305	61,884	33.1	28.8
Electric and electronic equipment	41,181	44,331	204,294	211,567	20.2	21.0
Petroleum and coal products	68,269	68,080	339,451	327,961	20.1	20.8
Fabricated metal products	17,924	17,721	94,213	94,936	19.0	18.7
Printing and publishing	26,509	25,422	155,635	159,752	17.0	15.9
Food and kindred products [2]	(D)	(D)	314,925	319,782	(D)	(D)
Instruments and related products	13,333	15,917	114,718	117,939	11.6	13.5
Machinery, except electrical	33,760	35,096	267,534	268,912	12.6	13.1
Textile mill products	3,474	3,827	41,147	40,744	8.4	9.4
Paper and allied products	9,951	10,245	117,335	130,748	8.5	7.8
Transportation equipment	15,453	16,443	328,951	337,038	4.7	4.9
Other	(D)	(D)	108,459	94,761	(D)	(D)
	Sales					
Manufacturing	**468,222**	**463,116**	**2,810,736**	**2,761,071**	**16.7**	**16.8**
Stone, clay, and glass products	17,861	16,825	55,662	51,075	32.1	32.9
Chemicals and allied products	110,451	111,268	287,568	297,841	38.4	37.4
Primary metal industries	32,295	31,830	120,547	114,834	26.8	27.7
Rubber and plastics products	16,782	15,171	76,691	81,338	21.9	18.7
Electric and electronic equipment	43,284	45,575	216,031	220,145	20.0	20.7
Petroleum and coal products	71,810	63,179	318,490	282,244	22.5	22.4
Fabricated metal products	18,519	18,470	135,935	127,223	13.6	14.5
Printing and publishing	17,243	16,828	143,484	145,745	12.0	11.5
Food and kindred products [2]	(D)	(D)	397,452	408,858	(D)	(D)
Instruments and related products	10,812	14,232	102,755	102,167	10.5	13.9
Machinery, except electrical	36,739	35,291	255,453	249,480	14.4	14.1
Textile mill products	3,265	3,572	54,696	55,721	6.0	6.4
Paper and allied products	9,275	9,736	115,523	122,969	8.0	7.9
Transportation equipment	19,881	20,953	352,872	340,721	5.6	6.1
Other	(D)	(D)	177,577	160,710	(D)	(D)

(D) Suppressed to avoid disclosure of data of individual companies.

1. The U.S.-affiliate and all-U.S.-business data are classified by industry of enterprise. In this table, unlike most other tables on direct investment published here and elsewhere, petroleum and coal products is included in manufacturing in order to be consistent with the all-U.S.-business data.

2. Includes tobacco manufacturing.

NOTE.—Total assets and sales of all U.S. businesses cover U.S. corporations and are from various issues of the *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations* published by the Census Bureau.

for affiliates with UBO's in Europe (86 percent). The MOUSA shares of both assets and employment were lowest for UBO's in the United States.[15] By country, MOUSA's with UBO's in Switzerland had particularly high shares of both assets (97 percent) and employment (94 percent).

The preceding section of this article discussed the shares of all-U.S.-business employment and assets accounted for by all nonbank U.S. affiliates—both majority and minority owned. When only MOUSA's are used in the calculation of these shares, the affiliate share of all-U.S.-business employment in 1991 was 4.3 percent (compared with 5.2 percent for all affiliates), and the share of all-U.S.-business assets in manufacturing was 16.0 percent (compared with 19.2 percent). In 1990, the MOUSA shares were 4.0 percent of employment and 15.7 percent of assets.

Tables 9.1 through 15.2 follow.

15. The definition of direct investment is based on whether a U.S. company has a foreign parent rather than on the location of the UBO. Thus, while all U.S. affiliates have a foreign parent, some may have a UBO that is located in the United States.

Data Availability

Estimates of U.S. affiliate operations in 1977–91 are available on computer diskettes; these estimates are comparable with those in this article but are presented in greater detail. For information about purchasing the diskettes, call (202) 523–6545. The estimates for 1977–89 are also available in a series of annual publications; for order information, call (202) 523–0777. Publications presenting the revised estimates for 1990 and the preliminary estimates for 1991 will be available later this summer; their availability will be announced on the inside back cover of the SURVEY.

Table 8.—Selected Data of Nonbank Majority-Owned U.S. Affiliates, by Industry of Affiliate and by Country of Ultimate Beneficial Owner, 1990 and 1991

	1990 r								1991 p							
	Millions of dollars			Thousands of employees	Majority-owned affiliates as a percentage of all nonbank affiliates				Millions of dollars			Thousands of employees	Majority-owned affiliates as a percentage of all nonbank affiliates			
	Total assets	Gross property, plant, and equipment	Sales		Total assets	Gross property, plant, and equipment	Sales	Employment	Total assets	Gross property, plant, and equipment	Sales		Total assets	Gross property, plant, and equipment	Sales	Employment
All industries, all countries	**1,269,876**	**438,182**	**995,013**	**3,842**	**82**	**76**	**85**	**81**	**1,391,393**	**486,481**	**1,001,286**	**3,944**	**80**	**77**	**85**	**82**
By industry																
Petroleum	87,819	88,782	101,776	133	87	87	87	89	87,512	90,119	92,567	127	86	86	87	89
Manufacturing	343,345	158,487	322,011	1,833	80	71	81	83	366,915	178,696	334,845	1,865	82	74	84	84
Food and kindred products	44,208	16,174	45,182	241	96	97	96	97	46,983	17,952	46,507	238	98	99	98	99
Chemicals and allied products	(D)	(D)	81,660	380	(D)	(D)	74	74	105,549	(D)	84,924	375	73	(D)	76	75
Primary and fabricated metals	31,593	17,345	34,923	177	66	56	69	69	32,868	19,421	34,060	178	65	57	68	67
Machinery	64,032	23,246	69,481	440	85	80	87	86	70,582	26,517	72,851	448	89	86	90	89
Other manufacturing	(D)	(D)	90,764	595	(D)	(D)	84	85	110,934	(D)	96,502	625	88	(D)	88	88
Wholesale trade	151,933	35,165	354,240	396	95	95	95	92	166,426	42,102	338,853	401	96	97	95	93
Retail trade	40,841	18,676	63,517	637	87	83	83	86	44,823	22,057	71,443	663	88	84	82	85
Finance, except banking	287,957	3,010	25,178	34	88	77	82	62	325,993	3,919	25,678	37	86	79	80	63
Insurance	(D)	(D)	(D)	102	(D)	(D)	(D)	76	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Real estate	90,586	68,224	14,035	30	81	79	80	68	94,029	72,125	12,968	34	82	78	80	80
Services	75,411	31,238	32,880	464	87	82	82	81	78,260	35,700	34,563	479	86	83	79	80
Other industries	(D)	(D)	(D)	213	(D)	(D)	(D)	55	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
By country																
Canada	170,801	55,150	91,413	561	75	52	72	76	181,011	56,656	89,602	557	77	53	74	78
Europe	660,132	261,368	529,959	2,495	88	89	88	86	720,688	287,647	537,240	2,537	82	88	89	86
Of which:																
France	71,646	30,964	68,783	304	92	93	84	90	(D)	33,861	68,864	306	(D)	81	78	84
Germany	90,344	35,052	93,223	409	90	84	86	79	109,333	44,362	97,286	421	92	89	86	81
Netherlands	85,236	54,434	68,497	261	94	94	94	91	(D)	57,103	69,621	268	(D)	94	94	92
Switzerland	111,025	20,388	58,877	255	97	93	93	93	112,800	22,353	60,065	260	97	94	95	94
United Kingdom	236,466	96,047	178,247	954	88	92	93	91	249,654	102,817	175,809	958	88	92	94	90
Latin America and Other Western Hemisphere	22,829	12,349	30,255	104	60	74	81	77	24,668	14,007	27,667	106	62	77	82	81
Africa	2,491	1,531	1,393	6	(D)	25	24	37	2,852	1,864	1,838	9	(D)	31	47	57
Middle East	(D)	(D)	(D)	16	(D)	(D)	(D)	63	(D)	(D)	(D)	19	(D)	(D)	(D)	71
Asia and Pacific	393,796	96,619	329,773	647	85	72	88	73	443,338	114,428	333,025	702	86	75	88	74
Of which:																
Australia	32,006	11,317	19,086	87	69	52	60	53	31,819	10,010	19,316	73	67	48	58	47
Japan	334,963	75,847	290,840	496	88	77	91	79	382,677	93,397	293,076	566	88	79	92	80
United States	(D)	(D)	(D)	12	(D)	(D)	(D)	38	(D)	(D)	(D)	14	(D)	(D)	(D)	44

r Revised.
p Preliminary.
D Suppressed to avoid disclosure of data of individual companies.

Table 9.1.—Selected Data of Nonbank U.S. Affiliates, by Industry of Affiliate, 1990

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Gross product	Net income	Employee compensation		Gross property, plant, and equipment: Total	Gross property, plant, and equipment: Of which: Commercial property	Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
All industries	**1,550,238**	**1,175,857**	**243,227**	**–4,535**	**163,592**	**4,734.5**	**578,355**	**146,520**	**69,580**	**92,308**	**182,936**
Petroleum	**101,179**	**117,537**	**26,712**	**2,811**	**6,457**	**149.4**	**102,186**	**5,190**	**7,058**	**2,891**	**18,637**
Petroleum and coal products manufacturing	68,269	71,810	20,461	2,496	4,481	105.2	75,940	3,970	5,017	1,367	9,703
Other	32,910	45,727	6,252	315	1,976	44.2	26,247	1,221	2,041	1,525	8,934
Manufacturing	**429,079**	**396,412**	**119,704**	**–31**	**88,730**	**2,220.7**	**223,889**	**8,860**	**27,869**	**36,069**	**47,171**
Food and kindred products	45,987	47,070	10,944	89	7,290	247.3	16,628	1,864	2,100	1,578	2,415
Beverages	18,159	13,297	3,452	372	2,046	55.7	5,509	522	571	246	601
Other	27,828	33,773	7,493	–283	5,244	191.6	11,119	1,343	1,529	1,332	1,814
Chemicals and allied products	137,803	110,451	37,387	4,923	23,817	512.5	86,359	2,733	10,498	10,720	9,058
Industrial chemicals and synthetics	86,985	64,688	22,369	2,804	14,062	294.0	64,901	1,680	7,324	8,665	5,489
Drugs	26,766	22,067	8,934	1,847	5,427	115.0	11,278	562	1,694	1,104	2,081
Soap, cleaners, and toilet goods	14,563	14,765	3,537	148	2,513	61.6	5,403	(D)	766	289	345
Other	9,490	8,931	2,547	124	1,815	41.9	4,778	(D)	714	663	1,143
Primary and fabricated metals	47,536	50,813	14,623	363	11,157	255.5	30,771	483	3,352	2,816	5,041
Primary metal industries	29,612	32,295	8,319	312	6,272	135.2	22,801	204	2,400	1,765	3,786
Ferrous	16,296	16,001	4,566	60	3,637	73.9	14,445	81	1,337	413	974
Nonferrous	13,317	16,294	3,753	252	2,634	61.2	8,356	123	1,063	1,352	2,812
Fabricated metal products	17,924	18,519	6,304	51	4,885	120.3	7,969	279	952	1,052	1,254
Machinery	74,941	80,023	23,219	–3,659	20,965	509.1	29,146	785	4,470	13,478	17,929
Machinery, except electrical	33,760	36,739	10,130	–1,464	9,009	219.0	12,795	393	1,960	5,162	8,399
Computer and office equipment	11,366	12,086	3,189	–1,028	3,005	61.3	3,941	138	680	1,747	4,508
Other	22,394	24,653	6,941	–437	6,004	157.6	8,853	256	1,281	3,415	3,891
Electric and electronic equipment	41,181	43,284	13,089	–2,195	11,956	290.1	16,351	391	2,509	8,316	9,530
Household audio, video, and communications equipment	11,723	15,885	4,766	–734	4,068	90.0	5,277	137	724	3,983	5,086
Electronic components and accessories	9,729	7,975	2,274	–647	2,262	65.1	5,170	75	940	1,412	2,089
Other	19,729	19,424	6,048	–813	5,625	135.1	5,904	179	845	2,922	2,355
Other manufacturing	122,811	108,054	33,530	–1,746	25,502	696.4	60,985	2,995	7,450	7,476	12,728
Textile products and apparel	5,676	5,801	2,046	–188	1,449	60.3	3,623	381	344	282	404
Lumber, wood, furniture and fixtures	2,430	2,855	879	35	579	19.9	1,430	58	193	246	199
Paper and allied products	9,951	9,275	3,189	136	1,955	49.3	8,600	77	994	711	816
Printing and publishing	26,509	17,243	5,462	–370	4,391	121.2	6,162	761	719	573	209
Newspapers	(D)	2,181	1,140	183	744	24.6	968	(D)	143	0	6
Other	(D)	15,062	4,321	–553	3,647	96.6	5,194	(D)	576	573	202
Rubber products	13,578	12,266	3,976	–654	3,487	83.9	7,208	516	1,059	945	1,761
Miscellaneous plastics products	5,066	4,517	1,225	–6	926	29.6	3,021	85	662	202	596
Stone, clay, and glass products	25,154	17,861	5,958	–659	4,762	122.8	16,731	415	1,295	613	1,050
Transportation equipment	15,453	19,881	3,849	–792	3,330	87.8	7,604	397	1,165	1,237	5,932
Motor vehicles and equipment	10,992	15,783	2,645	–614	2,179	57.0	6,315	345	1,061	510	5,445
Other transportation equipment, nec	4,461	4,099	1,205	–178	1,151	30.8	1,289	52	105	727	487
Instruments and related products	13,333	10,812	4,319	5	3,210	90.3	4,308	272	618	1,528	1,019
Other	5,662	7,545	2,628	746	1,413	31.2	2,296	33	401	1,139	742
Wholesale trade	**160,276**	**374,551**	**24,392**	**–1,189**	**15,795**	**429.9**	**37,008**	**7,211**	**8,211**	**49,925**	**113,639**
Motor vehicles and equipment	48,466	92,304	6,451	–186	3,215	74.7	14,072	2,164	4,482	4,786	44,659
Professional and commercial equipment and supplies	8,632	14,937	1,873	–94	1,459	36.3	1,823	441	393	751	7,993
Metals and minerals, except petroleum	15,217	53,197	1,729	–20	1,187	28.5	3,011	463	437	10,032	11,165
Electrical goods	27,031	36,150	4,154	–399	2,985	86.4	5,547	1,425	1,312	1,786	19,550
Machinery, equipment, and supplies	17,187	36,904	1,873	–418	1,517	37.7	2,126	559	388	10,313	10,723
Other durable goods	12,576	53,941	2,063	–16	1,437	42.7	2,346	682	326	3,653	5,850
Groceries and related products	5,769	20,476	1,596	–360	1,185	42.8	1,606	691	189	1,523	2,934
Farm product raw materials	8,817	40,097	966	78	570	17.9	1,859	259	117	14,398	3,553
Other nondurable goods	16,580	26,544	3,687	226	2,240	63.0	4,617	527	567	2,683	7,213
Retail trade	**46,898**	**76,930**	**17,130**	**–964**	**12,500**	**744.7**	**22,420**	**13,562**	**2,647**	**1,179**	**2,170**
General merchandise stores	14,475	12,813	3,476	–897	2,831	136.5	6,278	(D)	402	10	309
Food stores	11,774	37,440	7,092	331	4,816	292.5	8,268	5,161	1,183	6	291
Apparel and accessory stores	6,792	7,307	1,880	–325	1,426	85.5	2,931	1,710	318	8	532
Other	13,856	19,371	4,682	–73	3,427	230.1	4,942	(D)	745	1,156	1,037
Finance, except banking	**328,603**	**30,888**	**5,014**	**–1,425**	**4,821**	**53.8**	**3,923**	**1,246**	**619**	**6**	**4**
Insurance	**205,567**	**62,574**	**9,545**	**2,284**	**5,232**	**133.3**	**9,744**	**3,000**	**1,574**	**0**	**0**
Real estate	**112,353**	**17,593**	**6,349**	**–2,055**	**1,416**	**43.3**	**86,731**	**80,285**	**8,136**	**7**	**2**
Services	**86,243**	**40,272**	**16,690**	**–2,042**	**13,799**	**570.3**	**38,325**	**22,616**	**6,935**	**549**	**327**
Hotels and other lodging places	27,029	5,818	2,456	–977	1,885	120.2	19,155	17,097	1,807	2	3
Business services	17,530	13,474	7,341	–412	6,278	229.3	6,160	812	1,072	161	96
Computer and data processing services	5,320	4,441	2,284	23	1,697	32.9	2,662	97	531	122	21
Other business services	12,210	9,033	5,058	–435	4,581	196.4	3,497	716	540	39	75
Motion pictures, including television tape and film	24,392	9,372	1,905	–501	1,698	43.0	4,226	1,569	253	86	78
Engineering, architectural, and surveying services	3,870	4,693	1,568	5	1,373	35.0	1,014	421	117	260	68
Accounting, research, management, and related services	1,703	1,023	434	–56	415	8.0	501	164	85	15	1
Health services	1,614	1,656	1,025	31	905	59.4	823	94	68	0	0
Other services	10,104	4,236	1,961	–130	1,246	75.4	6,447	2,458	3,533	26	80
Other industries	**80,042**	**59,100**	**17,690**	**–1,924**	**14,842**	**389.0**	**54,129**	**4,550**	**6,531**	**1,683**	**986**
Agriculture, forestry, and fishing	5,227	2,293	843	75	401	21.5	4,014	1,191	362	298	54
Mining	16,961	8,184	3,459	597	1,523	36.0	14,183	103	978	1,222	320
Coal	2,546	1,740	522	–117	317	7.6	2,190	1	127	246	(D)
Other	14,415	6,444	2,938	713	1,206	28.5	11,993	102	851	976	(D)
Construction	14,796	16,822	4,061	–243	3,664	92.0	8,141	1,364	494	149	(D)
Transportation	25,500	27,190	7,359	–2,948	8,119	193.4	21,627	1,623	3,207	(D)	(D)
Communication and public utilities	17,558	4,611	1,968	596	1,135	46.1	6,164	269	1,490	(D)	61

D Suppressed to avoid disclosure of data of individual companies.
* Less than $500,000 (±).

NOTE.—Estimates for 1990 are revised.

Table 9.2.—Selected Data of Nonbank U.S. Affiliates, by Industry of Affiliate, 1991

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Gross product	Net income	Employee compensation		Gross property, plant, and equipment: Total	Gross property, plant, and equipment: Of which: Commercial property	Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
All industries	**1,743,762**	**1,174,069**	**258,370**	**−10,743**	**173,911**	**4,809.2**	**634,688**	**164,351**	**67,541**	**98,369**	**179,694**
Petroleum	**102,052**	**106,393**	**25,166**	**390**	**6,753**	**142.0**	**105,181**	**5,671**	**7,590**	**3,700**	**15,911**
Petroleum and coal products manufacturing	68,080	63,179	18,315	475	4,527	98.6	76,187	4,364	4,692	1,334	7,621
Other	33,973	43,213	6,851	−85	2,225	43.5	28,994	1,307	2,898	2,366	8,290
Manufacturing	**448,592**	**399,936**	**124,222**	**−3,070**	**91,884**	**2,214.8**	**241,351**	**9,638**	**25,775**	**39,432**	**47,983**
Food and kindred products	48,178	47,624	11,965	228	7,512	241.7	18,172	2,045	1,943	1,825	2,893
Beverages	19,356	13,367	3,655	41	2,133	56.6	5,979	670	623	282	652
Other	28,822	34,257	8,310	186	5,380	185.0	12,193	1,375	1,320	1,543	2,241
Chemicals and allied products	144,412	111,268	37,986	4,085	24,501	497.7	91,052	2,886	9,894	11,268	9,751
Industrial chemicals and synthetics	85,581	61,158	21,402	1,565	13,799	273.0	66,018	1,834	6,470	8,998	5,738
Drugs	31,333	25,063	10,063	2,322	6,038	123.6	13,500	465	1,945	1,156	2,701
Soap, cleaners, and toilet goods	15,444	15,137	3,632	20	2,671	59.2	5,885	(D)	691	304	304
Other	12,054	9,909	2,889	179	1,993	41.9	5,648	(D)	788	811	1,007
Primary and fabricated metals	50,931	50,300	14,751	−1,078	11,747	267.1	34,260	701	3,196	3,558	5,032
Primary metal industries	33,210	31,830	8,338	−777	6,785	148.2	25,488	216	2,284	2,189	3,783
Ferrous	18,889	17,243	4,832	−728	4,182	86.8	16,304	89	1,229	752	1,307
Nonferrous	14,321	14,586	3,506	−49	2,604	61.4	9,184	127	1,055	1,437	2,476
Fabricated metal products	17,721	18,470	6,413	−300	4,962	118.9	8,772	485	913	1,369	1,249
Machinery	79,426	80,866	24,277	−3,071	21,309	501.0	30,800	794	3,850	14,345	16,608
Machinery, except electrical	35,096	35,291	9,992	−1,853	9,069	212.9	13,519	473	1,590	4,971	7,733
Computer and office equipment	11,036	11,640	2,978	−1,279	2,999	57.5	4,380	157	754	1,807	3,883
Other	24,059	23,652	7,014	−574	6,070	155.5	9,139	316	836	3,164	3,850
Electric and electronic equipment	44,331	45,575	14,285	−1,218	12,239	288.1	17,281	321	2,260	9,375	8,875
Household audio, video, and communications equipment	12,031	15,877	5,073	−14	3,924	81.1	5,336	123	518	4,359	4,597
Electronic components and accessories	8,365	6,697	1,783	−476	1,778	54.1	4,055	58	672	1,166	1,436
Other	23,935	23,001	7,429	−727	6,537	152.8	7,891	140	1,071	3,850	2,841
Other manufacturing	125,644	109,879	35,243	−3,234	26,815	707.3	67,066	3,211	6,891	8,435	13,699
Textile products and apparel	6,265	6,357	2,352	−70	1,595	61.6	4,103	456	376	304	417
Lumber, wood, furniture and fixtures	2,635	3,104	810	−21	620	24.0	1,543	60	193	230	186
Paper and allied products	10,245	9,736	3,353	−88	2,159	50.3	9,409	41	861	864	889
Printing and publishing	25,422	16,828	5,445	−617	4,377	118.3	6,158	984	729	483	316
Newspapers	(D)	(D)	965	(D)	762	25.1	(D)	(D)	(D)	0	6
Other	(D)	(D)	4,480	(D)	3,615	93.2	(D)	(D)	(D)	483	311
Rubber products	11,478	10,398	3,294	−1,027	3,285	74.9	7,306	464	669	964	1,454
Miscellaneous plastics products	6,340	4,773	1,378	−330	1,164	30.4	3,596	103	411	207	403
Stone, clay, and glass products	25,835	16,825	5,712	−924	4,561	111.4	17,595	362	1,209	597	895
Transportation equipment	16,443	20,953	4,413	−562	3,636	91.6	9,083	378	1,372	1,484	6,647
Motor vehicles and equipment	11,174	16,524	3,094	−450	2,373	56.7	7,484	336	1,251	940	6,092
Other transportation equipment, nec	5,269	4,428	1,318	−112	1,263	34.9	1,599	42	121	545	554
Instruments and related products	15,917	14,232	5,965	412	4,276	113.2	5,823	341	676	1,995	1,128
Other	5,065	6,672	2,520	−6	1,141	31.6	2,451	22	396	1,307	1,364
Wholesale trade	**173,898**	**355,565**	**26,354**	**−1,433**	**17,397**	**429.8**	**43,600**	**8,332**	**8,340**	**51,995**	**112,064**
Motor vehicles and equipment	53,793	94,616	7,257	−123	3,522	77.1	17,842	2,723	4,899	5,650	40,279
Professional and commercial equipment and supplies	9,699	16,277	2,174	−197	1,735	39.5	2,253	522	484	820	8,635
Metals and minerals, except petroleum	15,367	40,529	1,689	−137	1,239	27.8	3,182	434	365	10,828	10,807
Electrical goods	31,865	38,663	4,541	−580	3,689	85.2	6,472	1,857	1,077	2,097	20,662
Machinery, equipment, and supplies	17,247	38,289	1,944	−174	1,447	33.2	2,026	492	263	9,798	11,978
Other durable goods	13,254	42,423	2,458	56	1,623	44.8	2,693	776	492	2,633	6,499
Groceries and related products	6,308	19,724	1,680	−11	1,214	43.7	1,621	713	157	1,659	3,030
Farm product raw materials	9,647	39,512	1,091	71	644	19.0	2,041	291	166	15,146	3,706
Other nondurable goods	16,719	25,533	3,520	−339	2,283	59.5	5,470	525	435	3,365	6,469
Retail trade	**51,152**	**86,689**	**20,450**	**−543**	**13,825**	**780.1**	**26,334**	**16,879**	**2,858**	**1,103**	**2,389**
General merchandise stores	13,560	13,124	4,098	−484	2,787	132.0	5,552	3,991	445	16	381
Food stores	17,267	47,103	9,601	619	5,970	333.4	11,656	8,245	1,401	5	350
Apparel and accessory stores	6,364	7,495	2,011	−308	1,480	85.6	3,300	1,703	306	4	575
Other	13,960	18,967	4,740	−370	3,588	229.1	5,826	2,940	706	1,079	1,083
Finance, except banking	**377,086**	**32,124**	**6,877**	**−753**	**5,325**	**58.7**	**4,969**	**1,577**	**983**	**5**	**3**
Insurance	**302,859**	**72,910**	**11,889**	**2,726**	**6,925**	**159.9**	**16,886**	**8,377**	**3,087**	**0**	**0**
Real estate	**114,238**	**16,276**	**5,834**	**−3,430**	**1,378**	**41.9**	**91,881**	**84,294**	**5,690**	**7**	**2**
Services	**91,006**	**43,718**	**16,820**	**−3,591**	**14,853**	**597.9**	**42,934**	**24,660**	**7,599**	**346**	**259**
Hotels and other lodging places	28,452	6,332	2,875	−1,301	2,320	124.3	21,177	18,441	1,903	2	3
Business services	19,483	14,473	7,227	−398	6,315	264.9	7,749	753	1,476	143	85
Computer and data processing services	5,852	4,310	2,253	29	1,705	32.3	2,912	70	554	82	22
Other business services	13,630	10,163	4,974	−427	4,610	232.6	4,836	682	922	61	63
Motion pictures, including television tape and film	24,950	10,553	1,274	−1,399	1,692	42.2	4,411	1,470	321	47	73
Engineering, architectural, and surveying services	4,048	5,054	1,757	−180	1,658	36.5	1,211	390	226	116	21
Accounting, research, management, and related services	2,026	1,182	480	−99	493	8.9	667	227	132	15	3
Health services	1,880	2,089	1,259	−13	1,129	66.9	982	106	91	0	0
Other services	10,168	4,035	1,949	−200	1,247	54.2	6,738	3,274	3,451	24	72
Other industries	**82,879**	**60,458**	**20,756**	**−1,038**	**15,572**	**384.0**	**61,554**	**4,924**	**5,620**	**1,782**	**1,083**
Agriculture, forestry, and fishing	4,921	2,262	837	−44	447	22.5	4,132	1,233	230	357	57
Mining	19,117	9,582	4,626	651	2,154	42.4	19,672	102	1,374	1,282	273
Coal	5,298	3,443	1,628	27	906	14.9	6,101	3	369	521	52
Other	13,819	6,139	2,998	625	1,249	27.5	13,571	99	1,006	761	222
Construction	13,965	15,593	3,948	−328	3,583	82.4	8,018	1,461	331	135	(D)
Transportation	26,294	27,527	9,294	−1,043	8,128	193.5	21,990	1,704	2,099	1	(D)
Communication and public utilities	18,581	5,494	2,051	−275	1,260	43.3	7,741	424	1,585	6	57

(D) Suppressed to avoid disclosure of data of individual companies.
* Less than $500,000 (±).

NOTE.—Estimates for 1991 are preliminary.

Table 10.1.—Selected Data of Nonbank U.S. Affiliates, by Country and Industry of Ultimate Beneficial Owner, 1990

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Gross product	Net income	Employee compensation		Gross property, plant, and equipment: Total	Gross property, plant, and equipment: Of which: Commercial property	Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
All countries, all industries	**1,550,238**	**1,175,857**	**243,227**	**–4,535**	**163,592**	**4,734.5**	**578,355**	**146,520**	**69,580**	**92,308**	**182,936**
By country											
Canada	**227,219**	**126,155**	**39,163**	**1,624**	**23,896**	**739.1**	**105,890**	**29,936**	**11,017**	**6,162**	**10,993**
Europe	**746,000**	**599,697**	**141,979**	**–2,946**	**99,006**	**2,894.6**	**294,386**	**51,212**	**32,413**	**38,747**	**63,047**
Austria	2,312	1,881	279	–129	268	6.4	486	83	23	218	569
Belgium	13,789	15,629	3,138	–514	1,796	86.1	8,819	1,666	1,015	349	1,440
Denmark	2,150	2,968	1,011	–34	850	50.5	1,336	189	126	136	634
Finland	5,431	6,143	955	–228	836	24.4	2,006	92	198	267	445
France	77,500	81,915	15,051	–2,073	12,287	338.9	33,321	4,811	3,327	11,748	8,239
Germany	100,009	108,547	24,409	213	17,852	516.2	41,967	8,191	6,131	6,383	18,417
Ireland	5,597	5,226	1,683	23	1,168	32.6	3,460	515	581	140	(D)
Italy	30,407	14,058	1,649	–95	1,660	40.2	4,177	526	620	1,433	1,540
Liechtenstein	832	511	147	–55	125	3.8	677	490	41	31	108
Luxembourg	1,965	2,312	501	–19	396	17.2	977	433	83	80	646
Netherlands	90,927	72,784	18,687	100	9,861	286.5	58,083	9,816	4,446	2,739	6,612
Norway	2,216	1,915	430	–7	301	8.0	998	177	85	117	330
Spain	2,211	849	161	6	112	4.3	369	233	56	9	168
Sweden	26,683	28,281	4,865	–2,543	5,492	152.4	11,194	960	4,287	1,792	5,034
Switzerland	114,524	63,011	15,158	–434	11,940	273.6	21,929	3,837	2,521	5,070	4,965
United Kingdom	268,530	192,317	53,746	2,876	33,980	1,050.9	104,244	18,954	8,858	8,046	13,388
Other	917	1,351	110	–34	82	2.4	342	240	14	189	(D)
Latin America and Other Western Hemisphere	**38,343**	**37,183**	**8,670**	**444**	**4,862**	**134.5**	**16,687**	**4,480**	**2,012**	**2,610**	**8,015**
South and Central America	25,586	24,158	5,322	446	2,603	66.9	9,214	1,391	1,076	1,905	7,114
Brazil	10,588	2,198	745	234	149	3.2	452	119	30	215	400
Mexico	3,280	3,104	728	–51	530	14.9	1,469	435	165	165	849
Panama	3,902	3,837	1,377	–124	1,269	28.4	2,720	395	217	230	535
Venezuela	6,527	13,215	2,283	380	529	16.2	4,118	212	594	258	4,637
Other	1,288	1,804	188	6	126	4.1	456	230	70	1,037	694
Other Western Hemisphere	12,757	13,025	3,349	–2	2,259	67.7	7,472	3,088	936	705	901
Bahamas	(D)	1,157	375	10	70	1.9	743	520	34	(D)	(D)
Bermuda	5,706	7,527	1,390	201	989	34.2	2,394	1,063	384	195	541
Netherlands Antilles	3,214	2,860	1,285	–28	933	19.5	3,311	906	410	340	(D)
United Kingdom Islands, Caribbean	2,085	1,393	238	–189	254	11.7	965	544	108	45	69
Other	(D)	88	61	3	13	0.4	59	56	(*)	(D)	0
Africa	(D)	**5,795**	**1,254**	**–149**	**701**	**17.1**	**6,242**	**466**	**334**	**527**	(D)
South Africa	4,585	5,151	905	–113	597	14.5	3,270	(D)	131	(D)	(D)
Other	(D)	644	349	–37	104	2.6	2,972	(D)	203	(D)	(D)
Middle East	**23,834**	**17,131**	**3,104**	**–365**	**910**	**25.3**	**14,783**	**9,908**	**1,035**	**303**	**5,192**
Israel	1,301	819	155	17	147	3.1	161	57	14	(D)	(D)
Kuwait	9,870	1,877	751	–218	243	9.2	6,816	4,744	307	(D)	50
Lebanon	639	534	107	–63	114	3.4	468	167	30	46	2
Saudi Arabia	10,243	13,543	2,002	18	361	7.7	5,483	3,412	555	107	(D)
United Arab Emirates	1,238	292	65	–95	35	1.5	1,347	1,135	119	17	39
Other	543	66	24	–23	9	0.3	507	393	9	0	0
Asia and Pacific	**460,863**	**375,312**	**46,526**	**–4,549**	**32,811**	**890.6**	**133,535**	**49,323**	**21,507**	**43,732**	**94,646**
Australia	46,073	31,738	8,055	–875	6,376	166.2	21,612	2,386	4,047	491	846
Hong Kong	11,513	4,114	794	–259	637	24.9	3,416	2,620	291	97	724
Japan	382,677	318,716	34,806	–2,685	23,576	629.2	98,891	40,995	15,563	39,293	87,475
Korea, Republic of	6,284	8,366	485	–222	362	8.3	1,516	516	138	2,142	3,881
Malaysia	240	160	25	–2	19	0.7	130	63	6	2	43
New Zealand	5,020	6,030	1,255	–156	1,072	36.4	3,189	894	269	(D)	703
Philippines	516	701	206	–12	164	4.9	396	203	15	20	39
Singapore	1,179	440	150	–31	71	2.7	848	789	(D)	45	58
Taiwan	5,181	2,102	424	–245	353	10.4	2,393	306	841	375	366
Other	2,181	2,944	326	–63	179	7.0	1,145	551	(D)	(D)	511
United States	(D)	**14,584**	**2,530**	**1,405**	**1,407**	**33.1**	**6,832**	**1,196**	**1,263**	**227**	(D)
Addenda:											
European Communities (12)[1]	593,423	496,728	120,063	452	79,981	2,424.1	256,989	45,534	25,247	31,070	51,141
OPEC[2]	30,653	30,693	5,629	95	1,379	40.9	20,653	9,656	1,794	1,350	9,832
By industry											
Government and government-related entities	61,455	58,500	11,608	–806	6,260	134.9	32,778	9,536	3,219	6,040	13,994
Individuals, estates, and trusts	196,391	139,209	29,300	–33	20,539	772.3	71,377	35,755	7,509	9,858	9,174
Petroleum	72,619	67,192	20,390	2,625	5,294	118.5	81,611	3,483	4,696	2,057	8,812
Agriculture	1,900	2,109	474	49	286	8.7	863	184	93	206	614
Mining	22,977	18,115	5,008	752	2,631	65.9	16,539	276	1,328	1,808	3,296
Construction	16,517	15,670	3,756	–259	3,061	81.2	7,969	4,031	721	249	393
Manufacturing	498,357	503,192	121,800	78	87,794	2,255.8	239,561	14,445	36,567	33,232	114,971
Transportation, communication,and public utilities	43,134	33,227	8,334	–2,223	8,073	224.1	23,079	6,463	3,579	835	1,226
Wholesale and retail trade	70,730	204,717	14,305	–263	9,372	430.8	18,844	7,582	3,063	36,744	29,531
Banking	181,847	29,894	1,513	–1,574	2,451	25.4	2,490	775	399	55	68
Other finance and insurance	277,337	67,966	12,937	399	7,756	203.6	19,213	13,007	1,500	686	582
Real estate	64,973	13,262	4,028	–1,734	1,672	53.8	46,011	42,291	5,146	37	9
Services	42,002	22,804	9,775	–1,546	8,401	359.5	18,021	8,693	1,759	502	267

D Suppressed to avoid disclosure of data of individual companies.

* Less than $500,000 (±).

NOTE.—Estimates for 1990 are revised.

1. The European Communities (12) consists of Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, and the United Kingdom.

2. OPEC is the Organization of Petroleum Exporting Countries. As of yearend 1992, its members were Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

Table 10.2.—Selected Data of Nonbank U.S. Affiliates, by Country and Industry of Ultimate Beneficial Owner, 1991

	Millions of dollars					Thousands of employees	Millions of dollars				
	Total assets	Sales	Gross product	Net income	Employee compensation		Gross property, plant, and equipment: Total	Gross property, plant, and equipment: Of which: Commercial property	Expenditures for new plant and equipment	U.S. merchandise exports shipped by affiliates	U.S. merchandise imports shipped to affiliates
All countries, all industries	**1,743,762**	**1,174,069**	**258,370**	**-10,743**	**173,911**	**4,809.2**	**634,688**	**164,351**	**67,541**	**98,369**	**179,694**
By country											
Canada	**234,439**	**121,572**	**39,185**	**942**	**24,055**	**717.7**	**107,185**	**29,582**	**9,239**	**6,402**	**10,383**
Europe	**873,770**	**606,886**	**151,077**	**-4,949**	**105,073**	**2,943.6**	**325,178**	**60,206**	**33,308**	**41,555**	**59,058**
Austria	2,240	1,644	292	-149	252	6.2	526	81	33	171	525
Belgium	13,748	15,783	2,851	-91	1,795	90.6	8,429	1,896	974	338	1,313
Denmark	2,345	3,300	1,130	-10	951	46.3	1,389	175	143	225	709
Finland	5,434	6,237	1,104	-242	894	23.7	2,280	97	399	307	496
France	160,737	88,610	18,282	-2,007	14,376	363.7	42,012	10,826	4,375	11,636	7,516
Germany	118,267	112,473	26,001	-582	19,566	518.6	50,103	8,225	6,764	7,292	17,360
Ireland	5,941	5,430	1,615	-255	1,181	31.0	3,834	460	270	223	(D)
Italy	23,041	12,662	1,866	-995	1,847	42.0	5,235	582	441	1,876	1,764
Liechtenstein	821	475	170	-45	142	3.5	687	473	36	33	69
Luxembourg	1,907	2,328	516	-44	432	16.5	894	310	68	79	606
Netherlands	98,933	73,790	18,948	-796	10,495	292.5	60,709	10,866	4,353	3,215	6,326
Norway	2,621	2,196	504	-29	393	9.4	1,088	199	140	222	227
Spain	2,419	851	193	14	120	5.3	446	266	73	14	139
Sweden	33,295	28,445	6,870	-621	5,755	154.3	11,837	1,433	3,926	1,776	4,355
Switzerland	116,260	63,510	15,897	47	12,080	276.1	23,884	4,141	2,480	5,637	4,822
United Kingdom	284,563	187,981	54,711	898	34,681	1,060.8	111,295	19,875	8,823	8,405	12,189
Other	1,197	1,171	128	-42	113	3.1	530	300	11	105	(D)
Latin America and Other Western Hemisphere	**39,824**	**33,866**	**8,771**	**415**	**4,729**	**131.0**	**18,255**	**4,784**	**1,808**	**2,567**	**6,993**
South and Central America	26,656	23,135	5,782	453	2,673	68.5	10,269	1,455	919	1,925	6,159
Brazil	(D)	2,173	717	194	147	3.2	514	143	41	175	351
Mexico	3,646	3,260	751	-104	586	15.5	1,641	464	173	123	899
Panama	3,910	3,900	1,504	-6	(D)	(D)	2,888	394	270	270	693
Venezuela	6,799	12,046	2,662	397	577	16.0	4,735	217	400	(D)	(D)
Other	(D)	1,755	149	-28	(D)	(D)	491	238	36	(D)	(D)
Other Western Hemisphere	13,168	10,731	2,989	-38	2,056	62.5	7,986	3,329	889	643	833
Bahamas	1,110	967	289	-33	55	1.8	800	585	33	(D)	(D)
Bermuda	6,470	5,385	1,093	69	814	31.0	2,467	1,111	277	98	509
Netherlands Antilles	3,293	2,896	1,343	105	948	18.1	3,404	913	440	390	70
United Kingdom Islands, Caribbean	2,241	1,460	256	-179	238	11.6	1,275	693	133	55	(D)
Other	52	23	8	(*)	1	(*)	40	27	6	(D)	0
Africa	(D)	**3,950**	**1,212**	**-237**	**673**	**15.0**	**6,103**	**364**	**376**	**647**	**735**
South Africa	3,937	3,387	883	-207	571	12.9	2,852	(D)	110	(D)	(D)
Other	(D)	564	329	-29	102	2.1	3,251	(D)	266	(D)	(D)
Middle East	**23,583**	**16,230**	**3,803**	**199**	**989**	**27.2**	**17,239**	**11,792**	**1,723**	**485**	**4,195**
Israel	1,098	838	180	26	160	3.1	194	71	18	84	(D)
Kuwait	9,285	1,899	924	91	252	8.6	8,396	6,321	877	2	36
Lebanon	653	610	107	-66	122	4.0	544	176	41	32	5
Saudi Arabia	10,692	12,550	2,452	295	394	8.1	6,196	3,666	663	(D)	(D)
United Arab Emirates	1,328	268	106	-130	51	3.0	1,419	1,187	116	(D)	23
Other	527	65	33	-17	12	0.4	490	372	9	(*)	(*)
Asia and Pacific	**516,560**	**377,448**	**51,419**	**-8,668**	**36,929**	**942.7**	**152,751**	**56,415**	**19,627**	**46,437**	**98,170**
Australia	47,591	33,368	8,537	-1,568	6,527	154.4	20,975	1,963	1,964	609	1,474
Hong Kong	11,305	4,479	880	-390	704	26.2	3,802	2,877	347	103	854
Japan	436,949	319,967	39,400	-6,090	27,756	706.5	118,530	48,041	16,018	41,212	89,675
Korea, Republic of	7,262	8,829	516	-256	378	8.0	1,711	662	178	2,622	4,328
Malaysia	315	167	33	-18	35	1.0	185	107	10	1	(D)
New Zealand	2,414	3,553	813	-58	650	20.0	1,779	846	105	(D)	634
Philippines	567	781	240	-7	(D)	(D)	432	200	25	35	44
Singapore	1,320	518	142	-46	82	2.7	959	861	75	62	94
Taiwan	5,754	2,276	495	-142	375	9.3	2,976	210	734	488	325
Other	3,083	3,511	362	-92	(D)	(D)	1,402	648	171	(D)	(D)
United States	(D)	**14,117**	**2,903**	**1,556**	**1,463**	**32.1**	**7,977**	**1,209**	**1,461**	**275**	**162**
Addenda:											
European Communities (12) [1]	712,231	503,278	126,129	-3,892	85,464	2,467.8	284,612	53,732	26,287	33,312	48,020
OPEC [2]	31,651	28,689	6,660	639	1,543	43.9	23,874	11,632	2,207	1,609	7,717
By industry											
Government and government-related entities	62,633	55,856	12,795	-188	6,426	128.3	37,448	11,691	3,565	6,970	11,099
Individuals, estates, and trusts	184,748	126,790	29,816	-1,043	20,029	735.4	74,974	37,815	6,686	9,080	7,549
Petroleum	79,125	65,101	18,716	-212	5,588	114.7	85,881	3,872	6,028	2,146	7,820
Agriculture	1,957	2,292	484	4	319	9.0	887	185	66	251	678
Mining	27,926	19,071	6,482	258	3,447	76.3	23,662	300	1,775	2,310	3,349
Construction	17,928	14,067	3,285	-759	2,991	73.3	9,006	4,718	707	95	(D)
Manufacturing	525,299	511,253	126,417	-4,295	92,322	2,270.0	257,045	15,844	33,751	37,118	114,303
Transportation, communication, and public utilities	45,317	33,103	10,601	-1,098	8,462	224.5	24,685	6,565	2,690	1,174	1,248
Wholesale and retail trade	84,338	198,535	17,795	-219	11,420	497.4	24,828	11,201	3,468	38,130	32,485
Banking	198,284	29,700	2,575	-502	2,589	28.1	3,473	1,219	749	189	(D)
Other finance and insurance	406,611	81,051	15,470	696	10,013	229.1	25,528	19,150	2,769	321	361
Real estate	63,123	12,793	4,048	-1,915	1,542	51.7	47,054	41,896	3,092	48	6
Services	46,475	24,455	9,886	-1,469	8,764	371.4	20,217	9,895	2,194	538	216

(D) Suppressed to avoid disclosure of data of individual companies.
* Less than $500,000 (±).

NOTE.—Estimates for 1991 are preliminary.
1. See footnote 1 to table 10.1.
2. See footnote 2 to table 10.1.

Table 11.1.—Employment by Nonbank U.S. Affiliates, Industry of Sales by Country of Ultimate Beneficial Owner, 1990 [1]

[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	**4,734.5**	**739.1**	**2,894.6**	**338.9**	**516.2**	**286.5**	**273.6**	**1,050.9**	**134.5**	**17.1**	**25.3**	**890.6**	**166.2**	**629.2**	**33.1**
Petroleum	**131.4**	**22.3**	**83.4**	**9.2**	**2.4**	(D)	**.6**	**36.7**	**14.0**	**2.4**	**5.3**	**4.0**	**2.8**	**.8**	**.1**
Petroleum and coal products manufacturing	90.3	(D)	62.8	2.5	1.7	(D)	.1	26.8	4.4	0	(D)	(D)	(D)	.1	0
Other	41.0	(D)	20.6	6.7	.7	1.0	.5	9.9	9.5	2.4	(D)	(D)	(D)	.7	.1
Manufacturing	**2,024.1**	**261.1**	**1,286.8**	**185.4**	**233.0**	**118.0**	**147.4**	**426.9**	**57.0**	**7.9**	**3.9**	**403.5**	**43.7**	**316.0**	**4.0**
Food and kindred products	206.8	28.6	143.2	13.6	5.0	25.9	31.9	53.6	3.6	(D)	0	29.7	4.4	13.1	(D)
Beverages	33.1	(D)	18.1	6.7	1.1	.4	(D)	4.8	.1	0	0	7.9	(D)	4.1	(D)
Other	173.7	(D)	125.2	6.9	3.9	25.5	(D)	48.8	3.4	(D)	0	21.8	(D)	9.0	0
Chemicals and allied products	332.4	54.7	246.3	27.4	73.6	32.3	38.2	59.7	(D)	(D)	.7	22.8	1.6	19.4	.1
Industrial chemicals and synthetics	146.1	(D)	87.2	11.0	38.3	12.8	4.2	14.9	.6	(D)	0	11.9	.9	9.8	(*)
Drugs	86.9	(D)	76.7	7.5	15.1	(D)	23.6	23.8	(D)	0	.4	4.7	.3	4.4	0
Soap, cleaners, and toilet goods	39.2	1.4	34.5	1.2	9.8	(D)	(D)	5.5	.1	0	.3	2.9	.3	2.7	0
Other	60.1	(D)	47.8	7.7	10.4	5.8	(D)	15.6	0	(D)	0	3.3	.1	2.6	.1
Primary and fabricated metals	213.0	27.6	100.7	18.9	18.3	9.0	13.4	25.1	13.4	1.6	.4	69.3	7.0	57.3	(*)
Primary metal industries	112.0	19.3	35.1	6.2	7.5	(*)	3.8	8.6	(D)	(D)	0	54.8	4.6	47.3	(*)
Ferrous	70.7	7.4	13.7	3.5	3.1	(*)	.1	2.1	(D)	(D)	0	47.8	(D)	44.1	0
Nonferrous	41.3	11.9	21.4	2.7	4.4	0	3.8	6.5	(D)	(D)	0	7.0	(D)	3.2	(*)
Fabricated metal products	101.0	8.3	65.5	12.6	10.9	8.9	9.6	16.5	(D)	(D)	.4	14.4	2.4	10.0	0
Machinery	488.6	41.4	297.4	35.8	54.8	32.7	29.5	86.9	8.7	1.0	1.3	137.7	6.7	110.9	1.1
Machinery, except electrical	217.5	9.2	136.3	15.6	27.6	1.9	20.2	39.1	(D)	(D)	1.1	64.2	1.1	45.7	.3
Office and computing machines	46.9	.7	23.1	12.2	2.9	1.3	.9	5.5	1.2	0	.5	21.4	0	17.8	0
Other	170.6	8.6	113.2	3.4	24.7	.6	19.3	33.6	(D)	(D)	.6	42.7	1.1	27.9	.3
Electric and electronic equipment	271.0	32.2	161.0	20.1	27.2	30.8	9.3	47.8	(D)	(D)	.2	73.5	5.5	65.2	.7
Audio, video, and communications equipment	80.4	(D)	33.9	(D)	5.8	(D)	(D)	5.3	(D)	(*)	.1	(D)	(D)	21.2	(*)
Electronic components and accessories	86.8	2.8	48.6	2.9	11.1	(D)	2.6	15.2	(D)	(D)	.1	33.9	.9	30.8	.7
Other	103.9	(D)	78.5	(D)	10.3	(D)	(D)	27.4	0	0	0	(D)	(D)	13.1	(*)
Other manufacturing	783.5	108.7	499.2	89.8	81.4	18.0	34.3	201.5	(D)	2.7	1.5	144.1	24.0	115.2	(D)
Textile products and apparel	65.5	11.4	39.9	3.5	8.1	.7	1.6	21.8	3.5	0	.3	10.2	0	9.6	.3
Lumber, wood, furniture, and fixtures	27.5	4.6	19.0	.8	5.9	0	1.0	7.5	.9	(*)	.3	2.7	(D)	1.3	0
Paper and allied products	49.8	7.8	31.9	.5	1.5	(D)	.6	6.5	(D)	0	(D)	8.3	2.3	4.2	.6
Printing and publishing	109.0	46.0	48.3	(D)	9.0	(D)	(D)	27.2	.5	0	(*)	13.8	6.1	7.7	.5
Newspapers	25.4	(D)	.7	0	(*)	0	0	.6	.1	0	(*)	(D)	(D)	(*)	0
Other	83.7	(D)	47.6	(D)	8.9	(D)	(D)	26.6	.3	0	0	(D)	(D)	7.7	.5
Rubber products	72.8	2.6	44.7	20.4	(D)	3.3	.3	6.2	0	0	0	25.5	(D)	(D)	0
Miscellaneous plastics products	56.0	9.8	39.8	10.5	4.2	2.2	1.2	17.1	1.0	0	0	5.5	.6	4.0	0
Stone, clay, and glass products	109.8	3.8	68.9	20.3	9.5	1.7	5.1	25.1	(D)	(D)	0	21.9	10.4	11.4	0
Transportation equipment	131.8	12.7	76.0	20.2	14.1	.5	2.1	27.5	(D)	.2	(D)	41.8	0	41.8	(*)
Motor vehicles and equipment	90.3	10.6	37.7	(D)	12.5	0	(D)	11.4	0	.2	0	41.7	0	41.7	0
Other transportation equipment	41.5	2.1	38.3	(D)	1.5	.5	(D)	16.1	(D)	0	(D)	.1	0	.1	(*)
Instruments and related products	112.4	8.5	90.0	6.4	16.7	5.2	12.0	39.8	(D)	(D)	.1	10.0	.3	8.4	0
Other	48.8	1.5	40.7	(D)	(D)	.2	(D)	22.8	(D)	0	0	4.5	.5	(D)	(D)
Wholesale trade	**351.0**	**16.5**	**211.7**	**37.7**	**53.4**	**17.5**	**14.1**	**60.5**	**8.7**	**3.1**	**1.8**	**108.0**	**5.6**	**93.8**	**1.2**
Motor vehicles and equipment	43.5	1.0	19.0	(D)	7.1	(D)	0	3.6	(D)	0	.8	19.5	.8	17.8	(D)
Professional and commercial equipment and supplies	41.3	.4	22.0	.4	11.2	3.4	2.8	2.6	.2	0	.2	18.5	0	17.7	(*)
Metals and minerals, except petroleum	22.2	1.4	10.2	2.9	2.2	.7	.2	2.8	.3	.5	0	9.8	.3	9.0	0
Electrical goods	50.9	2.2	20.6	1.0	10.0	(D)	.4	4.7	.1	.1	.1	27.8	0	26.7	0
Machinery, equipment, and supplies	37.5	1.8	24.2	2.0	5.3	.3	2.3	6.6	(D)	(D)	.1	9.4	.1	8.8	.7
Other durable goods	39.5	1.5	29.3	3.1	2.4	2.1	1.1	16.6	1.7	.1	.3	6.7	(D)	5.6	0
Groceries and related products	29.1	1.5	23.9	3.9	(D)	3.0	.2	6.2	.5	.1	.3	2.7	(*)	1.7	(*)
Farm-product raw materials	13.2	.2	11.8	(D)	.2	.6	1.0	.6	.1	0	0	1.2	(*)	1.1	0
Other nondurable goods	73.7	6.5	50.6	11.8	(D)	5.0	6.1	16.9	(D)	(D)	(*)	12.4	(D)	5.3	(D)
Retail trade	**831.2**	**235.5**	**502.6**	**33.3**	**177.2**	**75.5**	(D)	**127.2**	**16.8**	**.4**	**2.8**	**71.9**	**9.9**	**55.6**	**1.3**
General merchandise stores	123.5	(D)	31.6	2.5	(D)	(D)	(D)	7.1	(D)	0	0	6.8	(D)	5.8	0
Food stores	318.1	50.5	257.5	8.6	153.1	(D)	.3	(D)	(D)	0	(D)	8.4	(D)	3.6	0
Apparel and accessory stores	86.3	(D)	52.8	2.7	3.1	(D)	1.2	18.6	4.6	0	0	9.1	(D)	(D)	(D)
Other	303.3	(D)	160.7	19.5	(D)	17.1	.2	(D)	(D)	.4	(D)	47.6	(D)	(D)	(D)
Finance, except banking	**63.1**	(D)	**24.6**	**.8**	**1.1**	**1.1**	**5.7**	**12.1**	**2.2**	(*)	**.2**	**26.3**	**.2**	**23.9**	(D)
Insurance	**127.2**	**10.5**	**94.8**	**.5**	**3.0**	**16.8**	**17.6**	**41.5**	(D)	**0**	(*)	**3.2**	**.4**	**1.4**	(D)
Real estate	**34.2**	**15.8**	**6.8**	**.4**	**.6**	**1.2**	**.6**	**3.2**	**.8**	**.1**	**1.4**	**9.2**	**1.0**	**7.1**	(*)
Services	**659.8**	**55.8**	**445.4**	**48.2**	**18.6**	**17.8**	**60.2**	**227.5**	**17.0**	**.9**	**7.9**	**130.3**	**16.4**	**93.0**	**2.4**
Hotels and other lodging places	140.5	3.8	60.8	18.3	.3	.7	(D)	27.6	1.9	(D)	5.5	66.9	0	49.4	(D)
Business services	277.1	9.3	232.4	19.2	3.2	13.7	26.7	124.2	10.2	.2	.6	23.6	(D)	10.9	.7
Computer and data processing services	52.8	3.8	37.9	7.6	1.7	(D)	(D)	12.9	(D)	(*)	.6	5.9	(*)	5.5	(D)
Other business services	224.2	5.6	194.5	11.6	1.5	(D)	(D)	111.3	(D)	.2	.1	17.7	(D)	5.4	(D)
Motion pictures, including television tape and film	28.7	(D)	(D)	(*)	0	(*)	0	5.5	.2	0	0	13.7	(D)	(D)	(*)
Engineering, architectural, and surveying services	40.0	1.9	35.6	6.5	8.3	.5	9.8	8.2	.5	.1	.1	1.8	0	1.7	.1
Accounting, research, management, and related services	38.9	2.9	30.4	1.3	.4	.3	(D)	14.5	.6	(*)	.7	4.2	.2	3.3	0
Health services	60.6	23.3	(D)	0	(D)	0	(D)	(D)	0	0	0	(D)	(*)	(D)	(*)
Other services	73.9	(D)	(D)	2.8	(D)	2.5	2.1	(D)	3.6	(D)	.9	(D)	.9	14.7	(D)
Other industries	**435.0**	**88.6**	**191.3**	**19.2**	**22.1**	**8.0**	**4.8**	**85.4**	**14.3**	(D)	**2.0**	**130.6**	**86.3**	**34.0**	(D)
Agriculture, forestry, and fishing	33.0	2.4	15.5	3.2	6.5	1.1	1.0	2.9	(D)	(D)	.3	7.2	0	7.0	0
Mining	77.2	23.1	44.1	2.8	(D)	(D)	.2	35.5	(D)	(D)	.5	8.3	6.0	2.3	0
Coal	30.6	12.1	17.2	(*)	(D)	.3	.2	15.5	0	(*)	.5	.8	.4	.4	0
Other	46.6	11.0	26.9	2.8	(*)	(D)	(*)	20.1	(D)	(D)	0	7.4	5.6	1.9	0
Construction	80.2	6.4	38.9	7.1	9.8	(D)	.8	13.7	(D)	(*)	(D)	24.9	(D)	12.4	(D)
Transportation	215.7	49.0	75.5	(D)	3.3	1.1	(D)	20.8	3.1	.1	(D)	86.8	74.0	11.7	(D)
Communication and public utilities	28.9	7.7	17.3	(D)	(D)	0	(D)	12.4	.4	0	(*)	3.4	(D)	.6	0
Unspecified [2]	**77.6**	(D)	**47.4**	**4.3**	**4.9**	(D)	(D)	**29.9**	(D)	(D)	(*)	**3.7**	(*)	**3.6**	(*)

D Suppressed to avoid disclosure of data of individual companies.

* Less than 50 employees.

1. For discussion of classification by industry of sales, see text.

2. See footnote 1 to table 3.

NOTE.—Estimates for 1990 are revised.

Table 11.2.—Employment by Nonbank Affiliates, Industry of Sales by Country of Ultimate Beneficial Owner, 1991 [1]

[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	**4,809.2**	**717.7**	**2,943.6**	**363.7**	**518.6**	**292.5**	**276.1**	**1,060.8**	**131.0**	**15.0**	**27.2**	**942.7**	**154.4**	**706.5**	**32.1**
Petroleum	**128.2**	**24.4**	**79.7**	**9.5**	**2.3**	(D)	**.7**	**34.5**	**13.2**	**1.4**	**5.2**	**4.1**	**2.9**	**.8**	**.1**
Petroleum and coal products manufacturing	90.1	(D)	59.6	2.6	1.5	(D)	.1	25.6	(D)	0	(D)	(D)	(D)	.1	0
Other	38.1	(D)	20.1	6.9	.7	1.0	.6	8.9	(D)	1.4	(D)	(D)	(D)	.7	.1
Manufacturing	**2,045.8**	**267.7**	**1,290.8**	**187.0**	**226.4**	**113.2**	**146.5**	**436.6**	**53.2**	**7.2**	**5.0**	**417.9**	**47.1**	**337.6**	**4.0**
Food and kindred products	207.9	27.8	143.6	12.7	5.1	26.6	31.6	55.0	3.6	.6	0	32.3	4.3	14.4	0
Beverages	33.1	(D)	19.1	5.5	1.3	.4	(D)	6.3	(D)	0	0	8.2	2.7	4.4	0
Other	174.8	(D)	124.5	7.3	3.8	26.3	(D)	48.6	(D)	.6	0	24.1	1.5	10.0	0
Chemicals and allied products	338.1	55.8	245.9	28.4	74.2	29.9	39.6	59.3	8.6	2.0	.7	25.0	1.3	21.8	.1
Industrial chemicals and synthetics	145.8	(D)	88.1	11.5	38.3	11.3	4.9	15.1	(D)	(D)	0	12.6	.4	10.9	(*)
Drugs	93.6	(D)	78.9	(D)	15.7	1.6	25.9	23.0	(D)	0	.5	4.8	.2	4.5	0
Soap, cleaners, and toilet goods	37.6	1.5	32.8	1.5	10.0	(D)	(D)	4.7	.1	0	.3	3.0	.5	2.5	0
Other	61.1	(D)	46.0	(D)	10.2	(D)	(D)	16.5	0	(D)	0	4.6	.1	3.9	.1
Primary and fabricated metals	215.7	26.6	102.2	18.3	18.6	9.1	10.8	30.8	10.7	1.0	.4	74.8	12.9	57.1	(*)
Primary metal industries	109.9	18.3	35.1	6.3	7.0	.1	4.1	9.8	1.8	.9	0	53.8	5.2	45.8	(*)
Ferrous	70.1	7.1	14.1	3.4	3.1	.1	(*)	3.2	(D)	(D)	0	47.2	1.6	43.0	0
Nonferrous	39.8	11.2	21.0	3.0	3.9	.1	4.1	6.6	(D)	(D)	0	6.6	3.6	2.8	(*)
Fabricated metal products	105.8	8.3	67.1	12.0	11.5	9.0	6.6	21.1	8.9	.1	.4	21.0	7.7	11.3	0
Machinery	492.1	40.1	303.8	43.4	49.4	29.3	32.6	90.9	8.7	1.2	1.0	136.3	6.8	122.7	1.1
Machinery, except electrical	215.5	10.2	137.5	11.6	28.5	1.7	21.5	41.3	(D)	(D)	.8	59.5	1.9	53.5	.4
Office and computing machines	43.3	1.4	16.9	8.8	2.0	1.0	.9	3.8	.6	0	(*)	24.2	0	20.7	0
Other	172.2	8.8	120.6	2.8	26.5	.6	20.6	37.5	(D)	(D)	.7	35.3	1.9	32.7	.4
Electric and electronic equipment	276.6	29.9	166.3	31.9	20.9	27.6	11.1	49.6	(D)	(D)	.2	76.8	4.9	69.2	.7
Audio, video, and communications equipment	77.0	(D)	35.4	(D)	5.5	(D)	(D)	5.6	(D)	(*)	.2	(D)	(D)	18.3	(*)
Electronic components and accessories	82.5	2.4	43.4	2.7	5.3	(D)	3.1	18.0	(D)	(D)	.1	35.3	.8	32.6	.7
Other	117.0	(D)	87.5	(D)	10.1	(D)	(D)	26.0	0	0	0	(D)	(D)	18.3	(*)
Other manufacturing	792.0	117.4	495.4	84.2	79.2	18.3	31.9	200.6	21.6	2.5	2.9	149.4	21.8	121.6	2.8
Textile products and apparel	67.7	15.1	38.3	3.9	7.0	.9	1.5	19.3	3.3	0	1.7	9.0	0	8.9	.3
Lumber, wood, furniture, and fixtures	32.2	6.5	21.3	1.1	6.0	0	.9	9.9	.8	(*)	(D)	2.2	.3	1.8	(D)
Paper and allied products	50.6	7.5	32.4	.6	1.6	(D)	.8	6.2	(D)	0	(D)	9.0	2.7	4.4	.5
Printing and publishing	101.6	46.8	45.1	(D)	7.2	(D)	(D)	26.6	.5	0	(*)	8.9	4.7	4.0	.3
Newspapers	26.1	(D)	.7	0	(*)	0	0	.7	.1	0	(*)	(D)	(D)	(*)	0
Other	75.5	(D)	44.4	(D)	7.1	(D)	(D)	25.9	.3	0	0	(D)	(D)	4.0	.3
Rubber products	70.2	.5	44.4	(D)	(D)	3.4	.2	6.6	.1	0	0	25.3	(D)	22.9	0
Miscellaneous plastics products	55.5	8.5	38.9	10.3	4.4	2.1	1.0	16.5	1.1	0	0	7.0	1.5	4.8	0
Stone, clay, and glass products	101.2	3.5	65.8	16.7	9.2	1.6	4.4	25.0	(D)	(D)	0	21.2	8.8	12.3	0
Transportation equipment	137.8	15.7	73.6	16.7	14.3	.4	(D)	24.4	(D)	(D)	.1	46.7	(*)	45.4	(*)
Motor vehicles and equipment	92.4	10.0	36.8	(D)	12.6	0	0	8.9	(*)	(D)	0	(D)	0	45.3	0
Other transportation equipment	45.3	5.8	36.8	(D)	1.7	.4	(D)	15.6	(D)	0	.1	(D)	(*)	.1	(*)
Instruments and related products	123.1	(D)	95.1	6.4	17.0	5.4	12.8	43.0	(D)	0	(D)	12.7	.3	11.2	0
Other	52.1	(D)	40.5	4.9	(D)	.5	2.5	23.1	(D)	0	0	7.4	(D)	5.9	(D)
Wholesale trade	**338.2**	**13.7**	**193.7**	**34.9**	**50.8**	**16.0**	**13.9**	**51.7**	**9.5**	**3.4**	**1.8**	**114.9**	**6.8**	**99.3**	**1.2**
Motor vehicles and equipment	42.8	.7	16.5	(D)	6.5	.7	0	3.8	(D)	0	(D)	20.8	(D)	19.0	.3
Professional and commercial equipment and supplies	42.8	.6	22.8	.6	11.7	3.4	2.5	2.9	.2	0	.2	19.0	0	18.2	.1
Metals and minerals, except petroleum	20.6	1.4	8.7	2.4	2.1	.7	.1	2.1	.2	.3	0	9.9	(D)	8.5	0
Electrical goods	45.1	2.1	16.2	1.0	8.4	(D)	.4	2.4	.1	.1	.2	26.5	0	25.2	0
Machinery, equipment, and supplies	37.3	1.0	24.7	2.0	5.5	.5	3.1	5.7	.9	(D)	(D)	9.7	.1	9.4	.7
Other durable goods	36.8	1.3	26.5	3.0	1.3	(D)	.9	15.3	1.7	(*)	.3	7.1	.5	5.9	0
Groceries and related products	31.6	1.4	22.8	3.9	(D)	2.2	.1	6.5	.7	(*)	.2	6.4	(*)	5.2	(*)
Farm-product raw materials	12.8	.2	11.3	(D)	.2	.5	1.2	.5	.1	0	0	1.3	(*)	1.2	0
Other nondurable goods	68.3	5.0	44.4	9.9	(D)	4.9	5.5	12.5	(D)	(D)	(*)	14.2	3.9	6.6	.1
Retail trade	**857.8**	**223.9**	**510.1**	**33.7**	**167.3**	**87.0**	(D)	**127.7**	**18.1**	**.4**	**3.2**	**100.9**	**4.8**	**90.0**	**1.3**
General merchandise stores	116.3	(D)	29.7	1.5	(D)	(D)	(D)	6.8	(D)	0	0	5.4	(*)	5.2	0
Food stores	358.9	50.1	266.8	10.0	141.1	(D)	.4	18.4	(D)	0	(D)	39.5	(D)	(D)	0
Apparel and accessory stores	84.5	20.3	51.6	3.0	2.4	(D)	1.2	17.2	(D)	0	0	7.5	(*)	(D)	(D)
Other	298.2	(D)	161.9	19.3	(D)	16.4	.2	85.3	(D)	.4	(D)	48.6	(D)	43.2	(D)
Finance, except banking	**71.5**	**5.5**	**33.2**	**6.5**	**1.1**	**1.2**	**5.6**	**14.8**	**1.7**	**0**	**.3**	**29.1**	**.1**	**26.2**	**1.8**
Insurance	**150.2**	(D)	**121.2**	(D)	**12.8**	**17.8**	**19.1**	**42.1**	**2.0**	**0**	**0**	**1.9**	**.3**	**1.6**	(D)
Real estate	**32.6**	**14.6**	**6.5**	**.1**	**.6**	**1.0**	**.9**	**3.1**	**.8**	**.1**	**1.4**	**9.1**	**.4**	**7.6**	(*)
Services	**696.9**	**65.5**	**465.4**	**47.0**	**23.0**	**18.5**	**63.2**	**241.4**	**17.8**	**.5**	**8.6**	**136.9**	**13.5**	**103.2**	**2.2**
Hotels and other lodging places	140.0	5.1	54.0	15.5	.3	.6	(D)	27.6	(D)	(*)	5.5	70.4	0	53.6	(D)
Business services	293.7	16.9	244.5	19.6	3.6	14.5	32.4	132.2	9.0	.1	.9	21.6	(D)	12.0	.6
Computer and data processing services	52.9	4.2	37.7	7.0	1.7	(D)	(D)	12.0	(D)	(*)	(D)	6.7	(*)	6.1	0
Other business services	240.8	12.8	206.9	12.6	1.9	(D)	(D)	120.2	(D)	.1	(D)	14.9	(D)	5.8	.6
Motion pictures, including television tape and film	27.7	(D)	8.2	(*)	0	.1	0	5.4	(D)	0	0	13.8	(D)	(D)	(*)
Engineering, architectural, and surveying services	42.5	2.7	37.2	7.3	8.5	.7	6.6	8.0	.5	0	.1	1.9	0	1.9	.1
Accounting, research, management, and related services	43.1	2.9	34.1	1.6	3.7	.1	12.4	15.2	.7	(*)	.8	4.5	.1	3.7	0
Health services	69.7	24.9	(D)	0	(D)	0	(D)	(D)	0	0	0	(D)	(*)	(D)	(*)
Other services	80.2	(D)	(D)	3.1	(D)	2.6	3.1	(D)	(D)	.4	1.3	(D)	.9	18.4	(D)
Other industries	**427.4**	**76.8**	**203.1**	**22.6**	**29.4**	**9.4**	**4.3**	**83.8**	(D)	(D)	**1.7**	**123.4**	**77.6**	**36.7**	(D)
Agriculture, forestry, and fishing	36.0	1.4	18.3	3.9	6.6	2.0	1.7	3.5	(D)	(D)	.3	8.8	0	8.6	0
Mining	71.5	12.8	48.9	3.3	(D)	3.4	.2	31.4	(*)	1.1	.3	8.3	6.3	2.0	0
Coal	24.3	.7	22.8	(*)	(D)	(D)	.2	13.0	0	(*)	.3	.5	.4	.1	0
Other	47.2	12.1	26.2	3.3	(*)	(D)	(*)	18.4	(*)	1.1	0	7.8	5.9	1.9	0
Construction	79.0	6.8	37.6	7.5	9.5	2.5	.6	12.1	3.4	(*)	(D)	24.7	(D)	12.5	(D)
Transportation	212.0	48.2	81.2	4.6	3.4	1.6	1.6	23.8	2.6	.1	(D)	78.6	64.5	13.1	(D)
Communication and public utilities	28.9	7.6	17.1	3.2	(D)	0	.2	13.0	(D)	0	(D)	3.1	(D)	.6	0
Unspecified [2]	**60.7**	(D)	**39.8**	(D)	**5.0**	(D)	(D)	**25.1**	(D)	(D)	(*)	**4.4**	**.9**	**3.4**	(*)

(D) Suppressed to avoid disclosure of data of individual companies.

* Less than 50 employees.

1. For discussion of classification by industry of sales, see text.

2. See footnote 1 to table 3.

NOTE.—Estimates for 1991 are preliminary.

Table 12.1.—Total Assets of Nonbank U.S. Affiliates, Industry of Affiliate by Country of Ultimate Beneficial Owner, 1990

[Millions of dollars]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	**1,550,238**	**227,219**	**746,000**	**77,500**	**100,009**	**90,927**	**114,524**	**268,530**	**38,343**	(D)	**23,834**	**460,863**	**46,073**	**382,677**	(D)
Petroleum	**101,179**	**6,243**	**67,970**	**6,375**	**1,310**	(D)	**651**	**23,063**	**6,940**	(D)	**8,724**	**7,987**	**5,342**	**1,818**	(D)
Petroleum and coal products manufacturing	68,269	(D)	57,449	(D)	190	(D)	(D)	(D)	1,833	0	(D)	(D)	(D)	8	0
Other	32,910	(D)	10,521	(D)	1,120	720	(D)	(D)	5,107	(D)	(D)	(D)	(D)	1,811	(D)
Manufacturing	**429,079**	**72,892**	**262,417**	**40,175**	**40,432**	**21,071**	**33,996**	**97,288**	**7,287**	**1,634**	**582**	**83,674**	**10,246**	**65,056**	**592**
Food and kindred products	45,987	9,160	30,176	2,234	326	1,325	(D)	17,834	425	(D)	0	5,859	(D)	2,553	(D)
Beverages	18,159	(D)	8,217	1,309	88	0	(D)	(D)	29	0	0	2,420	(D)	825	(D)
Other	27,828	(D)	21,960	925	238	1,325	565	(D)	396	(D)	0	3,439	(D)	1,728	0
Chemicals and allied products	137,803	(D)	89,705	7,146	19,054	12,338	13,272	29,978	1,188	0	(D)	9,928	127	7,853	18
Industrial chemicals and synthetics	86,985	(D)	44,122	(D)	15,763	3,147	202	(D)	(D)	0	0	5,930	0	4,175	3
Drugs	26,766	17	23,864	(D)	659	(D)	12,478	8,509	(D)	0	(D)	2,067	88	1,978	0
Soap, cleaners, and toilet goods	14,563	(D)	13,370	76	2,323	(D)	(D)	(D)	(D)	0	3	1,013	(D)	1,001	0
Other	9,490	207	8,349	244	309	(D)	(D)	6,988	0	0	0	919	(D)	699	15
Primary and fabricated metals	47,536	4,943	20,297	8,690	3,308	824	1,517	4,112	2,677	(D)	(D)	18,259	3,536	13,557	0
Primary metal industries	29,612	4,335	7,907	(D)	910	0	1,177	2,837	(D)	(D)	0	15,654	(D)	11,457	0
Ferrous	16,296	(D)	2,348	1,269	206	0	0	327	(D)	(D)	0	11,878	(D)	10,745	0
Nonferrous	13,317	(D)	5,558	(D)	704	0	1,177	2,510	60	(D)	0	3,776	(D)	711	0
Fabricated metal products	17,924	608	12,390	(D)	2,399	824	340	1,276	(D)	(D)	(D)	2,605	(D)	2,100	0
Machinery	74,941	5,895	45,552	4,375	9,078	(D)	8,182	10,957	282	(D)	347	22,594	1,299	18,608	(D)
Machinery, except electrical	33,760	862	17,377	1,957	3,092	131	(D)	5,926	278	(D)	248	14,818	(D)	12,592	(D)
Office and computing machines	11,366	(D)	4,795	(D)	245	63	(D)	2,472	(D)	0	(D)	6,262	0	5,857	0
Other	22,394	(D)	12,582	(D)	2,847	68	2,045	3,454	(D)	(D)	(D)	8,555	(D)	6,735	(D)
Electric and electronic equipment	41,181	5,033	28,175	2,419	5,985	(D)	(D)	5,031	4	(D)	100	7,776	(D)	6,016	(D)
Audio, video, and communications equipment	11,723	(D)	6,840	(D)	(D)	(D)	(D)	(D)	0	1	(D)	912	186	661	(D)
Electronic components and accessories	9,729	139	4,936	(D)	2,101	344	43	1,262	4	(D)	(D)	4,577	21	4,076	20
Other	19,729	(D)	16,399	491	(D)	40	(D)	(D)	0	0	0	2,286	(D)	1,279	(D)
Other manufacturing	122,811	(D)	76,687	17,730	8,666	(D)	(D)	34,406	2,715	2	149	27,035	(D)	22,485	(D)
Textile products and apparel	5,676	1,030	2,968	214	496	54	258	1,499	315	0	(D)	1,323	0	1,290	(D)
Lumber, wood, furniture, and fixtures	2,430	155	1,676	(D)	280	0	32	992	0	0	7	592	(D)	215	0
Paper and allied products	9,951	2,442	4,985	25	334	(D)	(D)	1,026	41	0	(D)	2,301	(D)	1,365	(D)
Printing and publishing	26,509	8,445	16,531	(D)	2,162	(D)	(D)	11,345	(D)	0	(*)	1,358	(D)	(D)	(D)
Newspapers	(D)	(D)	39	0	3	0	0	(D)	2	0	(*)	1	0	1	0
Other	(D)	(D)	16,492	(D)	2,160	(D)	(D)	(D)	(D)	0	0	1,357	(D)	(D)	(D)
Rubber products	13,578	(D)	6,573	(D)	(D)	463	35	(D)	0	0	0	(D)	0	(D)	0
Miscellaneous plastics products	5,066	705	3,244	881	569	49	33	1,138	91	0	0	1,025	10	1,003	0
Stone, clay, and glass products	25,154	(D)	17,013	6,824	1,514	324	1,846	5,361	(D)	0	0	6,082	2,291	3,779	0
Transportation equipment	15,453	1,726	7,649	2,314	733	(D)	29	3,395	1	0	10	6,061	0	6,034	6
Motor vehicles and equipment	10,992	1,621	3,351	(D)	(D)	0	29	858	0	0	0	6,021	0	6,021	0
Other transportation equipment	4,461	105	4,298	(D)	(D)	(D)	0	2,537	1	0	10	41	0	14	6
Instruments and related products	13,333	135	11,823	706	1,179	11	1,465	7,139	1	0	0	1,374	7	1,234	0
Other	5,662	69	4,226	455	(D)	4	225	(D)	(D)	2	0	(D)	(D)	735	0
Wholesale trade	**160,276**	**5,726**	**55,973**	**8,804**	**18,529**	**3,299**	**2,748**	**13,311**	**2,300**	**1,010**	**352**	**94,374**	**1,714**	**86,364**	**541**
Motor vehicles and equipment	48,466	(D)	15,205	52	11,399	9	0	954	47	0	(D)	32,581	(D)	31,449	(D)
Professional and commercial equipment and supplies	8,632	28	2,285	57	532	258	197	(D)	46	0	63	6,207	0	5,852	4
Metals and minerals, except petroleum	15,217	(D)	4,981	900	1,648	(D)	147	967	365	(D)	0	8,721	(D)	7,553	0
Electrical goods	27,031	490	1,808	149	385	(D)	77	344	90	0	(*)	24,643	0	23,038	0
Machinery, equipment, and supplies	17,187	896	5,318	134	1,384	440	629	1,290	479	(D)	(D)	10,072	20	9,510	329
Other durable goods	12,576	(D)	6,230	504	283	(D)	373	3,478	529	(D)	0	5,371	(D)	4,910	0
Groceries and related products	5,769	287	3,973	328	1,812	220	31	1,232	215	(D)	(D)	1,210	0	952	18
Farm-product raw materials	8,817	16	6,738	(D)	71	76	1,092	(D)	142	0	0	1,921	(*)	1,749	0
Other nondurable goods	16,580	2,165	9,434	(D)	1,016	1,026	202	3,723	387	(D)	(D)	3,650	(D)	1,352	(D)
Retail trade	**46,898**	**16,633**	**23,886**	**1,226**	**7,453**	**3,087**	(D)	**7,536**	**2,023**	(D)	**605**	**3,682**	**1,345**	**1,994**	(D)
General merchandise stores	14,475	(D)	2,085	(D)	(D)	(D)	(D)	321	(D)	0	0	1,361	(D)	386	0
Food stores	11,774	(D)	10,007	366	5,358	(D)	0	(D)	(D)	0	2	(D)	(D)	102	0
Apparel and accessory stores	6,792	2,204	3,515	163	65	(D)	(D)	2,165	(D)	0	0	(D)	4	(D)	2
Other	13,856	2,129	8,279	(D)	(D)	852	10	(D)	1,308	(D)	603	1,471	(D)	(D)	(D)
Finance, except banking	**328,603**	**26,366**	**122,687**	**9,537**	**16,525**	**2,258**	**52,341**	**30,682**	**11,070**	**35**	**1,508**	**166,315**	**4,289**	**154,287**	**423**
Insurance	**205,567**	**51,977**	**105,137**	**1,337**	**8,871**	**20,772**	**16,657**	**39,635**	**696**	**0**	(D)	**4,287**	(D)	**1,431**	(D)
Real estate	**112,353**	**28,982**	**26,582**	**608**	**3,385**	**7,525**	**2,007**	**10,043**	**3,699**	**400**	**10,053**	**41,980**	**1,417**	**37,005**	**657**
Services	**86,243**	**3,104**	**38,950**	**5,289**	**931**	**673**	**3,681**	**20,208**	**2,889**	(D)	**1,116**	**39,873**	(D)	**28,094**	(D)
Hotels and other lodging places	27,029	172	7,347	2,602	24	80	167	4,020	305	(D)	949	18,163	0	15,263	(D)
Business services	17,530	609	12,873	1,379	105	433	2,713	7,616	2,403	(*)	(D)	1,409	482	898	(D)
Computer and data processing services	5,320	339	4,378	286	92	(D)	2,444	1,126	(D)	0	27	112	7	78	(D)
Other business services	12,210	270	8,495	1,094	14	(D)	269	6,489	(D)	(*)	(D)	1,297	475	820	(D)
Motion pictures, including television tape and film	24,392	887	(D)	4	6	3	17	3,482	91	0	0	(D)	(D)	(D)	9
Engineering, architectural, and surveying services	3,870	111	3,515	916	508	31	(D)	917	26	0	11	206	0	188	2
Accounting, research, management. and related services	1,703	82	1,045	283	(D)	124	65	442	23	2	0	552	47	470	0
Health services	1,614	564	(D)	0	(D)	0	(D)	(D)	0	0	0	(D)	2	(D)	0
Other services	10,104	679	7,271	104	9	3	72	(D)	41	0	(D)	(D)	53	(D)	3
Other industries	**80,042**	**15,297**	**42,198**	**4,149**	**2,572**	(D)	(D)	**26,763**	**1,439**	(D)	(D)	**18,690**	**11,196**	**6,627**	(D)
Agriculture, forestry, and fishing	5,227	274	2,924	688	537	244	511	451	979	69	274	705	0	628	0
Mining	16,961	4,806	8,994	374	604	(D)	2	6,515	50	(D)	(D)	1,617	720	(D)	14
Coal	2,546	280	1,919	1	(D)	47	2	1,102	0	2	(D)	(D)	3	(D)	0
Other	14,415	4,525	7,075	373	(D)	(D)	0	5,413	50	(D)	0	(D)	717	(D)	14
Construction	14,796	936	9,321	1,052	965	107	121	6,324	32	3	(D)	4,066	(D)	3,247	(D)
Transportation	25,500	6,756	6,932	395	466	81	(D)	(D)	209	3	(D)	11,465	10,021	1,272	(D)
Communication and public utilities	17,558	2,525	14,026	1,640	1	0	(D)	(D)	168	0	3	836	(D)	(D)	0

D Suppressed to avoid disclosure of individual companies.
* Less than $500,000.

NOTE—Estimates for 1990 are revised.

Table 12.2.—Total Assets of Nonbank U.S. Affiliates, Industry of Affiliate by Country of Ultimate Beneficial Owner, 1991

[Millions of dollars]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	**1,743,762**	**234,439**	**873,770**	**160,737**	**118,267**	**98,933**	**116,260**	**284,563**	**39,824**	(D)	**23,583**	**516,560**	**47,591**	**436,949**	(D)
Petroleum	**102,052**	**8,112**	**67,177**	**5,913**	**1,110**	(D)	**653**	**23,388**	**7,012**	(D)	**7,782**	**8,773**	(D)	**1,803**	(D)
Petroleum and coal products manufacturing	68,080	(D)	56,904	(D)	188	(D)	(D)	(D)	(D)	0	(D)	(D)	(D)	8	0
Other	33,973	(D)	10,273	(D)	922	686	(D)	(D)	(D)	(D)	(D)	(D)	891	1,794	(D)
Manufacturing	**448,592**	**72,845**	**276,917**	**44,129**	**43,586**	**21,169**	**34,905**	**100,048**	**7,067**	**1,599**	**611**	**89,191**	**12,086**	**69,543**	**362**
Food and kindred products	48,178	9,913	31,333	2,286	348	1,489	(D)	18,092	(D)	(D)	0	6,495	1,674	3,180	0
Beverages	19,356	(D)	8,832	943	107	0	(D)	1,497	(D)	0	0	(D)	(D)	926	0
Other	28,822	(D)	22,501	1,343	242	1,489	444	16,595	281	(D)	0	(D)	(D)	2,254	0
Chemicals and allied products	144,412	(D)	96,879	7,771	21,641	12,624	14,485	31,789	(D)	0	(D)	11,140	142	8,433	19
Industrial chemicals and synthetics	85,581	(D)	45,104	(D)	15,946	3,411	225	(D)	(D)	0	0	6,770	0	4,585	3
Drugs	31,333	(D)	27,052	(D)	(D)	74	13,625	9,587	(D)	0	(D)	2,052	90	1,962	0
Soap, cleaners, and toilet goods	15,444	(D)	14,127	(D)	3,078	(D)	(D)	(D)	(D)	0	3	1,085	25	1,061	0
Other	12,054	209	10,597	238	(D)	(D)	(D)	7,935	0	0	0	1,233	27	826	16
Primary and fabricated metals	50,931	5,146	22,042	9,707	3,571	712	1,491	4,254	2,608	(D)	(D)	19,830	5,710	12,900	0
Primary metal industries	33,210	4,481	9,206	(D)	818	4	1,112	3,077	(D)	(D)	0	17,745	5,316	11,352	0
Ferrous	18,889	1,744	2,847	1,190	216	4	0	534	(D)	(D)	0	13,805	(D)	10,743	0
Nonferrous	14,321	2,737	6,359	(D)	601	0	1,112	2,543	(D)	(D)	0	3,940	(D)	609	0
Fabricated metal products	17,721	665	12,836	(D)	2,754	709	379	1,177	(D)	0	(D)	2,086	393	1,548	0
Machinery	79,426	6,261	49,251	7,380	9,364	(D)	7,740	10,774	264	(D)	298	23,076	1,310	20,638	(D)
Machinery, except electrical	35,096	(D)	18,906	1,806	3,645	135	(D)	5,564	260	(D)	201	14,454	(D)	13,847	42
Office and computing machines	11,036	(D)	3,975	(D)	229	64	48	(D)	136	0	(D)	6,571	0	6,158	0
Other	24,059	771	14,930	(D)	3,417	71	(D)	(D)	124	(D)	(D)	7,883	(D)	7,689	42
Electric and electronic equipment	44,331	(D)	30,345	5,574	5,718	(D)	(D)	5,210	4	(D)	97	8,621	(D)	6,791	(D)
Audio, video, and communications equipment	12,031	(D)	7,090	(D)	(D)	(D)	(D)	1,343	0	1	(D)	729	101	529	(D)
Electronic components and accessories	8,365	130	4,119	(D)	1,196	296	(D)	1,155	4	(D)	(D)	4,032	21	3,517	21
Other	23,935	(D)	19,136	3,456	(D)	80	(D)	2,712	0	0	0	3,860	(D)	2,745	(D)
Other manufacturing	125,644	(D)	77,411	16,984	8,662	(D)	(D)	35,138	2,412	2	223	28,650	3,250	24,393	(D)
Textile products and apparel	6,265	1,238	3,239	199	437	136	264	1,620	299	0	(D)	1,379	0	1,366	(D)
Lumber, wood, furniture, and fixtures	2,635	473	1,797	(D)	280	0	32	1,028	3	0	(D)	329	27	255	(D)
Paper and allied products	10,245	2,488	5,171	40	344	(D)	(D)	1,158	42	0	(D)	2,353	(D)	1,436	(D)
Printing and publishing	25,422	8,750	15,301	(D)	1,805	(D)	(D)	10,557	(D)	0	(*)	1,207	(D)	(D)	(D)
Newspapers	(D)	(D)	37	0	3	0	0	29	2	0	(*)	1	0	1	0
Other	(D)	(D)	15,263	(D)	1,802	(D)	(D)	10,527	(D)	0	0	1,206	(D)	(D)	(D)
Rubber products	11,478	(D)	5,776	(D)	(D)	(D)	35	(D)	1	0	0	(D)	0	(D)	0
Miscellaneous plastics products	6,340	706	3,458	923	570	46	27	1,292	118	0	0	2,058	10	2,035	0
Stone, clay, and glass products	25,835	(D)	17,781	6,830	1,549	339	1,526	5,501	(D)	0	0	6,223	2,269	3,896	0
Transportation equipment	16,443	2,489	7,231	2,102	892	(D)	0	3,057	5	0	11	6,703	0	6,571	6
Motor vehicles and equipment	11,174	1,562	3,052	(D)	(D)	0	0	659	3	0	0	6,557	0	6,557	0
Other transportation equipment	5,269	926	4,178	(D)	(D)	(D)	0	2,398	1	0	11	146	0	14	6
Instruments and related products	15,917	137	14,230	729	1,364	12	1,579	9,163	1	0	0	1,549	7	1,421	0
Other	5,065	100	3,428	479	(D)	4	222	(D)	(D)	2	0	(D)	(D)	864	0
Wholesale trade	**173,898**	**4,543**	**55,863**	**9,381**	**19,197**	**3,369**	**2,979**	**12,429**	**2,378**	**1,912**	**212**	**108,296**	**1,755**	**99,187**	**694**
Motor vehicles and equipment	53,793	(D)	15,388	39	11,893	28	0	903	21	0	52	38,141	(D)	36,839	(D)
Professional and commercial equipment and supplies	9,699	46	2,520	58	595	343	199	(D)	47	0	67	7,014	0	6,595	5
Metals and minerals, except petroleum	15,367	(D)	4,672	913	1,858	215	89	865	288	(D)	0	9,301	(D)	8,027	0
Electrical goods	31,865	488	1,577	178	361	53	80	76	83	0	(*)	29,716	0	27,835	0
Machinery, equipment, and supplies	17,247	381	5,561	139	1,475	476	619	1,666	396	(D)	(D)	10,417	21	9,736	394
Other durable goods	13,254	(D)	6,803	583	377	(D)	368	3,785	814	(D)	0	5,430	(D)	5,022	0
Groceries and related products	6,308	(D)	3,693	403	1,490	254	39	1,202	245	(D)	(D)	2,001	0	1,689	18
Farm-product raw materials	9,647	16	7,510	(D)	69	56	1,358	(D)	100	0	0	2,022	(*)	1,805	0
Other nondurable goods	16,719	(D)	8,138	(D)	1,079	(D)	227	2,447	384	(D)	5	4,255	1,579	1,639	(D)
Retail trade	**51,152**	**16,285**	**25,179**	**1,624**	**7,542**	**4,448**	(D)	**6,593**	**2,100**	(D)	**566**	**6,954**	(D)	**6,289**	(D)
General merchandise stores	13,560	(D)	1,952	66	(D)	(D)	(D)	261	(D)	0	0	826	0	814	0
Food stores	17,267	1,487	11,862	508	5,454	(D)	0	(D)	(D)	0	2	(D)	(D)	(D)	0
Apparel and accessory stores	6,364	1,924	3,306	200	76	(D)	(D)	1,872	(D)	0	0	(D)	5	403	2
Other	13,960	(D)	8,059	850	(D)	1,170	11	(D)	1,355	(D)	564	(D)	(D)	(D)	(D)
Finance, except banking	**377,086**	**34,978**	**136,245**	**11,538**	**17,386**	**3,570**	**51,571**	**38,755**	(D)	**18**	(D)	**191,581**	**4,059**	**179,640**	(D)
Insurance	**302,859**	**52,629**	**200,132**	(D)	**19,870**	**26,678**	**17,888**	**45,329**	(D)	**0**	**0**	**3,928**	(D)	**1,814**	(D)
Real estate	**114,238**	**25,458**	**26,815**	**532**	**3,259**	**7,206**	**2,357**	**10,121**	**3,790**	(D)	**11,064**	**46,100**	**1,663**	**40,589**	(D)
Services	**91,006**	**3,248**	**40,351**	**6,039**	**968**	**689**	**3,610**	**20,710**	**2,645**	(D)	**1,063**	**43,322**	(D)	**30,891**	(D)
Hotels and other lodging places	28,452	220	7,762	3,080	26	67	133	4,021	575	(D)	828	18,970	0	16,028	(D)
Business services	19,483	739	14,179	1,327	118	541	2,841	8,427	1,907	(*)	(D)	2,303	492	1,767	(D)
Computer and data processing services	5,852	479	4,451	221	102	(D)	2,572	1,084	(D)	0	(D)	539	7	490	0
Other business services	13,630	259	9,728	1,105	16	(D)	269	7,343	(D)	(*)	(D)	1,764	485	1,277	(D)
Motion pictures, including television tape and film	24,950	732	(D)	4	6	6	18	3,921	92	0	0	(D)	(D)	(D)	9
Engineering, architectural, and surveying services	4,048	115	3,694	1,154	475	36	(D)	997	4	0	11	221	0	221	2
Accounting, research, management, and related services	2,026	73	1,150	358	(D)	36	113	511	24	2	0	778	36	704	0
Health services	1,880	565	(D)	0	(D)	0	(D)	(D)	0	0	0	(D)	2	(D)	0
Other services	10,168	804	6,315	117	9	2	36	(D)	42	0	(D)	(D)	70	(D)	(D)
Other industries	**82,879**	**16,339**	**45,092**	(D)	**5,348**	(D)	(D)	**27,191**	(D)	(D)	(D)	**18,415**	**10,287**	**7,194**	(D)
Agriculture, forestry, and fishing	4,921	290	2,500	370	512	255	520	435	1,028	64	290	749	0	671	0
Mining	19,117	4,914	12,579	408	(D)	(D)	3	7,133	5	(D)	(D)	(D)	386	(D)	14
Coal	5,298	266	4,758	1	(D)	48	3	894	0	2	(D)	(D)	3	28	0
Other	13,819	4,648	7,821	407	70	(D)	0	6,239	5	(D)	0	(D)	383	(D)	14
Construction	13,965	776	8,668	941	762	109	134	5,957	80	3	(D)	4,089	123	3,293	(D)
Transportation	26,294	7,660	7,027	243	(D)	187	(D)	1,830	348	4	(D)	11,115	(D)	1,386	(D)
Communication and public utilities	18,581	2,700	14,317	(D)	1	0	259	11,835	(D)	0	3	(D)	(D)	(D)	0

(D) Suppressed to avoid disclosure of individual companies.

* Less than $500,000.

NOTE—Estimates for 1991 are preliminary.

Table 13.1.—Gross Product of U.S. Affiliates, Industry of Affiliate by Country of UBO, 1990

[Millions of dollars]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	**243,227**	**39,163**	**141,979**	**15,051**	**24,409**	**18,687**	**15,158**	**53,746**	**8,670**	**1,254**	**3,104**	**46,526**	**8,055**	**34,806**	**2,530**
Petroleum	**26,712**	(D)	**18,976**	(D)	**106**	(D)	(D)	**8,279**	**2,927**	(D)	**1,938**	**795**	(D)	**16**	(D)
Petroleum and coal products manufacturing	20,461	(D)	17,004	(D)	26	(D)	(D)	(D)	465	0	(D)	(D)	(D)	3	0
Other	6,252	(D)	1,972	(D)	79	287	126	(D)	2,462	(D)	(D)	(D)	136	13	(D)
Manufacturing	**119,704**	**20,968**	**76,287**	**9,562**	**14,305**	**6,078**	**10,768**	**27,699**	**2,819**	**513**	**170**	**18,842**	**2,321**	**14,933**	**104**
Food and kindred products	10,944	1,743	7,954	612	101	632	(D)	4,196	83	(D)	0	1,093	178	542	(D)
Beverages	3,452	(D)	2,117	349	29	0	(D)	186	−1	0	0	340	(D)	171	(D)
Other	7,493	(D)	5,837	263	73	632	294	4,010	83	(D)	0	753	(D)	371	0
Chemicals and allied products	37,387	(D)	25,070	1,483	6,913	2,601	4,426	8,721	(D)	0	17	1,474	24	1,183	1
Industrial chemicals and synthetics	22,369	(D)	11,072	(D)	5,257	(D)	79	3,278	66	0	0	(D)	0	723	1
Drugs	8,934	−6	8,347	(D)	252	(D)	4,056	3,402	(D)	0	17	(D)	7	179	0
Soap, cleaners, and toilet goods	3,537	73	3,363	17	1,179	(D)	(D)	(D)	−1	0	(*)	102	10	92	0
Other	2,547	38	2,288	37	226	(D)	(D)	(D)	0	0	0	221	7	189	(*)
Primary and fabricated metals	14,623	1,773	6,754	2,614	1,255	474	578	1,151	(D)	(D)	(D)	4,581	859	3,532	0
Primary metal industries	8,319	1,462	2,267	(D)	302	0	442	614	(D)	(D)	0	4,046	(D)	3,205	0
Ferrous	4,566	489	725	311	66	0	0	136	(D)	(D)	0	3,213	43	3,042	0
Nonferrous	3,753	973	1,543	(D)	236	0	442	478	(D)	(D)	0	834	(D)	163	0
Fabricated metal products	6,304	311	4,486	(D)	954	474	135	537	(D)	(D)	(D)	534	(D)	327	0
Machinery	23,219	2,511	14,974	1,133	3,053	(D)	2,736	3,557	82	(D)	(D)	5,496	293	4,563	(D)
Machinery, except electrical	10,130	298	5,747	393	922	29	(D)	1,812	83	(D)	(D)	3,888	23	3,274	8
Office and computing machines	3,189	25	947	(D)	118	−2	30	457	(D)	0	(D)	2,144	0	2,017	0
Other	6,941	273	4,800	(D)	804	31	(D)	1,355	(D)	(D)	(D)	1,744	23	1,257	8
Electric and electronic equipment	13,089	2,214	9,227	739	2,131	(D)	(D)	1,745	−1	1	(D)	1,609	269	1,288	(D)
Audio, video, and communications equipment	4,766	(D)	2,570	(D)	(D)	(D)	28	361	0	−8	26	(D)	(D)	185	1
Electronic components and accessories	2,274	(D)	1,353	(D)	658	131	15	349	−1	9	−1	848	15	804	(D)
Other	6,048	(D)	5,303	150	(D)	18	(D)	1,035	0	0	(D)	(D)	(D)	299	1
Other manufacturing	33,530	(D)	21,536	3,721	2,981	(D)	(D)	10,075	1,117	(*)	(D)	6,199	967	5,112	(D)
Textile products and apparel	2,046	343	1,194	86	235	16	59	648	140	0	6	350	0	338	12
Lumber, wood, furniture, and fixtures	879	88	581	34	133	0	15	378	0	0	1	208	(D)	52	0
Paper and allied products	3,189	386	2,171	24	101	(D)	(D)	518	10	0	(D)	553	(D)	342	(D)
Printing and publishing	5,462	2,764	2,340	(D)	563	(D)	(D)	1,260	17	0	(*)	(D)	(D)	(D)	(D)
Newspapers	1,140	1,122	(D)	0	2	0	0	(D)	(D)	0	(*)	(*)	0	(*)	0
Other	4,321	1,642	(D)	(D)	562	(D)	(D)	(D)	(D)	0	0	(D)	(D)	(D)	(D)
Rubber products	3,976	(D)	2,244	1,398	(D)	218	10	(D)	0	0	0	(D)	0	(D)	0
Miscellaneous plastics products	1,225	199	819	121	(D)	(D)	15	317	26	0	0	180	2	173	0
Stone, clay, and glass products	5,958	(D)	3,891	1,117	509	84	310	1,488	(D)	0	0	1,199	533	664	0
Transportation equipment	3,849	322	1,945	402	167	22	23	1,046	−1	0	2	1,579	0	1,644	2
Motor vehicles and equipment	2,645	285	719	(D)	(D)	0	23	260	0	0	0	1,641	0	1,641	0
Other transportation equipment	1,205	37	1,226	(D)	(D)	22	0	786	−1	0	2	−62	0	3	2
Instruments and related products	4,319	70	4,018	281	522	−5	329	2,559	1	0	0	230	4	208	0
Other	2,628	31	2,333	(D)	3	2	115	(D)	(D)	(*)	0	(D)	(D)	81	0
Wholesale trade	**24,392**	**982**	**10,809**	**1,366**	**3,914**	**627**	**645**	**2,667**	**644**	**249**	**66**	**11,480**	**244**	**10,638**	**162**
Motor vehicles and equipment	6,451	29	2,209	−18	1,895	1	0	121	8	0	(D)	4,175	(D)	3,989	(D)
Professional and commercial equipment and supplies	1,873	19	716	3	183	115	72	265	−4	0	26	1,118	0	1,096	−1
Metals and minerals, except petroleum	1,729	(D)	943	138	416	41	14	170	−1	(D)	0	496	3	449	0
Electrical goods	4,154	8	722	60	(D)	5	26	97	15	0	(*)	3,409	0	3,295	0
Machinery, equipment, and supplies	1,873	122	793	49	282	14	160	32	130	(D)	(D)	728	2	700	50
Other durable goods	2,063	46	1,238	124	69	(D)	102	662	142	6	0	631	(D)	582	0
Groceries and related products	1,596	(D)	1,291	149	(D)	80	10	365	40	(D)	6	149	0	102	(D)
Farm-product raw materials	966	1	761	(D)	13	16	(D)	45	2	0	0	202	(*)	194	0
Other nondurable goods	3,687	389	2,136	(D)	219	(D)	(D)	909	314	(D)	4	572	(D)	232	(D)
Retail trade	**17,130**	**5,753**	**10,002**	**592**	**3,967**	**1,433**	(D)	**1,841**	**421**	**7**	(D)	**818**	**36**	**654**	(D)
General merchandise stores	3,476	(D)	511	(D)	(D)	(D)	(D)	74	(D)	0	0	(D)	(D)	71	0
Food stores	7,092	817	6,086	200	3,362	(D)	0	(D)	(D)	0	1	(D)	(D)	30	0
Apparel and accessory stores	1,880	621	989	53	43	(D)	53	391	104	0	0	165	1	(D)	2
Other	4,682	(D)	2,417	(D)	(D)	269	5	(D)	265	7	(D)	637	(D)	(D)	(D)
Finance, except banking	**5,014**	**726**	**1,406**	**36**	**89**	**76**	**502**	**924**	**627**	**−1**	**18**	**2,149**	**−30**	**2,110**	**89**
Insurance	**9,545**	**2,498**	**5,369**	**44**	**297**	**1,037**	**827**	**2,821**	**64**	**0**	(D)	**218**	(D)	**86**	(D)
Real estate	**6,349**	**1,814**	**1,384**	**29**	**241**	**384**	**98**	**473**	**175**	**10**	**538**	**2,385**	**83**	**2,125**	**44**
Services	**16,690**	**951**	**10,924**	**1,234**	**457**	**355**	**1,677**	**5,398**	**761**	**6**	**143**	**3,837**	**652**	**2,745**	**67**
Hotels and other lodging places	2,456	(D)	688	(D)	(D)	6	11	454	48	4	132	1,530	0	1,178	(D)
Business services	7,341	219	6,076	612	55	305	1,414	3,200	681	(*)	8	315	(D)	150	43
Computer and data processing services	2,284	71	1,935	346	48	(D)	(D)	403	(D)	0	8	(D)	−6	(D)	6
Other business services	5,058	148	4,141	266	8	(D)	(D)	2,797	(D)	(*)	(*)	(D)	(D)	(D)	37
Motion pictures, including television tape and film	1,905	(D)	256	(*)	(*)	1	5	281	27	0	0	(D)	(D)	(D)	1
Engineering, architectural, and surveying services	1,568	109	1,356	311	220	26	(D)	411	1	0	−1	99	0	95	3
Accounting, research, management. and related services	434	17	340	80	14	13	53	169	−12	3	0	86	−1	81	0
Health services	1,025	352	(D)	0	(D)	0	(D)	(D)	0	0	0	(D)	−1	(D)	0
Other services	1,961	(D)	(D)	(D)	−1	4	35	(D)	16	0	4	165	11	89	(D)
Other industries	**17,690**	(D)	**6,822**	(D)	**1,034**	(D)	(D)	**3,643**	**231**	(D)	(D)	**6,002**	(D)	**1,501**	(D)
Agriculture, forestry, and fishing	843	(D)	451	119	72	27	(D)	138	(D)	5	29	159	0	139	0
Mining	3,459	860	2,039	90	(D)	358	1	1,319	−29	(D)	(D)	470	97	373	(*)
Coal	522	91	353	2	(D)	(D)	1	166	0	(*)	(D)	(D)	1	20	0
Other	2,938	768	1,686	88	−2	(D)	0	1,152	−29	(D)	0	(D)	96	353	(*)
Construction	4,061	395	2,450	414	678	42	26	1,043	19	1	(D)	910	(D)	459	(D)
Transportation	7,359	2,019	923	143	132	(D)	(D)	534	58	4	(D)	4,271	3,771	408	(D)
Communication and public utilities	1,968	(D)	959	(D)	(D)	0	(D)	609	(D)	0	1	192	(D)	122	0

* Less than $500,000 (±).

D Suppressed to avoid disclosure of data of individual companies.

NOTE.—Estimates for 1990 are revised.

Table 13.2.—Gross Product of U.S. Affiliates, Industry of Affiliate by Country of UBO, 1991

[Millions of dollars]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
All industries	**258,370**	**39,185**	**151,077**	**18,282**	**26,001**	**18,948**	**15,897**	**54,711**	**8,771**	**1,212**	**3,803**	**51,419**	**8,537**	**39,400**	**2,903**
Petroleum	**25,166**	(D)	**16,974**	(D)	**13**	(D)	**99**	**7,107**	**3,283**	(D)	**2,294**	**443**	(D)	**−68**	**381**
Petroleum and coal products manufacturing	18,315	(D)	15,243	(D)	−53	(D)	9	(D)	(D)	0	(D)	(D)	(D)	3	0
Other	6,851	(D)	1,730	(D)	66	268	89	(D)	(D)	(D)	(D)	(D)	170	−71	381
Manufacturing	**124,222**	**19,829**	**81,588**	**10,891**	**14,701**	**6,393**	**11,128**	**29,972**	**2,681**	**481**	**167**	**19,381**	**2,970**	**15,121**	**94**
Food and kindred products	11,965	1,755	8,735	624	126	713	(D)	4,775	81	45	0	1,349	201	707	0
Beverages	3,655	(D)	2,281	(D)	36	0	(D)	270	(D)	0	0	392	140	209	0
Other	8,310	(D)	6,454	(D)	90	713	168	4,505	(D)	45	0	957	61	498	0
Chemicals and allied products	37,986	(D)	26,794	1,612	7,159	2,724	4,784	9,486	(D)	0	24	1,532	35	1,314	1
Industrial chemicals and synthetics	21,402	(D)	11,561	(D)	5,380	(D)	92	3,461	71	0	0	(D)	0	774	1
Drugs	10,063	(D)	9,202	(D)	317	6	4,384	3,742	(D)	0	24	(D)	9	220	0
Soap, cleaners, and toilet goods	3,632	76	3,416	10	1,074	(D)	(D)	(D)	−1	0	(*)	140	19	121	0
Other	2,889	35	2,616	45	388	(D)	(D)	(D)	0	0	0	237	7	198	(*)
Primary and fabricated metals	14,751	(D)	6,759	2,726	1,286	375	470	1,149	(D)	(D)	13	4,796	1,576	3,012	0
Primary metal industries	8,338	1,388	2,326	(D)	319	−2	324	566	(D)	(D)	0	4,120	(D)	2,591	0
Ferrous	4,832	465	801	289	76	−2	0	150	(D)	(D)	0	3,457	(D)	2,445	0
Nonferrous	3,506	923	1,525	(D)	244	0	324	416	(D)	(D)	0	663	(D)	146	0
Fabricated metal products	6,413	(D)	4,433	(D)	967	377	145	583	(D)	0	13	676	(D)	421	0
Machinery	24,277	2,713	16,265	2,000	3,227	(D)	2,820	3,705	49	(D)	(D)	5,121	288	4,604	24
Machinery, except electrical	9,992	353	6,284	578	1,212	32	(D)	1,953	50	(D)	(D)	3,206	30	3,079	8
Office and computing machines	2,978	86	1,336	(D)	106	−1	27	(D)	(D)	0	(D)	1,545	0	1,469	0
Other	7,014	267	4,948	(D)	1,105	33	(D)	(D)	(D)	(D)	(D)	1,661	30	1,611	8
Electric and electronic equipment	14,285	2,360	9,981	1,422	2,016	(D)	(D)	1,752	−1	−9	23	1,915	257	1,525	16
Audio, video, and communications equipment	5,073	(D)	2,835	(D)	(D)	(D)	32	355	0	−8	23	(D)	(D)	158	1
Electronic components and accessories	1,783	50	1,033	(D)	372	116	58	320	−1	−1	−1	688	16	578	14
Other	7,429	(D)	6,113	813	(D)	29	(D)	1,076	0	0	0	(D)	(D)	789	1
Other manufacturing	35,243	(D)	23,036	3,929	2,902	(D)	(D)	10,857	891	(*)	(D)	6,584	870	5,484	68
Textile products and apparel	2,352	355	1,356	78	226	51	69	704	206	0	27	396	0	391	14
Lumber, wood, furniture, and fixtures	810	104	574	28	144	0	15	339	3	0	(D)	118	32	76	(D)
Paper and allied products	3,353	464	2,278	31	91	(D)	(D)	590	16	0	(D)	537	(D)	320	(D)
Printing and publishing	5,445	2,619	2,434	(D)	(D)	(D)	(D)	1,500	17	0	(*)	348	(D)	(D)	26
Newspapers	965	(D)	(D)	0	2	0	0	(D)	3	0	(*)	(*)	0	(*)	0
Other	4,480	(D)	(D)	(D)	(D)	(D)	(D)	(D)	14	0	0	348	(D)	(D)	26
Rubber products	3,294	(D)	1,929	(D)	(D)	(D)	13	(D)	2	0	0	(D)	0	(D)	0
Miscellaneous plastics products	1,378	190	920	130	216	21	13	376	29	0	0	239	2	232	0
Stone, clay, and glass products	5,712	(D)	3,917	1,282	499	105	227	1,285	(D)	0	0	1,197	497	695	0
Transportation equipment	4,413	634	1,934	494	212	21	0	810	−3	0	2	1,843	0	1,830	2
Motor vehicles and equipment	3,094	(D)	839	(D)	(D)	0	0	221	−2	0	0	(D)	0	1,828	0
Other transportation equipment	1,318	(D)	1,095	(D)	(D)	21	0	589	−1	0	2	(D)	0	3	2
Instruments and related products	5,965	65	5,555	297	634	−5	435	3,609	1	0	0	344	4	290	0
Other	2,520	51	2,138	204	35	2	108	(D)	(D)	(*)	0	(D)	(D)	143	0
Wholesale trade	**26,354**	**908**	**10,864**	**1,490**	**4,092**	**769**	**645**	**2,466**	**546**	**341**	**75**	**13,504**	**258**	**12,454**	**117**
Motor vehicles and equipment	7,257	11	2,231	−4	2,015	8	0	(D)	5	0	14	5,035	(D)	4,844	−39
Professional and commercial equipment and supplies	2,174	35	742	21	203	121	74	246	−4	0	28	1,373	0	1,351	(*)
Metals and minerals, except petroleum	1,689	(D)	879	110	446	38	(*)	187	−3	(D)	0	544	3	492	0
Electrical goods	4,541	42	599	54	(D)	12	26	21	4	0	(*)	3,896	0	3,761	0
Machinery, equipment, and supplies	1,944	94	941	49	287	29	159	204	111	(D)	26	679	2	643	(D)
Other durable goods	2,458	45	1,533	135	85	(D)	69	855	109	5	0	766	(D)	704	0
Groceries and related products	1,680	(D)	1,307	184	(D)	93	10	310	30	(D)	6	224	0	156	3
Farm-product raw materials	1,091	1	887	(D)	12	17	(D)	40	2	0	0	201	(*)	189	0
Other nondurable goods	3,520	331	1,744	(D)	191	(D)	(D)	(D)	290	(D)	1	786	203	314	(D)
Retail trade	**20,450**	**6,102**	**10,863**	**796**	**4,144**	**1,699**	(D)	**1,863**	**461**	**7**	(D)	**2,899**	(D)	**2,565**	(D)
General merchandise stores	4,098	(D)	498	17	(D)	(D)	(D)	85	(D)	0	0	221	0	219	0
Food stores	9,601	898	6,865	293	(D)	(D)	0	(D)	(D)	0	1	(D)	(D)	(D)	0
Apparel and accessory stores	2,011	585	1,099	70	53	(D)	30	501	161	0	0	164	1	(D)	2
Other	4,740	(D)	2,402	416	(D)	260	6	(D)	244	7	(D)	(D)	(D)	490	(D)
Finance, except banking	**6,877**	**748**	**1,739**	**76**	**128**	**20**	**1,042**	**1,061**	**523**	**2**	**119**	**3,637**	**62**	**3,539**	**110**
Insurance	**11,889**	(D)	**7,217**	(D)	**70**	**1,278**	**781**	**3,235**	**62**	**0**	**0**	**172**	(D)	**105**	(D)
Real estate	**5,834**	**1,873**	**1,047**	**6**	**224**	**341**	**130**	**220**	**178**	**11**	**789**	**1,898**	**107**	**1,635**	**39**
Services	**16,820**	**1,129**	**10,841**	**1,461**	**563**	**363**	**1,603**	**4,963**	**709**	**1**	**165**	**3,887**	**837**	**2,563**	**88**
Hotels and other lodging places	2,875	(D)	938	(D)	(D)	7	24	499	65	−1	(D)	1,648	0	1,251	(D)
Business services	7,227	305	5,739	575	68	316	1,393	2,858	621	−1	43	458	(D)	312	63
Computer and data processing services	2,253	117	1,773	290	57	(D)	(D)	279	(D)	0	40	(D)	−7	96	0
Other business services	4,974	187	3,966	285	11	(D)	(D)	2,579	(D)	−1	2	(D)	(D)	216	63
Motion pictures, including television tape and film	1,274	(D)	−67	(*)	(*)	3	5	102	20	0	0	(D)	(D)	(D)	2
Engineering, architectural, and surveying services	1,757	94	1,601	332	272	27	(D)	441	(*)	0	−1	60	0	60	4
Accounting, research, management, and related services	480	14	364	108	28	8	36	179	−13	3	0	112	(*)	107	0
Health services	1,259	(D)	(D)	0	(D)	0	(D)	(D)	0	0	0	(D)	−1	(D)	0
Other services	1,949	180	(D)	(D)	−1	4	9	(D)	16	0	(D)	(D)	24	140	(D)
Other industries	**20,756**	(D)	**9,945**	**1,019**	**2,067**	(D)	(D)	**3,825**	**328**	(D)	(D)	**5,598**	**3,550**	**1,486**	(D)
Agriculture, forestry, and fishing	837	(D)	379	53	67	49	47	104	(D)	(D)	27	187	0	155	0
Mining	4,626	950	3,290	49	(D)	390	1	1,386	(*)	2	42	343	48	294	(*)
Coal	1,628	32	1,548	2	(D)	(D)	1	174	0	(*)	42	7	1	6	0
Other	2,998	918	1,742	47	−4	(D)	0	1,211	(*)	2	0	336	48	288	(*)
Construction	3,948	(D)	2,404	503	(D)	37	31	1,024	13	1	(D)	867	37	393	(D)
Transportation	9,294	2,287	2,827	110	119	(D)	(D)	612	73	4	(D)	4,007	3,416	499	(D)
Communication and public utilities	2,051	(D)	1,045	304	1	0	31	698	(D)	0	1	194	49	145	0

* Less than $500,000 (±).

D Suppressed to avoid disclosure of data of individual companies.

NOTE.—Estimates for 1991 are preliminary.

Table 14.—Gross Product of U.S. Affiliates, Industry by Component, 1990 and 1991

[Millions of dollars]

	1990 r						1991 p					
	Total	Employee compensation	Profit-type return	Net interest paid	Indirect business taxes	Capital consumption adjustment	Total	Employee compensation	Profit-type return	Net interest paid	Indirect business taxes	Capital consumption adjustment
All industries	**243,227**	**163,592**	**–346**	**23,328**	**25,324**	**31,330**	**258,370**	**173,911**	**–2,839**	**24,882**	**28,029**	**34,386**
Petroleum	**26,712**	**6,457**	**5,492**	**1,700**	**8,612**	**4,451**	**25,166**	**6,753**	**2,531**	**1,676**	**9,833**	**4,372**
Petroleum and coal products manufacturing	20,461	4,481	4,253	1,165	7,026	3,536	18,315	4,527	1,728	1,093	7,749	3,217
Other	6,252	1,976	1,239	535	1,587	915	6,851	2,225	803	583	2,084	1,155
Manufacturing	**119,704**	**88,730**	**346**	**10,015**	**6,327**	**14,286**	**124,222**	**91,884**	**–141**	**10,301**	**6,540**	**15,638**
Food and kindred products	10,944	7,290	–351	1,195	1,689	1,121	11,965	7,512	225	1,263	1,723	1,242
Beverages	3,452	2,046	–292	484	879	336	3,655	2,133	–208	524	857	349
Other	7,493	5,244	–58	711	811	785	8,310	5,380	432	739	866	893
Chemicals and allied products	37,387	23,817	4,481	2,595	1,535	4,959	37,986	24,501	4,036	2,392	1,695	5,362
Industrial chemicals and synthetics	22,369	14,062	1,646	1,646	1,235	3,780	21,402	13,799	873	1,421	1,380	3,929
Drugs	8,934	5,427	2,285	450	181	592	10,063	6,038	2,657	465	186	717
Soap, cleaners, and toilet goods	3,537	2,513	360	289	50	325	3,632	2,671	258	276	56	370
Other	2,547	1,815	191	210	69	262	2,889	1,993	249	230	72	345
Primary and fabricated metals	14,623	11,157	393	1,130	522	1,422	14,751	11,747	–553	1,256	476	1,823
Primary metal industries	8,319	6,272	395	407	309	937	8,338	6,785	–542	490	339	1,264
Ferrous	4,566	3,637	47	216	204	462	4,832	4,182	–593	277	233	734
Nonferrous	3,753	2,634	348	191	104	475	3,506	2,604	51	214	106	531
Fabricated metal products	6,304	4,885	–2	723	214	484	6,413	4,962	–11	766	137	559
Machinery	23,219	20,965	–2,824	1,258	888	2,932	24,277	21,309	–1,909	1,282	873	2,722
Machinery, except electrical	10,130	9,009	–1,296	630	479	1,309	9,992	9,069	–1,292	632	441	1,142
Office and computing machines	3,189	3,005	–942	214	231	682	2,978	2,999	–909	206	209	473
Other	6,941	6,004	–354	416	248	627	7,014	6,070	–383	426	232	669
Electric and electronic equipment	13,089	11,956	–1,528	628	410	1,624	14,285	12,239	–617	650	433	1,580
Audio, video, and communications equipment	4,766	4,068	–211	215	172	522	5,073	3,924	230	205	187	528
Electronic components and accessories	2,274	2,262	–680	88	119	485	1,783	1,778	–458	84	80	298
Other	6,048	5,625	–637	326	118	616	7,429	6,537	–389	361	166	754
Other manufacturing	33,530	25,502	–1,353	3,837	1,692	3,852	35,243	26,815	–1,940	4,107	1,772	4,489
Textile products and apparel	2,046	1,449	–38	311	55	268	2,352	1,595	39	369	66	284
Lumber, wood, furniture, and fixtures	879	579	101	99	27	73	810	620	–38	111	25	92
Paper and allied products	3,189	1,955	217	535	92	390	3,353	2,159	68	545	100	481
Printing and publishing	5,462	4,391	–189	727	88	445	5,445	4,377	–239	739	83	485
Newspapers	1,140	744	170	140	7	79	965	762	(D)	(D)	(D)	(D)
Other	4,321	3,647	–359	587	80	366	4,480	3,615	(D)	(D)	(D)	(D)
Rubber products	3,976	3,487	–504	338	249	406	3,294	3,285	–917	258	211	457
Miscellaneous plastics products	1,225	926	–21	117	40	163	1,378	1,164	(D)	123	(D)	231
Stone, clay, and glass products	5,958	4,762	–819	787	232	996	5,712	4,561	–948	864	217	1,018
Transportation equipment	3,849	3,330	–547	161	250	655	4,413	3,636	–567	246	262	835
Motor vehicles and equipment	2,645	2,179	–396	80	219	562	3,094	2,373	–367	142	225	721
Other transportation equipment	1,205	1,151	–151	81	31	93	1,318	1,263	–199	104	37	113
Instruments and related products	4,319	3,210	(D)	463	(D)	309	5,965	4,276	523	576	141	450
Other	2,628	1,413	(D)	299	(D)	147	2,520	1,141	(D)	276	(D)	156
Wholesale trade	**24,392**	**15,795**	**–196**	**1,098**	**4,691**	**3,004**	**26,354**	**17,397**	**–285**	**1,138**	**4,342**	**3,762**
Motor vehicles and equipment	6,451	3,215	81	175	1,786	1,194	7,257	3,522	203	289	1,653	1,589
Professional and commercial equipment and supplies	1,873	1,459	–77	63	257	172	2,174	1,735	–90	64	229	236
Metals and minerals, except petroleum	1,729	1,187	9	98	281	155	1,689	1,239	–41	51	261	179
Electrical goods	4,154	2,985	–314	123	792	568	4,541	3,689	–463	26	669	620
Machinery, equipment, and supplies	1,873	1,517	–245	72	389	140	1,944	1,447	–78	60	375	140
Other durable goods	2,063	1,437	151	7	305	163	2,458	1,623	135	29	382	289
Groceries and related products	1,596	1,185	25	129	112	145	1,680	1,214	77	141	119	130
Farm-product raw materials	966	570	–1	197	103	96	1,091	644	27	214	102	104
Other nondurable goods	3,687	2,240	175	234	666	371	3,520	2,283	–53	263	552	475
Retail trade	**17,130**	**12,500**	**–750**	**2,139**	**1,699**	**1,541**	**20,450**	**13,825**	**127**	**2,102**	**2,545**	**1,851**
General merchandise stores	3,476	2,831	–1,059	1,198	148	358	4,098	2,787	–256	1,068	152	347
Food stores	7,092	4,816	747	279	659	590	9,601	5,970	966	401	1,430	834
Apparel and accessory stores	1,880	1,426	–323	241	335	201	2,011	1,480	–311	229	390	223
Other	4,682	3,427	–115	421	557	393	4,740	3,588	–273	404	573	448
Finance, except banking	**5,014**	**4,821**	**–670**	**493**	**79**	**290**	**6,877**	**5,325**	**194**	**904**	**88**	**366**
Insurance	**9,545**	**5,232**	**2,297**	**624**	**996**	**395**	**11,889**	**6,925**	**1,446**	**1,539**	**1,200**	**780**
Real estate	**6,349**	**1,416**	**–1,927**	**3,533**	**1,394**	**1,933**	**5,834**	**1,378**	**–2,770**	**3,518**	**1,526**	**2,182**
Services	**16,690**	**13,799**	**–2,141**	**1,718**	**696**	**2,618**	**16,820**	**14,853**	**–3,115**	**1,655**	**884**	**2,544**
Hotels and other lodging places	2,456	1,885	–1,020	706	322	562	2,875	2,320	–1,360	742	445	728
Business services	7,341	6,278	–16	198	154	728	7,227	6,315	–224	236	163	736
Computer and data processing services	2,284	1,697	45	30	73	440	2,253	1,705	133	35	42	339
Other business services	5,058	4,581	–60	168	81	289	4,974	4,610	–356	201	121	398
Motion pictures, including television tape and film	1,905	1,698	–962	521	46	602	1,274	1,692	–1,213	404	78	313
Engineering, architectural, and surveying services	1,568	1,373	70	28	24	73	1,757	1,658	–46	34	20	90
Accounting, research, management, and related services	434	415	–49	16	12	41	480	493	–84	15	14	42
Health services	1,025	905	43	16	14	47	1,259	1,129	39	18	19	55
Other services	1,961	1,246	–207	234	123	565	1,949	1,247	–228	206	145	579
Other industries	**17,690**	**14,842**	**–2,797**	**2,007**	**828**	**2,811**	**20,756**	**15,572**	**–825**	**2,048**	**1,071**	**2,891**
Agriculture, forestry, and fishing	843	401	119	136	46	142	837	447	32	151	50	157
Mining	3,459	1,523	798	181	254	703	4,626	2,154	1,068	175	426	804
Coal	522	317	44	2	78	81	1,628	906	241	77	230	175
Other	2,938	1,206	754	179	176	622	2,998	1,249	827	98	196	629
Construction	4,061	3,664	–194	197	101	292	3,948	3,583	–207	152	108	313
Transportation	7,359	8,119	–3,222	769	364	1,329	9,294	8,128	–1,271	824	414	1,198
Communication and public utilities	1,968	1,135	–298	723	63	346	2,051	1,260	–447	746	73	419

r Revised.
p Preliminary.
D Suppressed to avoid disclosure of data of individual companies.

Table 15.1.—Employment by Nonbank U.S. Affiliates, State by Country of Ultimate Beneficial Owner, 1990

[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which:								Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom					Australia	Japan	
Total	**4,734.5**	**739.1**	**2,894.6**	**338.9**	**516.2**	**286.5**	**273.6**	**1,050.9**	**134.5**	**17.1**	**25.3**	**890.6**	**166.2**	**629.2**	**33.1**
New England:															
Connecticut	75.9	7.4	61.0	6.9	12.5	11.4	8.0	17.2	1.1	(*)	.3	5.9	1.2	4.4	.3
Maine	26.6	12.4	11.9	.9	1.0	1.5	.9	5.7	(D)	0	(*)	1.1	.4	.7	(D)
Massachusetts	131.2	22.5	84.4	13.7	13.9	3.1	4.8	38.9	3.7	.4	2.2	17.2	3.7	12.9	.7
New Hampshire	25.9	(D)	15.7	1.2	3.4	1.1	1.0	8.1	.6	(*)	(*)	2.0	.1	1.8	(D)
Rhode Island	13.3	1.1	11.3	.4	1.8	.8	.6	6.3	.1	(*)	(*)	.7	(*)	.6	(*)
Vermont	7.7	2.8	3.8	.5	1.0	.3	1.1	.5	.2	0	0	1.0	(*)	.9	.1
Mideast:															
Delaware	43.1	(D)	10.8	1.1	1.5	.5	.5	5.9	.2	(*)	.9	2.2	.1	1.4	(D)
District of Columbia	11.4	1.9	6.4	.4	.5	.7	.7	3.4	.3	(*)	(*)	2.6	.3	2.3	(*)
Maryland	79.6	18.5	52.3	7.8	8.0	7.3	6.0	17.0	1.9	(*)	.4	6.1	1.9	3.7	.5
New Jersey	227.0	28.6	154.0	15.3	31.1	15.0	27.9	43.5	4.0	(D)	.3	36.4	3.1	28.7	(D)
New York	347.5	57.6	210.4	20.5	37.8	17.1	22.9	89.3	6.6	.4	1.7	62.7	13.5	41.9	8.2
Pennsylvania	221.6	28.6	164.9	24.0	29.3	20.6	7.1	66.7	6.0	.4	1.3	19.7	5.8	13.1	.6
Great Lakes:															
Illinois	245.8	29.8	156.0	12.4	24.2	11.1	26.3	61.7	5.8	.4	.6	51.3	5.6	43.3	1.9
Indiana	126.9	16.0	69.4	15.8	12.6	9.0	4.5	20.5	2.2	.3	.2	38.8	1.5	29.2	.1
Michigan	139.6	21.7	77.1	11.2	23.4	4.4	3.3	25.0	3.6	.5	.1	36.2	11.6	23.4	.5
Ohio	219.1	28.3	131.2	15.8	16.9	13.3	14.9	51.1	9.6	1.1	.2	48.5	6.0	40.1	.3
Wisconsin	81.4	13.2	60.9	6.5	14.9	8.6	8.9	15.4	.6	.1	(*)	6.5	3.0	3.1	(*)
Plains:															
Iowa	32.8	6.0	21.7	1.7	4.0	4.0	1.5	5.9	.2	.5	(*)	4.2	.1	3.2	.3
Kansas	29.6	6.9	18.5	2.5	2.0	1.5	2.6	7.2	.4	.2	.1	3.5	.6	2.1	.1
Minnesota	89.8	10.0	54.5	3.6	12.0	5.4	6.4	21.5	.8	.1	(D)	23.9	(D)	4.6	(D)
Missouri	73.7	17.3	47.1	5.8	6.4	4.4	6.1	16.1	1.3	(*)	.4	6.8	(D)	4.5	.7
Nebraska	14.9	1.7	10.9	1.1	2.4	1.2	1.2	4.6	.3	.1	(*)	1.8	.5	1.1	.1
North Dakota	3.1	1.0	1.6	.2	.3	.2	.1	.7	.1	.1	(*)	.2	.1	.1	(*)
South Dakota	4.5	1.1	2.9	.2	.2	.7	.1	1.6	(*)	(*)	(*)	.5	.1	.4	0
Southeast:															
Alabama	55.7	8.1	34.8	10.9	4.1	1.1	3.5	10.8	1.9	.4	.4	10.0	2.2	7.3	.1
Arkansas	29.2	5.2	15.9	3.2	.7	2.1	1.7	5.5	1.0	.2	(*)	6.8	1.0	5.4	.1
Florida	205.7	40.7	125.1	14.2	17.4	10.8	7.6	47.8	12.0	.3	2.0	25.2	6.4	15.7	.5
Georgia	161.0	30.2	96.0	12.2	13.8	10.5	8.8	35.2	2.5	2.4	1.8	27.1	5.2	18.8	1.0
Kentucky	65.7	11.4	33.6	4.7	7.9	2.6	1.0	14.4	1.0	.4	.8	18.5	1.5	16.3	.1
Louisiana	61.4	10.4	38.1	3.8	6.5	7.5	2.6	14.0	7.7	.1	.7	4.1	1.0	2.2	.3
Mississippi	23.6	4.7	13.6	2.0	1.5	1.0	2.5	4.6	1.9	.2	(*)	3.1	1.0	1.9	.1
North Carolina	181.0	29.5	133.4	11.6	31.3	5.5	8.7	43.2	1.4	.2	.7	14.8	1.0	11.7	1.1
South Carolina	104.7	9.6	77.2	13.1	16.7	12.9	4.8	17.4	2.8	.3	.8	13.4	.6	11.3	.6
Tennessee	116.9	19.1	74.4	10.4	8.7	7.7	6.9	28.1	1.3	.1	.4	21.5	3.7	15.6	.1
Virginia	113.3	18.3	80.2	6.4	14.5	4.3	4.8	29.3	5.0	.3	.5	8.9	1.1	7.0	.3
West Virginia	34.9	13.0	19.8	2.0	3.7	2.0	2.3	8.1	.4	(*)	.2	1.4	.3	1.2	(*)
Southwest:															
Arizona	57.1	10.9	24.0	4.4	2.5	2.2	1.6	9.6	1.7	.1	(D)	18.6	12.9	4.4	(D)
New Mexico	17.4	2.7	11.0	1.0	5.5	1.2	.2	2.5	.6	(*)	0	3.0	1.4	1.5	.1
Oklahoma	43.6	9.7	25.4	5.0	2.2	1.5	.8	12.0	2.9	.2	.2	4.9	.4	4.0	.5
Texas	299.5	40.7	197.5	23.3	35.5	23.8	16.3	63.9	13.6	2.1	4.8	39.3	10.2	21.9	1.5
Rocky Mountains:															
Colorado	56.3	7.5	38.3	3.2	5.4	2.7	3.9	12.0	1.1	(*)	.5	8.1	1.6	5.6	.7
Idaho	11.7	1.5	8.3	.4	(D)	.2	(D)	2.6	.1	(*)	(*)	1.8	.6	(D)	(*)
Montana	5.1	1.5	2.6	.4	(D)	.2	.3	1.1	(*)	(*)	(*)	.9	.8	.1	(*)
Utah	21.0	2.2	16.9	.7	4.3	2.0	1.3	6.5	.2	.2	(*)	1.5	.3	.4	0
Wyoming	5.8	.9	4.3	1.3	.7	.3	(D)	2.0	.2	(*)	0	.4	(*)	.3	0
Far West:															
California	555.9	63.6	290.2	28.7	46.1	30.5	26.4	112.5	17.7	1.3	1.1	178.4	21.9	134.3	3.7
Nevada	22.7	4.7	10.6	.7	2.7	3.3	.5	2.6	.2	.8	(*)	6.5	2.0	4.3	(*)
Oregon	39.1	4.9	21.6	1.0	8.3	1.0	1.5	6.6	.4	.2	(*)	11.8	1.8	8.5	.1
Washington	77.5	15.0	38.8	2.5	9.2	4.3	4.3	14.5	(D)	(D)	(*)	20.4	5.2	12.2	1.2
Alaska	**13.2**	**1.5**	**3.7**	**.1**	**.2**	**.4**	**.2**	**2.7**	**.4**	(*)	(*)	**6.9**	**.7**	**6.0**	**.7**
Hawaii	53.0	.7	6.2	.9	.2	.8	.5	1.7	3.6	0	0	42.3	2.7	36.0	.3
Puerto Rico	16.1	1.5	11.2	.5	1.4	.8	1.8	4.7	.4	0	0	2.8	.1	1.6	.2
Other U.S. areas [1]	9.0	.2	1.5	.3	(*)	0	.4	.7	.7	.2	(*)	6.3	(*)	2.7	(*)
Foreign [2]	5.0	.8	1.7	.4	.1	.2	.2	.5	.1	0	(*)	2.4	(*)	(D)	(*)

D Suppressed to avoid disclosure of data of individual companies.

* Less than 50 employees.

1. See footnote 3 to table 5.

2. See footnote 4 to table 5.

NOTE.—Estimates for 1990 are revised.

Table 15.2.—Employment of Affiliates, State by Country of Ultimate Beneficial Owner, 1991

[Thousands of employees]

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Africa	Middle East	Asia and Pacific			United States
			Total	Of which: France	Germany	Netherlands	Switzerland	United Kingdom				Total	Of which: Australia	Japan	
Total	**4,809.2**	**717.7**	**2,943.6**	**363.7**	**518.6**	**292.5**	**276.1**	**1,060.8**	**131.0**	**15.0**	**27.2**	**942.7**	**154.4**	**706.5**	**32.1**
New England:															
Connecticut	79.7	6.9	65.2	7.7	14.0	13.2	7.6	17.5	1.2	(*)	.2	6.1	1.3	4.6	.2
Maine	26.6	12.5	11.6	1.0	.9	1.5	.8	5.5	(D)	(*)	(*)	1.3	.4	(D)	(D)
Massachusetts	129.2	21.6	82.2	13.0	13.1	2.9	4.7	38.7	3.6	.3	2.2	18.6	3.6	14.0	.6
New Hampshire	28.2	(D)	16.9	1.3	3.4	1.2	1.0	8.7	(D)	0	(*)	2.9	.8	1.9	(D)
Rhode Island	13.6	1.7	10.7	.4	1.8	.7	.6	5.9	.1	(*)	(*)	1.0	.3	.6	(*)
Vermont	7.2	2.7	3.5	.3	.8	.3	1.1	.6	.2	0	(*)	.7	(*)	.7	.1
Mideast:															
Delaware	41.6	(D)	9.7	.4	1.3	.6	.5	5.7	.2	0	.9	1.9	.1	1.4	(D)
District of Columbia	11.3	1.1	6.2	.3	.4	.6	.4	3.4	.3	(*)	.1	3.6	.3	2.4	(*)
Maryland	76.6	14.3	49.4	7.2	7.4	7.5	5.0	15.8	2.1	(*)	.5	9.7	1.8	7.6	.5
New Jersey	228.0	28.7	153.5	16.2	29.9	14.9	28.0	43.3	4.1	(D)	(D)	37.6	2.2	31.1	2.3
New York	361.8	56.7	232.6	29.1	41.4	25.5	21.1	87.9	5.7	.4	1.7	57.1	9.1	42.9	7.7
Pennsylvania	219.2	25.9	164.4	21.8	31.2	20.2	8.3	64.3	3.8	.3	2.7	21.3	6.3	14.6	.8
Great Lakes:															
Illinois	248.0	28.5	155.5	13.3	26.9	11.3	25.3	59.6	5.3	.4	.9	55.6	6.7	45.9	1.8
Indiana	123.2	16.2	71.3	15.5	13.5	8.9	4.0	22.2	1.9	.3	.1	33.2	1.6	30.1	.2
Michigan	139.2	19.7	75.8	11.2	21.9	4.0	4.3	26.1	3.3	.5	.1	39.2	11.5	27.2	.4
Ohio	220.1	25.8	138.3	15.6	16.8	15.2	16.8	54.1	8.5	.7	.3	46.2	2.2	42.3	.3
Wisconsin	83.2	13.8	62.1	7.0	14.7	7.5	8.8	17.9	.7	.1	(*)	6.4	2.4	3.2	(*)
Plains:															
Iowa	32.7	5.2	22.9	4.3	3.0	3.9	1.3	6.0	.2	.5	(*)	3.6	.1	3.1	.4
Kansas	33.2	10.1	18.5	2.7	1.9	1.6	2.2	8.1	.4	.2	(*)	3.8	.6	2.5	.1
Minnesota	93.8	10.2	56.9	3.9	12.7	5.1	6.1	23.6	.8	.1	.1	24.8	(D)	4.6	.9
Missouri	77.2	17.2	49.2	6.8	6.9	5.0	6.0	17.2	1.3	.1	.4	8.4	1.2	6.2	.7
Nebraska	16.8	1.8	12.7	1.7	3.1	1.2	1.3	4.2	.3	.1	(*)	1.9	.5	1.3	.1
North Dakota	3.4	1.1	1.9	.3	.2	.2	.1	1.0	.1	.1	0	.2	.1	.1	(*)
South Dakota	4.9	1.2	3.3	.1	.5	.7	.1	1.7	(*)	(*)	0	.4	(*)	.3	(*)
Southeast:															
Alabama	62.0	8.7	40.3	13.8	4.0	1.1	3.6	12.0	2.1	.4	.5	9.9	2.3	7.0	.1
Arkansas	30.1	5.1	17.6	3.0	.7	2.1	1.6	6.4	.5	.3	(*)	6.6	1.1	5.1	.1
Florida	211.3	36.0	129.9	17.0	18.9	10.1	8.2	49.0	12.0	.3	2.1	30.5	5.6	22.2	.5
Georgia	159.9	26.6	96.8	12.7	14.3	10.6	9.0	35.6	2.8	2.3	1.8	28.7	5.8	20.3	.9
Kentucky	69.6	11.3	35.8	5.6	7.3	2.5	1.1	15.2	1.2	.4	.6	20.3	1.1	18.3	.1
Louisiana	61.9	10.0	37.4	3.5	6.5	7.4	2.6	13.6	8.7	.1	.7	4.7	1.1	2.3	.3
Mississippi	23.8	4.3	14.4	2.1	1.7	1.0	2.6	4.8	1.9	.2	(*)	2.7	.9	1.7	.1
North Carolina	179.6	28.1	133.7	12.0	29.3	5.8	9.5	43.2	.9	.2	.6	14.4	1.5	12.1	1.7
South Carolina	105.7	8.1	81.3	13.9	17.3	14.1	4.6	17.6	2.4	.3	.6	12.8	.6	11.9	(*)
Tennessee	119.6	18.6	75.1	11.0	7.4	7.4	7.1	27.9	1.3	.1	.4	24.0	4.7	18.4	.1
Virginia	117.6	16.8	78.5	7.9	14.2	4.6	4.8	26.6	3.9	.3	.5	17.4	.9	15.8	.4
West Virginia	34.7	7.5	24.1	2.1	7.6	2.1	2.6	7.9	.5	(*)	.2	2.5	.1	2.4	(*)
Southwest:															
Arizona	56.2	11.9	23.8	3.9	3.0	2.3	1.9	9.8	.1.4	(D)	(D)	17.3	11.4	4.9	.2
New Mexico	14.8	2.8	8.1	1.0	2.3	1.2	.3	2.6	.5	(*)	(*)	3.3	(D)	1.8	(*)
Oklahoma	43.2	9.2	25.5	5.2	2.2	1.4	.8	11.6	2.6	.2	.1	5.1	.4	4.3	.5
Texas	309.5	46.1	193.3	25.4	26.5	22.1	16.5	65.1	15.1	1.2	(D)	47.5	10.0	30.2	(D)
Rocky Mountains:															
Colorado	60.9	8.5	39.5	3.6	5.6	2.7	4.0	12.7	1.1	(*)	.7	10.5	1.3	8.2	.6
Idaho	12.6	1.7	9.0	.4	(D)	.2	.8	2.9	.1	(*)	(*)	1.8	.5	(D)	(*)
Montana	5.8	1.8	2.5	.4	.6	.2	.2	1.0	(*)	(*)	(*)	1.4	.7	.7	(*)
Utah	23.4	2.5	17.3	.7	4.6	1.9	1.6	6.3	.2	.2	(*)	3.2	.2	2.1	(*)
Wyoming	5.5	.8	4.1	1.3	.7	.3	(*)	1.6	.1	(*)	0	.4	(*)	.4	(*)
Far West:															
California	555.0	63.1	280.9	29.9	47.0	27.5	27.2	113.2	17.9	.8	1.0	187.9	18.9	146.4	3.3
Nevada	24.6	5.5	10.5	.7	2.9	2.9	.5	2.9	.1	.9	(*)	7.5	2.5	4.7	(*)
Oregon	41.9	5.2	22.2	1.1	8.7	.9	1.6	5.9	.8	.3	(*)	13.2	1.7	10.2	.1
Washington	81.4	15.6	41.5	2.8	11.1	4.1	4.7	14.6	1.1	.5	(*)	21.5	3.8	14.9	1.1
Alaska	13.3	1.3	3.5	.1	.1	.5	.2	2.6	.3	(*)	0	7.6	.4	7.0	.6
Hawaii	55.6	.7	6.1	1.0	(D)	.9	.6	1.5	4.0	0	0	44.4	3.2	38.1	.3
Puerto Rico	17.5	1.6	12.3	.3	1.1	.8	1.9	6.0	.4	0	0	2.9	.1	1.6	.2
Other U.S. areas [1]	9.4	.1	1.5	(*)	(*)	0	.4	.7	1.0	.1	(*)	6.6	0	2.8	(*)
Foreign [2]	4.3	.9	2.7	.5	.2	.2	.2	.9	.1	(*)	(*)	.5	.1	.4	(*)

D Suppressed to avoid disclosure of data of individual companies.
* Less than 50 employees.
1. See footnote 3 to table 5.
2. See footnote 4 to table 5.

NOTE.—Estimates for 1991 are preliminary.

U.S. Business Enterprises Acquired or Established by Foreign Direct Investors in 1992

By Mahnaz Fahim-Nader and Sylvia E. Bargas

Joseph F. Cherry, III, assisted by Holly N. Buchanan, Laura S. Carlstrom, Erik A. Kasari, Edward J. Kozerka, and Nicole Leiker, conducted the survey from which the data were drawn. Angela Roberts programmed the tables.

OUTLAYS by foreign direct investors to acquire or establish U.S. business enterprises fell 47 percent in 1992, to $13.5 billion from $25.5 billion in 1991 (table 1).[1] The drop was the fourth in a row, bringing outlays for new foreign direct investments in the United States to their lowest level since 1983. It contributed to the overall change in capital flows for foreign direct investment in the United States, which, according to preliminary estimates, shifted from a net inflow (or investment) of $11.5 billion in 1991 to a net outflow (disinvestment) of $3.9 billion in 1992.[2] The drop in outlays was considerably steeper than that reported by the Securities Data Company for overall mergers and acquisitions in the United States in 1992.

By industry, declines in outlays were particularly sharp in banking, insurance, retail trade, and machinery manufacturing. Outlays increased only in "other industries" and "other manufacturing." By country of ultimate beneficial owner (UBO), declines in outlays were largest for France and Japan.[3] The only countries with significant increases were Mexico and Venezuela.

The 47-percent decline in outlays in 1992 follows a 61-percent decline in 1991. The declines in both years reflect several factors. First, foreign investors' interest in making additional investments in the United States may have been tempered by the unprofitability of many of their earlier U.S. investments and by sluggish U.S. economic activity in 1991 and most of 1992, both of which may have lowered the projected profitability of new investments. Second, countries that are the largest sources of investment—mainly European countries and Japan—have been slow to emerge from recession. The recessionary conditions have constrained the ability of investors in these countries to finance additional overseas investments and may have made many of them more concerned with rebuilding their balance sheets and improving their capitalization ratios than with launching new ventures overseas. Finally, investment funds may have been attracted away from the United

1. These data are from BEA's annual survey of new foreign direct investments in the United States, which covers (1) existing U.S. business enterprises in which foreign investors acquired, directly or through their U.S. affiliates, at least a 10-percent voting interest, and (2) new U.S. business enterprises established by foreign investors or their U.S. affiliates. Acquisitions of additional equity or voting interests in existing U.S. affiliates are not covered.

The data are limited to U.S. business enterprises that had total assets of over $1 million or that owned at least 200 acres of U.S. land in the year they were acquired or established. U.S. enterprises that did not meet these criteria were required to file partial reports, primarily for identification purposes, but the data from these reports are not included in the accompanying tables. For 1992, total assets of the U.S. enterprises that filed partial reports were only $152.2 million, or about 0.5 percent of the total assets of $30.9 billion of the U.S. enterprises that met the criteria for filing a complete report.

2. For further information on the relationship between the data on investment outlays presented in this article and the estimates of capital flows for foreign direct investment in the United States recorded in the U.S. balance of payments accounts, see footnote 6.

3. The transactions discussed in this article are classified by country of UBO. The UBO is the first person in the ownership chain of the acquired or established U.S. business, beginning with the foreign parent, that is not owned more than 50 percent by another person. The foreign parent is the first *foreign* person in the ownership chain. The country of UBO is often the same as that of the foreign parent, but it may be a different foreign country or the United States. "Person" is broadly defined to include any individual, corporation, branch, partnership, associated group, association, estate, trust, or other organization and any government (including any corporation, institution, or other entity or instrumentality of a government).

Table 1.—Investment Outlays, Investments, and Investors, 1986–92

	Outlays (millions of dollars)							Number						
	1986	1987	1988	1989	1990	1991 r	1992 p	1986	1987	1988	1989	1990	1991 r	1992 p
Investments, total	39,177	40,310	72,692	71,163	65,932	25,538	13,469	1,040	978	1,424	1,580	1,617	1,091	690
Acquisitions	31,450	33,933	64,855	59,708	55,315	17,806	10,191	555	543	869	837	839	561	360
Establishments	7,728	6,377	7,837	11,455	10,617	7,732	3,278	485	435	555	743	778	530	330
Investors, total	39,177	40,310	72,692	71,163	65,932	25,538	13,469	1,121	1,051	1,542	1,742	1,768	1,220	732
Foreign direct investors	8,602	11,773	18,569	22,538	14,026	8,885	3,616	476	480	566	727	670	438	279
U.S. affiliates	30,575	28,536	54,123	48,625	51,906	16,653	9,853	645	571	976	1,015	1,098	782	453

r Revised.
p Preliminary.

States by increased economic integration within the European Communities, market-oriented reforms in Eastern Europe, rapid economic growth in East Asia, and an improved investment climate in Latin America.

As in past years, acquisitions accounted for most of total outlays (76 percent) in 1992. However, large investments did not dominate to the same extent as in the past. In 1992, for the first time since 1984, there were no investments of $1 billion or more. Two investments of $500 million or more accounted for 7 percent of outlays, and 28 investments of $100 million or more accounted for 43 percent of outlays. In contrast, in 1991, 2 investments of $1 billion or more had accounted for 12 percent of outlays, and 47 investments of $100 million or more had accounted for 59 percent of outlays (tables 2.1 and 2.2).

U.S. affiliates that were newly acquired or established in 1992, nearly all of which were nonbank affiliates, employed 120,000 persons. By comparison, all nonbank U.S. affiliates employed 4.8 million persons in 1991, the latest year for which such data are available. Total nonbank affiliate employment, in turn, accounted for 5.2 percent of total employment by all nonbank U.S. businesses.[4]

Newly acquired or established affiliates had total assets of $30.9 billion in 1992, of which $28.7 billion was held by nonbank affiliates. By comparison, total assets of all nonbank U.S. affiliates at yearend 1991 were $1,743.8 billion. Comparable all-U.S.-business data on assets are available only for manufacturing. In that industry, total assets of newly established or acquired affiliates were $7.6 billion in 1992; by comparison, total assets of all manufacturing affiliates were $516.7 billion in 1991, or 19.2 percent of the U.S. total.

The estimates for 1992 are preliminary and will be revised next year. Estimated outlays for 1991 have been revised up from $22.6 billion to $25.5 billion, and the estimated number of investments was revised up from 971 to 1,091 (tables 1 and 2.1). The largest revisions in outlays were in real estate ($0.9 billion), food and kindred products ($0.5 billion), and primary and fabricated metals ($0.4 billion).

The remainder of this article consists of two parts. The first part discusses investment transactions by industry, by country, and by source of funding; the second part presents selected data on the operations of the U.S. businesses acquired or established. In the analysis, information from outside sources, mainly press reports, has been used to supplement BEA's survey data.

4. The data for all U.S. businesses and for all nonbank U.S. affiliates cited here and in the following paragraph are from "U.S. Affiliates of Foreign Companies: Operations in 1991" elsewhere in this issue.

Table 2.1.—Number of Investments by Size of Outlays, 1986–92

	1986	1987	1988	1989	1990	1991 r	1992 p
Total	**1,040**	**978**	**1,424**	**1,580**	**1,617**	**1,091**	**690**
$2 billion or more	2	1	5	4	5	1	0
$1 billion–$1.9 billion	3	5	7	6	6	1	0
$100 million–$999 million	63	70	98	110	74	45	28
$10 million–$99 million	324	291	429	483	499	273	201
Less than $10 million	648	611	885	977	1,033	771	461

r Revised.
p Preliminary.

Table 2.2.—Percent Change in Investment Outlays and Number of Investments, 1987–92

	1987	1988	1989	1990	1991 r	1992 p
Investment outlays	3	80	–2	–7	–61	–47
Number of investments	–6	46	11	2	–33	–37
Addenda:						
Percent of total outlays accounted for by:						
Investments of $1 billion or more	23	40	36	40	12	0
Investments of $100 million or more	72	78	74	73	59	43

r Revised.
p Preliminary.

Investment Transactions

In 1992, outlays resulting from acquisitions of existing U.S. businesses ($10.2 billion) were three times as large as those resulting from the establishment of new U.S. businesses ($3.3 billion) (table 3). Most of the outlays were made by existing U.S. affiliates ($9.9 billion) rather than by the foreign direct investors themselves ($3.6 billion); however, some of the outlays made by existing U.S. affiliates were financed with funds provided by foreign parents or other members of the foreign parent groups.[5] (Transactions by source of funding are discussed in more detail later in the article.)

By industry

By industry of the U.S. businesses acquired or established, outlays in manufacturing, at $5.3 billion, were the largest (table 4). Within manufacturing, outlays were largest in "other manufacturing," chemicals and allied products, and primary and fabricated metals.

In "other manufacturing," outlays were $1.8 billion. Five transactions accounted for nearly

5. Foreign parent groups consist of the foreign parents and their foreign (non-U.S.) affiliates.

Table 3.—Investment Outlays by Type of Investment and Investor, by Industry of U.S. Business Enterprise, 1991–92

[Millions of dollars]

	1991 r					1992 p				
	Total	By type of investment		By type of investor		Total	By type of investment		By type of investor	
		Acquisitions	Establishments	Foreign direct investors	U.S. affiliates		Acquisitions	Establishments	Foreign direct investors	U.S. affiliates
All industries	**25,538**	**17,806**	**7,732**	**8,885**	**16,653**	**13,469**	**10,191**	**3,278**	**3,616**	**9,853**
Petroleum	**702**	**404**	**298**	**21**	**681**	**484**	**466**	**18**	**4**	**480**
Petroleum and coal products manufacturing	(D)	(D)	0	0	(D)	(*)	(*)	0	(*)	0
Other	(D)	(D)	298	21	(D)	483	465	18	3	480
Manufacturing	**11,461**	**9,669**	**1,792**	**4,530**	**6,930**	**5,274**	**4,413**	**861**	**1,708**	**3,566**
Food and kindred products	1,247	1,221	26	278	969	383	286	97	6	377
Beverages	312	294	19	12	301	13	3	10	1	12
Other	935	927	8	267	668	370	283	87	5	365
Chemicals and allied products	2,897	1,660	1,236	929	1,968	1,671	1,573	97	(D)	(D)
Industrial chemicals and synthetics	(D)	(D)	2	(D)	63	527	441	86	(*)	526
Drugs	1,389	401	988	(D)	(D)	204	204	0	0	204
Soap, cleaners, and toilet goods	(D)	(D)	0	0	(D)	(D)	(D)	0	(D)	28
Other	416	170	246	9	407	(D)	(D)	11	4	(D)
Primary and fabricated metals	797	677	121	117	680	744	623	121	(D)	(D)
Primary metal industries	142	106	36	47	95	610	508	101	(D)	(D)
Ferrous	142	106	36	47	95	486	385	101	(D)	(D)
Nonferrous	0	0	0	0	0	123	123	0	0	123
Fabricated metal products	656	571	85	70	585	135	115	20	23	112
Machinery	4,929	4,732	197	2,880	2,049	678	665	13	210	468
Machinery, except electrical	1,077	1,053	23	193	884	289	281	8	17	271
Office and computing machines	134	115	18	104	29	(D)	(D)	1	10	(D)
Other	943	938	5	88	855	(D)	(D)	6	8	(D)
Electric and electronic equipment	3,852	3,678	174	2,688	1,164	390	384	6	193	197
Audio, video, and communications equipment	1,006	840	166	172	834	(D)	(D)	0	(*)	(D)
Electronic components and accessories	(D)	(D)	2	(D)	177	147	141	6	67	80
Other	(D)	(D)	6	(D)	153	(D)	(D)	0	125	(D)
Other manufacturing	1,591	1,380	211	326	1,265	1,798	1,266	533	633	1,165
Textile products and apparel	161	154	7	11	150	70	69	2	(D)	(D)
Lumber, wood, furniture, and fixtures	58	46	13	51	7	(D)	(D)	2	0	(D)
Paper and allied products	(D)	(D)	2	(D)	(D)	(D)	(D)	(D)	0	(D)
Printing and publishing	223	223	0	2	221	(D)	(D)	0	1	(D)
Newspapers	(D)	(D)	0	0	(D)	0	0	0	0	0
Other	(D)	(D)	0	2	(D)	(D)	(D)	0	1	(D)
Rubber products	(D)	(D)	33	(D)	42	(*)	0	(*)	(*)	0
Miscellaneous plastics products	267	174	93	20	247	314	247	67	52	262
Stone, clay, and glass products	202	200	3	2	200	(D)	57	(D)	(D)	51
Transportation equipment	215	171	44	81	134	156	135	21	32	124
Motor vehicles and equipment	97	55	42	19	78	19	0	19	9	10
Other transportation equipment	118	116	2	62	56	137	135	2	23	114
Instruments and related products	244	244	(*)	112	132	335	312	23	170	166
Other	(D)	(D)	17	36	(D)	69	64	5	6	63
Wholesale trade	**623**	**524**	**99**	**197**	**426**	**605**	**405**	**200**	**251**	**353**
Motor vehicles and equipment	14	14	(*)	9	5	(D)	(D)	(D)	(D)	0
Professional and commercial equipment and supplies	16	9	8	6	10	12	12	0	0	12
Metals and minerals, except petroleum	29	11	17	16	12	15	7	7	1	13
Electrical goods	96	66	29	85	11	134	18	115	120	14
Machinery, equipment, and supplies	121	92	29	29	92	(D)	3	(D)	2	(D)
Other durable goods	24	20	4	3	21	27	23	4	4	22
Groceries and related products	55	53	1	11	43	84	79	5	5	79
Farm-product raw materials	11	11	0	0	11	0	0	0	0	0
Other nondurable goods	257	248	10	37	221	270	(D)	(D)	(D)	(D)
Retail trade	**1,605**	**1,436**	**170**	(D)	(D)	**224**	(D)	(D)	**28**	**196**
General merchandise stores	4	0	4	3	1	(D)	0	(D)	4	(D)
Food stores	(D)	(D)	0	(D)	(D)	11	11	0	4	7
Apparel and accessory stores	18	10	7	1	16	(D)	(D)	0	2	(D)
Other	(D)	(D)	159	5	(D)	(D)	(D)	(*)	18	(D)
Banking	**482**	**440**	**42**	**281**	**201**	**55**	**55**	**0**	**19**	**37**
Finance, except banking	**2,199**	**1,399**	**800**	**693**	**1,506**	**968**	**801**	**167**	**230**	**738**
Insurance	**2,102**	**1,951**	**152**	**1,255**	**847**	**251**	(D)	(D)	**16**	**235**
Real estate	**3,823**	**177**	**3,646**	**1,110**	**2,713**	**1,937**	**444**	**1,493**	**798**	**1,139**
Services	**2,256**	**1,616**	**641**	**239**	**2,017**	**1,476**	**1,179**	**297**	**318**	**1,158**
Hotels and other lodging places	624	222	402	79	546	367	165	202	217	150
Business services	585	564	21	39	545	275	235	40	32	243
Computer and data processing services	448	440	7	32	416	102	95	7	30	72
Other business services	137	123	14	8	129	173	140	33	2	171
Motion pictures, including television tape and film	(D)	(D)	3	(D)	(D)	(D)	(D)	5	3	(D)
Engineering, architectural, and surveying services	81	81	0	6	75	24	24	0	19	5
Accounting, research, management, and related services	58	29	29	26	32	(D)	(D)	5	5	(D)
Health services	(D)	(D)	0	0	(D)	132	131	2	0	132
Other services	(D)	(D)	185	(D)	(D)	(D)	(D)	44	43	(D)
Other industries	**284**	**191**	**93**	(D)	(D)	**2,195**	**2,138**	**57**	**245**	**1,950**
Agriculture, forestry, and fishing	37	22	15	28	9	47	6	41	33	14
Mining	37	35	1	4	33	938	934	4	2	936
Coal	2	2	0	2	0	(D)	(D)	0	0	(D)
Other	34	33	1	1	33	(D)	(D)	4	2	(D)
Construction	54	25	29	(D)	(D)	(D)	(D)	0	(D)	(D)
Transportation	69	31	38	30	39	(D)	(D)	(D)	(D)	(D)
Communication and public utilities	88	77	10	39	49	965	(D)	(D)	187	778

r Revised.
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D Suppressed to avoid disclosure of data of individual companies.
* Less than $500,000.

one-half of the total: A Mexican glass manufacturer established a joint venture with a New York-based specialty glass company; two U.S. affiliates of a Canadian company each acquired a U.S. publishing company; an Italian UBO acquired a California-based artificial organs division of a major U.S. pharmaceutical company; and a U.S. affiliate of a British medical systems and specialized industrial component group acquired an Illinois-based supplier of disposable medical products.

In chemicals, outlays were $1.7 billion. Three investments, each of $300 million or more, accounted for nearly two-thirds of the outlays: A German household-products company acquired a North Carolina-based fragrance and cosmetics unit of a pharmaceutical company; a U.S. affiliate of a Dutch petrochemical company acquired a West Virginia-based plastics unit of a tire manufacturer; and a U.S. affiliate of a German chemical company acquired an Illinois-based plastics unit of an energy and chemical company. In two other sizable transactions, two U.S. affiliates of a British pharmaceutical company each acquired a chemical company—one based in Texas and the other in California.

In primary and fabricated metals, outlays were $0.7 billion. Two transactions accounted for most of the outlays. The largest was the acquisition of a Florida-based manufacturer of steel bars by a Japanese steel producer; this acquisition follows several other Japanese acquisitions of companies in the U.S. steel industry in recent years. In the other transaction, a U.S. affiliate of a British cable and construction group acquired a Virginia-based electrical unit of a leading manufacturer of transmission and distribution cables.

Outside manufacturing, outlays were largest, at $2.2 billion, in "other industries." Four investments of $200 million or more dominated the transactions: A U.S. affiliate of a Belgian chemicals group acquired a Wyoming-based minerals unit of a petroleum company; a U.S. affiliate

Table 4.—Investment Outlays by Industry of U.S. Business Enterprise and by Country of Ultimate Beneficial Owner, 1986–92

[Millions of dollars]

	1986	1987	1988	1989	1990	1991 r	1992 p
Total	**39,177**	**40,310**	**72,692**	**71,163**	**65,932**	**25,538**	**13,469**
By industry:							
Petroleum	1,035	1,107	4,740	1,189	1,141	702	484
Manufacturing	16,772	19,751	36,136	35,958	23,898	11,461	5,274
Food and kindred products	1,007	4,177	3,287	6,515	997	1,247	383
Chemicals and allied products	7,063	4,041	2,918	11,584	7,518	2,897	1,671
Primary and fabricated metals	776	1,091	3,394	3,545	2,447	797	744
Machinery	2,426	2,834	7,737	4,346	3,795	4,929	678
Other manufacturing	5,500	7,608	18,800	9,969	9,141	1,591	1,798
Wholesale trade	1,640	1,271	2,454	2,634	1,676	623	605
Retail trade	5,249	1,212	8,022	1,861	1,250	1,605	224
Banking	288	924	1,800	349	897	482	55
Finance, except banking	1,781	1,604	972	4,186	2,121	2,199	968
Insurance	1,668	165	5,855	1,901	2,093	2,102	251
Real estate	5,171	4,765	3,518	6,438	7,771	3,823	1,937
Services	4,276	7,630	5,597	10,058	19,369	2,256	1,476
Other industries	1,298	1,881	3,597	6,587	5,716	284	2,195
By country [1]:							
Canada	6,503	1,276	11,360	4,403	3,430	3,454	1,028
Europe	21,126	25,517	37,173	40,724	36,011	13,994	7,531
France	2,491	2,044	4,199	3,469	10,217	4,976	155
Germany [2]	1,351	4,664	2,090	2,435	2,363	1,922	1,753
Netherlands	4,700	391	2,214	3,629	2,247	1,661	1,247
United Kingdom	8,572	15,142	22,559	23,047	13,096	2,169	2,233
Other Europe	4,012	3,276	6,111	8,144	8,088	3,266	2,143
Latin America and Other Western Hemisphere	771	1,483	(D)	1,084	796	375	1,552
South and Central America	397	355	(D)	650	399	108	1,292
Other Western Hemisphere	375	1,128	187	434	397	267	260
Africa	(D)	(D)	296	(D)	(D)	(D)	(D)
Middle East	680	925	1,613	243	472	1,006	(D)
Asia and Pacific	9,450	10,928	21,819	24,530	23,170	6,560	2,918
Australia	3,194	2,691	4,556	4,574	1,412	251	166
Japan	5,416	7,006	16,188	17,410	19,933	5,357	2,301
Other Asia and Pacific	840	1,231	1,075	2,546	1,825	952	451
United States [3]	(D)	(D)	(D)	(D)	(D)	(D)	7
Addenda:							
European Communities (12) [4]	19,034	22,895	33,737	33,869	30,741	12,007	6,422
OPEC [5]	878	1,077	1,919	430	387	1,119	963

r Revised.
p Preliminary.
D Suppressed to avoid disclosure of data of individual companies.
1. Where more than one investor participated in a given investment, each investor and each investor's outlays are classified by country of each ultimate beneficial owner.
2. Prior to 1990, this line includes data only for the Federal Republic of Germany. Beginning in 1990, this line also includes the former German Democratic Republic (GDR). This change has no effect on the data because, prior to 1991, there were no U.S. affiliates of the former GDR.
3. See footnote 3 in text for explanation.
4. European Communities (12) comprises Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, United Kingdom, Portugal, and Spain.
5. OPEC is the Organization of Petroleum Exporting Countries. As of yearend 1992, its members were Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

of a Venezuelan broadcasting company acquired a California-based television company; a U.S. affiliate of a German coal mining company acquired a West Virginia-based coal company; and a U.S. affiliate of a Mexican media group acquired an interest in a Connecticut-based satellite communications services company.

In real estate, outlays were $1.9 billion. Two of the largest transactions were the acquisition of an office building in New York by a U.S. affiliate of a German media group and the establishment of a research center in California by a U.S. affiliate of a German pharmaceutical and chemical group.

In services, outlays were $1.5 billion. Four transactions accounted for about one-half of the outlays: In the largest transaction reported for any industry in 1992, a U.S. affiliate of a Swiss pharmaceutical and chemical company acquired a controlling interest in a California-based biotechnology research company. In the second largest transaction in services, a U.S. affiliate of a Swiss pharmaceutical and chemical group acquired a North Carolina-based health services company.Two other large transactions were the acquisition of a Texas-based rental and leasing company by a U.S. affiliate of a British holding company and the acquisition of a Texas-based hotel by a U.S. affiliate of a Hong Kong holding company.

In finance (except banking), outlays were $1.0 billion. Four investments dominated the transactions. In the largest transaction, a U.S. affiliate of a Dutch bank acquired an Illinois-based savings institution. In addition, a U.S. affiliate of a British bank acquired the credit card unit of a New Hampshire-based bank, a Japanese investor established a U.S. affiliate in order to obtain a financial interest in a Washington-based baseball team, and a Swiss bank acquired an Illinois-based finance company.

By country

In 1992, ultimate beneficial owners (UBO's) in European countries accounted for $7.5 billion, or 56 percent, of total outlays, and those in Asian and Pacific countries, mainly Japan, accounted for $2.9 billion, or 22 percent.Within Europe, most outlays were accounted for by British, German, and Dutch UBO's. UBO's in 10 countries had at least one investment of $100 million or more. Outlays of Canadian UBO's dropped sharply. (Most of the transactions covered in this section were mentioned in the preceding section on outlays by industry.)

Outlays of Japanese UBO's were $2.3 billion in 1992, down from $5.4 billion in 1991 (tables 5.1 and 5.2). The reduction in outlays (57 percent) in 1992 follows an even sharper reduction (73 percent) in 1991. Despite these declines, outlays of Japanese UBO's remain the largest of any single country. Several factors, both in Japan and in the United States, contributed to the declines. In Japan, continuing sluggishness in the domestic economy, declining stock prices, and reduced corporate profits constrained the ability of investors to finance new investments. In the United States, disappointing results from earlier investments may have made Japanese investors more cautious. Several of the factors that may have diminished Japanese interest in new investments were specific to the U.S. real estate industry, in which Japanese UBO's have been the largest foreign investors: Reduced values of many Japanese-owned properties, depressed rental rates for commercial office space, and high office vacancy rates. Japanese UBO's accounted for less than one-third of total outlays in real estate in 1991–92, down from over one-half in 1988–90. In primary and fabricated metals, Japanese UBO's accounted for nearly 70 percent of outlays in 1992; the largest transaction was the purchase of the Florida-based manufacturer of steel bars. Other sizable Japanese acquisitions included two in wholesale trade, one in chemicals, and two in machinery.

Outlays of British UBO's were $2.2 billion in 1992, unchanged from 1991. In 1991, British outlays had declined sharply (83 percent). The reduced level of outlays in 1991–92 may have reflected the prolonged recession in the United Kingdom. One of the largest transactions by British UBO's was the acquisition of the credit card unit of the New Hampshire-based bank by a British bank's U.S. affiliate. In addition, British investors accounted for most outlays in food and kindred products in 1992; the largest transaction was the acquisition of a Minnesota-based frozen food division of a bakery products manufacturer by a U.S. affiliate of a British food conglomerate. Other sizable British acquisitions included one in insurance, one in "other manufacturing," and one in "other industries."

Outlays of German UBO's were $1.8 billion, down from $1.9 billion. German investors accounted for more than 50 percent of outlays in chemicals; the largest transactions were the acquisitions of the North Carolina-based fragrance and cosmetics unit of a pharmaceutical company and the Illinois-based plastics business of

Table 5.1.—Investment Outlays, Country of Ultimate Beneficial Owner by Industry of U.S. Business Enterprise, 1991

[Millions of dollars]

	All industries	Petroleum	Manufacturing						Wholesale trade	Retail trade	Banking	Finance, except banking	Insurance	Real estate	Services	Other industries
			Total	Food and kindred products	Chemicals and allied products	Primary and fabricated metals	Machinery	Other manufacturing								
All countries	**25,538**	**702**	**11,461**	**1,247**	**2,897**	**797**	**4,929**	**1,591**	**623**	**1,605**	**482**	**2,199**	**2,102**	**3,823**	**2,256**	**284**
Canada	**3,454**	(D)	**1,595**	(D)	(D)	(D)	**157**	(D)	**3**	(D)	**0**	(D)	**0**	**905**	**117**	**62**
Europe	**13,994**	**140**	**7,931**	**838**	**1,653**	**587**	**3,944**	**908**	**357**	**883**	**397**	(D)	**1,998**	**541**	**995**	(D)
Austria	19	0	(D)	0	0	0	0	(D)	0	0	0	0	0	0	2	(D)
Belgium	100	(D)	(D)	0	0	0	0	(D)	0	0	0	0	0	0	(D)	(D)
Denmark	71	0	35	0	(D)	0	0	(D)	0	0	0	0	0	0	(D)	(D)
Finland	(D)	0	(D)	0	(D)	0	0	(D)	0	0	0	0	(*)	0	2	0
France	4,976	70	3,405	(D)	(D)	(D)	(D)	46	14	(D)	(D)	45	(D)	47	130	4
Germany [1]	1,922	0	1,566	1	(D)	(D)	(D)	101	(D)	4	0	(D)	0	75	5	3
Ireland	301	0	(D)	(D)	0	0	1	0	4	0	(D)	(D)	0	(D)	0	0
Italy	435	0	394	0	3	0	(D)	(D)	0	0	0	25	0	14	2	0
Liechtenstein	7	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
Luxembourg	24	0	20	0	0	0	(D)	(D)	0	0	0	0	0	4	0	0
Netherlands	1,661	0	377	(D)	0	9	9	(D)	(D)	(D)	0	2	(D)	123	79	46
Norway	151	(D)	(D)	0	(D)	0	0	3	5	0	0	(D)	0	0	26	(D)
Spain	346	0	(D)	0	0	0	(D)	(D)	(*)	0	(D)	0	39	(D)	0	2
Sweden	379	0	145	0	(D)	(D)	23	65	(D)	0	0	1	(D)	66	15	0
Switzerland	1,327	0	571	(D)	(D)	(*)	(D)	(D)	6	0	0	(D)	70	37	(D)	(D)
United Kingdom	2,169	(D)	1,094	(D)	111	211	305	(D)	182	176	0	104	(D)	144	209	35
Other	(D)	0	(D)	0	0	0	(D)	4	0	0	(D)	1	0	(*)	5	0
Latin America and Other Western Hemisphere	**375**	(D)	**68**	(D)	(D)	(D)	**0**	**28**	**31**	(D)	**34**	**0**	**4**	(D)	(D)	(D)
South and Central America	108	0	31	(D)	0	0	0	(D)	(D)	0	34	0	0	(D)	(D)	0
Brazil	18	0	1	0	0	0	0	1	0	0	(D)	0	0	(D)	(*)	0
Mexico	66	0	25	(D)	0	0	0	(D)	(D)	0	(D)	0	0	4	0	0
Panama	14	0	4	0	0	0	0	4	0	0	0	0	0	(D)	(D)	0
Venezuela	(D)	0	0	0	0	0	0	0	0	0	(D)	0	0	0	0	0
Other	(D)	0	0	0	0	0	0	0	0	0	1	0	0	(D)	0	0
Other Western Hemisphere	267	(D)	38	0	(D)	(D)	0	(D)	(D)	(D)	0	0	4	135	(D)	(D)
Bahamas	(D)	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0	0
Bermuda	119	1	0	0	0	0	0	0	7	(D)	0	0	4	(D)	0	(D)
Netherlands Antilles	26	(D)	(D)	0	(D)	0	0	(D)	0	0	0	0	0	0	(D)	0
United Kingdom Islands, Caribbean	77	(D)	(D)	0	0	(D)	0	4	(D)	0	0	0	0	35	7	0
Other	(D)	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0	0
Africa	(D)	**0**	(D)	**0**	**0**	**0**	**0**	(D)	(D)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
South Africa	(*)	0	0	0	0	0	0	0	(*)	0	0	0	0	0	0	0
Other	(D)	0	(D)	0	0	0	0	(D)	(D)	0	0	0	0	0	0	0
Middle East	**1,006**	**0**	(D)	**0**	(D)	**0**	**5**	(D)	**2**	**0**	**0**	**16**	**0**	(D)	(D)	**1**
Israel	48	0	(D)	0	0	0	1	(D)	0	0	0	0	0	(D)	0	(D)
Kuwait	(D)	0	4	0	0	0	4	0	0	0	0	10	0	(D)	(D)	0
Lebanon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	14	0	0	0	0	0	0	0	0	0	0	3	0	10	1	0
United Arab Emirates	(D)	0	(D)	0	0	0	0	(D)	2	0	0	0	0	(D)	0	1
Other	7	0	(D)	0	(D)	0	0	0	0	0	0	4	0	(D)	0	(D)
Asia and Pacific	**6,560**	(D)	**1,719**	**375**	**70**	**175**	**823**	**275**	**175**	**682**	**52**	**1,337**	**101**	**1,402**	**1,019**	(D)
Australia	251	(D)	109	0	4	(D)	0	(D)	(D)	0	0	0	0	(D)	0	0
Hong Kong	167	0	1	0	0	0	0	1	(D)	4	0	(*)	0	82	(D)	0
Japan	5,357	30	1,455	375	67	114	713	186	134	677	(D)	998	101	1,071	859	(D)
Korea, Republic of	107	0	33	0	0	(D)	(D)	(D)	0	0	1	(D)	0	7	(D)	1
Malaysia	(D)	1	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0
New Zealand	4	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0
Philippines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Singapore	22	0	5	0	0	5	0	0	0	0	0	0	0	(D)	7	(D)
Taiwan	417	0	(D)	0	0	0	(D)	1	3	0	0	(D)	0	23	0	(D)
Other	(D)	0	(D)	0	0	0	3	(D)	(D)	0	(D)	3	0	(D)	25	0
United States [2]	(D)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	(D)	**0**	**0**	**0**	**0**	**0**	**2**	**0**
Addenda:																
European Communities (12) [3]	12,007	134	7,052	775	1,216	540	3,717	803	337	883	382	424	1,785	431	452	128
OPEC [4]	1,119	0	(D)	0	0	0	4	(D)	2	0	(D)	13	0	840	(D)	1

(D) Suppressed to avoid disclosure of data of individual companies.
* Less than $500,000.
1. See footnote 2, table 4.
2. See footnote 3 in text for further explanation.
3. See footnote 4, table 4.
4. See footnote 5, table 4.

NOTE.—Data for 1991 are revised. Where more than one investor participated in a given investment, each investor and each investor's outlays are classified by the country of each individual ultimate beneficial owner.

Table 5.2.—Investment Outlays, Country of Ultimate Beneficial Owner by Industry of U.S. Business Enterprise, 1992

[Millions of dollars]

	All industries	Petroleum	Manufacturing						Wholesale trade	Retail trade	Banking	Finance, except banking	Insurance	Real estate	Services	Other industries
			Total	Food and kindred products	Chemicals and allied products	Primary and fabricated metals	Machinery	Other manufacturing								
All countries	**13,469**	**484**	**5,274**	**383**	**1,671**	**744**	**678**	**1,798**	**605**	**224**	**55**	**968**	**251**	**1,937**	**1,476**	**2,195**
Canada	**1,028**	**107**	**463**	**13**	**49**	**7**	(D)	(D)	(D)	(D)	**0**	(D)	**0**	**199**	**67**	(D)
Europe	**7,531**	(D)	**3,152**	**368**	**1,468**	**207**	**372**	**738**	**129**	**171**	**9**	**710**	**234**	**761**	**1,058**	(D)
Austria	(*)	0	0	0	0	0	0	0	0	0	0	(*)	0	0	0	0
Belgium	(D)	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0	(D)
Denmark	(D)	0	2	0	0	0	0	2	0	0	0	0	0	0	(D)	(*)
Finland	9	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
France	155	0	(D)	0	0	0	5	(D)	(D)	0	(D)	0	(D)	0	0	9
Germany [1]	1,753	0	1,099	0	855	34	(D)	(D)	(D)	3	0	5	0	306	8	(D)
Ireland	7	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
Italy	243	0	(D)	4	(*)	0	0	(D)	2	0	0	0	0	0	(D)	0
Liechtenstein	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Luxembourg	5	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
Netherlands	1,247	0	(D)	(D)	(D)	3	0	3	(D)	(D)	0	(D)	0	165	74	9
Norway	(D)	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0	0
Spain	(D)	0	0	0	0	0	0	0	0	0	0	0	0	0	(D)	(D)
Sweden	125	0	104	0	1	(D)	(D)	(D)	0	0	0	8	0	(D)	(D)	0
Switzerland	950	0	136	(D)	0	(D)	9	(D)	1	(D)	0	(D)	0	47	(D)	21
United Kingdom	2,233	(D)	1,078	(D)	(D)	131	160	(D)	17	90	(D)	(D)	(D)	201	154	(D)
Other	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Latin America and Other Western Hemisphere	**1,552**	**0**	**454**	(*)	(D)	**0**	**0**	(D)	(D)	(D)	(D)	(D)	(D)	**101**	**101**	(D)
South and Central America	1,292	0	(D)	0	(D)	0	0	(D)	2	0	(D)	4	0	47	(D)	(D)
Brazil	12	0	0	0	0	0	0	0	0	0	0	0	0	9	0	3
Mexico	674	0	(D)	0	0	0	0	(D)	2	0	(D)	4	0	(D)	(D)	(D)
Panama	(D)	0	(D)	0	0	0	0	(D)	0	0	0	(*)	0	(D)	0	0
Venezuela	(D)	0	(D)	0	(D)	0	0	0	0	0	0	0	0	0	0	(D)
Other	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
Other Western Hemisphere	260	0	(D)	(*)	0	0	0	(D)	(D)	(D)	0	(D)	(D)	54	(D)	(D)
Bahamas	23	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0	(D)
Bermuda	(D)	0	0	0	0	0	0	0	0	(D)	0	0	(D)	(D)	0	(*)
Netherlands Antilles	(D)	0	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0
United Kingdom Islands, Caribbean	158	0	(D)	0	0	0	0	(D)	(D)	0	0	(D)	0	47	(D)	(*)
Other	(*)	0	(*)	(*)	0	0	0	0	0	0	0	0	0	0	0	0
Africa	(D)	(D)	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**1**	**0**	(*)
South Africa	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Other	(D)	(D)	0	0	0	0	0	0	0	0	0	0	0	1	0	(*)
Middle East	(D)	**0**	(D)	**0**	**0**	**0**	**0**	(D)	**0**	**0**	**0**	(D)	**0**	**105**	(D)	**0**
Israel	(D)	0	(D)	0	0	0	0	(D)	0	0	0	0	0	0	0	0
Kuwait	77	0	1	0	0	0	0	1	0	0	0	(D)	0	(D)	0	0
Lebanon	(D)	0	0	0	0	0	0	0	0	0	0	0	0	(D)	0	0
Saudi Arabia	58	0	(D)	0	0	0	0	(D)	0	0	0	0	0	24	(D)	0
United Arab Emirates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	15	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0
Asia and Pacific	**2,918**	(D)	**1,124**	(D)	(D)	**530**	(D)	**242**	**390**	**28**	(D)	**225**	(D)	**770**	**241**	**50**
Australia	166	0	159	0	0	(D)	(D)	(D)	(D)	0	0	0	0	0	(D)	2
Hong Kong	227	0	(D)	0	0	0	(D)	0	(D)	0	0	(D)	0	93	109	0
Japan	2,301	(D)	943	(D)	(D)	(D)	209	(D)	251	26	(D)	214	5	627	118	47
Korea, Republic of	10	0	0	0	0	0	0	0	5	3	0	0	0	2	0	0
Malaysia	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
New Zealand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philippines	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Singapore	74	0	7	0	0	0	7	0	(D)	0	0	(D)	0	(D)	0	1
Taiwan	103	0	(D)	0	(D)	0	0	0	(D)	0	0	0	0	(D)	0	0
Other	35	0	(*)	0	0	0	0	(*)	6	0	(D)	0	(D)	3	(D)	0
United States [2]	**7**	**0**	(D)	(D)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	(D)	**0**
Addenda:																
European Communities (12) [3]	6,422	(D)	2,913	357	1,467	168	328	593	118	143	9	(D)	234	688	399	1,175
OPEC [4]	963	(D)	(D)	0	(D)	0	0	(D)	2	0	(D)	15	0	88	4	(D)

(D) Suppressed to avoid disclosure of data of individual companies.
* Less than $500,000.
1. See footnote 2, table 4.
2. See footnote 3 in text for further explanation.
3. See footnote 4, table 4.
4. See footnote 5, table 4.

NOTE.—Data for 1992 are preliminary. Where more than one investor participated in a given investment, each investor and each investor's outlays are classified by the country of each individual ultimate beneficial owner.

an energy and chemical company. Other sizable German acquisitions were in "other industries," real estate, and machinery.

Outlays of Dutch UBO's were $1.2 billion, down from $1.7 billion. Most of the 1992 outlays reflected the purchases of the Illinois-based savings institution and the West Virginia-based plastics unit of a tire manufacturer.

Outlays of Canadian UBO's were $1.0 billion, down from $3.5 billion. The largest investments were the acquisitions of the two publishing companies. In addition, the U.S. affiliate of a Canadian company acquired the commercial floor products unit of a Pennsylvania-based construction company.

By source of funding

The decline in total outlays in 1992 reflected a decline in funding both by foreign parent groups and by existing U.S. affiliates. However, funding by foreign parent groups fell somewhat faster than that by U.S. affiliates, thus decreasing the relative importance of parent groups in the financing of transactions. Of the $13.5 billion in total outlays in 1992, $7.2 billion, or 53 percent, was funded by foreign parent groups; in 1991, foreign parent groups had funded $14.1 billion, or 55 percent of total outlays (table 6). These funds financed investments made both through U.S. affiliates and directly by foreign parents. The reduction in the amount of total outlays financed with foreign-source funds contributed to the shift to net capital outflows for foreign direct investment in the United States in 1992.[6]

6. Foreign-source funds used to acquire or establish U.S. affiliates are also included in U.S. capital flows for foreign direct investment in the United States (FDIUS) that are recorded in the U.S. balance of payments accounts. However, because the total FDIUS capital flows also include funds that are used for other purposes, the two measures are not directly comparable.

Preliminary estimates of capital flows for FDIUS in 1992 were published in table 5 of "U.S. International Transactions, Fourth Quarter and Year 1992," SURVEY OF CURRENT BUSINESS 73 (March 1993): 96. The estimated capital outflow of $3.9 billion recorded for 1992 contrasts with the estimated $7.2 billion in foreign-source funding (an inflow). However, the $3.9 billion is a net figure that includes several components—namely, decreases in equity, reinvested earnings, and changes in U.S. affiliates' receivables from their foreign parent groups—that are unrelated to foreign funding of new affiliates and for which net *outflows* of $28.1 billion were recorded in 1992. In contrast, net capital *inflows* of $24.2 billion were recorded for the components of capital flows that could represent foreign-parent funding of acquisitions and establishments—namely, increases in equity and changes in U.S. affiliate payables to their foreign parent groups. Some of these inflows also financed the operations of existing U.S. affiliates.

It should be noted that the estimates both of acquisitions and establishments of U.S. affiliates and of capital flows for FDIUS are preliminary. Revised capital flow estimates will be published in the June 1993 SURVEY, and revised estimates of new investments will be published in the May 1994 issue. Until both series have been revised, comparisons between the data on investment outlays funded by foreign parent groups and the data on total capital flows

Table 6.—Source of Funding of Investment Outlays, by Industry of U.S. Business Enterprise and by Country of Ultimate Beneficial Owner, 1991–92

	1991 r				1992 p			
	Millions of dollars			Funds from foreign parent groups as a percent of total	Millions of dollars			Funds from foreign parent groups as a percent of total
	Total outlays	Funds from foreign parent groups	Other		Total outlays	Funds from foreign parent groups	Other	
Total	**25,538**	**14,114**	**11,424**	**55**	**13,469**	**7,189**	**6,280**	**53**
By industry:								
Petroleum	702	74	628	11	484	(D)	(D)	(D)
Manufacturing	11,461	6,536	4,925	57	5,274	3,353	1,921	64
Wholesale trade	623	414	209	66	605	377	228	62
Retail trade	1,605	579	1,026	36	224	131	93	58
Banking	482	440	42	91	55	(D)	(D)	(D)
Finance, except banking	2,199	1,279	920	58	968	468	500	48
Insurance	2,102	1,717	385	82	251	44	207	18
Real estate	3,823	1,965	1,858	51	1,937	1,075	862	55
Services	2,256	919	1,337	41	1,476	983	493	67
Other industries	284	190	94	67	2,195	684	1,511	31
By country [1]:								
Canada	3,454	1,262	2,192	37	1,028	408	620	40
Europe	13,994	8,127	5,867	58	7,531	3,805	3,776	51
France	4,976	3,218	1,758	65	155	56	99	36
Germany [2]	1,922	1,371	551	71	1,753	794	959	45
United Kingdom	2,169	1,033	1,136	48	2,233	1,221	1,012	55
Other	4,927	2,505	2,422	51	3,390	1,733	1,657	51
Latin America and Other Western Hemisphere	375	295	80	79	1,552	916	636	59
Africa	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Middle East	1,006	373	633	37	(D)	(D)	(D)	(D)
Asia and Pacific	6,560	4,027	2,533	61	2,918	1,909	1,009	65
Japan	5,357	3,154	2,203	59	2,301	1,594	707	69
Other	1,203	873	330	73	617	315	302	51
United States [3]	(D)	(D)	(D)	(D)	7	1	6	14
Addenda:								
European Communities (12) [4]	12,007	7,276	4,731	61	6,422	2,929	3,493	46
OPEC [5]	1,119	478	641	43	963	239	724	25

r Revised.
p Preliminary.
D Suppressed to avoid disclosure of data of individual companies.
See footnotes to table 4.

Data Availability

Only summary data are published in this article. A set of supplementary tables containing detail on the number of investments and investors for 1987–91 and on investment outlays and selected operating data for the newly acquired or established businesses for 1987–92 will be available in July for $10.00 from the Public Information Office, Order Desk, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230. Visa or MasterCard orders may be placed by telephone at (202) 523–0640. When ordering, refer to the "BE-13 Supplementary Tables for the May 1993 SURVEY Article," Accession No. 50–93–20–105, and make checks payable to the Bureau of Economic Analysis. Comparable tables for 1980–86, Accession No. 50–89–20–106, are also available for $18.00.

In addition to the data on new foreign direct investments presented here, BEA also publishes estimates of quarterly balance of payments flows and the annual direct investment position for new and existing investments combined. Summary estimates of quarterly balance of payments flows appear in the "U.S. International Transactions" article in the March, June, September, and December issues of the SURVEY. Summary position estimates appear in the June SURVEY. More detailed annual estimates of both the flows and the position follow in the August issue. Estimates covering the operations of U.S. affiliates of foreign companies are also available from BEA; the most recent estimates appear in this issue of the SURVEY in "U.S. Affiliates of Foreign Companies: Operations in 1991."

The remaining $6.3 billion, or 47 percent, of 1992 outlays was funded by U.S. affiliates from sources other than the foreign parent groups. For example, the U.S. affiliates may have borrowed funds from unaffiliated foreign persons or from U.S. persons, or they may have generated the funds internally. In 1991, these other funding sources had financed 45 percent of outlays.

By industry, the percentage of financing by foreign parent groups was significantly above the all-industries average in services, manufacturing, and wholesale trade and was significantly below the average in insurance and "other industries."

By area, the percentage of financing by foreign parent groups was above the all-countries average for UBO's in the Middle East and in Asia and Pacific and below the average for UBO's in Canada and in Europe. Within Europe, the share of British investment financed by foreign parent groups was above average, whereas the share of French investment financed by foreign parent groups was considerably below average.

for FDIUS should be made with caution. Furthermore, it should be noted that, when disaggregated by country, the outlays data in this article are shown by country of UBO, whereas the capital flow data are shown by country of foreign parent.

Selected Operating Data

The total assets of U.S. businesses acquired or established by foreign direct investors in 1992 were $30.9 billion, down from $152.1 billion in 1991 (tables 7.1 and 7.2). The assets of the businesses acquired in 1992, at $22.3 billion, were larger than those of the businesses established, at $8.6 billion.

Assets in finance (except banking), at $8.4 billion, and in manufacturing, at $7.6 billion, together accounted for more than one-half of the total assets of U.S. businesses acquired or established. In finance (except banking), assets mainly reflected the acquisition of the Illinois-based savings institution. Within manufacturing, assets in "other manufacturing," at $2.7 billion, and in chemicals, at $1.9 billion, were largest.

Acquired businesses employed 104,000 workers. Manufacturers accounted for the largest share of these employees (51 percent); retail trade also accounted for a large share (20 percent). Newly established businesses employed 16,000 workers.

Foreign investors obtained 36,000 acres of U.S. land as a result of acquisitions. Real estate affiliates accounted for a majority of the acreage obtained. Foreign investors obtained 85,000 acres by establishing new businesses, including purchases of real estate.

Tables 7.1 and 7.2 follow.

Table 7.1.—Total Assets, Sales, Net Income, Employment, and Acres of Land Owned by U.S. Business Enterprises Acquired or Established, by Industry of U.S. Business Enterprise, 1991

[Millions of dollars unless otherwise indicated]

	Total assets of all U.S. business enterprises acquired or established	U.S. business enterprises acquired					U.S. business enterprises established				
		Total assets	Sales [1]	Net income	Number of employees	Number of acres of land owned	Total assets	Sales [1]	Net income	Number of employees	Number of acres of land owned
All industries	**152,076**	**132,540**	**45,470**	**−187**	**222,921**	**255,778**	**19,536**	**6,894**	**33**	**26,089**	**136,882**
Petroleum	**1,435**	**544**	**403**	**9**	**1,886**	(D)	**891**	(D)	**32**	(D)	(D)
Petroleum and coal products manufacturing	(D)	(D)	(D)	(*)	(D)	(D)	0	0	0	0	0
Other	(D)	(D)	(D)	9	(D)	(D)	891	(D)	32	(D)	(D)
Manufacturing	**14,786**	**12,326**	**13,943**	(*)	**90,865**	**17,384**	**2,461**	**1,714**	**−73**	**9,389**	**11,591**
Food and kindred products	1,312	1,285	1,570	−4	5,069	3,676	27	22	−6	186	(D)
Beverages	344	(D)	637	(D)	1,004	552	(D)	22	(D)	(D)	(D)
Other	968	(D)	933	(D)	4,065	3,124	(D)	(*)	(D)	(D)	0
Chemicals and allied products	3,306	1,759	1,503	62	8,342	1,481	1,547	863	(D)	(D)	(D)
Industrial chemicals and synthetics	820	(D)	(D)	(D)	2,613	(D)	(D)	3	(*)	(D)	0
Drugs	1,471	(D)	65	4	734	(D)	(D)	(D)	(D)	(D)	(D)
Soap, cleaners, and toilet goods	(D)	(D)	(D)	8	(D)	(D)	0	0	0	0	0
Other	(D)	303	340	(D)	(D)	259	(D)	(D)	9	(D)	(D)
Primary and fabricated metals	892	744	852	−8	6,263	498	148	112	−6	1,037	300
Primary metal industries	167	125	210	−7	1,200	81	42	(D)	−5	454	(D)
Ferrous	167	125	210	−7	1,200	81	42	(D)	−5	454	(D)
Nonferrous	0	0	0	0	0	0	0	0	0	0	0
Fabricated metal products	725	620	643	−1	5,063	417	105	(D)	−2	583	(D)
Machinery	7,013	6,712	6,905	32	46,921	4,539	301	260	(*)	2,256	56
Machinery, except electrical	1,809	(D)	3,953	−27	18,322	1,469	(D)	(D)	4	(D)	(D)
Office and computing machines	136	(D)	(D)	−4	1,505	(D)	(D)	(D)	3	(D)	0
Other	1,673	(D)	(D)	−23	16,817	(D)	(D)	(D)	1	(D)	(D)
Electric and electronic equipment	5,204	(D)	2,951	59	28,599	3,070	(D)	(D)	−4	(D)	(D)
Audio, video, and communications equipment	1,423	(D)	(D)	(D)	(D)	(D)	(D)	(D)	−1	(D)	(D)
Electronic components and accessories	(D)	(D)	366	−91	4,868	(D)	2	1	0	(D)	0
Other	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	−3	(D)	(D)
Other manufacturing	2,264	1,825	3,113	−82	24,270	7,190	439	458	(D)	(D)	(D)
Textile products and apparel	218	(D)	(D)	7	(D)	(D)	(D)	(D)	1	(D)	(D)
Lumber, wood, furniture, and fixtures	251	223	366	(*)	3,726	465	28	(D)	2	473	(D)
Paper and allied products	90	(D)	(D)	3	(D)	0	(D)	(D)	−4	(D)	0
Printing and publishing	218	218	523	(D)	3,570	15	0	0	0	0	0
Newspapers	(D)	(D)	(D)	(D)	(D)	8	0	0	0	0	0
Other	(D)	(D)	(D)	−6	(D)	7	0	0	0	0	0
Rubber products	73	(D)	50	1	508	(D)	(D)	80	4	501	(D)
Miscellaneous plastics products	333	(D)	325	5	3,025	266	(D)	9	−3	(D)	(D)
Stone, clay, and glass products	240	(D)	192	2	1,602	5,726	(D)	1	−1	(D)	(D)
Transportation equipment	391	(D)	709	(*)	4,517	291	(D)	(D)	(D)	180	(D)
Motor vehicles and equipment	194	(D)	122	−4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other transportation equipment	197	196	587	4	(D)	(D)	2	(D)	−1	(D)	0
Instruments and related products	262	261	357	−4	2,792	53	1	(*)	(*)	(D)	(D)
Other	188	176	281	(D)	1,327	(D)	12	12	−1	93	0
Wholesale trade	**1,400**	**1,189**	**2,177**	**1**	**8,382**	**222**	**211**	**455**	**−11**	**441**	**21**
Motor vehicles and equipment	35	34	(D)	(*)	356	(D)	1	1	(*)	(D)	(D)
Professional and commercial equipment and supplies	37	(D)	(D)	(*)	(D)	0	(D)	(D)	(*)	(D)	(D)
Metals and minerals, except petroleum	157	(D)	(D)	3	(D)	(D)	(D)	163	−2	(D)	0
Electrical goods	(D)	(D)	(D)	(D)	(D)	(D)	(D)	41	(*)	(D)	(D)
Machinery, equipment, and supplies	197	147	284	−6	623	0	50	110	−4	132	0
Other durable goods	45	36	85	−1	325	(D)	9	19	(*)	30	0
Groceries and related products	58	56	111	−7	(D)	(D)	2	1	(*)	(D)	0
Farm-product raw materials	(D)	(D)	27	4	27	(D)	0	0	0	0	0
Other nondurable goods	(D)	(D)	539	(D)	2,295	32	(D)	(D)	−5	(D)	0
Retail trade	(D)	(D)	**9,903**	(D)	**65,024**	(D)	**427**	**862**	(D)	**3,648**	**14**
General merchandise stores	5	0	0	0	0	0	5	(D)	−1	(D)	(D)
Food stores	(D)	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0
Apparel and accessory stores	(D)	(D)	(D)	(*)	(D)	0	(D)	(D)	2	(D)	(D)
Other	(D)	(D)	(D)	24	(D)	45	(D)	787	(D)	3,203	(D)
Banking	**36,785**	**34,969**	**3,775**	**−106**	**13,239**	**1,973**	**1,816**	**96**	**−3**	**177**	(D)
Finance, except banking	**13,955**	**12,350**	(D)	(D)	**3,806**	**0**	**1,605**	**61**	**26**	**103**	(D)
Insurance	(D)	(D)	(D)	**70**	**16,551**	(D)	(D)	(D)	**27**	(D)	(D)
Real estate	**4,805**	**258**	**50**	**−3**	**169**	**4,284**	**4,547**	**318**	**−9**	**416**	**59,108**
Services	(D)	(D)	**1,402**	**69**	**20,108**	**7,847**	(D)	**224**	**−44**	**2,878**	**7,812**
Hotels and other lodging places	787	279	111	(*)	2,773	(D)	508	111	−28	1,572	98
Business services	1,290	1,258	674	63	9,683	(D)	32	11	−4	144	0
Computer and data processing services	(D)	(D)	271	(D)	(D)	0	10	7	−3	97	0
Other business services	(D)	(D)	403	(D)	(D)	(D)	22	4	−1	47	0
Motion pictures, including television tape and film	(D)	(D)	(D)	(D)	(D)	0	5	2	(*)	(D)	(D)
Engineering, architectural, and surveying services	86	86	88	4	1,020	(D)	0	0	0	0	0
Accounting, research, management, and related services	88	39	32	1	501	(D)	50	12	−8	196	(D)
Health services	(D)	(D)	(D)	−4	(D)	(D)	0	0	0	0	0
Other services	(D)	449	384	(D)	5,408	2,310	(D)	88	−4	(D)	7,699
Other industries	**525**	**289**	**356**	**1**	**2,891**	(D)	**236**	**488**	(D)	(D)	**37,549**
Agriculture, forestry, and fishing	38	(D)	9	−2	(D)	(D)	(D)	2	(*)	12	19,436
Mining	42	41	(D)	−3	(D)	(D)	1	(*)	(*)	0	(D)
Coal	(D)	(D)	(D)	1	(D)	(D)	0	0	0	0	0
Other	(D)	(D)	5	−4	(D)	(D)	1	(*)	(*)	0	(D)
Construction	194	65	144	2	776	(D)	129	326	(D)	1,532	(D)
Transportation	100	33	75	3	1,015	(D)	67	(D)	−2	(D)	(D)
Communication and public utilities	151	(D)	(D)	1	928	(D)	(D)	(D)	(*)	(D)	0

(D) Suppressed to avoid disclosure of data of individual companies.
(*) Less than $500,000 (±).
1. Sales, or gross operating revenue, excluding sales taxes.

NOTE.—Data for 1991 are revised. For acquired businesses, data are for, or as of, the fiscal year preceding the year of acquisition; for newly established businesses, data are projections for, or as of the end of, the first full year of operation.

Table 7.2.—Total Assets, Sales, Net Income, Employment, and Acres of Land Owned by U.S. Business Enterprises Acquired or Established, by Industry of U.S. Business Enterprise, 1992

[Millions of dollars unless otherwise indicated]

	Total assets of all U.S. business enterprises acquired or established	U.S. business enterprises acquired					U.S. business enterprises established				
		Total assets	Sales [1]	Net income	Number of employees	Number of acres of land owned	Total assets	Sales [1]	Net income	Number of employees	Number of acres of land owned
All industries	**30,912**	**22,313**	**17,836**	**-200**	**104,382**	**36,263**	**8,600**	**3,825**	**138**	**15,868**	**84,746**
Petroleum	**612**	(D)	(D)	**74**	**1,024**	**211**	(D)	(*)	**-3**	**0**	**0**
Petroleum and coal products manufacturing	(D)	(D)	(D)	(*)	(D)	(D)	0	0	0	0	0
Other	(D)	(D)	(D)	74	(D)	(D)	(D)	(*)	-3	0	0
Manufacturing	**7,645**	**6,100**	**7,292**	**-235**	**53,431**	**5,359**	**1,546**	**1,862**	**41**	**9,587**	**274**
Food and kindred products	572	(D)	479	17	3,106	361	(D)	(D)	9	(D)	(D)
Beverages	26	6	2	(*)	(D)	(D)	20	(D)	(D)	(D)	(D)
Other	545	(D)	477	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chemicals and allied products	1,937	1,847	1,847	50	7,555	1,063	90	4	-5	72	(D)
Industrial chemicals and synthetics	532	(D)	448	-2	919	199	(D)	1	-1	(D)	(D)
Drugs	153	153	84	-11	1,104	0	0	0	0	0	0
Soap, cleaners, and toilet goods	(D)	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0
Other	(D)	682	(D)	(D)	(D)	(D)	(D)	3	-4	(D)	0
Primary and fabricated metals	1,464	1,292	1,487	-38	8,504	2,442	172	104	10	361	(D)
Primary metal industries	1,179	(D)	915	-36	(D)	(D)	(D)	(D)	2	(D)	(D)
Ferrous	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2	(D)	(D)
Nonferrous	(D)	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0
Fabricated metal products	285	(D)	571	-2	(D)	(D)	(D)	(D)	8	(D)	0
Machinery	962	764	811	-4	7,035	(D)	198	360	-3	1,120	55
Machinery, except electrical	543	(D)	372	-1	3,157	94	(D)	(D)	-5	(D)	(D)
Office and computing machines	61	59	84	-12	(D)	(D)	2	(*)	0	(D)	0
Other	482	(D)	288	11	(D)	(D)	(D)	(D)	-5	(D)	(D)
Electric and electronic equipment	420	(D)	440	-3	3,878	(D)	(D)	(D)	1	(D)	(D)
Audio, video, and communications equipment	(D)	(D)	68	4	444	0	0	0	0	0	0
Electronic components and accessories	153	(D)	184	-8	1,570	(D)	(D)	(D)	1	(D)	(D)
Other	(D)	(D)	188	1	1,864	(D)	0	0	0	0	0
Other manufacturing	2,710	(D)	2,667	-259	27,231	(D)	(D)	(D)	31	(D)	99
Textile products and apparel	(D)	(D)	(D)	(D)	(D)	(D)	2	(D)	(*)	(D)	0
Lumber, wood, furniture, and fixtures	(D)	(D)	(D)	(*)	(D)	(D)	(D)	(D)	(*)	(D)	(D)
Paper and allied products	(D)	(D)	(D)	(D)	(D)	(D)	(D)	0	0	(D)	0
Printing and publishing	(D)	(D)	222	6	1,831	(D)	0	0	0	0	0
Newspapers	0	0	0	0	0	0	0	0	0	0	0
Other	(D)	(D)	222	6	1,831	(D)	0	0	0	0	0
Rubber products	2	0	0	0	0	0	2	1	(*)	(D)	0
Miscellaneous plastics products	305	235	233	13	2,063	104	70	(D)	(D)	(D)	(D)
Stone, clay, and glass products	(D)	83	78	-6	610	(*)	(D)	(D)	(D)	(D)	0
Transportation equipment	199	182	362	-14	3,934	(D)	18	37	3	157	28
Motor vehicles and equipment	16	0	0	0	0	0	16	37	3	(D)	(D)
Other transportation equipment	184	182	362	-14	3,934	(D)	2	(*)	0	(D)	(D)
Instruments and related products	236	(D)	213	-12	2,137	(D)	(D)	(D)	(D)	(D)	(D)
Other	65	60	99	5	1,134	23	4	(*)	(*)	(D)	(D)
Wholesale trade	**1,339**	**746**	**963**	**22**	**7,715**	**165**	**594**	**1,356**	**69**	**1,600**	**39**
Motor vehicles and equipment	(D)	(D)	(D)	2	(D)	0	(D)	(D)	1	(D)	(D)
Professional and commercial equipment and supplies	12	12	21	-3	(D)	(D)	0	0	0	0	0
Metals and minerals, except petroleum	25	(D)	(D)	(*)	(D)	(D)	(D)	2	(*)	(D)	0
Electrical goods	848	(D)	(D)	9	(D)	(D)	(D)	1,095	(D)	(D)	(D)
Machinery, equipment, and supplies	(D)	5	(D)	(*)	(D)	0	(D)	(D)	(D)	(D)	(D)
Other durable goods	43	37	53	2	71	0	6	14	(*)	(D)	(D)
Groceries and related products	101	(D)	86	5	(D)	(D)	(D)	(D)	(*)	(D)	0
Farm-product raw materials	0	0	0	0	0	0	0	0	0	0	0
Other nondurable goods	215	182	130	9	1,006	(D)	33	106	2	62	0
Retail trade	**827**	**819**	**1,721**	**-136**	**20,617**	(D)	**8**	(D)	(*)	(D)	**0**
General merchandise stores	8	0	0	0	0	0	8	(D)	(*)	(D)	0
Food stores	8	8	45	1	531	0	0	0	0	0	0
Apparel and accessory stores	4	4	(D)	0	(D)	0	0	0	0	0	0
Other	807	807	(D)	-137	(D)	(D)	(*)	1	(*)	(D)	0
Banking	**2,200**	**2,200**	**87**	**-12**	**971**	(D)	**0**	**0**	**0**	**0**	**0**
Finance, except banking	**8,393**	(D)	(D)	**85**	(D)	(D)	(D)	**80**	**1**	**392**	**5**
Insurance	**2,921**	(D)	**166**	**2**	**391**	**0**	(D)	(D)	**6**	(D)	(D)
Real estate	**2,205**	**571**	**78**	**-53**	**370**	(D)	**1,634**	**158**	**17**	**354**	**17,406**
Services	**1,224**	**785**	**616**	**-36**	**6,957**	**169**	**440**	**198**	**5**	**3,429**	**675**
Hotels and other lodging places	421	215	85	-3	1,655	77	205	110	5	1,870	72
Business services	474	(D)	297	-30	2,733	(D)	(D)	52	5	(D)	11
Computer and data processing services	80	62	152	-17	1,458	0	18	(D)	1	(D)	(D)
Other business services	394	(D)	145	-13	1,275	(D)	(D)	(D)	4	(D)	(D)
Motion pictures, including television tape and film	17	(D)	4	-1	(D)	0	(D)	(D)	(*)	(D)	0
Engineering, architectural, and surveying services	16	16	47	-1	365	0	0	0	0	0	0
Accounting, research, management, and related services	50	(D)	13	-6	176	0	(D)	3	1	(D)	(D)
Health services	86	81	144	4	1,622	(D)	5	6	(*)	(D)	(D)
Other services	161	84	26	1	(D)	(D)	77	(D)	-7	283	(D)
Other industries	**3,546**	**3,380**	**3,596**	**89**	(D)	**9,354**	**167**	**62**	**1**	**434**	(D)
Agriculture, forestry, and fishing	52	8	1	-1	(D)	(D)	44	1	(*)	48	52.452
Mining	1,236	1,233	336	70	1,330	4,825	4	0	0	0	(D)
Coal	(D)	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0
Other	(D)	(D)	(D)	(D)	(D)	(D)	4	0	0	0	(D)
Construction	(D)	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0
Transportation	(D)	(D)	(D)	5	(D)	0	(D)	(D)	(*)	(D)	(D)
Communication and public utilities	1,303	(D)	(D)	(D)	1,576	(D)	(D)	(D)	(*)	(D)	(D)

(D) Suppressed to avoid disclosure of data of individual companies.
(*) Less than $500,000 (±).
1. Sales, or gross operating revenue, excluding sales taxes.

NOTE.—Data for 1992 are preliminary. For acquired businesses, data are for, or as of, the fiscal year preceding the year of acquisition; for newly established businesses, data are projections for, or as of the end of, the first full year of operation.

BEA Working Paper Summary: An Analysis of the Use of Time-Series Models to Improve Initial Estimates of International Transactions

By Albert A. Hirsch and Michael A. Mann

THIS PAPER REPORTS on an investigation to see whether the use of time-series models could improve the accuracy and decrease the bias of the initial estimates of international transactions data in both the national income and product accounts and the international transactions accounts. Currently, these estimates require a considerable degree of judgment in lieu of complete source data.

The time-series models used were autoregressive moving-average time-series models. They were augmented when possible with appropriate economic indicators. The models were specified and estimated for three categories of international transactions components, chosen primarily because of the size of revisions of their initial estimates: Merchandise exports and imports, travel receipts and expenditures, and receipts and payments on direct investment. These models were used to predict values for these components one period ahead; summary measures of errors calculated from these predictions were then compared with the size of revisions made to BEA's actual initial estimates.

Among the 18 sets of comparisons made, there were only two instances in which the time-series models significantly outperformed the initial BEA estimates in terms of accuracy: (Aggregate) nonpetroleum merchandise imports, and investment income payments in manufacturing industries. Among the remaining sets, the time-series models produced either a decrease in or little change in accuracy.

In three of the comparisons, the time-series models showed significantly reduced bias; in one of these—income payments in manufacturing industries—the time-series model also demonstrated improved accuracy.

It is concluded that the case for using time-series models to improve initial estimates of international transactions components is not strong. However, although model-based estimates should not be regarded as a satisfactory replacement for BEA's current estimating methodology, the study does suggest selected components for which model-based estimates may furnish useful additional information in making initial estimates.

The paper, which is BEA Working Paper No. 7, may be ordered from BEA's Public Information Office. Write to Order Desk, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or call (202) 523–0777. The accession number is 53–93–10–003; the price is $5.00.

BUSINESS CYCLE INDICATORS

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Current and historical data for the series shown in the C-pages are available on printouts, diskettes, and the Commerce Department's Economic Bulletin Board. For more information, write to Business Cycle Indicators Branch, Business Outlook Division (BE-52), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

NOTE.—This section of the SURVEY is prepared by the Business Cycle Indicators Branch.

Series no.	Series title and timing classification	Year 1992	1992 Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1993 Jan.	Feb.	Mar.	Apr.
	1. COMPOSITE INDEXES															
	The Leading Index															
910 ◆	Composite index of leading indicators, 1982=100 (L,L,L)	148.9	147.9	148.3	149.2	148.8	148.9	148.6	148.7	149.4	r150.5	r153.1	152.7	**153.5**	r151.9	p152.0
	Percent change from previous month	.5	.4	.3	.6	−.3	.1	−.2	.1	.5	.7	1.7	r−.3	.5	−1.0	p.1
◆	Percent change over 3-month span, AR	4.8	5.6	5.3	2.5	1.6	−1.6	−.3	1.3	r5.2	r12.4	9.1	r8.2	r−3.1	p−1.8	
	Leading index components:															
1 ◆	Average weekly hours, mfg. (L,L,L)	41.0	41.1	41.1	41.3	41.0	41.0	41.0	40.9	41.1	41.2	41.2	41.4	41.5	41.2	p**41.5**
5 ◆	Average weekly initial claims for unemployment insurance, thous. (L,C,L)[1] ‡.	412	425	413	418	429	417	436	455	396	373	**333**	364	343	376	374
8 ◆	Mfrs.' new orders, consumer goods and materials, bil. 1982$ (L,L,L).	1,092.41	88.65	90.17	89.73	90.70	91.53	90.02	90.41	92.00	93.74	r**98.26**	98.16	97.21	r95.41	p95.81
32 ◆	Vendor performance, slower deliveries diffusion index, percent (L,L,L)*.	50.2	50.1	48.1	50.2	50.5	51.1	50.2	50.9	48.8	51.0	51.7	53.2	53.1	52.1	**53.6**
20 ◆	Contracts and orders for plant and equipment, bil. 1982$ (L,L,L).	543.78	45.73	r44.46	44.39	46.45	44.41	44.67	45.51	r46.03	r45.55	r50.34	49.35	r**53.88**	r51.22	p48.37
29 ◆	Index of new private housing units authorized by local building permits, 1967=100 (L,L,L) §.	87.7	r86.3	r82.9	r84.0	r83.6	r86.4	r86.2	r89.3	r91.0	r90.6	r**95.4**	r92.3	r91.0	r82.5	87.8
92 ◆	Change in mfrs.' unfilled orders, durable goods, bil. 1982$, smoothed (L,L,L) ÷.	−2.79	−2.57	−2.65	−2.70	−2.74	−2.96	−3.17	−3.47	−3.24	−3.23	−2.66	−1.87	r−1.19	r−1.23	p−1.58
99 ◆	Change in sensitive materials prices, percent, smoothed (L,L,L) ÷.	.27	.14	.51	.77	**.83**	.72	.52	.50	.22	−.15	r−.26	r−.24	r−.18	r−.22	−.35
19 ◆	Index of stock prices, 500 common stocks, 1941-43=10, NSA (L,L,L)*.	415.74	407.36	407.41	414.81	408.27	415.05	417.93	418.48	412.50	422.84	435.64	435.23	441.70	**450.16**	443.08
106 ◆	Money supply M2, bil. 1982$ (L,L,L)	2,387.3	2,401.5	2,392.8	2,391.4	2,382.7	2,377.2	2,378.4	2,380.4	2,378.3	2,376.4	2,372.5	r2,354.5	2,338.6	r2,333.8	p2,324.8
83 ◆	Index of consumer expectations, U. of Michigan, 1966:I=100, NSA (L,L,L) ©[2].	70.3	70.3	70.5	71.2	70.7	67.6	69.5	67.4	67.5	78.2	**89.5**	83.4	80.6	75.8	76.4
950	Diffusion index of 11 leading indicator components:															
	Percent rising over 1-month span	54.5	40.9	45.5	45.5	36.4	50.0	40.9	54.5	63.6	63.6	77.3	36.4	54.5	r9.1	p54.5
◆	Percent rising over 6-month span	67.4	68.2	63.6	54.5	54.5	59.1	63.6	81.8	81.8	81.8	72.7	p72.7			
	The Coincident Index															
920 ◆	Composite index of coincident indicators, 1982=100 (C,C,C)	123.6	123.4	123.4	123.4	123.3	123.8	123.2	123.3	123.9	124.2	r125.5	125.4	r125.6	**125.8**	[3]125.3
	Percent change from previous month	.1	0	0	0	−.1	.4	−.5	.1	.5	.2	1.0	r−.1	.2	r.2	[3]−.4
◆	Percent change over 3-month span, AR	1.5	2.0	0	−.3	1.3	−.6	0	.3	3.3	r7.3	4.9	r4.6	r1.0	[3]−.3	
	Coincident index components:															
41 ◆	Employees on nonagricultural payrolls, thous. (C,C,C)	108,437	108,200	108,377	108,496	108,423	108,594	108,485	108,497	108,571	108,646	108,752	108,865	r109,203	r109,194	p**109,313**
51 ◆	Personal income less transfer payments, bil. 1987$, AR (C,C,C).	3,391.2	3,386.0	3,377.6	3,380.7	3,377.3	3,375.8	3,387.5	3,382.4	3,412.8	3,411.6	3,441.5	r3,439.3	r3,432.3	r**3,450.1**	p3,434.7
47 ◆	Index of industrial production, 1987=100 (C,C,C) §	106.6	r105.6	r106.3	r106.7	r106.0	r106.8	r106.6	r106.2	r107.5	r108.4	r108.9	r109.3	r109.9	r109.9	p**110.0**
57 ◆	Manufacturing and trade sales, mil. 1987$ (C,C,C)	5,849,872	r482,047	r483,154	480,624	486,048	490,651	485,449	491,591	491,220	495,195	505,405	r505,014	r506,532	p**507,256**	
951	Diffusion index of 4 coincident indicator components:															
	Percent rising over 1-month span	65.6	75.0	75.0	75.0	25.0	87.5	25.0	37.5	75.0	87.5	100.0	r50.0	75.0	r75.0	[3]66.7
◆	Percent rising over 6-month span	90.6	75.0	100.0	87.5	75.0	100.0	100.0	100.0	100.0	100.0	100.0	[3]100.0			
	The Lagging Index															
930 ◆	Composite index of lagging indicators, 1982=100 (Lg,Lg,Lg)	106.0	108.0	107.5	106.3	105.4	104.7	104.9	104.2	104.1	104.6	104.2	r103.8	r104.3	r104.1	[4]104.2
	Percent change from previous month	−.5	−.4	−.5	−1.1	−.8	−.7	.2	−.7	−.1	.5	−.4	r−.4	r.5	−.2	[4].1
◆	Percent change over 3-month span, AR	−5.6	−7.1	−7.5	−9.3	−10.0	−5.2	−4.5	−2.3	−1.1	0	r−1.1	r−1.1	r−.4	[4]1.6	
	Lagging index components:															
91 ◆	Average duration of unemployment, weeks (Lg,Lg,Lg) ‡	17.9	17.0	17.2	17.9	18.2	18.3	18.3	18.5	19.2	18.4	19.2	18.7	18.3	17.5	17.4
77 ◆	Ratio, mfg. and trade inventories to sales in 1987$ (Lg,Lg,Lg).	1.61	1.62	1.62	1.62	1.61	1.60	1.62	1.60	1.60	1.59	1.56	1.56	r1.56	p1.56	
62 ◆	Change in labor cost per unit of output, mfg., percent, AR, smoothed (Lg,Lg,Lg) ÷ §.	−1.5	r−2.7	r−3.2	r−3.2	r−2.1	r−1.8	r−1.2	r−.4	−.1	r−1.6	r−.1	r−1.2	r−1.6	r−1.7	p−1.6
109 ◆	Average prime rate charged by banks, percent, NSA (Lg,Lg,Lg)*.	6.25	6.50	6.50	6.50	6.50	6.02	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
101 ◆	Commercial and industrial loans outstanding, mil. 1982$ (Lg,Lg,Lg).	361,793	367,236	365,340	360,078	355,208	356,142	356,459	354,948	359,663	364,712	r365,248	r358,832	r360,354	r353,310	p352,821
95 ◆	Ratio, consumer installment credit outstanding to personal income, percent (Lg,Lg,Lg) §.	14.51	r14.66	r14.59	r14.52	r14.51	r14.47	r14.46	r14.43	r14.27	r14.31	r14.27	r14.25	r14.32	p14.30	
120 ◆	Change in Consumer Price Index for services, percent, AR, smoothed (Lg,Lg,Lg) ÷.	3.8	4.2	4.2	3.9	3.7	3.5	3.3	3.1	3.4	3.7	3.9	4.1	4.2	4.2	**4.3**
952	Diffusion index of 7 lagging indicator components:															
	Percent rising over 1-month span	32.1	35.7	35.7	14.3	7.1	14.3	28.6	21.4	57.1	64.3	50.0	42.9	r71.4	r35.7	[4]70.0
◆	Percent rising over 6-month span	22.6	0	0	7.1	0	14.3	r14.3	42.9	42.9	r71.4	50.0	[4]50.0			
940 ◆	Ratio, coincident index to lagging index, 1982=100 (L,L,L)	116.7	114.3	114.8	116.1	117.0	118.2	117.4	118.3	119.0	118.7	r120.4	r120.8	r120.4	r**120.8**	p120.2

NOTE.—The following current high values were reached before March 1992: June 1991—BCI-106 (2,424.6); August 1991—BCI-92 smoothed (−0.96); and December 1991—BCI-62 smoothed (1.1) and BCI-77 (1.66).

See page C-6 for other footnotes.

Series no.	Series title and timing classification	Year 1992	1992 Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1993 Jan.	Feb.	Mar.	Apr.
	2. LABOR FORCE, EMPLOYMENT, AND UNEMPLOYMENT															
	Labor force:															
441	Civilian labor force, thous.	126,982	126,548	126,743	127,039	127,298	127,350	127,404	127,274	127,066	127,365	127,591	127,083	127,327	127,429	127,341
442	Civilian employment, thous.	117,598	117,264	117,518	117,580	117,510	117,722	117,780	117,724	117,687	118,064	118,311	118,071	118,451	118,565	118,416
	Civilian labor force participation rates (percent):															
451	Males 20 years and over	77.3	77.4	77.4	77.7	77.6	77.4	77.5	77.3	77.3	77.1	77.1	76.8	76.8	76.9	76.8
452	Females 20 years and over	58.4	58.4	58.4	58.3	58.5	58.6	58.5	58.3	58.2	58.4	58.5	58.2	58.2	58.2	58.1
453	Both sexes 16-19 years of age	51.3	50.5	50.4	51.2	51.8	51.3	51.5	52.1	50.6	51.4	51.6	51.0	52.1	51.3	51.7
	Marginal employment adjustments:															
1 ♦	Average weekly hours, mfg. (L,L,L)	41.0	41.1	41.1	41.3	41.0	41.0	41.0	40.9	41.1	41.2	41.2	41.4	41.5	41.2	r41.5
21 ♦	Average weekly overtime hours, mfg. (L,C,L)	3.8	3.8	3.9	4.1	3.8	3.8	3.7	3.5	3.8	3.9	3.9	4.0	r4.2	3.9	p4.3
5 ♦	Average weekly initial claims for unemployment insurance, thous. (L,C,L) [1] ÷.	412	425	413	418	429	417	436	455	396	373	333	364	343	376	374
	Job vacancies:															
46 ♦	Index of help-wanted advertising, 1967=100 (L,Lg,U)	92	93	90	93	92	91	93	90	92	95	95	92	97	96	r96
60	Ratio, help-wanted advertising to unemployed (L,Lg,U)	.290	.298	.290	.293	.280	.281	.287	.280	.292	.304	.305	.304	.325	.322	p.320
	Employment:															
48 ♦	Employee hours in nonagricultural establishments, bil. hours, AR (U,C,C).	200.46	200.64	200.12	201.07	200.10	199.92	200.86	199.30	200.27	201.61	201.18	201.40	r202.30	r201.78	p202.13
42	Persons engaged in nonagricultural activities, thous. (U,C,C).	114,391	114,070	114,312	114,394	114,266	114,515	114,562	114,503	114,518	114,855	115,049	114,879	115,335	115,483	115,356
41 ♦	Employees on nonagricultural payrolls, thous. (C,C,C)	108,437	108,200	108,377	108,496	108,423	108,594	108,485	108,497	108,571	108,646	108,752	108,865	r109,203	r109,194	p109,313
963	Diffusion index of employees on private nonagricultural payrolls, 356 industries:															
	Percent rising over 1-month span	49.1	47.5	58.4	51.4	45.2	49.6	42.6	49.9	50.1	49.7	53.7	55.1	r61.5	rp48.0	p51.8
	Percent rising over 6-month span	49.0	49.7	51.1	47.3	49.3	42.8	42.0	46.2	47.6	r57.2	rp56.7	p57.3	...	...	...
40 ♦	Employees in goods-producing industries, thous. (L,C,U)	23,420	23,532	23,530	23,548	23,470	23,459	23,362	23,296	23,270	23,280	23,263	23,267	r23,374	r23,293	p23,214
90 ♦	Ratio, civilian employment to population of working age, percent (U,Lg,U).	61.4	61.4	61.5	61.5	61.4	61.4	61.4	61.3	61.3	61.4	61.5	61.3	61.4	61.4	61.3
	Unemployment:															
37	Number of persons unemployed, thous. (L,Lg,U) ÷	9,384	9,284	9,225	9,459	9,788	9,628	9,624	9,550	9,379	9,301	9,280	9,013	8,876	8,864	8,925
43 ♦	Civilian unemployment rate, percent (L,Lg,U) ÷	7.4	7.3	7.3	7.4	7.7	7.6	7.6	7.5	7.4	7.3	7.3	7.1	7.0	7.0	7.0
45	Average weekly insured unemployment rate, percent (L,Lg,U) [2] ÷ §.	3.0	3.1	r3.2	3.1	3.1	3.1	r3.0	r3.0	2.9	r2.8	r2.6	2.6	2.5	2.5	2.6
91 ♦	Average duration of unemployment, weeks (Lg,Lg,Lg) ÷	17.9	17.0	17.2	17.9	18.2	18.3	18.3	18.5	19.2	18.4	19.2	18.7	18.3	17.5	17.4
44	Unemployment rate, 15 weeks and over, percent (Lg,Lg,Lg) ÷.	2.6	2.5	2.4	2.6	2.7	2.8	2.8	2.8	2.8	2.7	2.8	2.6	2.5	2.4	2.3
	3. OUTPUT, PRODUCTION, AND CAPACITY UTILIZATION															
	Output:															
55 ♦	Gross domestic product, bil. 1987$, AR (C,C,C)	4,922.6	...	...	4,892.4	...	...	4,933.7	...	...	4,990.8	...	...	r5,002.5	...	...
	Percent change from previous quarter, AR	2.1	...	...	1.5	...	...	3.4	...	...	4.7	...	...	r.9	...	...
50	Gross national product, bil. 1987$, AR (C,C,C)	4,932.8	...	...	4,899.1	...	...	4,945.6	...	...	4,995.9	...	...	p5,019.6	...	...
49	Value of domestic goods output, bil. 1987$, AR (C,C,C)	1,959.4	...	...	1,936.7	...	...	1,966.2	...	...	2,010.6	...	...	r2,017.1	...	...
	Industrial production indexes, 1987=100:															
47 ♦	Total (C,C,C) §	106.6	r105.6	r106.3	r106.7	r106.0	r106.8	r106.6	r106.2	r107.5	r108.4	r108.9	r109.3	r109.9	r109.9	p110.0
73 ♦	Durable manufactures (C,C,C) §	108.1	r106.7	r107.2	r108.4	r107.6	r108.2	r108.5	r108.1	r109.8	r110.9	r111.8	r112.9	r113.9	r114.0	p114.4
74 ♦	Nondurable manufactures (C,L,L) §	105.4	r105.3	r105.5	r105.4	r105.2	r105.7	r105.2	r105.2	r105.8	r106.4	r106.0	r106.4	r106.4	r106.4	p106.8
75 ♦	Consumer goods (C,L,C) §	105.2	r104.7	r105.4	r105.8	r104.0	r104.9	r105.1	r104.4	r106.4	r107.1	r107.5	r107.6	r108.2	r108.1	p107.9
	Capacity utilization rates (percent):															
124	Total industry (L,C,U) §	79.8	r79.5	r79.9	r80.1	r79.5	r80.0	r79.7	r79.3	r80.2	r80.8	r81.0	r81.2	r81.5	r81.4	p81.4
82 ♦	Manufacturing (L,C,U) §	78.8	r78.6	r78.8	r79.1	r78.6	r78.9	r78.7	r78.4	r79.2	r79.7	r79.8	r80.3	r80.5	r80.5	p80.7
	4. SALES, ORDERS, AND DELIVERIES															
	Sales:															
57 ♦	Manufacturing and trade sales, mil. 1987$ (C,C,C)	5,849,872	r482,047	r483,154	480,624	486,048	490,651	485,449	491,591	491,220	495,195	505,405	r505,014	r506,532	p507,256	...
59 ♦	Sales of retail stores, mil. 1987$ (U,L,U)	1,671,031	r137,262	r137,260	137,848	137,485	138,377	138,914	139,635	142,398	142,013	143,717	143,296	r142,594	r141,297	p142,605
	Orders and deliveries:															
7 ♦	Mfrs.' new orders, durable goods, bil. 1982$ (L,L,L)	1,177.70	97.00	98.62	96.46	99.09	96.43	95.88	96.15	100.56	98.77	r107.99	105.45	107.39	r103.37	p103.00
8 ♦	Mfrs.' new orders, consumer goods and materials, bil. 1982$ (L,L,L).	1,092.41	88.65	90.17	89.73	90.70	91.53	90.02	90.41	92.00	93.74	r98.26	98.16	97.21	r95.41	p95.81
	Mfrs.' unfilled orders, durable goods, mil. 1982$ ◊	360,926	383,777	382,275	379,611	376,850	372,579	369,071	364,610	364,137	359,965	360,926	361,676	r361,403	r356,994	p353,276
	Change from previous month, bil. 1982$	−2.62	−3.63	−1.50	−2.66	−2.76	−4.27	−3.51	−4.46	−.47	−4.17	.96	.75	r−.27	r−4.41	p−3.72
92 ♦	Change from previous month, bil. 1982$, smoothed (L,L,L) ÷.	−2.79	−2.57	−2.65	−2.70	−2.74	−2.96	−3.17	−3.47	−3.24	−3.23	−2.66	−1.87	r−1.19	r−1.23	p−1.58
32 ♦	Vendor performance, slower deliveries diffusion index, percent (L,L,L)*.	50.2	50.1	48.1	50.2	50.5	51.1	50.2	50.9	48.8	51.0	51.7	53.2	53.1	52.1	53.6
	5. FIXED CAPITAL INVESTMENT															
	Formation of business enterprises:															
12 ♦	Index of net business formation, 1967=100 (L,L,L)	116.1	116.4	r115.4	113.2	117.5	116.6	114.2	118.5	116.4	115.4	117.0	121.3	121.3	p121.5	...
13 ♦	Number of new business incorporations (L,L,L)	...	57,403	54,462	48,673	58,730	56,942	51,245	59,179	52,462	p55,557	...	...	...	...	...
	Business investment commitments:															
10	Contracts and orders for plant and equipment, bil.$ (L,L,L).	411.45	36.37	r34.90	33.52	34.49	32.95	32.02	34.04	35.44	32.02	37.54	34.55	37.73	r34.83	p34.10
20 ♦	Contracts and orders for plant and equipment, bil. 1982$ (L,L,L).	543.78	45.73	r44.46	44.39	46.45	44.41	44.67	45.51	r46.03	r45.55	r50.34	49.35	r53.88	r51.22	p48.37
27 ♦	Mfrs.' new orders, nondefense capital goods, bil. 1982$ (L,L,L).	507.53	42.39	40.51	41.98	43.67	41.54	41.63	42.80	43.10	42.88	47.64	46.11	r51.45	r48.19	p46.21
9 ♦	Construction contracts awarded for commercial and industrial buildings, mil. sq. ft.(L,C,U) © [3].	497.94	41.30	40.36	35.24	42.69	42.00	42.68	38.60	45.51	42.49	42.61	36.89	39.88	43.63	45.63
11	New capital appropriations, mfg., bil.$ (U,Lg,U)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
97	Backlog of capital appropriations, mfg., bil.$ (C,Lg,Lg) ◊	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Business investment expenditures:															
61	New plant and equipment expenditures by business, bil.$, AR (C,Lg,Lg)*.	546.08	...	...	540.91	...	...	547.53	...	...	560.16	...	...	u571.41	...	...
100 ♦	New plant and equipment expenditures by business, bil. 1987$, AR (C,Lg,Lg)*.	512.92	...	...	505.99	...	...	516.53	...	...	528.96	...	...	u541.48	...	...

NOTE.—The following current high values were reached before March 1992: July 1991—BCI-10 (39.01) and BCI-92 change (5.66); August 1991—BCI-92 smoothed (−0.96); 3d Q 1991—BCI-11 (33.83); and October 1991—BCI-9 (50.37).

See page C-6 for other footnotes.

Series no.	Series title and timing classification	Year 1992	1992 Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1993 Jan.	Feb.	Mar.	Apr.
	5. FIXED CAPITAL INVESTMENT—Continued															
	Business investment expenditures—Continued:															
69 ◆	Mfrs.' machinery and equipment sales and business construction expenditures, bil.$, AR (C,Lg,Lg).	441.69	449.23	432.80	427.89	457.56	442.75	428.95	442.75	439.89	452.26	467.30	450.48	r456.47	**r472.44**	p453.46
76 ◆	Index of industrial production, business equipment, 1987=100 (C,Lg,U) §.	123.2	r119.0	r120.6	r122.1	r121.9	r123.7	r126.1	r125.0	r127.5	r129.0	r129.6	r131.2	r131.8	r132.9	**p134.0**
	Gross private nonresidential fixed investment, bil. 1987$, AR:															
86 ◆	Total (C,Lg,C)	515.0	...	...	514.7	...	...	518.7	...	...	530.9	...	...	**r545.4**	...	...
87 ◆	Structures (Lg,Lg,Lg)	146.8	...	...	149.1	...	...	144.7	...	...	144.0	...	...	r143.4	...	...
88 ◆	Producers' durable equipment (C,Lg,C)	368.2	...	...	365.6	...	...	374.0	...	...	386.9	...	...	**r402.0**	...	...
	Residential construction and investment:															
28 ◆	New private housing units started, thous., AR (L,L,L)	1,200	**1,318**	1,095	1,197	1,141	1,106	1,229	1,218	1,226	1,226	1,286	1,171	r1,180	r1,137	p1,213
29 ◆	Index of new private housing units authorized by local building permits, 1967=100 (L,L,L) §.	87.7	r86.3	r82.9	r84.0	r83.6	r86.4	r86.2	r89.3	r91.0	r90.6	**r95.4**	r92.3	r91.0	r82.5	87.8
89 ◆	Gross private residential fixed investment, bil. 1987$, AR (L,L,L).	192.6	...	...	191.2	...	...	191.3	...	...	**202.3**	...	...	r202.2	...	...
	6. INVENTORIES AND INVENTORY INVESTMENT															
	Inventories on hand:															
70	Mfg. and trade inventories, bil. 1987$ (Lg,Lg,Lg) ◊	786.63	780.49	781.42	779.50	782.34	785.19	786.85	784.85	784.27	785.44	786.63	r786.78	r788.99	**p792.80**	...
77 ◆	Ratio, mfg. and trade inventories to sales in 1987$ (Lg,Lg,Lg).	1.61	1.62	1.62	1.62	1.61	1.60	1.62	1.60	1.60	1.59	1.56	1.56	r1.56	p1.56	...
	Inventory investment:															
30 ◆	Change in business inventories, bil. 1987$, AR (L,L,L)	5.0	...	...	7.8	...	...	15.0	...	...	9.8	...	...	**r36.8**	...	...
31 ◆	Change in mfg. and trade inventories, bil.$, AR (L,L,L)	15.6	r20.4	r41.3	−4.4	55.4	40.6	27.0	−11.5	11.4	14.9	26.6	26.6	r42.5	**p78.8**	...
	7. PRICES															
	Sensitive commodity prices:															
	Index of sensitive materials prices, 1982=100	119.61	118.53	120.10	121.08	121.22	120.88	120.56	**122.03**	120.26	118.59	r119.39	119.88	r119.98	119.10	117.90
	Percent change from previous month	.21	**1.74**	1.32	.82	.12	−.28	−.26	1.22	−1.45	−1.39	r.67	r.41	r.08	r−.73	−1.01
99 ◆	Percent change from previous month, smoothed (L,L,L) ÷.	.27	.14	.51	.77	**.83**	.72	.52	.50	.22	−.15	r−.26	r−.24	r−.18	r−.22	−.35
98	Index of producer prices for sensitive crude and intermediate materials, 1982=100 (L,L,L).	141.98	141.83	141.33	141.73	141.40	141.21	141.28	142.97	142.96	144.17	r148.80	153.56	158.72	**163.01**	162.31
	Cattle hides	171.6	166.3	161.9	168.9	169.2	167.5	172.1	180.2	180.9	177.4	r180.3	187.8	177.4	177.4	171.4
	Lumber and wood products	146.7	146.0	145.5	145.4	144.9	143.4	145.0	148.6	150.2	151.9	r157.1	161.9	169.4	177.9	179.6
	Wastepaper, news	91.6	83.8	83.0	85.0	88.7	91.6	94.3	96.9	97.3	100.6	r100.4	101.0	108.6	108.6	109.6
	Wastepaper, mixed, NSA	64.5	51.7	55.6	56.3	56.5	52.1	51.2	84.6	86.7	86.7	r87.0	84.7	86.6	98.0	104.4
	Wastepaper, corrugated	146.4	148.4	149.2	150.3	149.2	148.9	138.7	139.6	139.3	145.4	r145.5	146.1	144.0	146.1	146.3
	Iron and steel scrap	139.2	143.6	141.6	141.3	139.8	141.0	135.8	134.9	133.5	135.8	r142.8	148.3	159.5	158.3	154.1
	Copper base scrap	162.9	162.6	160.1	162.4	169.1	173.9	171.9	163.6	159.1	155.9	155.3	164.5	162.5	152.4	140.1
	Aluminum base scrap	137.5	138.9	142.7	145.4	143.4	144.5	143.2	135.1	131.1	129.4	r136.3	143.5	136.5	128.9	122.7
	Other nonferrous scrap, n.e.c., NSA	131.4	133.6	136.8	135.8	134.2	136.7	138.9	133.9	128.4	123.4	r124.6	129.7	128.1	124.6	119.8
	Sand, gravel, and crushed stone	130.6	130.1	130.1	130.1	130.2	130.8	131.0	131.1	131.4	131.5	r132.1	132.8	132.6	132.4	133.1
	Raw cotton	89.8	85.3	85.6	87.8	89.0	95.7	92.6	94.8	85.8	89.3	92.8	96.9	94.0	95.8	88.7
	Domestic apparel wool	81.5	86.9	86.1	89.0	85.0	84.7	83.6	83.5	80.7	73.7	74.0	66.6	63.1	55.3	52.3
23 ◆	Index of spot market prices, raw industrial materials, 1967=100, NSA (U,L,L) © 1*.	275.5	268.0	278.1	281.5	284.2	**285.7**	283.1	284.7	277.7	267.7	266.4	268.7	270.0	266.9	261.5
	Copper scrap, $ per lb. ©	.873	.827	.825	.873	.911	1.017	.986	.895	.841	.793	.834	.906	.888	.811	.717
	Lead scrap, $ per lb. ©	.163	.168	.177	.175	.168	.156	.153	.168	.179	.150	.146	.150	.159	.162	.149
	Steel scrap, $ per ton ©	90.237	89.510	91.185	91.241	91.065	88.589	86.022	87.280	89.930	92.262	96.118	97.361	109.091	109.347	105.380
	Tin, $ per lb., NSA ©	4.022	3.756	3.870	4.032	4.352	4.503	4.409	4.344	3.952	3.802	3.803	3.901	3.835	3.779	3.738
	Zinc, $ per lb., NSA ©	.609	.601	.640	.665	.673	.635	.663	.673	.573	.520	.530	.524	.535	.496	.504
	Burlap, $ per yd., NSA ©	.259	.271	.271	.269	.266	.258	.252	.249	.245	.245	.245	.245	.245	.245	.245
	Cotton, $ per lb. ©	.539	.529	.534	.520	.538	.578	.563	.539	.508	.525	.552	.577	.580	.569	.540
	Print cloth, $ per yd., NSA ©	.732	.758	.787	.782	.782	.744	.700	.696	.690	.675	.660	.650	.640	.652	.650
	Wool tops, $ per lb., NSA ©	3.870	4.040	4.000	4.000	4.000	4.000	4.000	3.840	3.750	3.625	3.520	3.400	3.312	3.160	3.000
	Hides, $ per lb., NSA ©	.758	.696	.768	.800	.764	.765	.730	.764	.815	.795	.812	.801	.800	.816	.814
	Rosin, $ per 100 lb. ©	60.008	59.113	59.406	59.821	60.181	60.729	60.914	60.729	60.729	60.423	59.880	59.642	59.524	59.642	59.761
	Rubber, $ per lb. ©	.463	.434	.456	.465	.465	.459	.466	.467	.490	.494	.494	.489	.475	.453	.437
	Tallow, $ per lb. ©	.141	.124	.134	.139	.133	.144	.164	.155	.153	.160	.149	.147	.146	.152	.158
	Producer Price Indexes:															
336	Finished goods, 1982=100	123.2	122.5	122.8	123.2	123.5	123.5	123.6	123.9	124.0	123.8	123.8	124.0	124.5	125.0	125.7
	Percent change over 1-month span	.1	.2	.2	.3	.2	0	.1	.2	.1	−.2	0	.2	.4	.4	.6
◆	Percent change over 6-month span, AR	1.7	2.6	2.6	2.3	2.3	2.0	1.0	.5	.8	1.5	1.8	2.8	...	...	...
337	Finished goods less foods and energy, 1982=100	134.2	133.6	134.0	134.5	134.2	134.4	134.4	134.6	134.5	134.8	r135.0	135.4	135.8	136.0	136.5
	Percent change over 1-month span	.2	.3	.3	.4	−.2	.1	0	.1	−.1	.2	.1	r.3	.3	.1	.4
◆	Percent change over 6-month span, AR	1.9	2.7	2.0	1.8	1.5	.7	.4	r1.2	1.5	2.1	2.1	3.0	...	...	...
334	Finished consumer goods, 1982=100	121.7	120.9	121.1	121.6	122.1	122.1	122.1	122.5	122.6	122.3	122.3	122.5	123.0	123.5	124.3
	Percent change over 1-month span	.1	.2	.2	.4	.4	0	0	.3	.1	−.2	0	.2	.4	.4	.6
◆	Percent change over 6-month span, AR	1.8	2.8	3.2	2.5	2.7	2.5	1.2	.3	.7	1.5	1.6	2.8	...	...	...
333	Capital equipment, 1982=100	129.1	128.8	129.1	129.2	129.1	129.2	129.5	129.5	129.3	129.5	r129.7	130.0	130.6	130.8	131.0
	Percent change over 1-month span	.1	.3	.2	.1	−.1	.1	.2	0	−.2	.2	r.2	r.2	.5	.2	.2
◆	Percent change over 6-month span, AR	1.5	2.2	1.4	1.7	1.1	.3	.5	r.9	1.2	1.7	2.0	2.6	...	...	...
332	Intermediate materials, supplies, and components, 1982=100.	114.7	113.9	114.1	114.5	115.3	115.3	115.3	115.5	115.2	114.9	r114.9	115.3	115.9	116.3	116.5
	Percent change over 1-month span	.1	.1	.2	.4	.7	0	0	.2	−.3	−.3	r0	.3	.5	.3	.2
◆	Percent change over 6-month span, AR	1.5	2.8	3.7	2.7	2.8	1.9	.7	r−.7	0	1.0	1.4	2.3	...	...	...
331	Crude materials for further processing, 1982=100	100.4	97.1	98.1	100.1	101.5	101.6	100.9	103.0	102.7	102.6	r101.5	101.9	101.4	101.8	103.0
	Percent change over 1-month span	.3	−1.7	1.0	2.0	1.4	.1	−.7	2.1	−.3	−.1	r−1.1	r.4	−.5	.4	1.2
◆	Percent change over 6-month span, AR	3.4	6.4	9.0	4.3	12.5	9.6	5.1	r0	.6	1.0	−2.3	.6	...	...	...
311	Fixed-weighted price index, gross domestic business product, 1987=100 §.	120.6	...	...	r120.2	...	...	r120.9	...	...	r121.9	...	...	r123.0	...	...
◆	Percent change from previous quarter, AR §	2.6	...	...	2.7	...	...	2.3	...	...	r3.4	...	...	r3.8	...	...
	Consumer Price Indexes for all urban consumers:															
320	All items, 1982-84=100, NSA	140.3	139.3	139.5	139.7	140.2	140.5	140.9	141.3	141.8	142.0	141.9	142.6	143.1	143.6	144.0
	Percent change over 1-month span	.2	.4	.3	.1	.2	.3	.2	.1	.4	.2	.1	.5	.3	.1	.4
◆	Percent change over 6-month span, AR	3.1	3.1	3.1	3.0	2.6	2.9	3.0	2.9	3.3	3.6	3.6	3.6	...	...	...
323	All items less food and energy, 1982-84=100	147.3	146.3	146.7	147.1	147.3	147.8	148.1	148.2	148.9	149.3	149.6	150.3	151.0	151.2	151.8
	Percent change over 1-month span	.3	.3	.3	.3	.1	.3	.2	.1	.5	.3	.2	.5	.5	.1	.4
◆	Percent change over 6-month span, AR	3.5	3.6	3.5	3.2	2.6	3.0	3.0	3.1	3.4	4.0	4.1	3.9	...	...	...
	Services, 1982-84=100	152.0	150.6	151.1	151.4	151.8	152.2	152.6	152.9	153.7	154.2	154.7	155.3	155.8	156.2	**156.9**
	Percent change from previous month, AR	3.8	4.9	4.1	2.4	3.2	3.2	3.2	2.4	**6.5**	4.0	4.0	4.8	3.9	3.1	5.5
120 ◆	Percent change from previous month, AR, smoothed (Lg,Lg,Lg) ÷.	3.8	4.2	4.2	3.9	3.7	3.5	3.3	3.1	3.4	3.7	3.9	4.1	4.2	4.2	**4.3**

NOTE.—The following current high value was reached before March 1992: December 1991—BCI-77 (1.66).
See page C-6 for other footnotes.

Series no.	Series title and timing classification	Year 1992	1992 Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1993 Jan.	Feb.	Mar.	Apr.
	8. PROFITS AND CASH FLOW															
	Profits and profit margins:															
16 ♦	Corporate profits after tax, bil.$, AR (L,L,L)	231.4			232.7			222.2			241.0			p253.8		
18 ♦	Corporate profits after tax, bil. 1987$, AR (L,L,L)	197.9			199.3			189.2			205.2			p216.7		
22 ♦	Ratio, corporate domestic profits after tax to corporate domestic income, percent (L,L,L).	6.1			6.3			5.8			6.4			p6.3		
81 ♦	Ratio, corporate domestic profits after tax with IVA and CCAdj to corporate domestic income, percent (U,L,L).	6.9			6.7			6.5			7.8			p7.4		
26 ♦	Ratio, implicit price deflator to unit labor cost, all persons, nonfarm business sector, 1982=100(L,L,L).	103.7			103.7			103.4			r104.3			p104.0		
35	Corporate net cash flow, bil. 1987$, AR (L,L,L)	466.5			463.5			466.2			477.0			p492.9		
	9. WAGES, LABOR COSTS, AND PRODUCTIVITY															
	Wages and compensation:															
345	Index of average hourly compensation, all employees, nonfarm business sector, 1982=100.	150.4			149.4			150.9			152.5			p153.8		
	Percent change from previous quarter, AR	3.7			2.5			4.2			r4.3			p3.4		
346	Index of real average hourly compensation, all employees, nonfarm business sector. 1982=100.	103.4			103.0			103.4			r103.7			p103.6		
	Percent change from previous quarter, AR	.7			–.6			1.5			r1.1			p–.4		
53 ♦	Wages and salaries in mining, mfg., and construction, bil. 1987$, AR (C,C,C).	593.5	595.3	595.2	597.5	594.0	592.4	591.6	588.5	592.8	589.4	595.9	588.9	r591.5	r589.7	p589.0
	Unit labor costs:															
63	Index of unit labor cost, all persons, business sector, 1982=100 (Lg,Lg,Lg).	134.3			134.1			134.5			r134.6			p135.8		
	Index of labor cost per unit of output, mfg., 1987=100 §	109.4	r109.3	r109.3	r109.2	r109.6	r109.2	r109.3	r109.5	r109.4	r108.1	r109.5	r108.0	r108.1	r108.0	p108.0
	Percent change from previous month, AR §	–1.7	r–6.4	r0	r–1.1	r4.5	r–4.3	r1.1	r2.2	r–1.1	r–13.4	r16.7	r–15.3	r1.1	r–1.1	p0
62 ♦	Percent change from previous month, AR, smoothed (Lg,Lg,Lg) ∓ §.	–1.5	r–2.7	r–3.2	r–3.2	r–2.1	r–1.8	r–1.2	r–.4	–.1	r–1.6	r–.1	r–1.2	r–1.6	r–1.7	p–1.6
	Productivity:															
370	Index of output per hour, all persons, business sector, 1982=100.	113.3			112.6			113.5			r114.7			p114.7		
♦	Percent change over 1-quarter span, AR	2.9			1.0			3.3			r4.3			p.1		
♦	Percent change over 4-quarter span, AR				r3.1			p2.2								
358	Index of output per hour, all persons, nonfarm business sector, 1982=100.	111.6			111.1			111.8			r113.0			p113.0		
	10. PERSONAL INCOME AND CONSUMER ATTITUDES															
	Personal income:															
52	Personal income, bil. 1987$, AR (C,C,C)	4,091.9	4,076.2	4,070.9	4,078.4	4,076.5	4,078.1	4,094.3	4,090.9	4,125.9	4,118.3	4,155.2	r4,161.8	r4,153.1	r4,175.4	p4,159.7
51 ♦	Personal income less transfer payments, bil. 1987$, AR (C,C,C).	3,391.2	3,386.0	3,377.6	3,380.7	3,377.3	3,375.8	3,387.5	3,382.4	3,412.8	3,411.6	3,441.5	r3,439.3	r3,432.3	r3,450.1	p3,434.7
	Indexes of consumer attitudes:															
58	Consumer sentiment, U. of Michigan, 1966:I=100, NSA (L,L,L) © [1].	77.3	76.0	77.2	79.2	80.4	76.6	76.1	75.6	73.3	85.3	91.0	89.3	86.6	85.9	85.6
83 ♦	Consumer expectations, U. of Michigan, 1966:I=100, NSA (L,L,L) © [1].	70.3	70.3	70.5	71.2	70.7	67.6	69.5	67.4	67.5	78.2	89.5	83.4	80.6	75.8	76.4
122	Consumer confidence, The Conference Board, 1985=100 (L,L,L)*.	61.6	56.5	65.1	71.9	72.6	61.2	59.0	57.3	54.6	65.6	78.1	76.7	68.5	63.2	67.6
123 ♦	Consumer expectations, The Conference Board, 1985=100 (L,L,L)*.	82.0	76.7	89.7	96.9	95.9	80.1	78.3	74.2	70.7	85.7	103.9	98.0	84.7	77.3	81.1
	11. SAVING															
290	Gross saving, bil.$, AR	686.3			682.9			696.9			687.9			p736.5		
295	Business saving, bil.$, AR	757.7			735.9			788.9			770.6			p786.0		
292	Personal saving, bil.$, AR	212.6			232.3			203.3			200.4			r219.0		
298 ♦	Government surplus or deficit, bil.$, AR	–282.5			–285.2			–295.2			–277.2			p–262.5		
293 ♦	Personal saving rate, percent	4.8			5.3			4.6			4.4			4.8		
	12. MONEY, CREDIT, INTEREST RATES, AND STOCK PRICES															
	Money:															
85 ♦	Percent change in money supply M1 (L,L,L)*	1.11	.96	.65	1.17	.04	1.12	1.27	1.50	1.60	1.31	.74	r.65	r–.02	r.22	p.75
102 ♦	Percent change in money supply M2 (L,C,U)	.12	0	–.09	.08	–.16	.04	.25	.22	.32	.19	–.03	–.29	–.34	r–.07	p.02
105	Money supply M1, bil. 1982$ (L,L,L)	664.2	647.6	650.0	656.7	655.6	661.2	668.2	677.2	685.2	692.3	696.5	r697.7	r695.2	r695.8	p698.3
106 ♦	Money supply M2, bil. 1982$ (L,L,L)	2,387.3	2,401.5	2,392.8	2,391.4	2,382.7	2,377.2	2,378.4	2,380.4	2,378.3	2,376.4	2,372.5	r2,354.5	2,338.6	r2,333.8	p2,324.8
	Velocity of money:															
107	Ratio, gross domestic product to money suppy M1 (C,C,C).	6.161			6.221			6.124			5.979			r5.946		
108	Ratio, personal income to money supply M2 (C,Lg,C)	1.456	1.445	1.448	1.451	1.455	1.458	1.456	1.460	1.474	1.470	1.485	1.498	r1.505	1.515	p1.515
	Bank reserves:															
93	Free reserves, mil.$, NSA (L,U,U) ∓	854	939	1,049	845	684	681	684	707	931	939	1,032	1,096	1,059	r1,122	p1,023
94	Member bank borrowings from the Federal Reserve, mil.$, NSA (L,Lg,U).	172	91	90	155	229	284	251	287	143	104	124	165	45	91	p73
	Credit flows:															
112 ♦	Net change in business loans, bil.$, AR (L,L,L)	–.11	–12.97	–17.65	–34.54	–34.39	8.95	–4.08	–8.56	71.08	58.43	r–1.19	r–73.32	r30.19	r–78.71	p14.21
113 ♦	Net change in consumer installment credit, bil.$, AR (L,L,L) §.	7.58	r2.51	r–32.38	r–13.49	r3.05	r–4.44	r6.32	r24.00	r14.06	r21.94	r60.84	r37.24	r54.83	p41.28	
111	Percent change in business and consumer credit outstanding, AR (L,L,L).		–7.2	–6.0	–3.8	–7.0	–3.1	–3.6	–.9	3.0	p2.2					
110 ♦	Funds raised by private nonfinancial borrowers in credit markets, mil.$, AR (L,L,L).	307,589			286,380			313,172			p302,292					
	Credit difficulties:															
14	Current liabilities of business failures, mil.$, NSA (L,L,L) ∓.	92,174.6	r6,322.2	p7,881.2	p12,020.3	p13,932.0	p3,574.6	p9,031.7	p3,215.7	p7,863.4	p3,982.9	p8,136.8	p6,174.9	p2,406.7	p4,343.0	
39	Percent of consumer installment loans delinquent 30 days and over (L,L,L) © [2] ◊ ∓.	2.43	2.86	2.67	2.77	2.60	2.55	2.60	2.46	2.51	2.53	2.43				

NOTE.—The following current high values were reached before March 1992: June 1991—BCI-106 (2,424.6); July 1991—BCI-93 (345); August 1991—BCI-94 (764); October 1991—BCI-53 (608.4); December 1991—BCI-62 index (111.7) and BCI-62 smoothed (1.1); February 1992—BCI-85 (1.61) and BCI-102 (0.48); and 1st Q 1992—BCI-110 (328,512).

See page C-6 for other footnotes.

Series no.	Series title and timing classification	Year 1992	1992 Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1993 Jan.	Feb.	Mar.	Apr.
	12. MONEY, CREDIT, INTEREST RATES, AND STOCK PRICES—Continued															
	Outstanding debt:															
66	Consumer installment credit outstanding, mil.$ (Lg,Lg,Lg) ◊ §.	741,093	r734,434	r731,736	r730,612	r730,866	r730,496	r731,023	r733,023	r734,195	r736,023	r741,093	r744,196	r748,765	p752,205	.....
72	Commercial and industrial loans outstanding, mil.$, (Lg,Lg,Lg).	423,955	426,361	424,890	422,012	419,146	419,892	419,552	418,839	424,762	429,631	r429,532	r423,422	r425,938	r419,379	p420,563
101 ♦	Commercial and industrial loans outstanding, mil. 1982$ (Lg,Lg,Lg).	361,793	367,236	365,340	360,078	355,208	356,142	356,459	354,948	359,663	364,712	r365,248	r358,832	r360,354	r353,310	p352,821
95 ♦	Ratio, consumer installment credit outstanding to personal income, percent (Lg,Lg,Lg) §.	14.51	r14.66	r14.59	r14.52	r14.51	r14.47	r14.46	r14.43	r14.27	r14.31	r14.27	r14.25	r14.32	p14.30	.....
	Interest rates (percent, NSA):															
119 ♦	Federal funds rate (L,Lg,Lg)*	3.52	3.98	3.73	3.82	3.76	3.25	3.30	3.22	3.10	3.09	2.92	3.02	3.03	3.07	2.96
114 ♦	Discount rate on new 91-day Treasury bills (C,Lg,Lg)*	3.46	4.05	3.81	3.66	3.70	3.28	3.14	2.97	2.84	3.14	3.25	3.06	2.95	2.97	2.89
116 ♦	Yield on new high-grade corporate bonds (Lg,Lg,Lg)*	8.33	8.62	8.59	8.57	8.45	8.19	7.96	7.99	8.17	8.25	8.12	7.91	7.73	7.39	7.48
115 ♦	Yield on long-term Treasury bonds (C,Lg,Lg)*	7.52	7.93	7.88	7.80	7.72	7.40	7.19	7.08	7.26	7.43	7.30	7.17	6.89	6.65	6.64
117	Yield on municipal bonds, 20-bond average (U,Lg,Lg)*	6.44	6.76	6.67	6.57	6.49	6.13	6.16	6.25	6.41	6.36	6.22	6.16	5.87	5.64	5.76
118	Secondary market yields on FHA mortgages (Lg,Lg,Lg)	8.46	8.85	8.79	8.66	8.56	8.12	8.08	8.06	8.29	8.54	8.12	8.04	7.55	7.57	7.56
109 ♦	Average prime rate charged by banks (Lg,Lg,Lg)*	6.25	6.50	6.50	6.50	6.50	6.02	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
19 ♦	Index of stock prices, 500 common stocks, 1941-43=10, NSA (L,L,L)*.	415.74	407.36	407.41	414.81	408.27	415.05	417.93	418.48	412.50	422.84	435.64	435.23	441.70	450.16	443.08
	13. NATIONAL DEFENSE															
525	Defense Department prime contract awards, mil.$	.....	12,502	11,837	10,474	10,792	12,812	9,767	10,630	.....	.....	.....	11,358	9,579	p11,628	.....
548	Manufacturers' new orders, defense products, mil.$	81,468	6,730	8,101	5,854	7,167	5,630	6,462	5,170	7,439	6,759	7,955	8,798	6,360	r6,923	p7,121
557	Index of industrial production, defense and space equipment, 1987=100 §.	85.9	r88.9	r87.7	r87.2	r86.5	r85.1	r84.5	r84.4	r83.5	r83.2	r82.5	r82.0	r81.4	r80.9	p80.5
570	Employment, defense products industries, thous.	1,062	1,098	1,084	1,076	1,065	1,054	1,046	1,038	1,028	1,022	1,013	1,002	996	p986	.....
564 ♦	Federal Government purchases, national defense, bil.$, AR	315.8	.....	.....	311.7	.....	.....	319.6	.....	.....	318.2	.....	.....	r304.3	.....	.....
	14. EXPORTS AND IMPORTS															
602	Exports, excluding military aid shipments, mil.$ §	448,024	r37,172	r36,382	r35,973	r38,039	r37,430	r36,369	r37,661	r38,884	r37,796	r39,178	r37,504	r36,928	38,996	.....
604	Exports of domestic agricultural products, mil.$	42,228	r3,139	3,609	3,163	3,660	3,629	3,472	3,801	3,978	3,399	3,518	3,358	3,484	3,223	.....
606	Exports of nonelectrical machinery, mil.$	94,304	7,456	7,611	7,571	8,068	7,842	7,737	8,317	7,963	8,026	8,438	7,817	8,090	8,402	.....
612	General imports, mil.$ §	532,665	r42,724	r43,389	r43,645	r44,889	r44,938	r45,054	r45,968	r46,119	r45,633	r46,143	r45,176	r44,832	49,203	.....
614	Imports of petroleum and petroleum products, mil.$	50,222	3,615	4,334	4,181	4,833	5,078	4,280	4,430	4,362	3,923	4,204	4,059	4,146	4,675	.....
616	Imports of automobiles and parts, mil.$	72,820	6,131	6,025	6,030	5,889	5,726	6,012	6,500	5,848	6,163	6,441	6,147	6,833	7,265	.....
618 ♦	Merchandise exports, adjusted, excluding military, mil.$ [1] §	440,138	.....	.....	r108,306	.....	.....	r109,493	.....	.....	r113,992	.....	.....	p111,627	.....	.....
620 ♦	Merchandise imports, adjusted, excluding military, mil.$ [1] §	536,276	.....	.....	r133,107	.....	.....	r137,105	.....	.....	r139,954	.....	.....	p140,695	.....	.....
622	Balance on merchandise trade, mil.$ [1] §	−96,138	.....	.....	r−24,801	.....	.....	r−27,612	.....	.....	r−25,962	.....	.....	p−29,068	.....	.....
	15. INTERNATIONAL COMPARISONS															
	Industrial production indexes (1987=100):															
47 ♦	United States §	106.6	r105.6	r106.3	r106.7	r106.0	r106.8	r106.6	r106.2	r107.5	r108.4	r108.9	r109.3	r109.9	r109.9	p110.0
721 ♦	OECD, European countries [2]	109	111	110	110	110	110	109	109	109	107	105	105	p107	.....	.....
728 ♦	Japan	117.4	117.7	117.6	115.6	118.1	119.0	114.4	119.7	116.6	114.3	113.1	113.0	p114.6	.....	.....
725 ♦	Federal Republic of Germany	115	118	118	117	116	116	115	115	113	110	107	107	106	p105	.....
726 ♦	France	110	110	112	110	110	110	110	110	111	106	105	105	p108	.....	.....
722 ♦	United Kingdom	100	99	100	99	99	100	100	100	r101	101	101	100	p102	.....	.....
727 ♦	Italy	107.5	111.9	105.6	110.4	108.3	108.9	103.7	104.3	106.5	107.3	100.7	106.2	p106.8	.....	.....
723 ♦	Canada	97.2	r96.4	96.8	96.4	96.5	95.9	97.9	98.0	98.3	r98.9	r99.3	r99.5	p100.2	.....	.....
	Consumer price indexes (1982-84=100):															
320	United States, NSA	140.3	139.3	139.5	139.7	140.2	140.5	140.9	141.3	141.8	142.0	141.9	142.6	143.1	143.6	144.0
♦	Percent change over 6-month span, AR	3.1	3.1	3.1	3.0	2.6	2.9	3.0	2.9	3.3	3.6	3.6	3.6	.....	.....	.....
738	Japan, NSA	117.0	116.3	117.5	117.6	117.5	116.6	116.9	117.5	117.6	117.4	117.4	117.3	117.4	117.7	.....
♦	Percent change over 6-month span, AR	1.2	1.9	1.7	1.9	1.2	−.2	.7	.7	1.0	1.0	1.4	.....	.....	.....	.....
735	Federal Republic of Germany, NSA	120.7	119.7	120.0	120.5	120.7	120.7	120.9	121.2	121.7	122.3	122.4	123.8	124.3	124.7	.....
♦	Percent change over 6-month span, AR	4.0	3.9	4.1	3.6	3.0	3.5	4.0	3.9	5.0	5.0	5.3	.....	.....	.....	.....
736	France, NSA	141.0	140.2	140.5	140.9	141.0	141.4	141.5	141.5	141.9	141.9	141.8	142.3	142.8	143.5	143.6
♦	Percent change over 6-month span, AR	2.1	2.6	2.6	2.0	1.6	1.7	1.3	1.3	1.6	2.0	3.1	2.7	.....	.....	.....
732	United Kingdom, NSA	162.7	160.6	163.1	163.7	163.7	163.1	163.2	163.8	164.4	164.1	163.6	162.0	163.1	163.7	165.2
♦	Percent change over 6-month span, AR	2.5	3.7	3.4	2.9	2.7	2.5	1.7	1.7	0	1.1	1.1	.1	.....	.....	.....
737	Italy, NSA	178.8	176.6	177.3	178.3	178.9	179.1	179.2	179.8	180.9	182.0	182.3	182.9	183.6	184.0	184.7
♦	Percent change over 6-month span, AR	4.7	5.7	5.0	5.4	5.1	4.6	4.0	4.1	3.8	3.6	3.5	3.8	.....	.....	.....
733	Canada, NSA	145.2	144.6	144.6	144.9	145.2	145.6	145.6	145.5	145.7	146.4	146.4	147.0	147.4	147.3	147.3
♦	Percent change over 6-month span, AR	2.0	1.1	1.5	2.4	2.1	1.5	2.9	3.2	2.5	2.2	1.5	2.2	.....	.....	.....
	Stock price indexes (1967=100, NSA):															
19 ♦	United States*	452.2	443.1	443.2	451.2	444.1	451.5	454.6	455.2	448.7	460.0	473.9	473.4	480.5	489.7	482.0
748 ♦	Japan*	1,235.4	1,333.0	1,176.0	1,242.8	1,176.0	1,132.7	1,093.9	1,242.8	1,177.8	1,151.6	1,197.7	1,157.0	1,171.5	1,233.8	p1,369.1
745 ♦	Federal Republic of Germany*	306.7	331.6	334.9	337.7	335.8	316.2	292.2	285.2	266.3	269.8	269.1	277.9	291.9	p299.2	p294.4
746 ♦	France*	900.6	920.4	951.3	969.4	938.8	895.3	858.0	900.4	845.5	861.7	866.9	868.7	907.8	p950.7	p938.8
742 ♦	United Kingdom*	1,192.1	1,178.2	1,207.1	1,284.2	1,178.8	1,147.5	1,094.5	1,131.8	1,187.2	1,240.2	1,281.8	1,302.2	1,324.5	r1,351.0	p1,327.4
747 ♦	Italy*	288.6	312.1	311.0	302.2	298.0	267.0	260.1	240.1	260.5	287.9	276.3	r308.7	r333.1	p337.0	p343.1
743 ♦	Canada*	384.5	385.6	379.2	382.8	382.8	389.1	384.5	372.6	377.0	370.8	378.6	373.5	390.0	407.1	428.2
	Exchange rates:															
750 ♦	Exchange value of U.S. dollar, index: March 1973=100, NSA [3]*.	86.61	90.44	89.84	88.30	85.91	82.57	80.97	81.98	85.03	90.04	90.50	92.36	93.82	93.65	90.62
	Foreign currency per U.S. dollar (NSA):															
758 ♦	Japan (yen)*	126.78	132.86	133.54	130.77	126.84	125.88	126.23	122.60	121.17	123.88	124.04	124.99	120.76	117.02	112.41
755 ♦	Federal Republic of Germany (d. mark)*	1.5618	1.6616	1.6493	1.6225	1.5726	1.4914	1.4475	1.4514	1.4851	1.5875	1.5822	1.6144	1.6414	1.6466	1.5964
756 ♦	France (franc)*	5.2935	5.6400	5.5773	5.4548	5.2940	5.0321	4.9119	4.9378	5.0370	5.3706	5.3974	5.4751	5.5594	5.5944	5.3984
752 ♦	United Kingdom (pound)*	.5699	.5801	.5693	.5526	.5391	.5215	.5146	.5416	.6050	.6550	.6447	.6525	.6947	.6841	.6474
757 ♦	Italy (lira)*	1,232.17	1,248.28	1,241.55	1,220.95	1,189.52	1,129.83	1,100.00	1,176.21	1,309.64	1,364.45	1,412.38	1,491.07	1,550.43	1,591.35	1,536.14
753 ♦	Canada (dollar)*	1.2085	1.1928	1.1874	1.1991	1.1960	1.1924	1.1907	1.2225	1.2453	1.2674	1.2725	1.2779	1.2602	1.2471	1.2621
	16. ALTERNATIVE COMPOSITE INDEXES															
990 ♦	CIBCR long-leading composite index, 1967=100 [4]	247.7	r244.1	r244.4	r246.3	r246.6	r248.9	r249.9	r250.4	r251.3	r253.7	r252.6	r253.1	r253.6	r254.8	p255.1
991 ♦	CIBCR short-leading composite index, 1967=100 [4]	216.0	213.6	214.0	215.0	216.4	217.1	216.2	217.8	216.7	219.3	223.1	223.2	225.2	224.7	p225.0
	BEA coincident composite indexes:															
992 ♦	Modified methodology, 1982=100 [5]	125.5	124.9	125.0	125.2	125.2	125.6	125.5	125.6	126.1	126.4	127.2	127.3	r127.5	127.8	p127.7
993 ♦	Stock and Watson methodology, Aug. 1982=100 [5]	131.2	130.1	130.7	131.3	131.2	132.0	131.2	131.1	131.8	r132.6	r133.6	r133.9	r134.5	r134.6	p134.7

See footnotes on page C-6.

FOOTNOTES FOR PAGES C-1 THROUGH C-5

a	Anticipated.	NSA	Not seasonally adjusted.
AR	Annual rate.	p	Preliminary.
c	Corrected.	r	Revised.
©	Copyrighted.	♦	Graph included for this series.
e	Estimated.	§	Major revision–see notes.
*	Later data listed in notes.	◇	End of period.

L,C,Lg,U Cyclical indicator series are classified as L (leading), C (coincident), Lg (lagging), or U (unclassified) at reference cycle peaks, troughs, and overall. Series classifications are shown in parentheses following the series titles.

‡ Cyclical indicator series denoted by ‡ are inverted (i.e., the sign is reversed) for cyclical analysis calculations, including classifications, contributions to composite indexes, and current high values.

† Cyclical indicator series denoted by † are smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

For information on composite indexes and other concepts used in this section, see "Composite Indexes of Leading, Coincident, and Lagging Indicators" in the November 1987 SURVEY OF CURRENT BUSINESS and "Business Cycle Indicators: Revised Composite Indexes" in the January 1989 SURVEY.

References to series in this section use the prefix "BCI-" followed by the series number. Unless otherwise noted, series are seasonally adjusted.

Percent change data are centered within the spans: 1-month changes are placed in the ending month, 3-month changes are placed in the 3d month, 6-month changes are placed in the 4th month, 1-quarter changes are placed in the ending quarter, and 4-quarter changes are placed in the 3d quarter.

Diffusion indexes are defined as the percent of components rising plus one-half of the percent of components unchanged. Diffusion index data are centered within the spans: 1-month indexes are placed in the ending month and 6-month indexes are placed in the 4th month.

High values reached by cyclical indicators since the last reference cycle trough (March 1991) are shown in boldface type; high values reached prior to the period shown in the table are listed at the bottom of each page. For inverted series, low values are indicated as highs.

Sources for series in this section are shown on pages C-27 and C-28 in the April 1993 SURVEY.

Page C-1

NOTE.—Major data revisions:

Index of new private housing units authorized by local building permits (BCI-29)—see note for page C-3.

Index of industrial production (BCI-47)—see note for page C-2.

Change in labor cost per unit of output (BCI-62)—see note for page C-4.

Ratio, consumer installment credit outstanding to personal income (BCI-95)—see note for page C-4.

* Preliminary May 1993 values: BCI-32 = 51.7, BCI-19 = 445.25, and BCI-109 = 6.00.

1. Data include initial claims made under the July 1992 Emergency Unemployment Compensation amendments. Data exclude Puerto Rico, which is included in figures published by the source agency.

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3. Excludes BCI-57, for which data are not available.

4. Excludes BCI-77 and BCI-95, for which data are not available.

Page C-2

NOTE.—Major data revisions:

The insured unemployment rate (BCI-45) has been revised from 1987 forward to incorporate corrections made by the source. For further information, contact the U.S. Department of Labor, Employment and Training Administration, Unemployment Insurance Services, Division of Actuarial Services, Washington, DC 20210.

Industrial production and capacity utilization indexes (BCI-47, -73, -74, -75, -76, -82, -124, and -557) have been revised from 1986 forward to reflect the conversion of all indexes to the 1987 Standard Industrial Classification and the incorporation of more comprehensive source data. For further information, contact the Board of Governors of the Federal Reserve System, Division of Research and Statistics, Industrial Output Section, Washington, DC 20551.

* Preliminary May 1993 value: BCI-32 = 51.7; anticipated 2d quarter 1993 values: BCI-61 = 578.15 and BCI-100 = 549.79.

1. Data include initial claims made under the July 1992 Emergency Unemployment Compensation amendments. Data exclude Puerto Rico, which is included in figures published by the source agency.

2. Data exclude Puerto Rico, which is included in figures published by the source agency.

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Page C-3

NOTE.—Major data revisions:

Index of industrial production, business equipment (BCI-76)—see note for page C-2.

Index of new private housing units authorized by local building permits (BCI-29) has been revised from 1991 forward to reflect annual updating of basic data and computation of new seasonal adjustment factors. For further information, contact the U.S. Department of Commerce, Bureau of the Census, Construction Statistics Division, Washington, DC 20233.

The fixed-weighted price index for gross domestic business product (BCI-311) has been revised from 1982 forward to incorporate corrections made by the source. For further information, contact the U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Wealth Division, Washington, DC 20230.

* Preliminary May 1993 value: BCI-23 = 257.9.

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Page C-4

NOTE.—Major data revisions:

Change in labor cost per unit of output (BCI-62) has been revised from 1986 forward to incorporate revisions in its industrial production component—see note for page C-2. For further information, contact the U.S. Department of Commerce, Bureau of Economic Analysis, Business Outlook Division, Washington, DC 20230.

Series based on consumer installment credit (BCI-66, -95, and -113) have been revised from 1989 forward to incorporate benchmarks for most holders of credit and recalculation of seasonal factors. For further information, contact the Board of Governors of the Federal Reserve System, Division of Research and Statistics, Mortgage and Consumer Finance Section, Washington, DC 20551 (BCI-66) and the U.S. Department of Commerce, Bureau of Economic Analysis, Business Outlook Division, Washington, DC 20230 (BCI-95 and BCI-113).

* Preliminary May 1993 values: BCI-122 = 61.5, BCI-123 = 72.2, and BCI-85 = 2.01.

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Page C-5

NOTE.—Major data revisions:

Series based on consumer installment credit (BCI-66 and BCI-95)—see note for page C-4.

Industrial production indexes (BCI-47 and BCI-557)—see note for page C-2.

Exports excluding military aid shipments (BCI-602) and general imports (BCI-612) have been revised from 1991 forward to reflect the updating of basic statistics and computation of new seasonal adjustment factors. For further information, contact the U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division, Washington, DC 20233.

U.S. international transactions series on merchandise trade (BCI-618, -620, and -622) have been revised from 1991 forward to reflect the inclusion of errata, retabulation of data to account for timing, revision of some balance of payments adjustments, and computation of new seasonal adjustment factors. For further information, contact the U.S. Department of Commerce, Bureau of Economic Analysis, Balance of Payments Division, Washington, DC 20230.

* Preliminary May 1993 values: BCI-119 = 2.96, BCI-114 = 2.92, BCI-116 = 7.57, BCI-115 = 6.65, BCI-117 = 5.72, BCI-109 = 6.00, BCI-19 (1941-43=10) = 445.25, BCI-19 (1967=100) = 484.3, BCI-748 = 1,412.4, BCI-745 = 287.7, BCI-746 = 899.0, BCI-742 = 1,324.0, BCI-747 = 363.3, BCI-743 = 446.3, BCI-750 = 90.21, BCI-758 = 110.89, BCI-755 = 1.6029, BCI-756 = 5.4043, BCI-752 = 0.6461, BCI-757 = 1,474.35, and BCI-753 = 1.2716.

1. Balance of payments basis: Excludes transfers under military grants and Department of Defense sales contracts (exports) and Department of Defense purchases (imports).

2. Organisation for Economic Co-operation and Development.

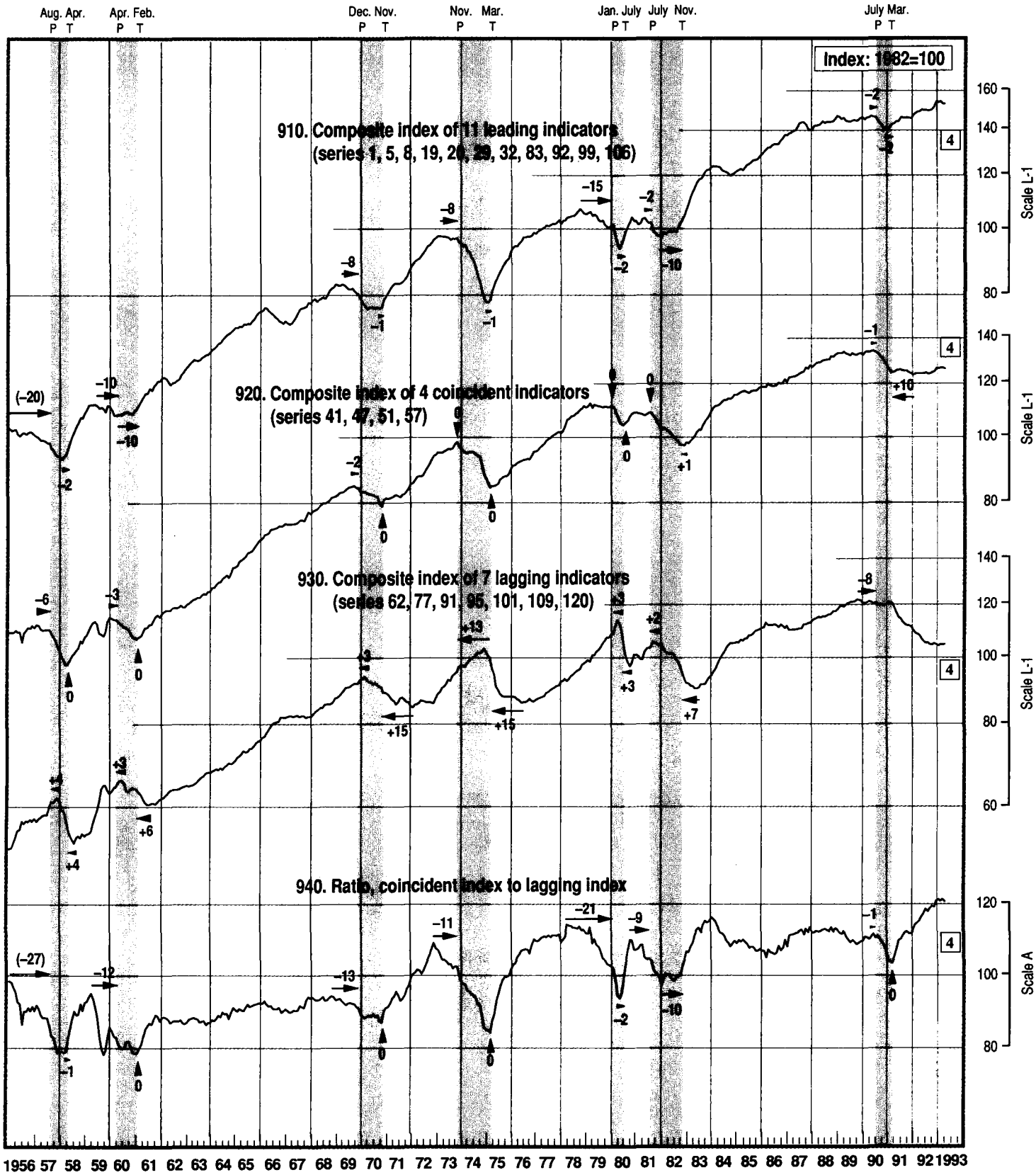
3. This index is the weighted-average exchange value of the U.S. dollar against the currencies of the other G-10 countries plus Switzerland. Each country is weighted by its 1972–76 global trade. For a description of this index, see the August 1978 *Federal Reserve Bulletin* (p. 700).

4. This index is compiled by the Center for International Business Cycle Research (CIBCR), Graduate School of Business, Columbia University, New York, NY 10027.

5. For an explanation of this index, see "The Composite Index of Coincident Indicators and Alternative Coincident Indexes" in the June 1992 SURVEY.

CYCLICAL INDICATORS

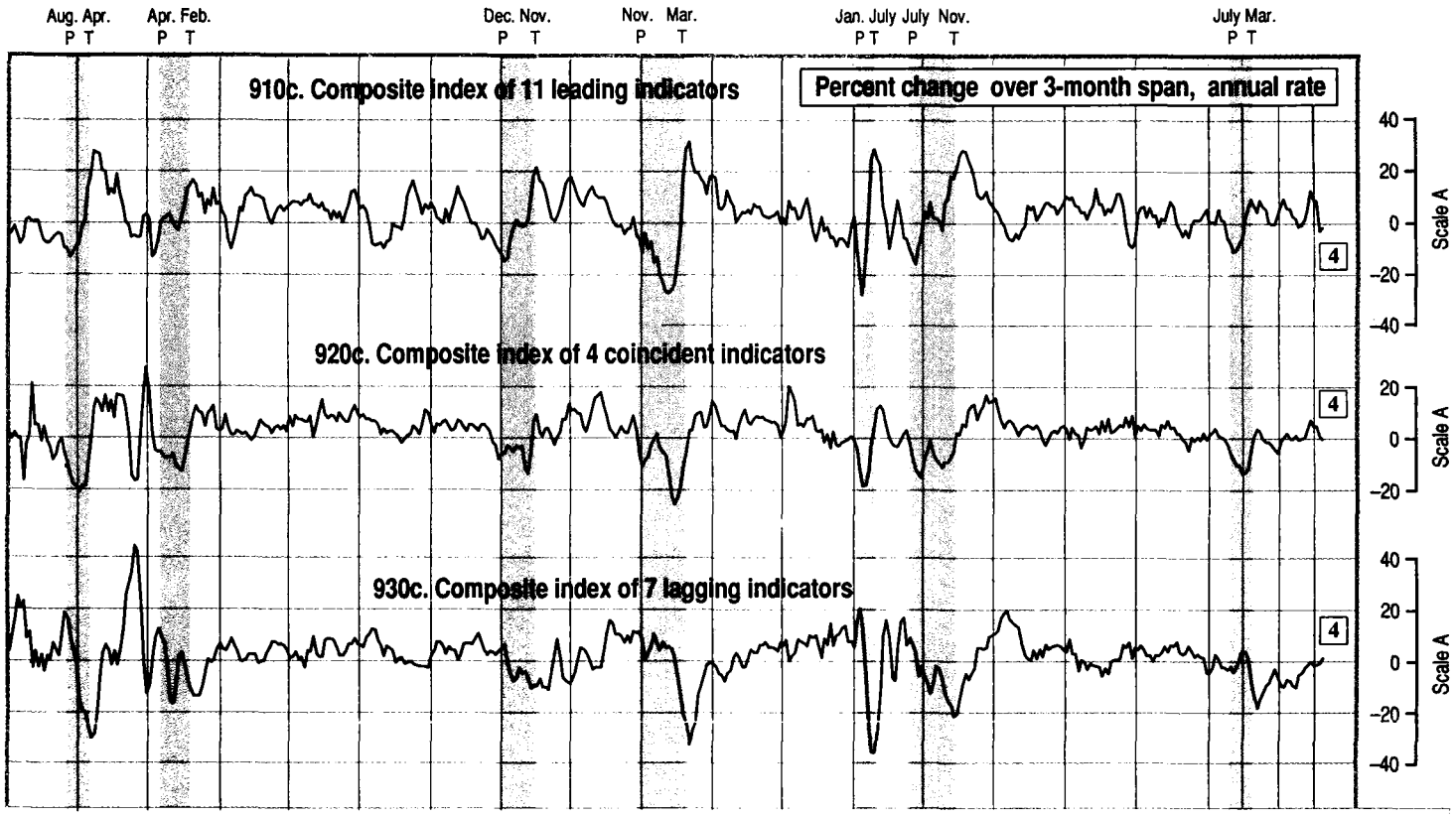
Composite Indexes



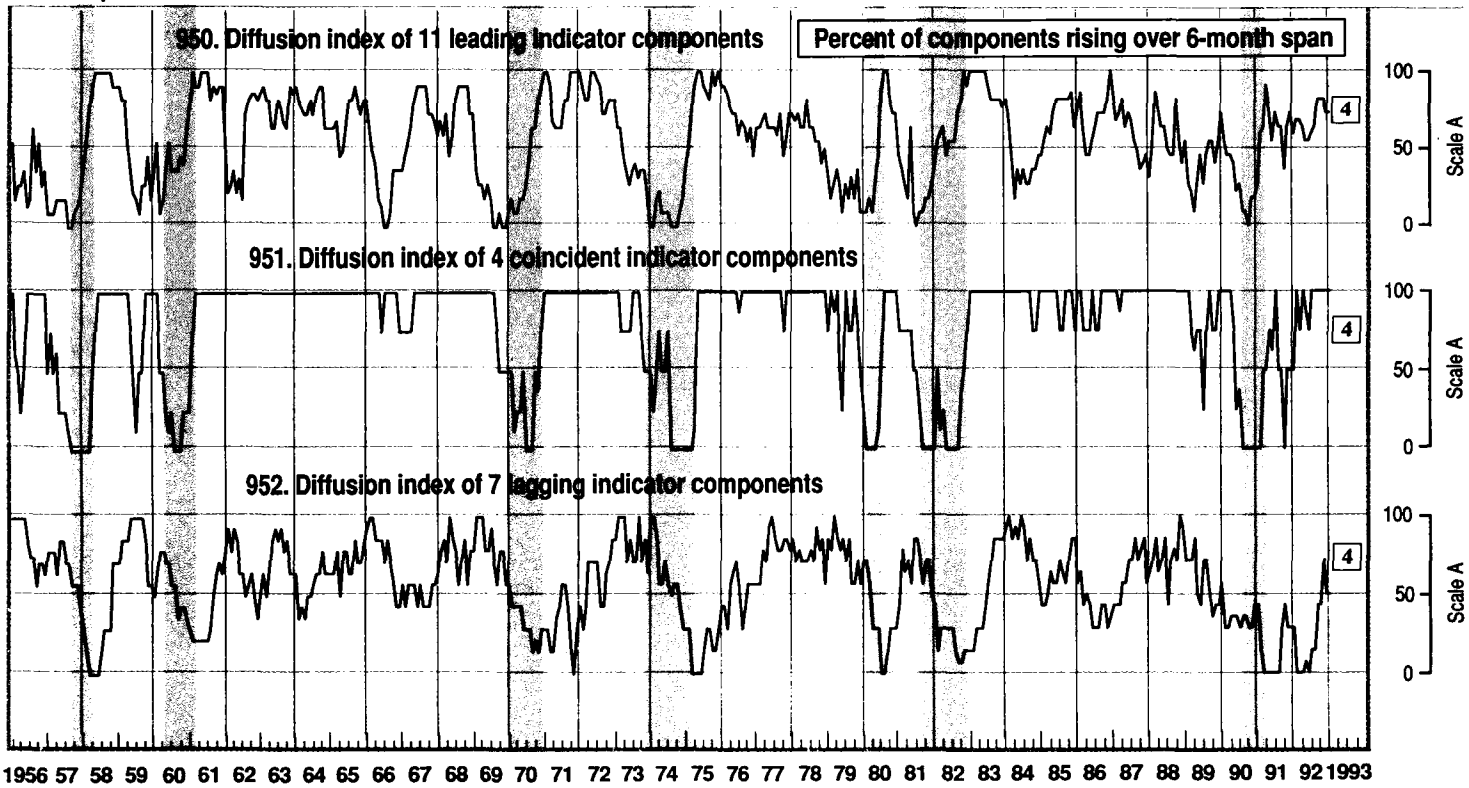
NOTE.—The numbers and arrows indicate length of leads (-) and lags (+) in months from business cycle turning dates. Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

Composite Indexes: Rates of Change



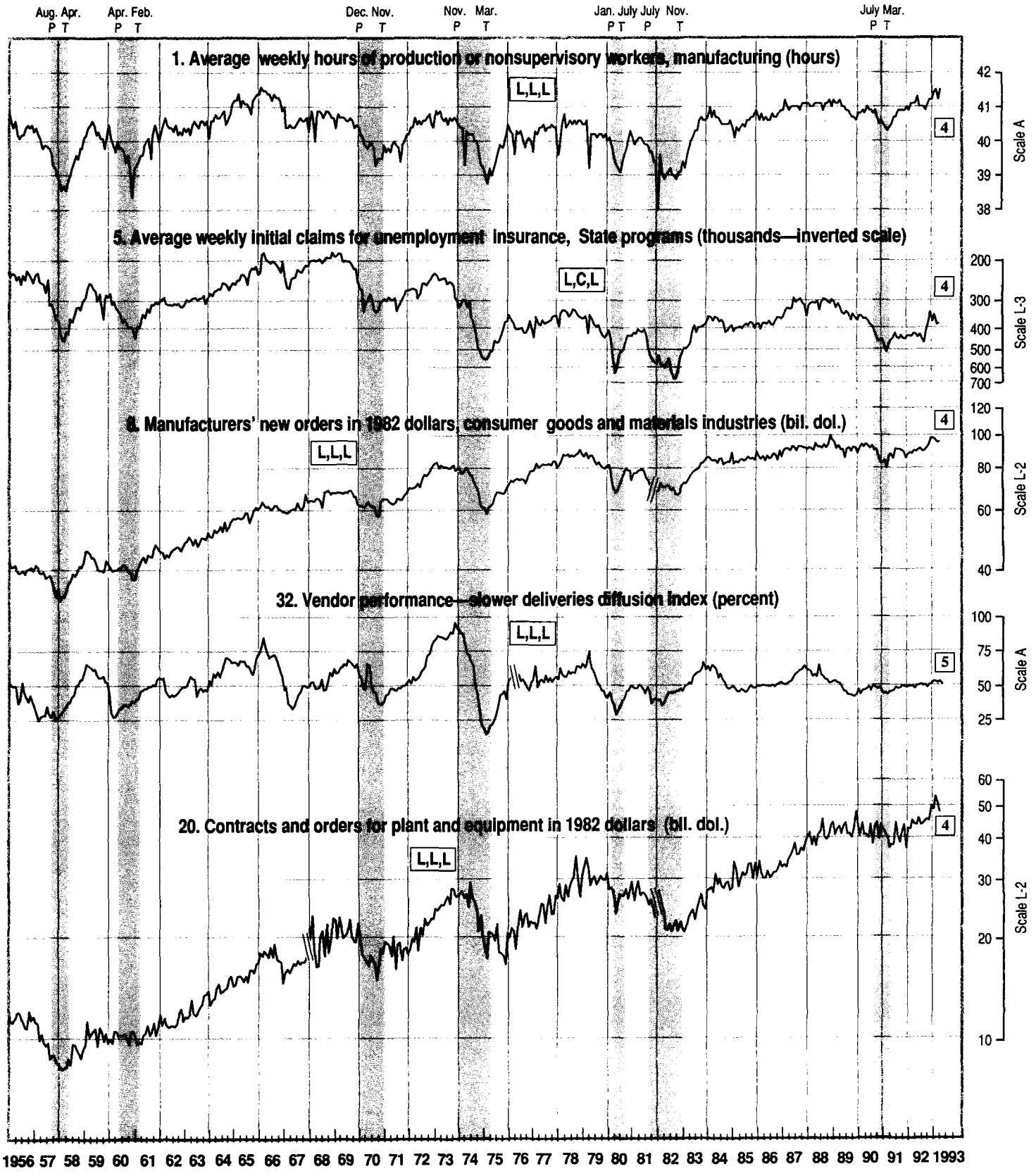
Composite Indexes: Diffusion



NOTE.—Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

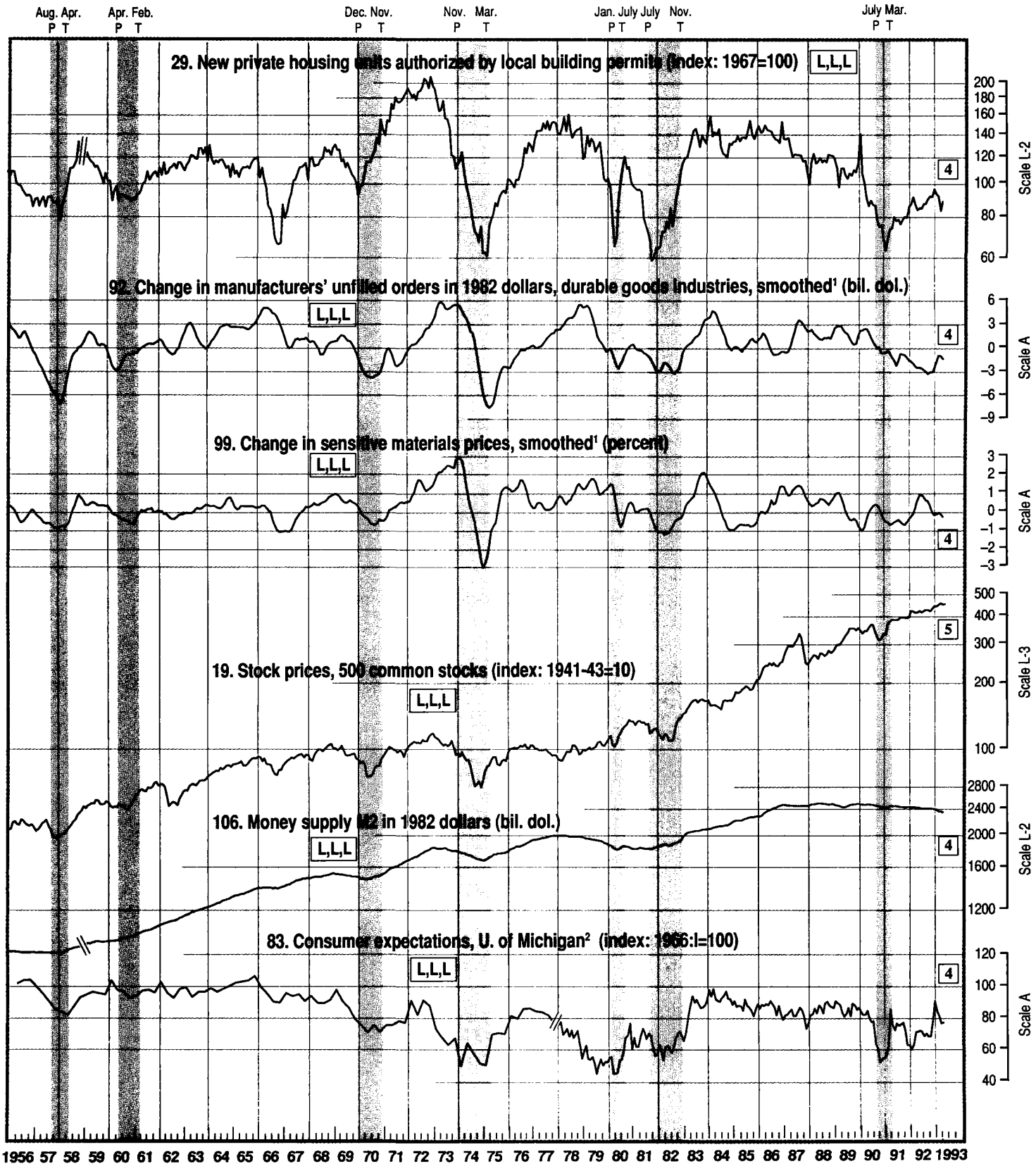
Composite Indexes: Leading Index Components



NOTE.—Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

Composite Indexes: Leading Index Components—Continued



1. This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.
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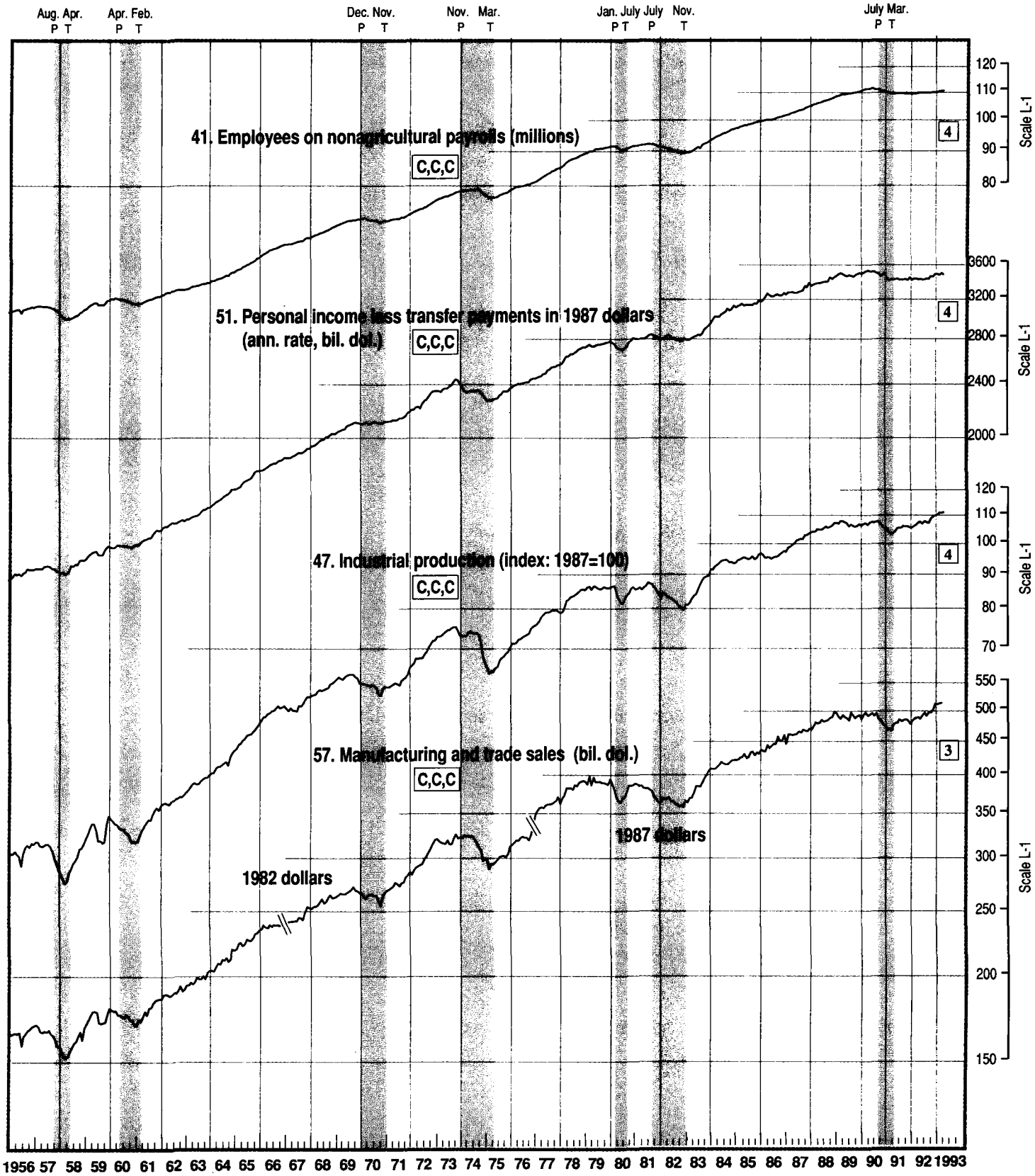
NOTE.—Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

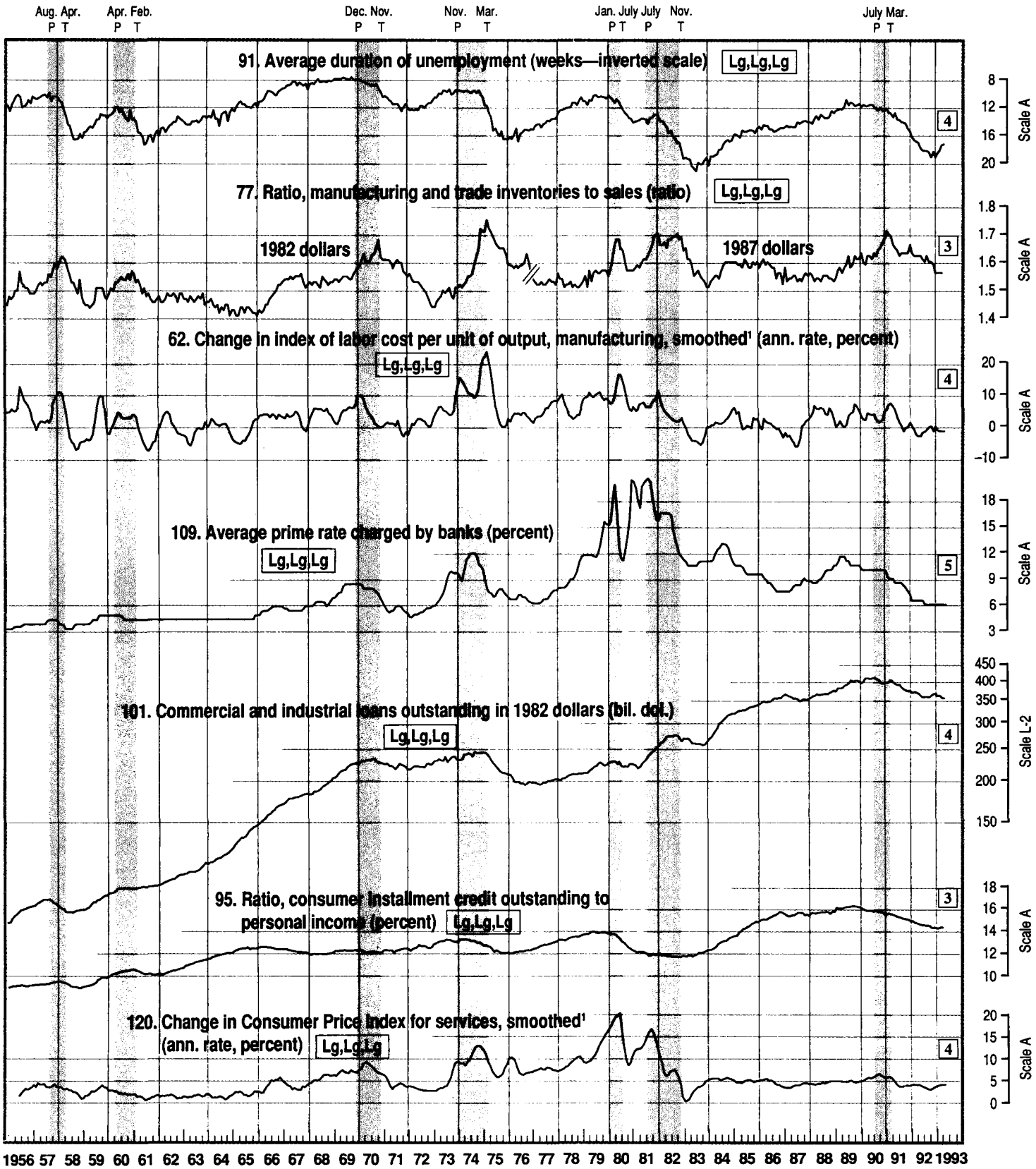
Composite Indexes: Coincident Index Components



NOTE.—Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

Composite Indexes: Lagging Index Components

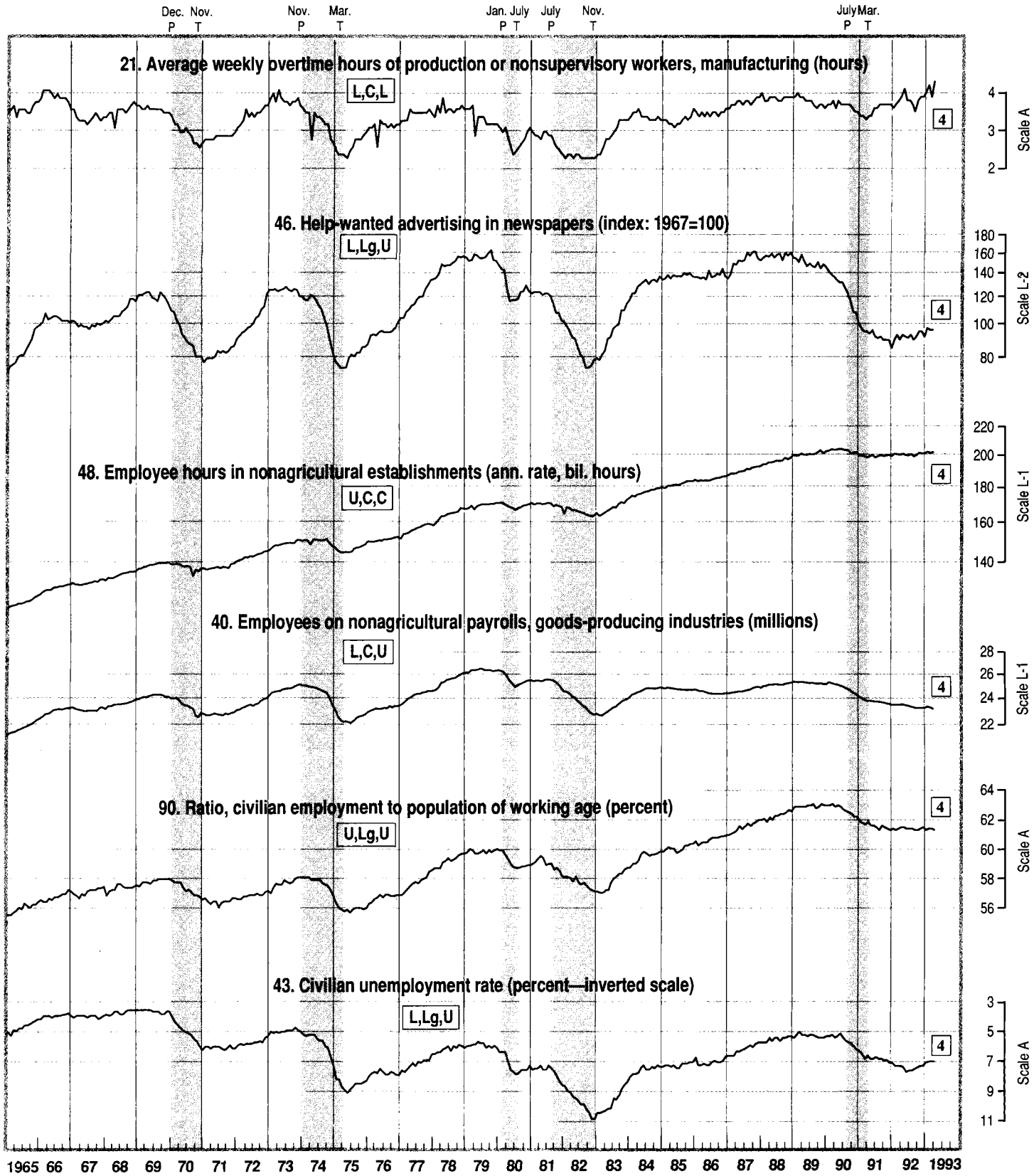


1. This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

NOTE.—Current data for these series are shown on page C-1.

CYCLICAL INDICATORS

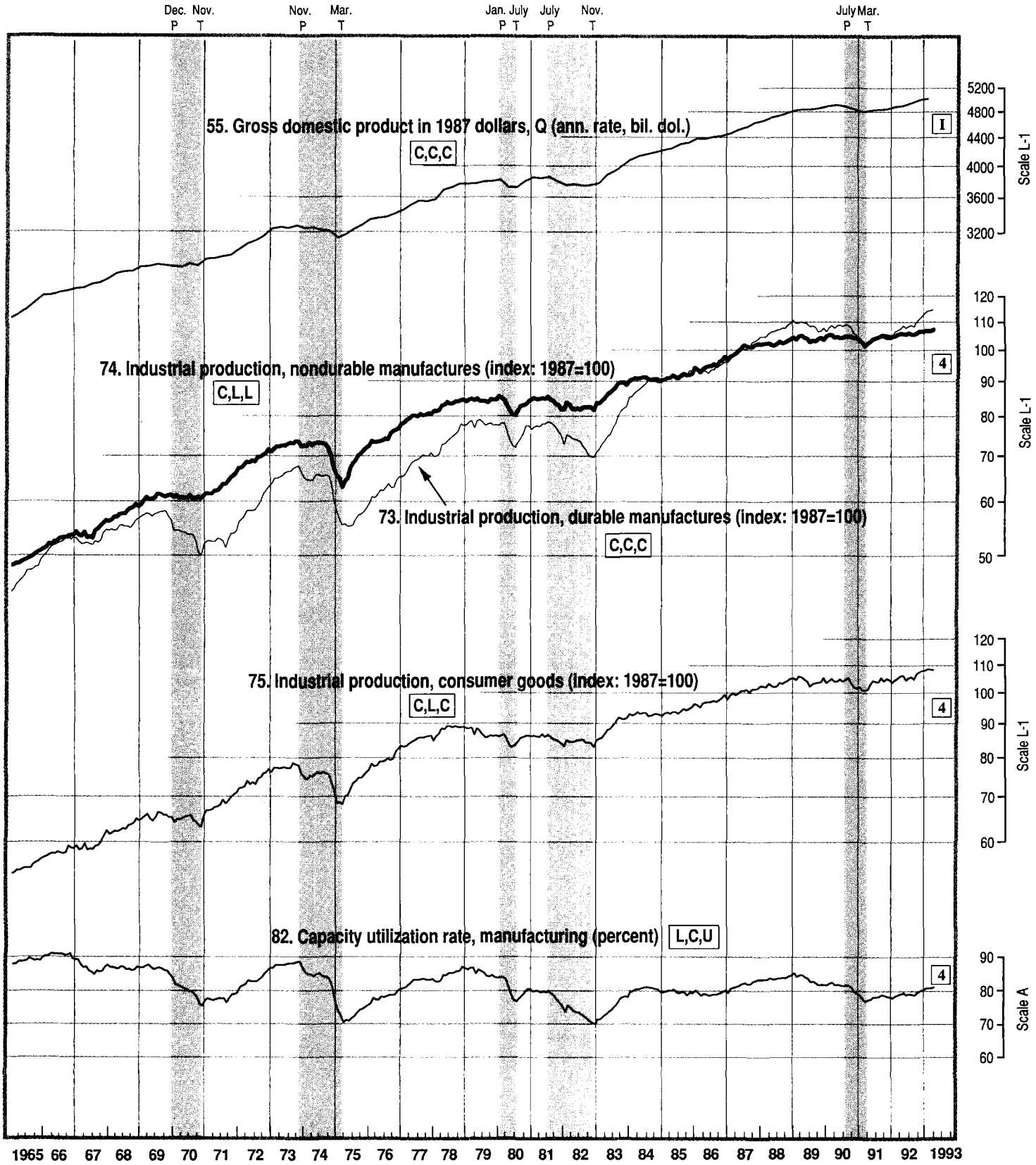
Employment and Unemployment



NOTE.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

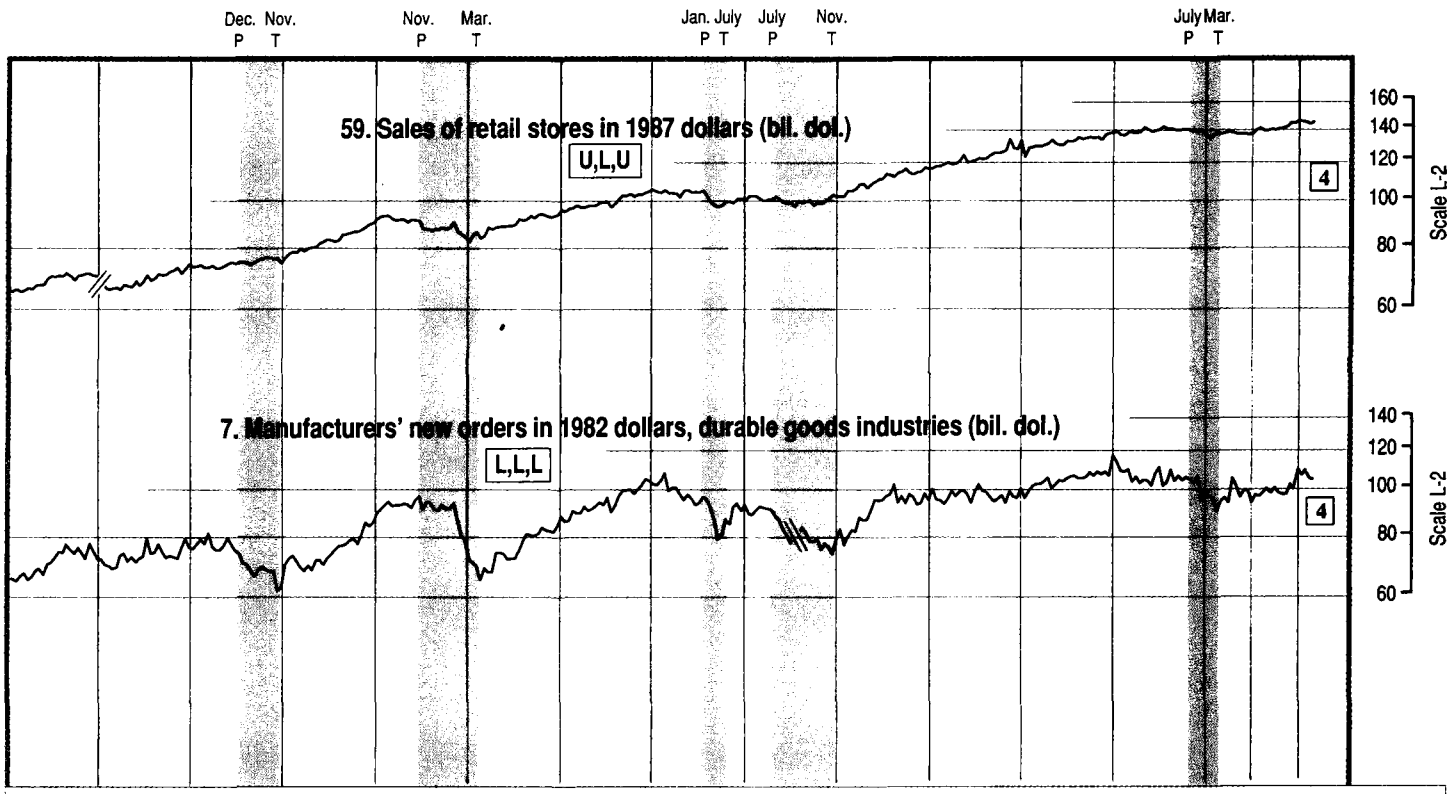
Output, Production, and Capacity Utilization



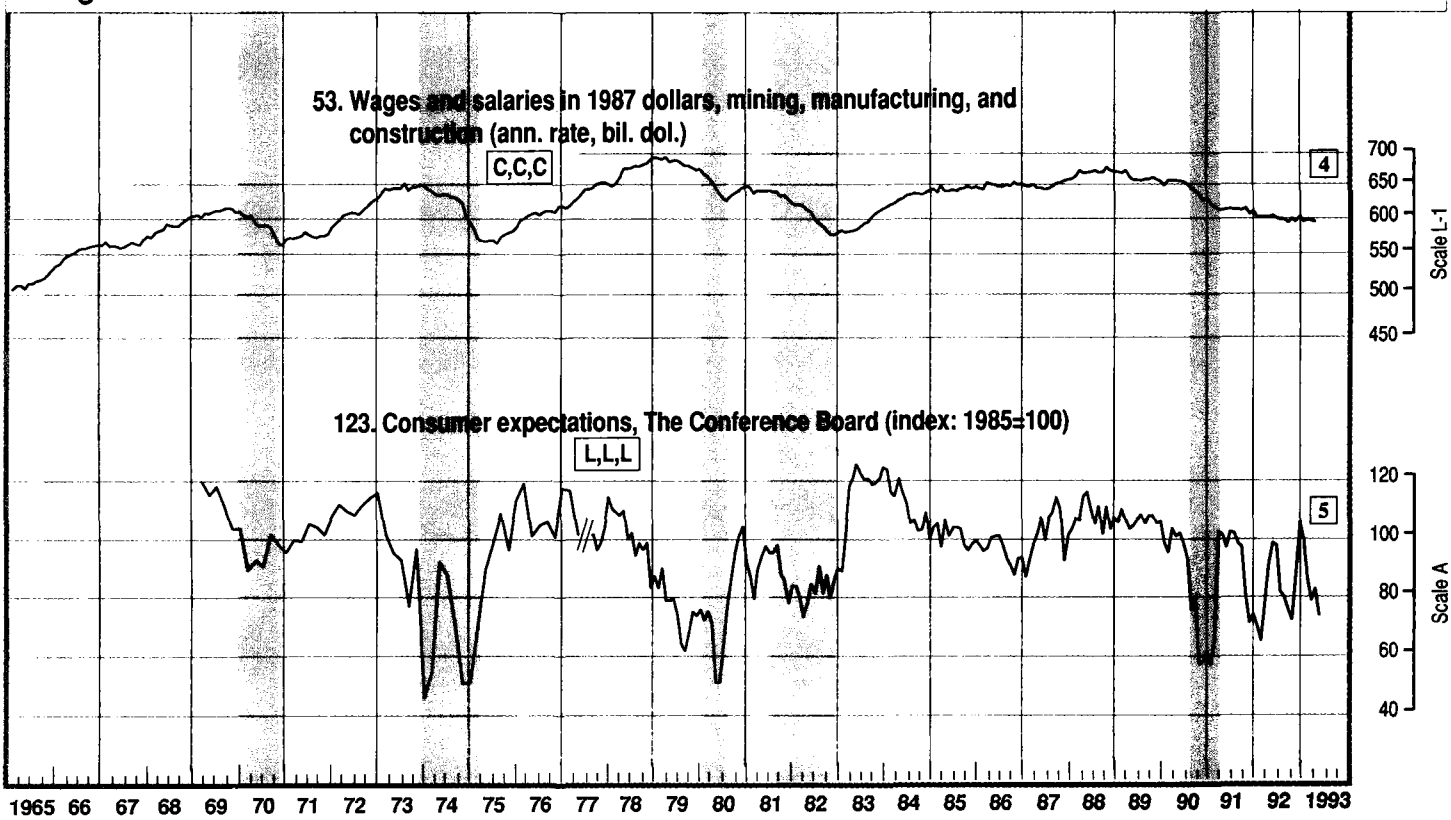
NOTE.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

Sales and Orders



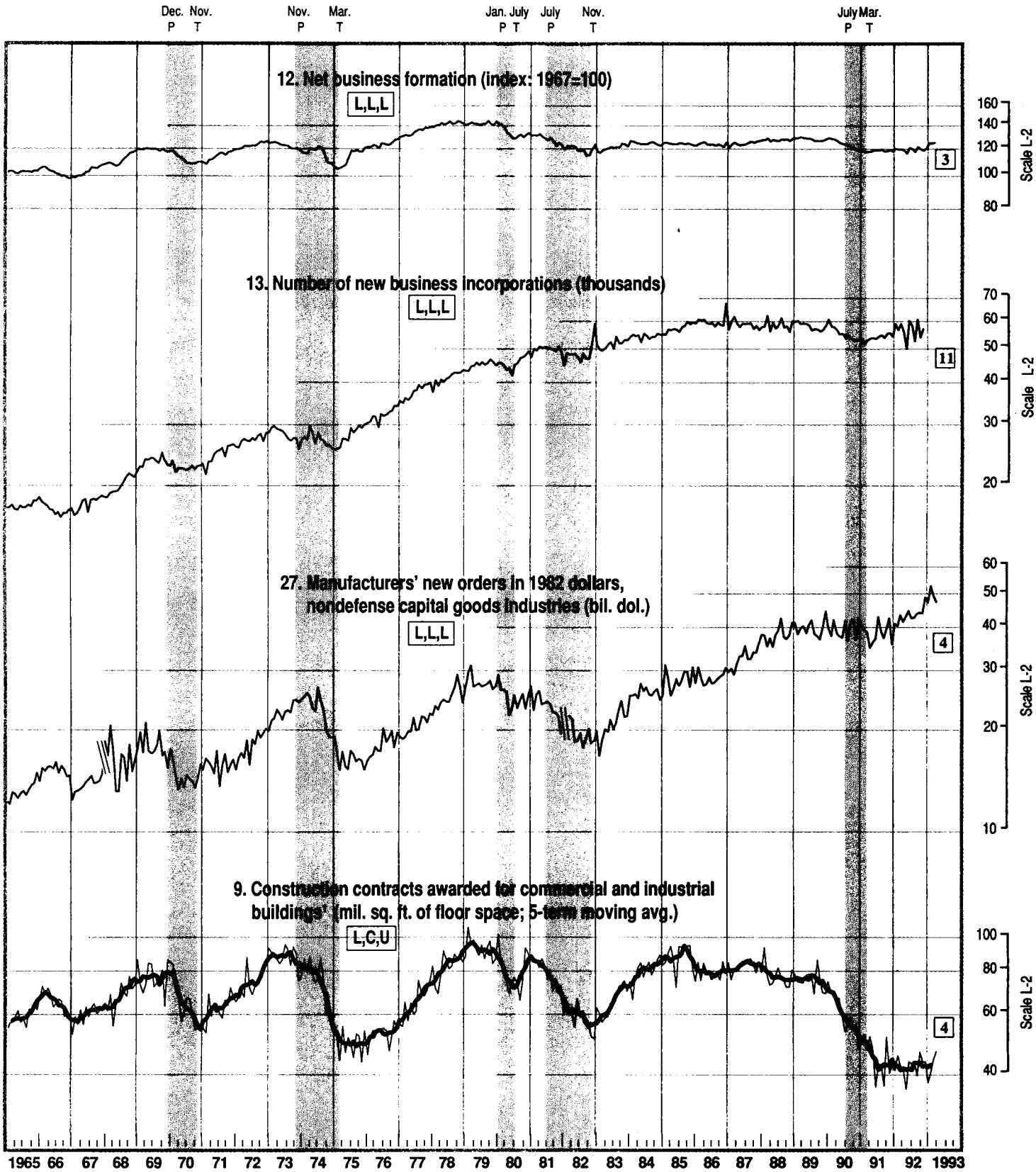
Wages and Consumer Attitudes



NOTE.—Current data for these series are shown on pages C-2 and C-4.

CYCLICAL INDICATORS

Fixed Capital Investment



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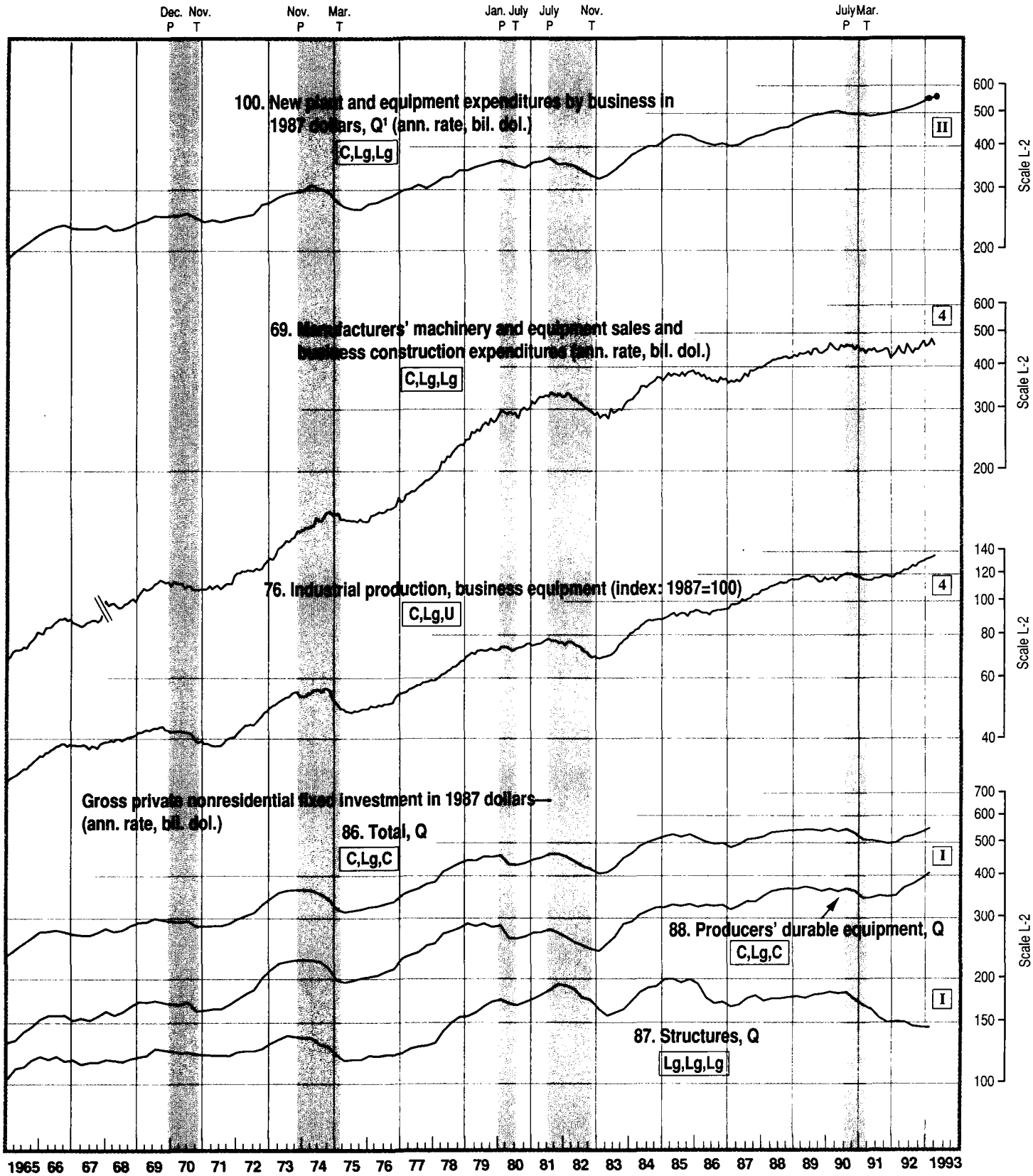
NOTE.—Current data for these series are shown on page C-2.

CYCLICAL INDICATORS

Fixed Capital Investment—Continued

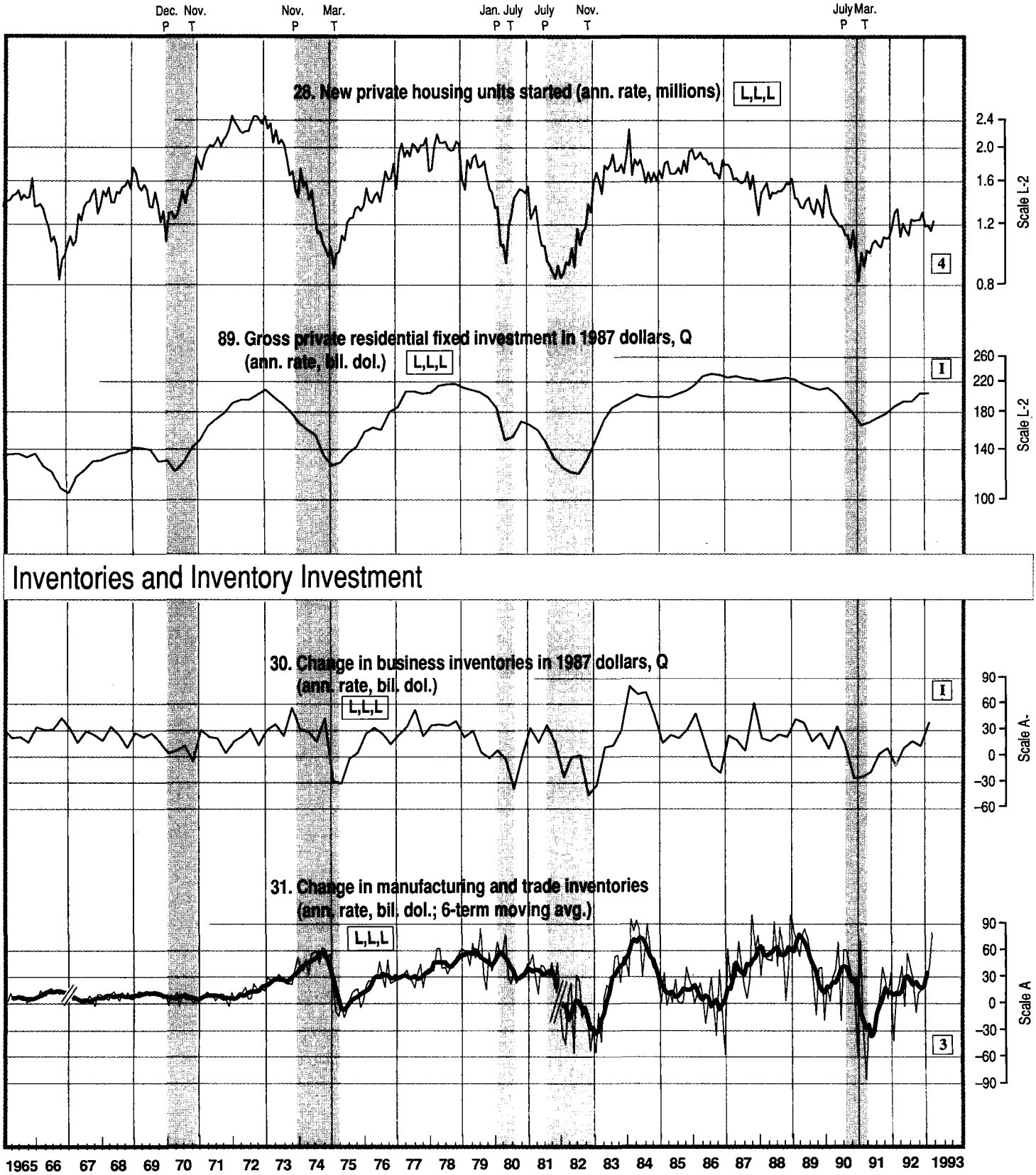


1. Dotted line represents anticipated expenditures.

NOTE.—Current data for these series are shown on pages C-2 and C-3.

CYCLICAL INDICATORS

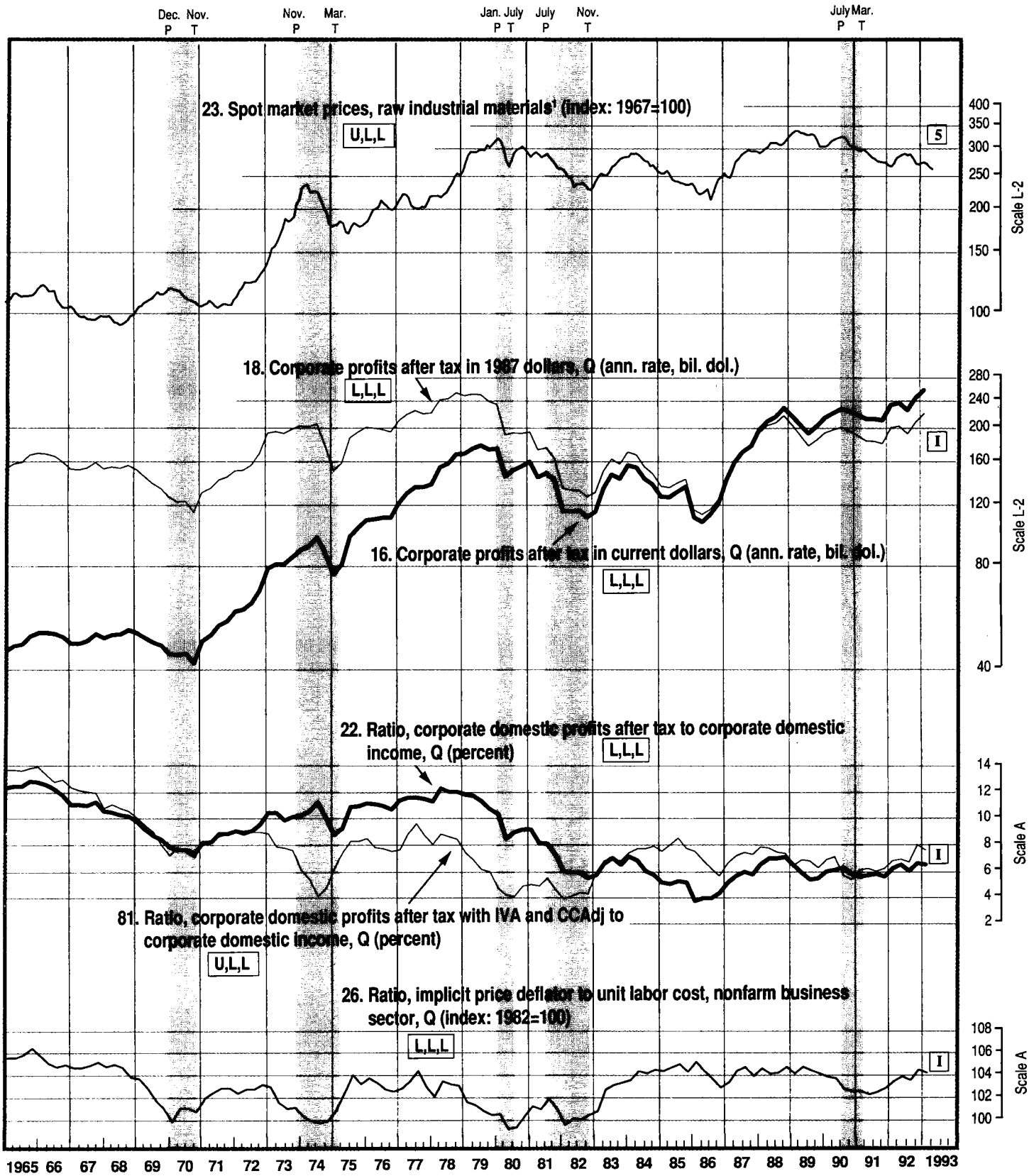
Fixed Capital Investment—Continued



NOTE.—Current data for these series are shown on page C-3.

CYCLICAL INDICATORS

Prices and Profits



IVA Inventory valuation adjustment. CCAdj Capital consumption adjustment.

NOTE.—Current data for these series are shown on pages C-3 and C-4.

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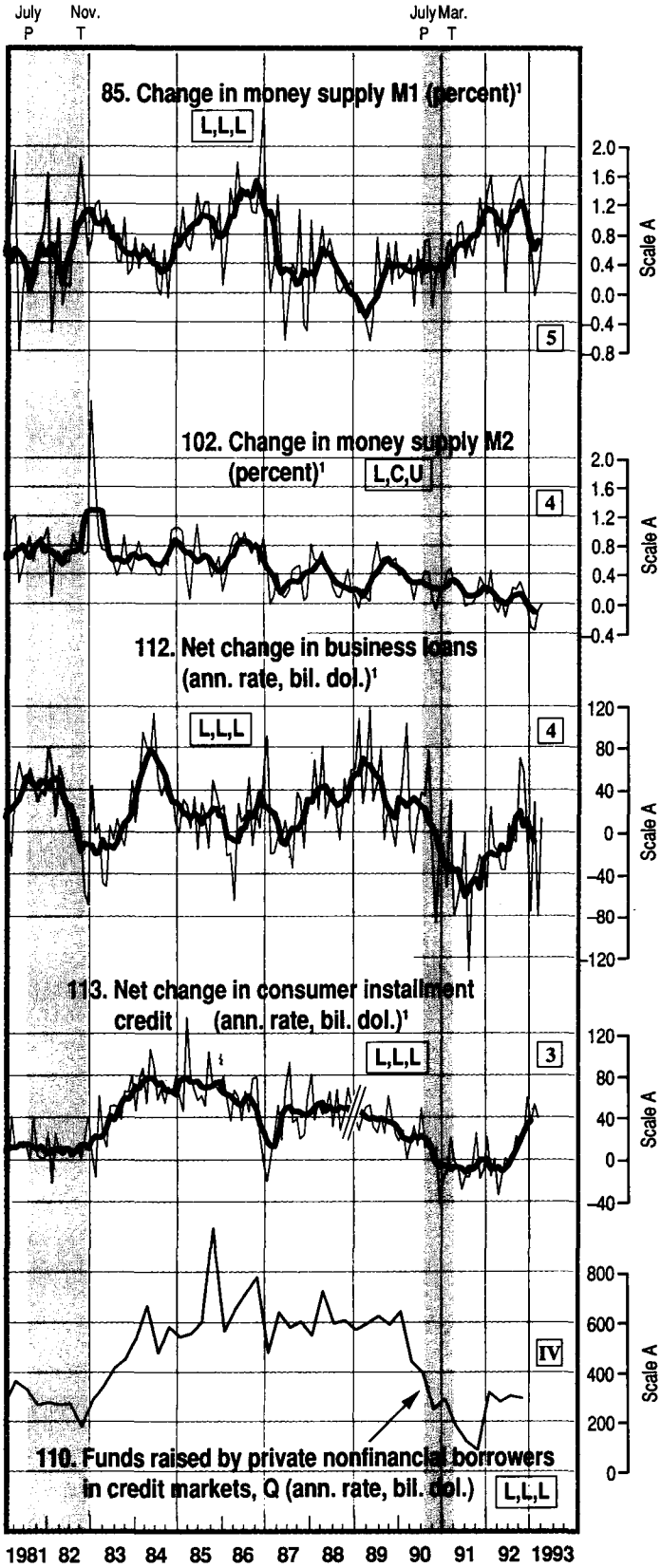
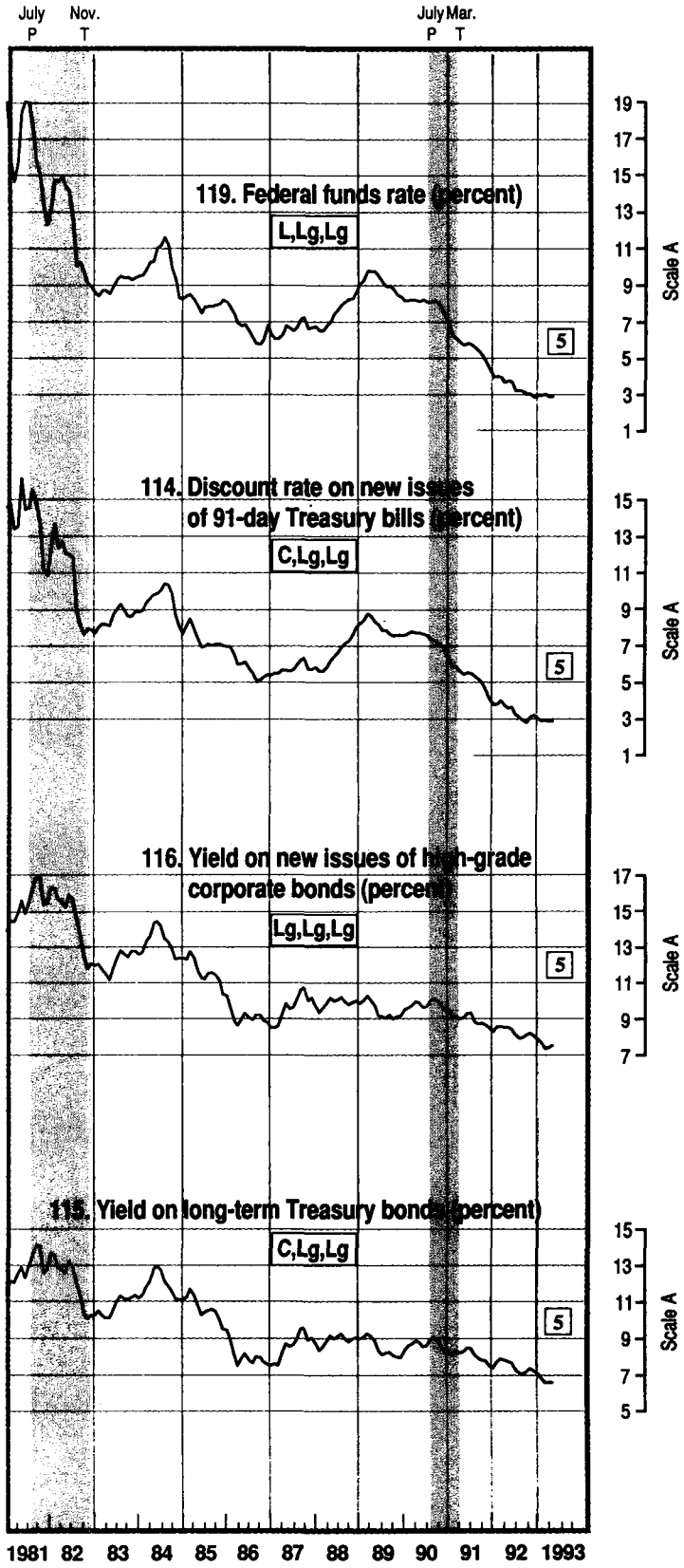
CYCLICAL INDICATORS

Money, Credit, and Interest Rates



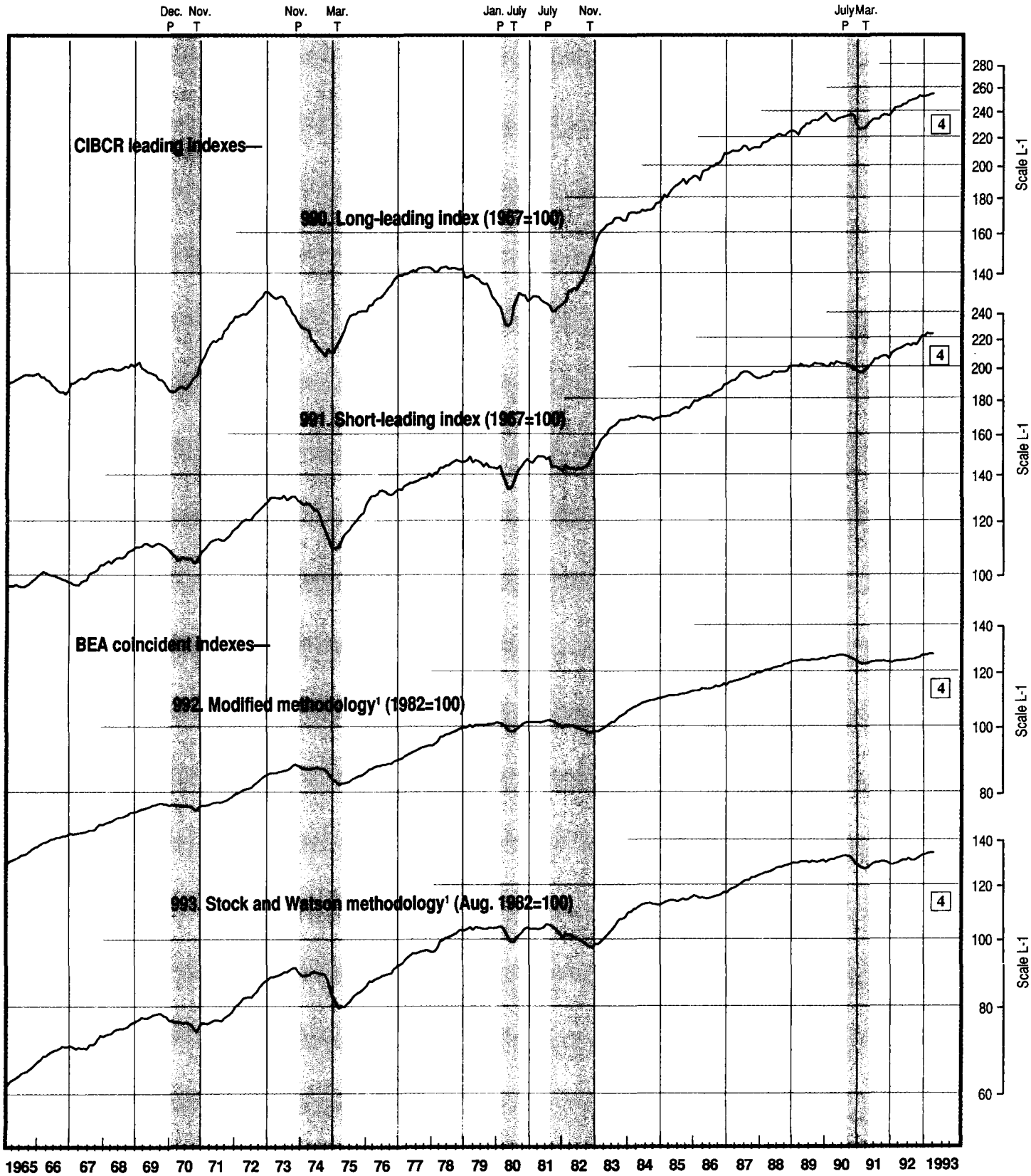


1. The heavy line is a centered 6-term moving average.

NOTE.—Current data for these series are shown on pages C-4 and C-5.

CYCLICAL INDICATORS

Alternative Composite Indexes



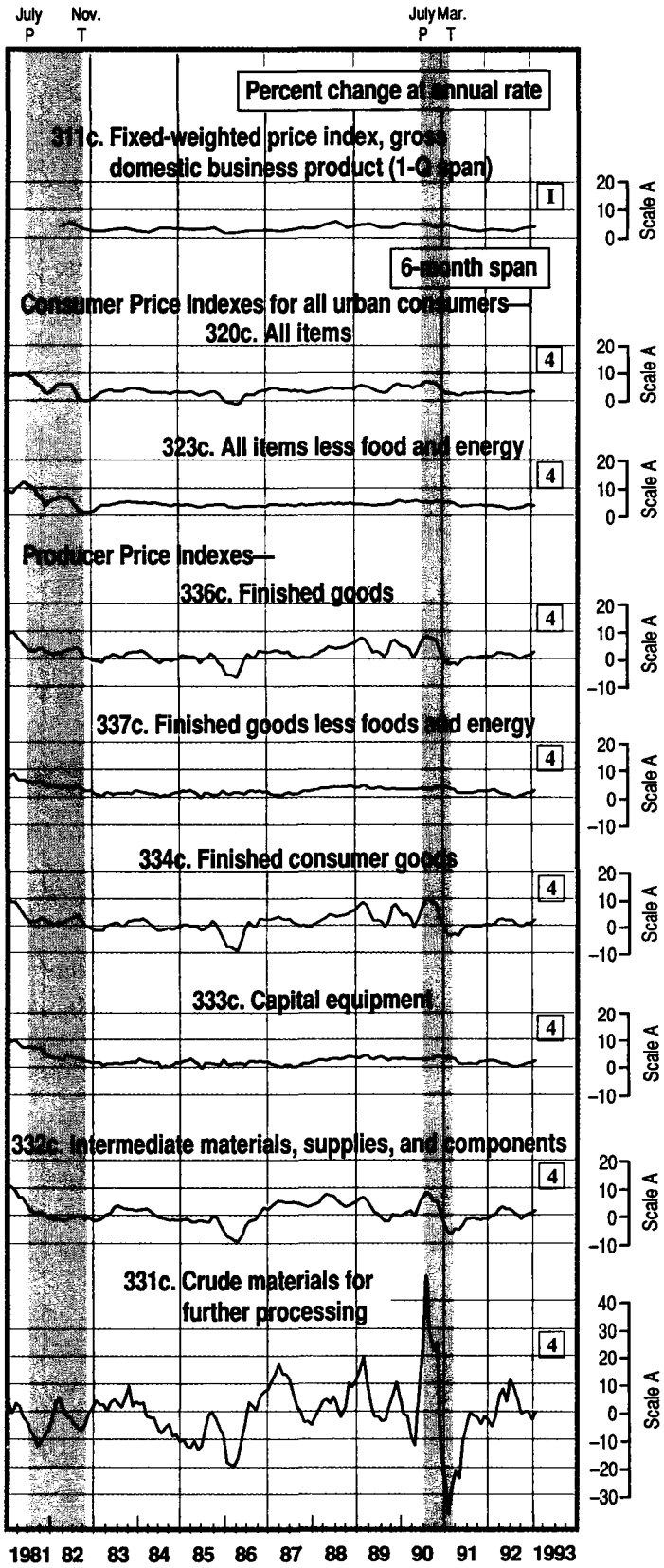
CIBCR Center for International Business Cycle Research (Columbia University).

1. See "The Composite Index of Coincident Indicators and Alternative Coincident Indexes," SURVEY OF CURRENT BUSINESS 72 (June 1992): 42-45.

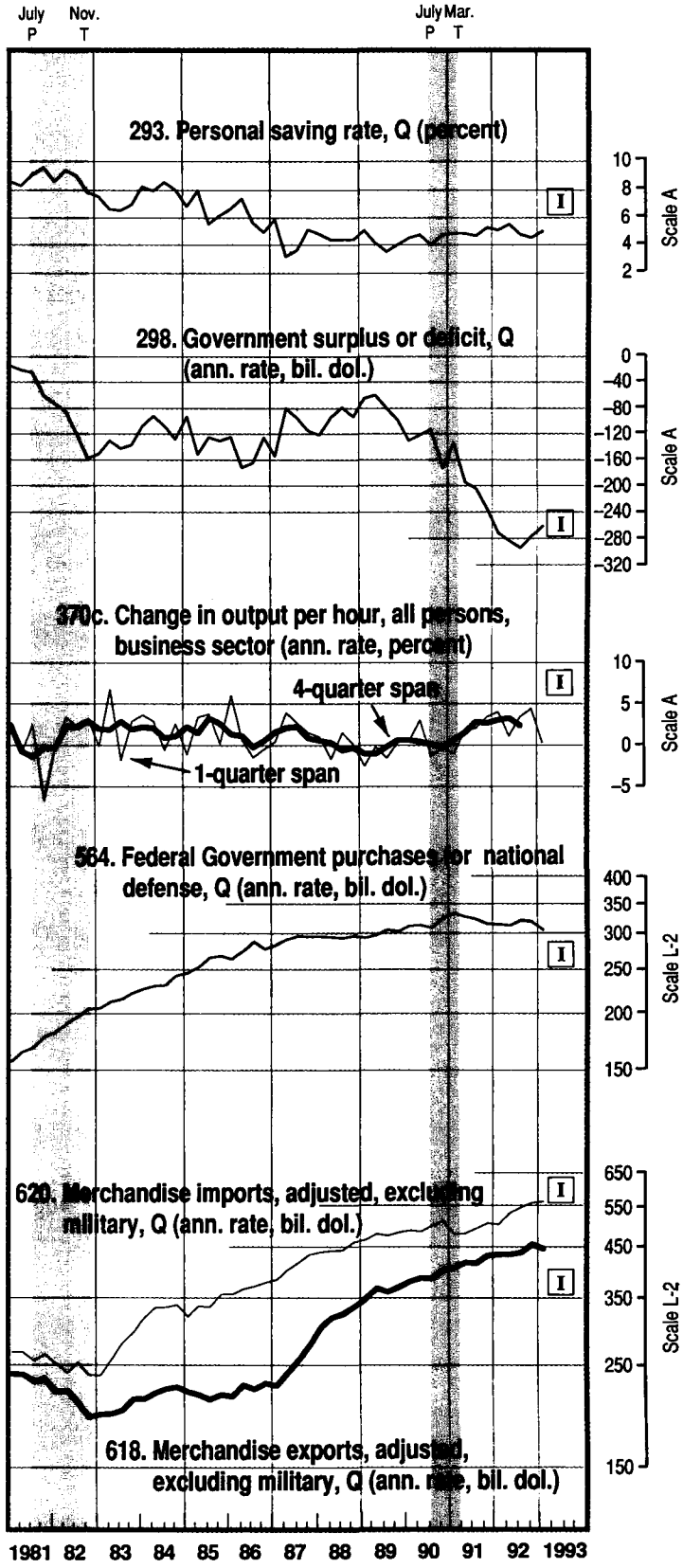
NOTE.—Current data for these series are shown on page C-5.

OTHER IMPORTANT ECONOMIC MEASURES

Prices



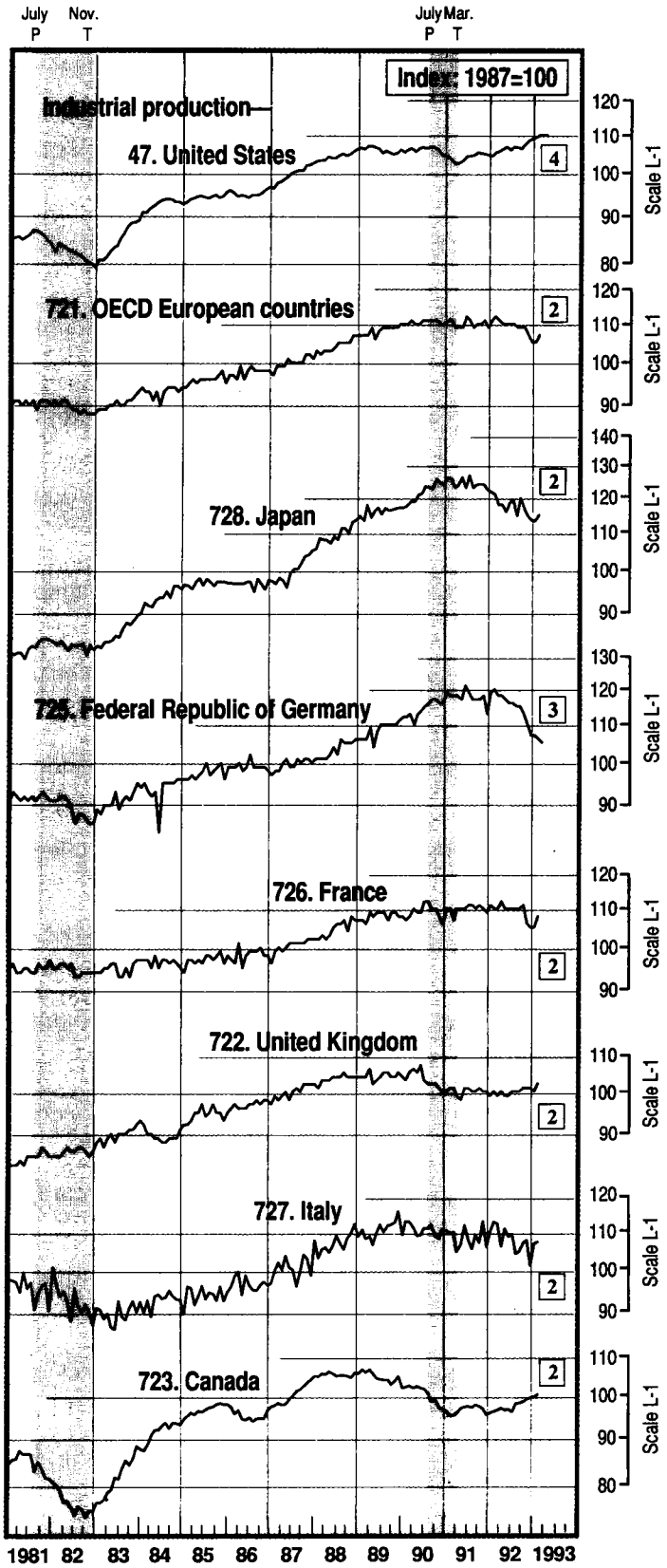
Other Measures



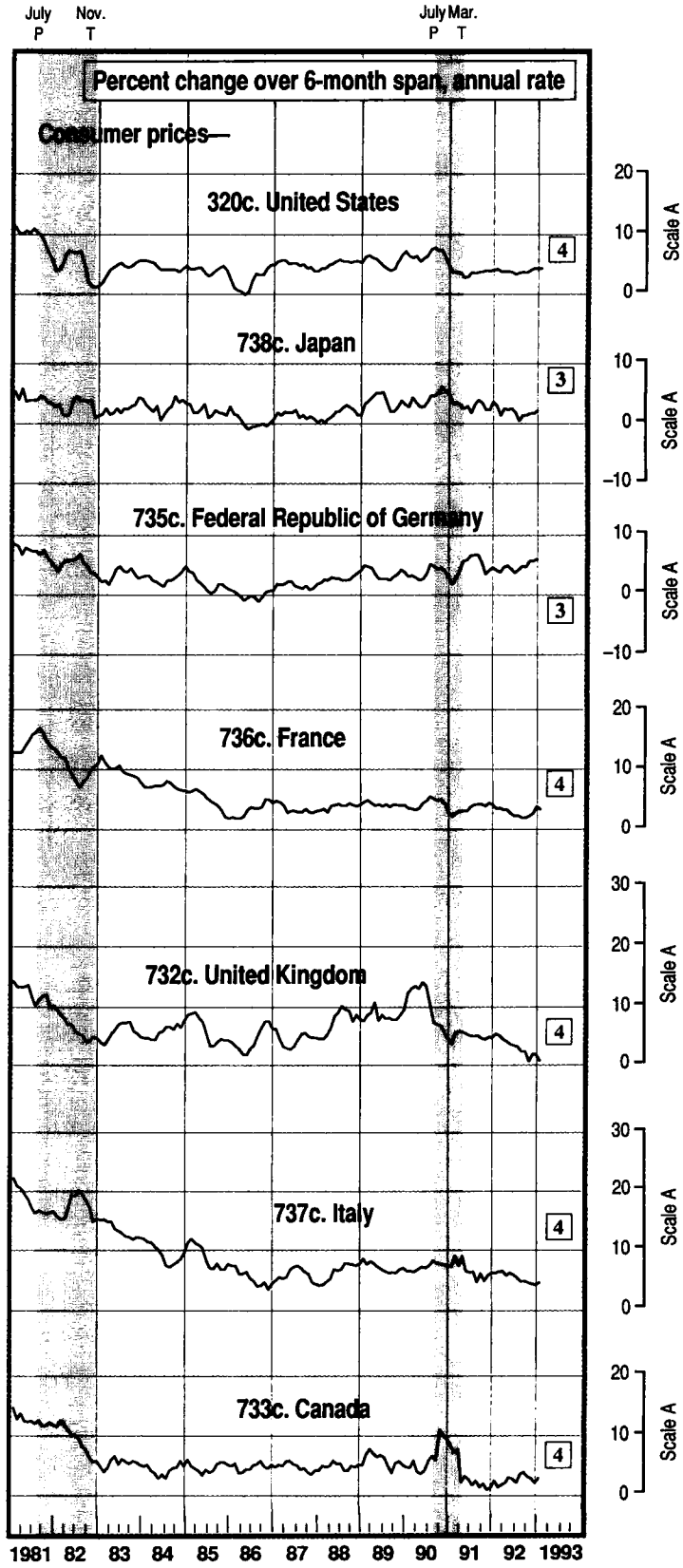
NOTE.—Current data for these series are shown on pages C-3, C-4, and C-5.

OTHER IMPORTANT ECONOMIC MEASURES

International Industrial Production



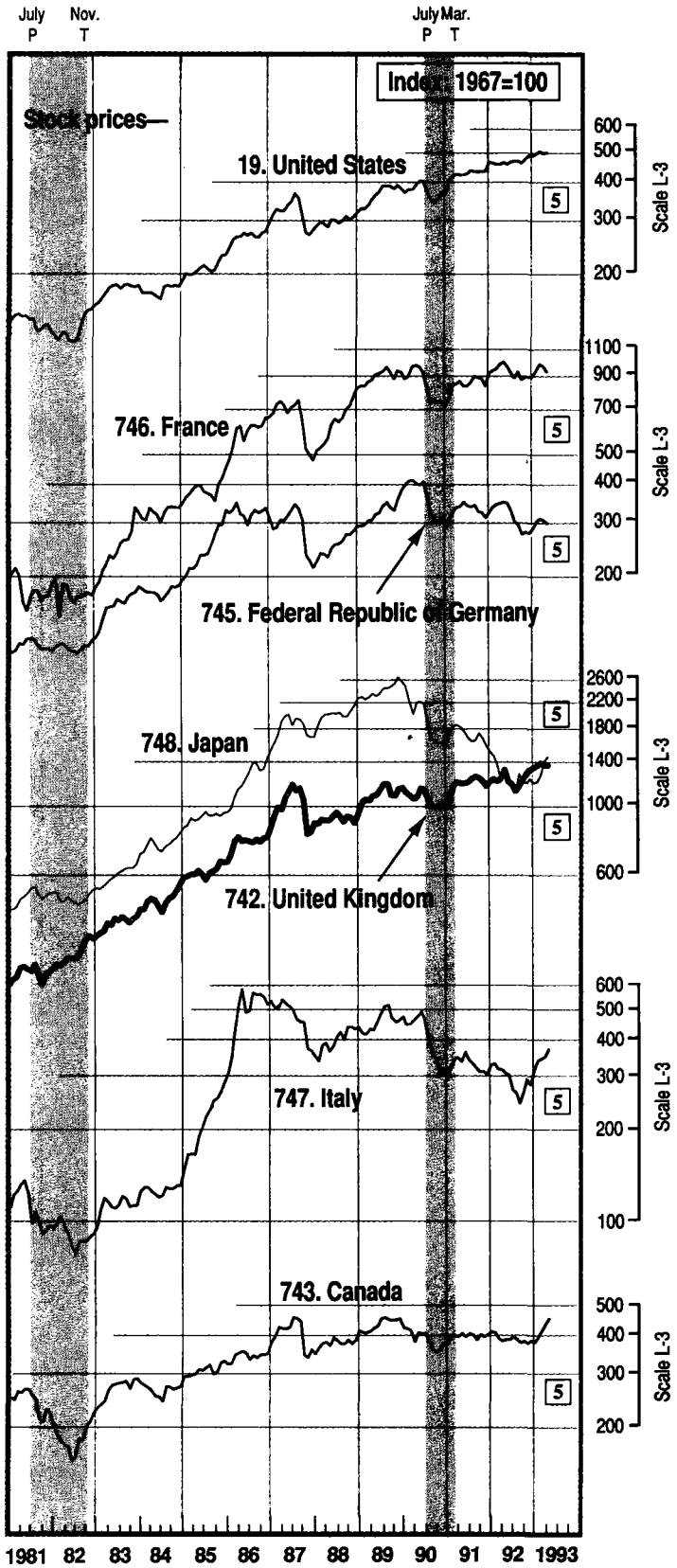
International Consumer Prices



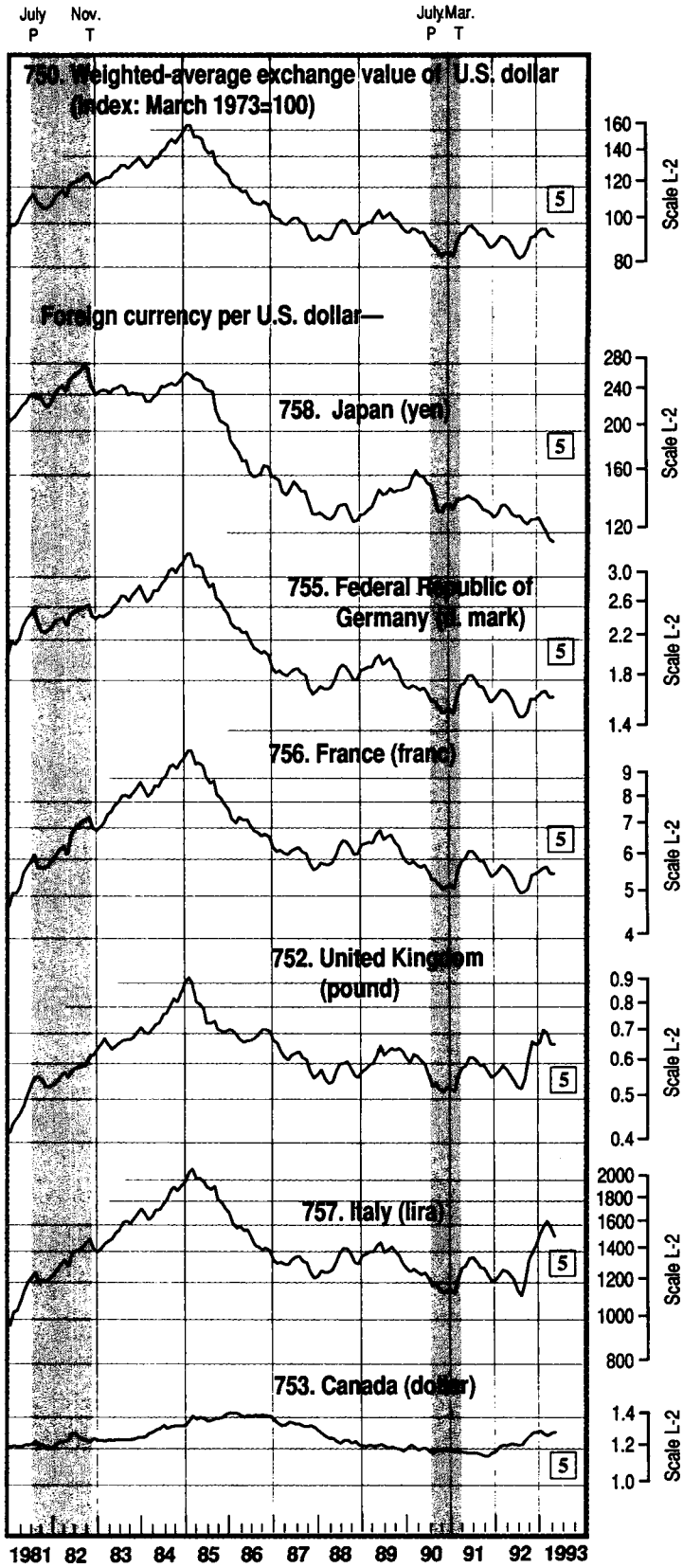
NOTE.—Current data for these series are shown on page C-5.

OTHER IMPORTANT ECONOMIC MEASURES

International Stock Prices



International Exchange Rates



NOTE.—Current data for these series are shown on page C-5.

CURRENT BUSINESS STATISTICS

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NOTE.—This section of the SURVEY is prepared by the Business Statistics Branch.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
1. GENERAL BUSINESS INDICATORS																
PERSONAL INCOME BY SOURCE ÷																
[Billions of dollars]																
Seasonally adjusted, at annual rates:																
Total personal income	4,828.3	5,058.1	5,009.6	5,015.4	5,032.7	5,038.5	5,048.7	5,056.4	5,080.9	5,145.0	5,143.7	5,194.0	r5,223.1	r5,228.7	r5,261.0	5,262.0
Wage and salary disbursements, total	2,812.2	2,918.1	2,895.0	2,890.6	2,907.6	2,905.7	2,911.2	2,930.9	2,928.3	2,951.3	2,967.8	2,990.6	r3,010.1	r3,004.6	r3,004.3	3,012.6
Commodity-producing industries, total	737.4	743.2	739.6	741.2	745.3	742.8	742.7	743.5	740.9	749.2	746.9	755.6	751.0	r756.7	r755.6	757.7
Manufacturing	556.9	565.7	561.6	563.6	566.3	564.2	566.1	565.3	565.0	571.2	568.6	578.4	574.3	r577.6	r577.5	579.8
Distributive industries	647.4	666.8	663.4	661.0	664.7	663.1	663.8	668.3	670.9	672.5	679.9	675.1	681.2	r688.4	r687.2	688.0
Service industries	883.9	945.5	936.1	929.8	936.3	935.7	940.7	954.5	952.1	960.1	972.5	989.0	996.1	r983.3	r985.3	989.4
Government	543.6	562.5	556.0	558.6	561.3	564.1	564.1	564.6	564.3	569.5	568.5	570.9	r581.9	r576.2	r576.3	577.5
Other labor income	288.3	305.7	300.7	302.1	303.6	305.0	306.4	307.9	309.3	310.8	312.2	313.6	315.1	316.5	318.0	319.4
Proprietors' income: ‡																
Farm	35.8	39.5	49.0	48.1	36.1	31.4	30.6	24.9	39.1	55.4	39.3	49.4	38.4	r45.5	r74.7	53.5
Nonfarm	332.2	364.9	356.9	358.6	359.2	361.9	363.8	363.8	369.9	376.7	380.0	384.4	r388.9	r388.9	r389.6	391.0
Rental income of persons with capital consumption adjustment	−10.4	4.7	−3.2	−1.2	3.3	8.0	9.6	3.6	6.1	13.5	13.4	14.0	r17.6	r20.1	r14.9	23.4
Personal dividend income	137.0	139.3	134.2	135.4	136.6	137.9	139.5	141.3	142.3	143.8	145.3	148.2	149.6	149.9	150.1	150.3
Personal interest income	700.6	670.2	676.9	676.0	675.2	674.4	668.6	663.1	657.8	657.7	657.8	657.9	r656.9	r656.3	r656.0	655.5
Transfer payments to persons	771.1	866.1	848.2	854.2	860.9	864.1	869.4	872.8	880.0	889.2	882.6	892.1	r906.8	r907.4	r913.9	917.1
Less: Personal contributions for social insurance	238.4	250.6	248.2	248.3	249.8	249.9	250.5	252.0	251.9	253.4	254.7	256.3	r260.3	260.5	r260.4	260.9
Total nonfarm income	4,770.4	4,995.8	4,938.2	4,944.9	4,973.9	4,984.4	4,995.3	5,008.7	5,018.9	5,066.4	5,081.1	5,121.3	r5,161.1	r5,159.6	r5,162.8	5,184.6
DISPOSITION OF PERSONAL INCOME ÷																
[Billions of dollars, unless otherwise indicated]																
Seasonally adjusted, at annual rates:																
Total personal income	4,828.3	5,058.1	5,009.6	5,015.4	5,032.7	5,038.5	5,048.7	5,056.4	5,080.9	5,145.0	5,143.7	5,194.0	r5,223.1	r5,228.7	r5,261.0	**5,262.0**
Less: Personal tax and nontax payments	618.7	627.3	609.0	614.7	617.6	619.0	624.1	630.1	632.2	639.1	643.3	648.5	656.9	656.0	r655.8	**658.2**
Equals: Disposable personal income	4,209.6	4,430.8	4,400.6	4,400.7	4,415.1	4,419.5	4,424.6	4,426.3	4,448.7	4,505.9	4,500.4	4,545.4	r4,566.1	r4,572.7	r4,605.2	**4,603.8**
Less: Personal outlays	4,009.9	4,218.1	4,153.7	4,162.7	4,174.9	4,200.9	4,222.0	4,214.0	4,253.8	4,296.7	4,308.4	4,345.5	r4,353.9	r4,369.9	r4,363.3	**4,407.0**
Personal consumption expenditures	3,887.7	4,095.8	4,030.3	4,039.9	4,052.6	4,078.7	4,100.6	4,092.8	4,132.6	4,175.2	4,186.7	4,222.5	r4,230.5	r4,246.1	r4,239.2	**4,282.7**
Durable goods	446.1	480.4	463.5	462.6	468.6	480.5	479.8	483.2	484.6	499.5	490.9	506.9	r513.7	r492.9	r495.1	**516.0**
Nondurable goods	1,251.5	1,290.7	1,269.5	1,274.0	1,280.3	1,278.3	1,289.2	1,293.9	1,295.4	1,314.9	1,316.6	1,324.1	r1,319.2	r1,330.0	r1,316.1	**1,324.1**
Services	2,190.1	2,324.7	2,297.3	2,303.3	2,303.7	2,319.9	2,331.6	2,315.8	2,352.6	2,360.8	2,379.1	2,391.5	r2,397.5	r2,423.3	r2,428.0	**2,442.6**
Interest paid by persons	112.5	112.1	113.3	112.4	111.9	111.8	111.4	111.2	111.2	111.1	111.3	112.6	r112.7	r113.1	r113.4	**113.6**
Personal transfer payments to rest of the world (net)	9.7	10.3	10.2	10.4	10.4	10.4	10.0	10.0	10.0	10.4	10.4	10.4	r10.7	r10.7	r10.7	**10.7**
Equals: personal saving	199.6	212.6	246.8	238.0	240.2	218.6	202.6	212.3	194.9	209.2	192.0	199.9	r212.3	r202.9	r241.9	**196.8**
Personal saving as percentage of disposable personal income §	4.7	4.8	5.3	5.5	5.3	5.0	4.8	4.6	4.6	4.4	4.4	4.4	4.5	4.8	4.7	.....
Disposable personal income in constant (1987) dollars	3,509.0	3,585.1	3,581.9	3,573.3	3,578.6	3,576.1	3,574.4	3,585.5	3,581.7	3,613.4	3,604.0	3,637.1	r3,639.4	r3,633.3	r3,654.5	3,640.6
Personal consumption expenditures in constant (1987) dollars	3,240.8	3,314.0	3,280.5	3,280.3	3,284.8	3,300.3	3,312.6	3,315.3	3,327.2	3,348.2	3,352.7	3,378.7	r3,371.8	r3,373.8	r3,364.1	3,386.7
Durable goods	414.7	439.1	425.6	423.9	427.6	438.6	437.8	440.0	441.5	453.9	446.6	462.6	r466.7	r448.2	r450.3	466.0
Nondurable goods	1,042.4	1,054.1	1,040.9	1,044.4	1,048.8	1,043.6	1,051.2	1,052.4	1,052.5	1,066.7	1,068.2	1,073.2	r1,064.7	r1,068.0	r1,056.5	1,062.2
Services	1,783.7	1,820.7	1,813.9	1,812.1	1,808.4	1,818.2	1,823.7	1,822.9	1,833.2	1,827.6	1,837.9	1,843.0	r1,840.4	r1,857.6	r1,857.3	1,858.5
Implicit price deflator for personal consumption expenditures, *1987=100*	120.0	123.6	122.9	123.2	123.4	123.6	123.8	123.5	124.2	124.7	124.9	125.0	r125.5	r125.9	126.0	126.5
INDUSTRIAL PRODUCTION ◊																
[1987=100]																
Not seasonally adjusted:																
Total index	r104.1	r106.5	r105.1	r104.3	r105.3	r107.8	r105.7	r109.1	r108.9	r109.2	r108.0	r107.1	r107.6	r109.3	r109.2	108.0
By industry groups:																
Mining	r100.4	r97.6	r97.2	r96.8	r96.9	r96.0	r96.1	r97.1	r97.2	r99.0	r100.4	r98.8	r98.4	r97.0	r95.5	95.5
Utilities	r112.2	r112.0	r114.2	r105.5	r100.0	r103.8	r112.6	r110.9	r105.6	r102.0	r109.6	r127.7	r133.4	r128.6	r120.2	106.5
Manufacturing	r103.7	r106.9	r105.0	r104.9	r106.5	r109.3	r106.0	r110.1	r110.3	r110.9	r108.6	r106.0	r106.1	r108.8	r09.5	109.3
Durable	r103.8	r108.1	r106.8	r106.0	r108.5	r110.3	r105.6	r110.3	110.5	r112.3	r110.9	r109.2	r109.1	r113.0	r114.1	113.0
Nondurable	r103.5	r105.4	r102.7	r103.6	r104.1	r108.0	r106.4	r109.8	r110.2	r109.1	r105.7	r102.0	r102.4	r103.6	r103.8	104.7
Seasonally adjusted:																
Total index	r104.1	r106.6	r105.6	r106.3	r106.7	r106.0	r106.8	r106.6	r106.2	r107.5	r108.4	r108.9	r109.3	r109.9	r109.9	110.0
By market groups:																
Products, total	r103.2	r105.7	r104.5	r105.3	r105.7	r104.8	r105.7	r105.9	r105.3	r107.1	r107.8	r108.2	r108.5	r109.1	r109.1	109.1
Final products	r105.4	r108.3	r106.9	r107.7	r108.3	r107.1	r108.1	r108.9	r108.1	r110.1	r111.0	r111.5	r111.9	r112.3	r112.3	112.5
Consumer goods	r102.9	r105.2	r104.7	r105.4	r105.8	r104.0	r104.9	r105.1	r104.4	r106.4	r107.1	r107.5	r107.6	r108.2	r108.1	107.9

See footnotes at end of tables.

1. GENERAL BUSINESS INDICATORS—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
INDUSTRIAL PRODUCTION ◊—Continued																
[1987=100]																
Seasonally adjusted—Continued																
By market groups—Continued																
Final products—Continued																
Consumer goods—Continued																
Durable	r95.4	r102.6	r100.9	r102.6	r105.6	r102.0	r102.8	r101.9	r100.9	r104.1	r105.7	r107.9	r110.9	r111.7	r111.0	111.2
Automotive products	r90.3	r99.5	r96.5	r99.0	r102.9	r99.0	r98.8	r99.5	r97.3	r103.1	r104.1	r108.7	r112.7	r112.6	r111.4	111.0
Autos and trucks	r85.2	r97.0	r92.2	r97.4	r102.1	r96.5	r95.3	r96.0	r93.5	r101.5	r102.9	r111.7	r116.8	r115.7	r113.5	112.8
Other durable goods	r99.9	r105.2	r104.7	r105.8	r107.9	r104.6	r106.3	r104.0	r104.1	r104.9	r107.1	r107.2	r109.3	r110.9	r110.7	111.4
Nondurable	r105.0	r106.0	r105.7	r106.1	r105.9	r104.6	r105.5	r106.0	r105.3	r107.1	r107.5	r107.4	r106.7	r107.3	r107.3	107.0
Foods and tobacco	r104.1	r104.8	r104.5	r104.8	r104.7	r103.3	r105.0	r107.0	r104.9	r105.9	r105.2	r104.8	r104.6	r104.9	r104.3	104.4
Clothing	r93.2	r95.1	r95.4	r95.0	r95.7	r94.5	r95.1	r94.0	r94.3	r94.5	r95.9	96.0	r95.7	r95.4	r95.2	94.9
Chemical products	r115.3	r118.8	r117.9	r118.9	r118.1	r117.6	r117.3	r116.5	r118.5	r121.1	r123.3	r121.7	r122.4	r120.4	r122.7	123.2
Paper products	r101.8	r100.8	r101.3	r101.2	r101.0	r100.6	r100.1	r100.2	r100.4	r100.1	r100.9	r100.9	r100.2	r101.8	r101.8	102.2
Energy products	r108.2	r108.1	r107.7	r109.0	r107.8	r105.2	r106.3	r105.6	r104.6	r111.1	r112.0	r114.4	r109.5	r114.0	r113.6	110.2
Equipment, total	r109.0	r112.8	r110.2	r111.1	r112.0	111.6	r112.7	r114.3	r113.5	r115.4	r116.7	r117.2	r118.1	r118.1	r118.4	119.1
Business equipment	r115.8	r123.3	r119.0	r120.6	r122.1	r121.9	r123.7	r126.1	r125.0	r127.5	r129.0	r129.6	r131.2	r131.8	r132.9	134.0
Information processing and related	r120.6	r134.6	r127.8	r129.6	r131.4	r134.3	r137.4	r138.5	r138.2	r142.2	r142.9	r143.2	r144.4	r146.1	r149.2	151.9
Office and computing machines	r137.3	r168.0	r155.6	r158.5	r162.1	r167.3	r171.8	r173.7	r178.3	r183.1	r184.5	r186.4	r192.0	r198.0	r205.7	212.8
Industrial	r106.2	r108.5	r106.3	r106.8	r108.4	r108.7	r109.1	r109.2	r109.6	r110.1	r112.0	r112.3	r113.1	r112.5	r112.6	112.6
Transit	r134.2	r137.6	r135.5	r137.5	r136.9	r133.9	r135.3	r143.3	r134.5	r137.4	r140.4	r144.1	r146.7	r147.1	r145.0	143.5
Autos and trucks	r105.4	r118.1	r114.1	r119.5	r123.3	r117.2	r114.2	r117.3	r114.7	r121.7	r123.9	r131.4	r136.7	r138.1	r135.9	134.6
Defense and space equipment	r91.7	r86.0	r88.9	r87.7	r87.2	r86.5	r85.1	r84.5	r84.4	r83.5	r83.2	r82.5	r82.0	r81.4	r80.9	80.5
Oil and gas well drilling	r93.9	r78.0	r75.1	r75.5	r75.4	r73.1	r73.8	r75.6	r76.3	r82.7	r86.4	r91.2	r89.0	r77.9	r71.1	72.4
Manufactured homes	r77.9	r100.4	r91.4	r93.0	r92.5	r90.1	r101.3	r96.9	r100.9	r110.4	r118.5	r128.6	r129.4	r127.1	r116.2	116.7
Intermediate products	r96.5	r97.6	r97.2	r97.9	r97.9	r97.7	r98.6	r97.0	r96.9	r97.8	r98.1	r98.3	r98.2	r99.3	r99.4	98.6
Construction supplies	r90.8	r93.9	r93.4	r93.6	r95.3	r93.6	r94.3	r94.1	r93.0	r94.7	r95.1	r94.5	r94.8	r97.3	r97.2	96.3
Business supplies	r100.4	r100.1	r99.7	r100.7	r99.6	r100.6	r101.4	r99.0	r99.5	r99.9	r100.0	r100.8	r100.5	r100.6	r100.8	100.2
Materials	105.5	r107.9	r107.3	r107.9	r108.0	r107.8	r108.5	r107.6	r107.4	r108.1	r109.3	r110.0	r110.4	r111.1	r111.0	111.4
Durable	r105.3	r109.0	r108.1	r108.8	r109.0	r108.7	r109.3	r108.9	r107.6	r109.7	r111.1	r111.9	r113.3	114.4	r114.3	115.0
Nondurable	r107.1	r111.0	r110.9	r111.2	r111.5	r111.5	r111.5	r110.7	r111.7	r110.7	r112.0	r111.5	r112.4	r112.1	r112.4	113.5
Energy	r104.6	r103.4	r102.7	r103.5	r103.3	r103.1	r104.4	r102.5	r103.6	r103.0	r103.9	r105.1	r103.4	r103.9	r103.8	102.9
By industry groups:																
Mining	r100.4	r97.6	r97.2	r97.4	r98.8	r97.1	r98.5	r97.0	r97.1	r97.6	r97.8	r98.2	r98.3	r95.6	r95.4	96.1
Metal mining	r156.7	r161.8	r162.0	r156.0	r172.2	r157.8	r156.5	r165.5	r159.8	r168.1	r171.6	r158.1	r167.7	r163.0	r163.5	161.9
Coal	109.3	r105.5	r104.6	r106.5	r109.5	r101.9	r108.0	r103.9	r103.6	r103.8	r103.5	r107.9	r108.2	r101.7	r102.3	108.0
Oil and gas extraction #	r96.0	r92.6	r92.2	r92.4	r92.5	r93.1	r93.6	r91.9	r92.7	r92.7	r92.8	r93.4	r92.6	r90.4	r90.0	89.9
Crude oil	r89.1	r85.7	r86.8	86.5	r85.5	r86.2	r85.7	r84.3	r84.8	r84.2	84.0	r85.9	r83.4	r81.8	82.1	82.1
Natural gas	r107.0	r106.7	r103.9	r105.2	r107.0	r108.4	r111.1	r108.4	r109.3	r108.4	r108.2	r104.3	r106.9	105.9	106.1	.....
Stone and earth minerals	r94.2	r93.8	r94.3	r94.8	r96.9	r92.7	r94.1	r93.8	r91.9	r93.6	r94.4	r92.6	r93.8	r95.1	r95.3	95.2
Utilities	r111.9	r111.9	r111.4	r112.0	r111.2	r110.0	r111.2	r110.4	r111.2	r112.7	r114.7	r116.8	r112.8	r117.4	r117.3	113.1
Electric	112.7	r111.6	r111.4	r111.8	r110.8	r109.5	r110.8	r110.0	r110.9	r112.6	r114.1	r116.4	r112.9	r117.2	r117.4	113.2
Gas	r109.0	r112.9	r111.8	r113.0	r112.6	r112.0	r112.8	r112.1	r112.0	r113.2	r117.3	r118.2	r112.4	r118.2	r116.9	112.7
Manufacturing	r103.7	r106.9	r106.1	r106.5	r107.1	r106.5	r107.1	r107.0	r106.8	r108.0	r108.9	r109.2	r109.9	r110.5	r110.6	111.0
Durable	r103.9	r108.2	r106.7	r107.2	r108.4	r107.6	r108.2	r108.5	r108.1	r109.8	r110.9	r111.8	r112.9	r113.9	r114.0	114.4
Lumber and products	r90.5	r96.4	r96.5	r95.3	r96.1	r93.8	r96.6	r96.6	r94.7	r97.8	r99.8	r98.0	r99.3	r101.3	r99.9	98.6
Furniture and fixtures	r94.0	r98.9	r95.4	r99.4	r101.0	r94.2	r97.5	r99.2	100.5	r100.4	r102.3	r103.9	r105.2	r105.2	r107.0	107.3
Clay, glass, and stone products	r92.6	r95.9	r94.7	r94.5	r97.4	r95.6	r96.8	r95.7	r96.5	r96.8	r97.6	r98.0	r97.0	r99.1	r98.0	98.3
Primary metals	r98.5	r101.2	r102.6	r101.8	r101.1	r101.2	r100.6	r100.5	r98.0	r100.5	r101.6	r102.4	r102.8	r107.9	r104.8	105.1
Iron and steel	r100.7	r104.8	r106.5	r105.6	r104.8	r103.8	r104.7	r103.8	r102.0	r104.1	r103.6	r107.4	r107.0	r112.8	r109.1	109.5
Nonferrous	r95.5	r96.2	r97.3	r96.6	r95.9	r97.5	r95.0	r96.1	r92.4	r95.6	r98.8	r95.7	r97.1	r101.1	r98.8	99.0
Fabricated metal products	r95.0	r96.8	r96.6	r96.8	r97.2	r97.1	r97.0	r97.0	r96.5	r97.5	r97.6	r97.8	r99.8	r99.8	r100.1	100.4
Machinery and computer equipment	r113.8	r124.9	r120.0	r120.9	r123.2	r123.8	r125.7	r126.9	r127.9	r130.6	r132.8	r133.8	r135.0	r137.1	r139.6	142.0
Electrical machinery	r112.8	r120.0	r117.2	r118.2	r119.5	r119.3	r120.7	r120.6	r121.5	r122.6	r124.4	r124.8	r125.8	r127.0	r127.8	127.9
Transportation equipment	r102.0	r102.7	r102.3	r103.2	r104.5	r102.7	r101.4	r102.4	r100.5	r103.0	r103.6	r106.3	r108.4	r108.1	r107.0	106.4
Motor vehicles and parts	r94.8	r105.0	r101.2	r104.5	r107.9	r104.8	r103.1	r105.0	r102.6	r108.0	r109.9	r116.2	r120.9	r121.3	r120.0	120.2
Instruments	r105.4	r104.3	r104.9	r104.9	r105.1	r104.4	r104.9	r104.3	r103.7	r103.7	r103.6	r103.3	r103.0	r102.1	r102.9	103.3
Nondurable	r103.5	r105.4	r105.3	r105.5	r105.4	r105.2	r105.7	r105.2	r105.2	r105.8	r106.4	r106.0	r106.4	r106.4	r106.4	106.8
Foods	r105.3	r106.0	r106.4	r106.0	r106.1	r105.4	r105.9	r106.3	r105.6	r106.8	r106.4	r106.2	r105.9	r106.4	r106.1	106.2
Tobacco products	r96.7	r99.6	r97.1	r97.3	r97.9	r96.4	r101.5	r115.5	r101.7	r102.4	r101.9	r96.1	r100.5	r99.5	r97.5	98.6
Textile mill products	r96.9	r104.7	r104.3	r105.0	r105.0	r103.8	r107.0	r103.5	r105.1	r103.5	r106.0	r106.0	r106.9	r106.6	r105.7	107.0
Apparel products	r91.8	r92.6	r93.6	r93.4	r93.5	r91.7	r92.7	r91.3	r91.5	r91.7	r92.9	r92.7	r93.1	r92.9	r92.5	92.1
Paper and products	r106.2	r108.2	r108.7	r109.2	r108.2	r108.7	r109.1	r107.1	r109.5	r107.3	r108.2	r108.3	r108.6	r110.4	r110.1	111.1
Printing and publishing	r96.8	r95.0	r95.1	r95.8	r94.5	r95.6	r95.7	r93.5	r94.1	r94.5	r94.2	r94.7	r94.7	r94.3	r94.4	94.8
Chemicals and products	r111.3	r115.0	r114.2	r114.6	r114.8	r114.9	r114.6	r114.4	r115.2	r116.2	r117.7	r116.7	r116.8	r115.8	r116.9	117.4
Petroleum products	r101.6	r102.0	r102.0	r103.7	r102.5	r101.8	r101.5	r98.0	r101.1	r105.3	r103.9	r103.4	r103.2	r104.7	r103.9	103.7
Rubber and plastics products	r104.5	r109.7	r109.4	r109.2	r110.3	r109.7	r110.7	r110.7	r108.5	r109.9	r111.3	r111.3	r113.6	r114.0	r114.3	114.3
Leather and products	r87.9	r92.5	r90.0	r91.1	r91.8	r92.3	r93.6	r92.0	r93.8	r95.1	r96.6	r96.7	r97.1	r97.3	r97.8	97.7
BUSINESS SALES																
[Millions of dollars]																
Manufacturing and trade sales (unadj.), total	6,406,052	[1] 6,662,014	561,245	551,825	556,479	585.012	548,161	561,204	580,869	588,615	566,569	609,982	520,631	r540,867	602,110	.....
Manufacturing and trade sales (seas. adj.), total	[1] 6,406,052	r[1] 6,705,463	r552,126	r552,488	551,257	559,606	563,656	556,733	563,454	566,005	569,483	581,479	581,760	r585.369	586,531	.....
Manufacturing, total	[1] 2,821,699	[1] 2,925,955	240,684	241,749	241,479	247,252	247,216	241,014	245,838	244,391	248,160	257,027	253,021	r257,266	260,066	.....
Durable goods industries	1,422,578	1,496,626	123,503	123,483	122,344	125,831	124,789	123,364	125,346	125,162	128,105	134,010	130,465	r134,104	135,787	.....
Nondurable goods industries	1,399,121	1,429,329	117,181	118,266	119,135	121,421	122,427	117,650	120,492	119,229	120,055	123,017	122,556	r123,162	124,279	.....
Retail trade, total	1,842,739	1,956,354	r160,048	r160,182	161,282	161,133	162,316	163,224	164,211	167,603	167,291	169,155	169,232	r169,116	167,720	.....
Durable goods stores	652,951	703,178	r57,281	r57,073	57,553	57,777	58,352	58,369	59,172	61,051	60,610	61,873	62,216	r60,978	60,775	.....
Nondurable goods stores	1,189,788	1,253,176	r102,767	r103,109	103,729	103,356	103,964	104,855	105,039	106,552	106,681	107,282	107,016	r108,138	106,945	.....
Merchant wholesalers, total	r[1] 1,771,614	[1] 1,823,526	r151,394	150,557	148,496	151,221	154,124	152,495	153,405	154,011	154,032	155,297	159,507	r158,987	158,745	.....
Durable goods establishments	r859,492	r902,229	r74,896	73,893	72,672	75,323	76,447	75,644	75,291	76,131	77,808	78,164	80,850	r80,692	79,896	.....
Nondurable goods establishments	r912,122	r921,297	r76,498	76,664	75,824	75,898	77,677	76,851	78,114	77,880	76,224	77,133	78,657	r78,295	78,849	.....
[Billions of constant 1987 dollars]																
Manufacturing and trade sales in constant (1987) dollars (seas. adj.), total §	.....	.....	486.0	487.4	484.7	490.1	495.3	489.5	495.5	495.3	499.4	509.7	r509.4	r510.7	511.4	.....
Manufacturing	.....	.....	217.5	217.8	216.5	220.7	221.3	216.3	219.8	218.8	222.4	230.2	r226.6	230.1	232.6	.....
Retail trade	.....	.....	141.2	141.5	141.9	141.5	143.0	142.9	143.6	146.5	146.2	148.0	147.7	r146.8	145.4	.....
Merchant wholesalers	.....	.....	127.3	128.1	126.3	127.9	131.0	130.3	132.2	130.0	130.8	131.5	135.1	r133.9	133.4	.....

See footnotes at end of tables.

1. GENERAL BUSINESS INDICATORS—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
BUSINESS INVENTORIES																
[Millions of dollars]																
Manufacturing and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total	r824,585	839,876	833,338	838,611	834,311	831,350	836,712	837,772	841,419	861,855	867,063	839,876	846,751	r854,011	862,303	...
Manufacturing and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total	r833,213	848,805	r832,031	835,471	835,106	839,721	843,101	845,350	844,388	845,341	846,585	848,805	851,018	r854,563	861,132	...
Manufacturing, total	386,043	378,926	383,239	382,206	383,286	382,854	383,491	385,596	384,390	383,708	381,266	378,926	378,452	r379,080	379,981	...
Durable goods industries	246,966	235,360	243,787	242,512	242,447	241,891	241,258	242,036	240,550	239,390	237,542	235,360	234,363	r235,120	235,429	...
Nondurable goods industries	139,077	143,566	139,452	139,694	140,839	140,963	142,233	143,560	143,840	144,318	143,724	143,566	144,089	r143,960	144,552	...
Retail trade, total	243,162	260,647	r247,329	251,566	250,942	252,568	254,984	254,145	254,884	255,540	256,895	260,647	262,427	r265,718	269,830	...
Durable goods stores	117,454	131,549	r122,113	125,405	125,217	125,844	127,018	127,334	126,900	127,760	128,884	131,549	132,861	r135,599	138,517	...
Nondurable goods stores	125,708	129,098	r125,216	126,161	125,725	126,724	127,966	126,811	127,984	127,780	128,011	129,098	129,566	r130,119	131,313	...
Merchant wholesalers, total	r201,285	209,232	r201,463	201,699	200,878	204,299	204,626	205,609	205,114	206,093	208,424	209,232	210,139	r209,765	211,321	...
Durable goods establishments	r128,957	134,208	r127,542	128,193	128,541	130,832	130,640	132,133	132,319	132,566	133,826	134,208	133,648	r133,705	134,892	...
Nondurable goods establishments	r72,328	75,024	r73,921	73,506	72,337	73,467	73,986	73,476	72,795	73,527	74,598	75,024	76,491	r76,060	76,429	...
[Billions of constant 1987 dollars]																
Manufacturing and trade inventories in constant (1987) dollars, end of period (seas. adj.), total §	...	...	780.5	781.4	779.5	782.3	785.2	786.8	784.9	784.3	785.4	786.6	r786.8	r789.0	792.8	...
Manufacturing	...	...	368.5	367.1	367.5	366.9	367.5	369.2	367.9	367.4	365.7	364.2	363.8	r364.1	364.6	...
Retail trade	...	...	229.2	232.0	230.8	232.1	234.3	233.9	234.5	233.4	235.3	237.5	r238.0	r240.9	143.5	...
Merchant wholesalers	...	...	182.8	182.4	181.2	183.3	183.4	183.7	182.4	183.5	184.5	184.8	185.0	r184.1	184.7	...
BUSINESS INVENTORY-SALES RATIOS																
Manufacturing and trade, total	...	...	1.51	1.51	1.51	1.50	1.50	1.52	1.50	1.49	1.49	1.46	1.46	1.46	1.47	...
Manufacturing, total	...	...	1.59	1.58	1.59	1.55	1.55	1.60	1.56	1.57	1.54	1.47	1.50	1.47	1.46	...
Durable goods industries	...	...	1.97	1.96	1.98	1.92	1.93	1.96	1.92	1.91	1.85	1.76	1.80	1.75	1.73	...
Materials and supplies	...	...	.54	.54	.55	.53	.54	.55	.54	.53	.52	.49	.50	.49	.48	...
Work in process	...	...	.93	.92	.93	.89	.89	.91	.88	.89	.86	.82	.83	.81	.80	...
Finished goods	...	...	.50	.50	.51	.49	.50	.51	.50	.49	.48	.45	.46	.45	.45	...
Nondurable goods industries	...	...	1.19	1.18	1.18	1.16	1.16	1.22	1.19	1.21	1.20	1.17	1.18	1.17	1.16	...
Materials and supplies	...	...	.44	.44	.44	.43	.43	.45	.44	.44	.44	.43	.43	.42	.42	...
Work in process	...	...	.19	.19	.19	.19	.18	.20	.19	.19	.19	.19	.19	.19	.19	...
Finished goods	...	...	.56	.55	.56	.54	.54	.58	.56	.57	.57	.55	.56	.55	.55	...
Retail trade, total	...	...	1.55	1.57	1.56	1.57	1.57	1.56	1.55	1.52	1.54	1.54	1.55	1.57	1.61	...
Durable goods stores	...	...	r2.13	2.20	2.18	2.18	2.18	2.18	2.14	2.09	2.13	2.13	2.14	r2.22	2.28	...
Nondurable goods stores	...	...	1.22	1.22	1.21	1.23	1.23	1.21	1.22	1.20	1.20	1.20	1.21	1.20	1.23	...
Merchant wholesalers, total	...	...	r1.33	1.34	1.35	1.35	1.33	1.35	1.34	1.34	1.35	1.35	1.32	1.32	1.33	...
Durable goods establishments	...	...	r1.70	1.73	1.77	1.74	1.71	1.75	1.76	1.74	1.72	1.72	1.65	r1.66	1.69	...
Nondurable goods establishments	...	...	.97	.96	.95	.97	.95	.96	.93	.94	.98	.97	.97	.97	.97	...
Manufacturing and trade in constant (1987) dollars, total §	...	...	1.61	1.60	1.61	1.60	1.59	1.61	1.58	1.58	1.57	1.54	1.54	r1.55	1.55	...
Manufacturing	...	...	1.70	1.69	1.70	1.66	1.66	1.71	1.67	1.68	1.64	1.58	r1.61	1.58	1.57	...
Retail trade	...	...	1.62	1.64	1.63	1.64	1.64	1.64	1.63	1.59	1.61	1.61	1.61	1.64	1.68	...
Merchant wholesalers	...	...	1.44	1.42	1.44	1.43	1.40	1.41	1.38	1.41	1.41	1.41	1.37	r1.38	1.39	...
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS †																
[Millions of dollars]																
Shipments (not seas. adj.), total	2,821,699	2,930,005	250,588	240,550	243,922	264,164	226,244	242,572	262,873	256,009	248,832	249,541	226,456	r252,026	269,682	...
Durable goods industries, total	1,422,578	1,498,382	131,400	123,510	124,991	137,601	109,301	122,149	134,183	131,374	127,641	131,784	113,591	r131,807	143,989	...
Stone, clay, and glass products	57,103	63,168	4,949	5,222	5,322	5,833	5,371	5,832	6,044	6,102	5,347	4,514	4,351	r4,986	5,105	...
Primary metals	129,969	132,262	11,290	11,372	11,438	11,818	10,401	11,132	11,333	11,372	10,816	9,869	10,514	r11,381	11,699	...
Blast furnaces, steel mills	54,876	56,233	4,885	4,830	4,802	4,984	4,301	4,660	4,765	4,837	4,626	4,213	4,735	r5,036	5,305	...
Fabricated metal products	156,877	160,289	13,666	13,233	13,506	14,396	12,192	13,488	14,241	14,264	13,386	13,247	12,279	r13,741	14,741	...
Industrial machinery and equipment	242,835	252,829	23,580	20,116	20,094	25,167	18,219	19,503	23,179	20,743	20,980	24,982	19,[illegible]	r22,021	27,524	...
Electronic and other electrical equipment	199,544	212,193	18,158	16,508	16,887	18,640	16,162	17,158	20,006	18,638	18,704	20,037	15,593	r18,362	19,961	...
Transportation equipment	363,218	390,399	34,928	33,610	34,335	35,714	24,811	30,917	33,010	35,234	34,288	34,903	30,167	r36,567	38,748	...
Motor vehicles and parts	206,379	236,242	20,375	20,735	22,227	21,134	13,562	19,317	19,562	23,281	21,606	18,853	20,720	r24,826	25,387	...
Instruments and related products	123,945	123,352	11,002	9,962	10,036	11,300	9,236	9,786	11,276	10,169	10,341	11,324	9,045	r9,900	10,889	...
Nondurable goods industries, total	1,399,121	1,431,623	119,188	117,040	118,931	126,563	116,943	120,423	128,690	124,635	121,191	117,757	112,865	r120,219	125,693	...
Food and kindred products	387,050	394,275	33,158	32,300	33,567	33,670	31,393	32,745	35,532	34,367	33,635	32,812	30,961	r32,848	34,632	...
Tobacco products	32,273	33,263	3,241	1,849	2,484	4,304	2,351	1,994	4,053	2,251	3,137	3,852	1,979	r2,097	3,563	...
Textile mill products	67,756	72,572	6,264	5,917	6,002	6,760	5,374	6,447	6,792	6,422	6,137	5,567	5,443	r5,956	6,120	...
Paper and allied products	124,367	125,563	10,615	10,280	10,227	10,960	10,438	10,711	10,758	10,538	10,295	10,281	10,086	r10,293	10,478	...
Chemicals and allied products	289,039	297,122	25,282	25,426	25,185	26,486	24,088	24,672	26,118	24,328	23,826	24,373	24,207	r25,669	27,206	...
Petroleum and coal products	160,391	158,056	11,690	12,831	13,546	14,523	14,283	13,926	14,190	14,256	13,648	12,867	12,048	r12,270	12,561	...
Rubber and plastics products	103,602	106,728	9,288	9,195	9,060	9,640	8,653	8,959	9,146	9,213	8,428	7,916	8,332	r9,162	9,284	...
Shipments (seas. adj.), total	...	...	240,684	241,749	241,479	247,252	247,216	241,014	245,838	244,391	248,160	257,027	253,021	r257,266	260,066	...
By industry group:																
Durable goods industries, total #	...	...	123,503	123,483	122,344	125,831	124,789	123,364	125,346	125,162	128,105	134,010	130,465	r134,104	135,787	...
Stone, clay, and glass products	...	...	4,952	5,094	5,184	5,320	5,518	5,428	5,535	5,556	5,350	5,346	5,120	r5,432	5,230	...
Primary metals	...	...	10,948	11,112	11,223	11,291	11,166	10,921	10,878	10,749	10,952	11,018	11,115	r11,418	11,424	...
Blast furnaces, steel mills	...	...	4,689	4,713	4,665	4,731	4,640	4,628	4,656	4,597	4,682	4,713	4,860	r5,061	5,111	...
Fabricated metal products	...	...	12,957	13,136	13,044	13,411	13,395	13,400	13,455	13,326	13,599	14,118	13,867	r13,933	14,166	...
Industrial machinery and equipment	...	...	20,871	20,616	20,622	21,622	21,050	20,924	21,060	20,730	21,790	22,658	22,855	r23,036	24,163	...
Electronic and other electrical equipment	...	...	17,249	17,184	17,157	17,293	18,143	17,293	18,199	18,536	18,194	19,306	17,689	r18,660	18,951	...
Transportation equipment	...	...	32,617	32,488	31,880	32,835	31,574	31,673	31,579	32,459	34,028	36,493	35,303	r36,218	36,588	...
Motor vehicles and parts	...	...	19,128	19,472	19,775	19,515	19,035	19,494	19,005	20,129	21,264	23,345	23,204	r23,936	24,130	...
Instruments and related products	...	...	10,331	10,461	10,106	10,472	10,161	10,118	10,565	10,083	10,133	10,459	10,159	r10,283	10,285	...
Nondurable goods industries, total #	...	...	117,181	118,266	119,135	121,421	122,427	117,650	120,492	119,229	120,055	123,017	122,556	r123,162	124,279	...
Food and kindred products	...	...	32,392	33,186	32,940	32,390	32,666	32,662	33,560	33,188	33,448	33,422	33,580	r33,473	33,886	...
Tobacco products	...	...	2,720	2,111	2,165	3,522	3,304	2,045	3,493	2,406	2,711	3,171	3,041	r2,760	3,009	...
Textile mill products	...	...	6,036	6,043	6,033	6,173	6,198	6,084	6,143	5,927	5,924	6,143	6,316	r6,165	5,982	...
Paper and allied products	...	...	10,407	10,387	10,386	10,503	10,668	10,502	10,456	10,333	10,486	10,705	10,410	r10,285	10,307	...
Chemicals and allied products	...	...	24,047	24,502	24,958	25,315	25,458	24,637	24,862	24,444	24,585	25,642	25,218	r25,713	26,108	...
Petroleum and coal products	...	...	12,749	13,213	13,640	14,399	14,205	13,111	12,898	13,149	13,216	13,139	13,006	r13,655	13,853	...
Rubber and plastics products	...	...	9,038	8,978	8,790	8,890	8,989	8,791	8,763	8,778	8,872	8,943	9,035	r9,159	9,056	...

See footnotes at end of tables.

1. GENERAL BUSINESS INDICATORS—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued ÷																
[Millions of dollars]																
Shipments (seas. adj.)—Continued																
By market category:																
Home goods and apparel	181,320	201,485	16,275	16,314	16,497	16,492	17,112	16,799	17,075	17,215	17,449	18,386	18,623	r18,448	18,552	.....
Consumer staples	648,872	659,489	53,811	54,288	54,600	56,216	56,533	54,006	56,374	54,846	55,627	57,000	56,321	r56,172	57,363	.....
Machinery and equipment	457,838	481,633	39,934	39,299	38,751	40,895	39,905	39,548	40,448	40,339	41,613	44,045	42,695	r42,935	44,424	.....
Automotive equipment	103,971	118,295	9,526	9,723	9,808	9,717	9,569	9,900	9,635	10,053	10,547	11,734	11,602	r12,013	11,902	.....
Construction materials and supplies	169,189	184,106	15,073	15,226	15,249	15,412	15,434	15,311	15,736	15,470	15,696	16,135	15,827	r16,668	16,475	.....
Other materials, supplies, and intermediate products	928,029	955,285	78,842	79,566	79,415	80,983	80,736	78,972	79,258	79,506	80,537	82,206	81,106	r83,525	83,696	.....
Supplementary series:																
Household durables	80,036	86,082	7,030	7,094	7,018	6,960	7,353	7,194	7,248	7,347	7,513	7,620	7,577	r7,574	7,531	.....
Capital goods industries	467,572	477,945	40,244	39,282	38,443	40,887	39,923	38,916	40,362	39,366	40,391	42,046	40,372	r40,857	42,418	.....
Nondefense	365,708	381,105	31,950	30,896	30,603	32,830	31,847	31,173	32,033	31,754	32,733	34,188	32,700	r32,997	34,585	.....
Defense	101,864	96,840	8,294	8,386	7,840	8,057	8,076	7,743	8,329	7,612	7,658	7,858	7,672	r7,860	7,833	.....
Inventories, end of year or month:																
Book value (non-LIFO basis), (unadjusted), total	379,926	372,815	383,614	384,499	385,623	381,008	383,467	386,989	383,105	384,281	381,121	372,815	378,030	r381,601	380,322	.....
Durable goods industries, total	241,915	230,530	244,207	244,122	244,562	241,110	241,616	243,425	239,697	239,448	237,538	230,530	233,005	r236,736	235,812	.....
Nondurable goods industries, total	138,011	142,285	139,407	140,377	141,061	139,898	141,851	143,564	143,408	144,833	143,583	142,285	145,025	r144,865	144,510	.....
Book value (non-LIFO basis), (seasonally adjusted), total	386,043	378,926	383,239	382,206	383,286	382,854	383,491	385,596	384,390	383,708	381,266	378,926	378,452	r379,080	379,981	.....
By industry group:																
Durable goods industries, total #	246,966	235,360	243,787	242,512	242,447	241,89'	241,258	242,036	240,550	239,390	237,542	235,360	234,363	r235,120	235,429	.....
Stone, clay, and glass products	8,006	7,846	7,919	7,903	7,924	7,955	7,941	8,023	7,981	7,916	7,926	7,846	7,853	r7,838	7,868	.....
Primary metals	20,187	19,332	19,896	19,864	19,835	19,835	19,833	19,974	19,885	19,663	19,450	19,332	19,323	r19,361	19,369	.....
Blast furnaces, steel mills	9,995	9,557	9,858	9,737	9,748	9,816	9,828	9,823	9,697	9,668	9,594	9,557	9,607	r9,616	9,423	.....
Fabricated metal products	22,693	22,615	22,717	22,750	22,982	22,973	23,258	23,310	23,172	22,938	22,811	22,615	22,385	r22,385	22,494	.....
Industrial machinery and equipment	46,406	44,328	45,324	45,122	45,057	44,845	44,906	45,161	45,089	45,056	45,153	44,328	44,102	r44,157	r43,955	.....
Electronic and other electrical equipment	30,852	30,676	30,977	30,919	30,871	31,009	30,895	31,097	31,021	30,699	30,688	30,676	31,041	r31,146	31,323	.....
Transportation equipment	74,469	67,170	73,028	71,892	71,531	70,889	70,146	70,330	69,431	69,476	68,171	67,170	66,481	r66,625	66,368	.....
Motor vehicles and parts	12,806	11,503	12,387	12,336	12,284	12,284	12,230	12,483	12,627	12,397	12,092	11,503	11,339	r11,397	11,573	.....
Instruments and related products	24,636	23,389	23,999	23,890	23,874	23,918	23,920	23,867	23,814	23,478	23,275	23,389	23,154	r23,252	23,171	.....
By stage of fabrication:																
Materials and supplies	67,645	65,897	66,542	66,535	66,735	67,304	66,800	67,304	67,296	66,327	66,120	65,897	65,488	r65,486	65,672	.....
Work in process	117,575	109,233	115,330	114,004	113,727	112,540	111,644	111,741	110,652	111,129	109,830	109,233	108,704	r108,789	108,418	.....
Finished goods	61,746	60,230	61,915	61,973	61,985	62,047	62,814	62,991	62,602	61,934	61,592	60,230	60,171	r60,845	61,339	.....
Nondurable goods industries, total #	139,077	143,566	139,452	139,694	140,839	140,963	142,233	143,560	143,840	144,318	143,724	143,566	144,089	r143,960	144,552	.....
Food and kindred products	30,038	30,453	30,260	29,849	30,309	30,531	30,558	30,713	30,595	30,836	30,538	30,453	30,721	r30,668	30,753	.....
Tobacco products	6,408	6,782	6,499	6,630	6,843	6,460	6,751	6,913	6,701	6,815	6,800	6,782	6,679	r6,707	6,809	.....
Textile mill products	8,623	9,141	8,750	8,763	8,849	8,942	9,032	9,093	9,113	9,132	9,155	9,141	9,170	r9,162	9,197	.....
Paper and allied products	13,532	13,394	13,634	13,738	13,759	13,554	13,631	13,744	13,768	13,850	13,804	13,394	13,429	r13,473	13,558	.....
Chemicals and allied products	34,082	35,354	33,924	33,997	34,033	33,893	34,221	34,733	34,980	35,188	35,247	35,354	35,401	r35,213	35,188	.....
Petroleum and coal products	11,286	11,246	11,118	11,206	11,473	11,823	12,071	11,985	11,859	11,584	11,296	11,246	11,330	r11,421	11,514	.....
Rubber and plastics products	11,120	11,611	10,891	10,910	10,957	11,077	11,112	11,195	11,317	11,388	11,465	11,611	11,597	r11,559	11,594	.....
By stage of fabrication:																
Materials and supplies	51,890	52,498	51,750	51,880	52,060	52,528	52,962	52,782	52,914	52,838	52,415	52,498	52,505	r52,311	52,639	.....
Work in process	22,002	23,102	22,374	22,578	22,611	22,645	22,643	22,957	23,075	22,963	22,924	23,102	23,106	r23,341	23,433	.....
Finished goods	65,185	67,966	65,328	65,236	66,168	65,790	66,628	67,821	67,851	68,517	68,385	67,966	68,478	r68,308	68,480	.....
By market category:																
Home goods and apparel	27,067	29,493	27,933	28,168	28,510	28,874	29,014	29,143	29,176	29,206	29,203	29,493	29,603	r29,830	30,353	.....
Consumer staples	57,711	59,326	57,918	57,963	58,697	58,329	59,073	59,612	59,418	59,858	59,337	59,326	59,507	r59,551	59,877	.....
Machinery and equipment	89,997	86,532	88,071	87,593	87,404	87,332	87,218	88,196	88,201	87,939	87,960	86,532	86,416	r87,166	87,195	.....
Automotive equipment	6,624	6,188	6,499	6,403	6,347	6,340	6,318	6,431	6,478	6,442	6,403	6,188	6,136	r6,215	6,371	.....
Construction materials and supplies	22,392	22,660	22,613	22,730	22,919	23,060	23,062	22,998	22,913	22,786	22,740	22,660	22,680	r22,865	23,283	.....
Other materials, supplies, and intermediate products	126,107	124,033	125,105	124,832	125,298	125,430	125,705	126,331	126,265	125,675	125,016	124,033	123,702	r123,522	123,643	.....
Supplementary series:																
Household durables	12,714	12,701	12,848	12,857	12,946	13,046	13,046	13,061	12,946	12,933	12,804	12,701	12,696	r12,717	13,018	.....
Capital goods industries	121,587	112,245	119,029	117,709	117,415	116,476	115,812	115,996	114,534	114,406	113,398	112,245	111,714	r111,932	111,118	.....
Nondefense	85,357	81,320	83,535	83,020	82,701	82,312	82,130	83,091	82,936	82,774	82,711	81,320	81,226	r81,773	81,561	.....
Defense	36,230	30,925	35,494	34,689	34,714	34,164	33,682	32,905	31,598	31,632	30,687	30,925	30,488	r30,159	29,557	.....
New orders, net (unadj.), total	2,805,293	2,897,532	249,552	239,643	240,441	259,174	222,388	236,506	256,610	254,719	243,504	251,033	231,502	r254,715	264,404	.....
Durable goods industries, total	1,404,750	1,466,237	129,515	122,551	121,808	132,795	105,043	116,081	128,327	130,449	122,785	133,421	118,154	r134,084	138,528	.....
Nondurable goods industries, total	1,400,543	1,431,295	120,037	117,092	118,633	126,379	117,345	120,425	128,283	124,270	120,719	117,612	113,348	r120,631	125,876	.....
New orders, net (seas. adj.), total	2,805,293	2,893,075	237,606	240,771	238,696	244,542	242,307	236,880	239,951	244,777	243,426	258,264	255,018	r258,377	254,533	.....
By industry group:																
Durable goods industries, total	1,404,750	1,464,132	120,187	122,393	119,808	123,164	119,861	119,376	119,801	125,302	123,271	135,208	132,123	r135,209	130,562	.....
Primary metals	127,631	130,824	10,632	11,061	11,117	11,505	11,288	11,147	9,885	10,394	10,724	11,730	12,509	r12,307	12,217	.....
Blast furnaces, steel mills	53,713	55,652	4,636	4,706	4,648	4,852	4,635	4,594	4,317	4,453	4,638	5,366	5,906	r5,909	5,991	.....
Nonferrous and other primary metals	63,264	63,380	5,014	5,410	5,382	5,631	5,740	5,571	4,667	4,918	5,023	5,285	5,509	r5,342	5,290	.....
Fabricated metal products	155,748	158,989	12,732	12,594	12,645	13,210	12,906	13,142	13,860	13,723	13,577	14,291	13,929	r13,902	13,661	.....
Industrial machinery and equipment	238,988	249,533	20,623	20,141	20,078	21,239	20,678	20,547	21,222	20,657	21,545	22,383	23,112	r23,521	23,929	.....
Electronic and other electrical equipment	198,231	212,473	16,738	17,170	17,081	17,477	18,157	17,343	18,488	18,919	18,215	19,490	18,879	r18,044	17,953	.....
Transportation equipment	357,473	364,900	31,191	32,984	30,810	31,391	27,610	28,399	26,814	32,498	29,095	36,241	33,223	r36,427	32,728	.....
Aircraft, missiles, and parts	126,216	104,672	10,322	10,535	8,886	9,921	7,089	7,367	6,569	10,388	6,114	9,959	6,602	r9,988	6,406	.....
Nondurable goods industries, total	1,400,543	1,428,943	117,419	118,378	118,888	121,378	122,446	117,504	120,150	119,475	120,155	123,056	122,895	r123,168	123,971	.....
Industries with unfilled orders ‡	341,602	342,381	28,575	28,495	28,225	28,689	29,409	27,964	28,160	29,091	28,845	29,404	29,384	r28,951	28,500	.....
Industries without unfilled orders ◊	1,058,941	1,086,562	88,844	89,883	90,663	92,689	93,037	89,540	91,990	90,384	91,310	93,652	93,511	r94,217	95,471	.....
By market category:																
Home goods and apparel	182,049	201,657	15,862	16,477	16,347	16,814	17,192	16,900	16,938	17,673	17,596	18,376	18,960	r18,562	18,475	.....
Consumer staples	648,860	659,587	53,795	54,294	54,593	56,209	56,580	53,997	56,386	54,888	55,613	57,011	56,301	r56,217	57,367	.....
Machinery and equipment	448,541	467,604	39,828	38,249	39,213	39,210	37,781	36,984	38,810	40,220	38,013	44,027	40,710	r44,658	41,010	.....
Automotive equipment	104,138	118,222	9,487	9,775	9,822	9,700	9,544	9,874	9,621	10,019	10,563	11,709	11,638	r12,024	11,876	.....
Construction materials and supplies	169,809	184,160	14,991	15,313	15,209	15,396	15,379	15,283	15,786	15,605	15,679	16,116	16,126	r17,054	16,268	.....
Other materials, supplies, and intermediate products	926,755	950,157	77,812	79,674	78,174	80,143	80,242	78,473	78,269	79,302	80,122	83,285	83,345	r83,779	82,737	.....
Supplementary series:																
Household durables	80,283	85,943	6,714	7,269	6,905	6,952	7,388	7,161	7,266	7,635	7,634	7,550	7,633	r7,593	7,326	.....
Capital goods industries	452,000	446,836	38,893	38,002	36,323	38,120	34,926	34,615	35,741	39,104	35,356	41,999	39,153	r40,927	37,816	.....
Nondefense	358,342	365,368	32,163	29,901	30,469	30,953	29,296	28,153	30,571	31,665	28,597	34,044	30,355	r34,567	30,982	.....
Defense	93,658	81,468	6,730	8,101	5,854	7,167	5,630	6,462	5,170	7,439	6,759	7,955	8,798	r6,360	6,834	.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
1. GENERAL BUSINESS INDICATORS—Continued																
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued ††																
[Millions of dollars]																
Unfilled orders, end of period (unadjusted), total	502,265	469,792	500,481	499,574	496,093	491,103	487,247	481,181	474,918	473,628	468,300	469,792	474,838	r477,527	472,249	.....
Durable goods industries, total	479,724	447,579	476,853	475,894	472,711	467,905	463,647	457,579	451,723	450,798	445,942	447,579	452,142	r454,419	448,958	.....
Nondurable goods industries with unfilled orders ‡	22,541	22,213	23,628	23,680	23,382	23,198	23,600	23,602	23,195	22,830	22,358	22,213	22,696	r23,108	23,291	.....
Unfilled orders, end of period (seasonally adjusted) total	505,631	472,751	497,263	496,285	493,502	490,792	485,883	481,749	475,862	476,248	471,514	472,751	474,748	r475,859	470,326	.....
By industry group:																
Durable goods industries, total #	482,208	449,714	473,964	472,874	470,338	467,671	462,743	458,755	453,210	453,350	448,516	449,714	451,372	r452,477	447,252	.....
Primary metals	21,784	20,427	20,886	20,835	20,729	20,943	21,065	21,291	20,298	19,943	19,715	20,427	21,821	r22,710	23,503	.....
Blast furnaces, steel mills	8,738	8,214	8,030	8,023	8,006	8,127	8,122	8,088	7,749	7,605	7,561	8,214	9,260	r10,108	10,988	.....
Nonferrous and other primary metals	10,072	9,362	10,056	10,047	9,873	9,958	10,125	10,383	9,805	9,571	9,358	9,362	9,661	r9,704	9,739	.....
Fabricated metal products	24,469	23,497	24,433	23,891	23,492	23,291	22,802	22,544	22,949	23,346	23,324	23,497	23,559	r23,528	23,023	.....
Industrial machinery and equipment	53,398	50,739	53,321	52,846	52,302	51,919	51,547	51,170	51,332	51,259	51,014	50,739	50,996	r51,481	51,247	.....
Electronic and other electrical equipment	42,307	42,884	41,849	41,835	41,759	41,943	41,957	42,007	42,296	42,679	42,700	42,884	44,074	r43,458	42,460	.....
Transportation equipment	269,367	244,034	263,201	263,697	262,627	261,183	257,219	253,945	249,180	249,219	244,286	244,034	241,954	r242,163	238,303	.....
Aircraft, missiles, and parts	234,666	213,511	229,522	229,303	228,277	227,160	224,107	221,668	218,154	218,474	214,142	213,511	210,358	r210,719	207,237	.....
Nondurable goods industries with unfilled orders ‡	23,423	23,037	23,299	23,411	23,164	23,121	23,140	22,994	22,652	22,898	22,998	23,037	23,376	r23,382	23,074	.....
By market category:																
Home goods and apparel	10,076	10,249	9,274	9,437	9,286	9,608	9,689	9,790	9,653	10,111	10,259	10,249	10,586	r10,701	10,623	.....
Consumer staples	1,244	1,341	1,260	1,266	1,259	1,253	1,299	1,290	1,302	1,344	1,330	1,341	1,321	1,365	1,369	.....
Machinery and equipment	214,466	200,435	212,773	211,722	212,185	210,500	208,375	205,811	204,174	204,054	200,454	200,435	198,450	r200,173	196,759	.....
Automotive equipment	1,689	1,616	1,676	1,727	1,741	1,725	1,700	1,674	1,660	1,626	1,641	1,616	1,653	r1,664	1,638	.....
Construction materials and supplies	14,004	14,056	13,961	14,048	14,007	13,991	13,935	13,907	13,957	14,092	14,075	14,056	14,356	r14,741	14,534	.....
Other materials, supplies, and intermediate products	123,368	118,244	121,734	121,843	120,604	119,762	119,270	118,771	117,782	117,579	117,164	118,244	120,482	r120,737	119,779	.....
Supplementary series:																
Household durables	5,691	5,552	5,139	5,314	5,201	5,193	5,228	5,195	5,213	5,501	5,622	5,552	5,608	r5,627	5,422	.....
Capital goods industries	377,920	346,811	372,241	370,961	368,841	366,074	361,077	356,776	352,155	351,893	346,858	346,811	345,592	r345,662	341,060	.....
Nondefense	235,027	219,290	233,698	232,703	232,569	230,692	228,141	225,121	223,659	223,570	219,434	219,290	216,945	r218,515	214,912	.....
Defense	142,893	127,521	138,543	138,258	136,272	135,382	132,936	131,655	128,496	128,323	127,424	127,521	128,647	r127,147	126,148	.....
BUSINESS INCORPORATIONS @																
[Number]																
New incorporations (50 States and DC):																
Unadjusted	628,567	.....	62,282	58,111	52,664	58,260	57,056	49,913	54,749	52,987	47,612	.....	.....	.....	.....	.....
Seasonally adjusted	.....	.....	57,403	54,462	48,673	58,730	56,942	51,245	59,179	52,462	55,557	.....	.....	.....	.....	.....
INDUSTRIAL AND COMMERCIAL FAILURES @																
[For failures, number; for liabilities, millions of dollars]																
Failures, total	88,140	96,857	r9,143	8,643	7,741	8,437	8,580	7,923	7,522	7,959	7,123	6,850	7,654	7,062	8,422	.....
Commercial service	22,852	26,821	r2,503	2,473	2,196	2,257	2,406	2,317	2,114	2,249	1,931	1,915	2,122	2,067	2,218	.....
Construction	11,963	12,380	r1,186	1,110	1,057	1,157	1,091	973	943	1,004	858	799	901	870	1,064	.....
Manufacturing and mining	7,006	7,504	r736	626	570	648	629	611	572	564	550	523	588	513	1,705	.....
Retail trade	17,242	19,005	r1,849	1,683	1,430	1,635	1,628	1,573	1,432	1,545	1,455	1,300	1,487	1,301	1,495	.....
Wholesale trade	6,170	6,726	r623	565	491	567	586	551	525	549	481	435	574	492	587	.....
Liabilities (current), total	96,825.3	91,289.4	r6,322.2	r1,992.0	12,020.2	13,932.0	3,575.0	9,031.7	3,215.7	7,863.0	3,982.9	8,136.8	6,174.9	2,406.7	4,343.0	.....
Commercial service	13,967.0	12,322.5	r997.5	629.6	2,551.7	1,057.6	997.2	732.1	744.6	861.9	1,126.3	649.7	792.5	825.4	852.4	.....
Construction	5,156.2	5,042.4	r380.5	2,756.9	197.9	190.3	320.3	159.1	138.0	138.7	111.4	128.8	137.9	158.4	669.1	.....
Manufacturing and mining	8,754.4	8,681.3	r655.1	1,938.3	520.9	180.4	325.4	1,901.0	169.3	404.4	238.9	1,253.7	1,304.5	175.9	701.7	.....
Retail trade	6,972.2	8,203.8	r536.5	799.6	635.9	483.3	345.8	1,394.6	346.3	3,219.0	246.6	920.1	1,860.5	202.5	250.2	.....
Wholesale trade	4,370.4	8,427.1	r307.1	95.2	4,499.7	125.4	231.7	1,740.0	206.6	311.8	138.7	73.1	538.8	296.2	561.3	.....
Failure annual rate, number per 10,000 concerns	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2. COMMODITY PRICES																
PRICES RECEIVED AND PAID BY FARMERS †																
[1910–14=100]																
Prices received, all farm products	665	637	661	644	643	640	630	633	631	633	623	628	634	640	r647	661
Crops #	558	525	579	546	533	528	506	505	506	501	499	510	508	509	502	530
Commercial vegetables	675	r762	1,024	r747	613	600	681	773	778	826	702	835	823	882	r767	1,015
Cotton	553	r446	425	r448	441	480	467	454	444	445	431	458	445	447	r469	459
Feed grains and hay	371	r364	390	r389	393	390	369	348	343	330	329	328	337	335	r347	358
Food grains	316	382	417	408	407	382	354	339	358	358	366	368	374	368	r363	358
Fruit	969	r680	825	r763	753	718	566	599	589	581	628	599	540	503	r438	493
Tobacco	1,559	1,517	1,648	1,409	1,409	1,409	1,348	1,439	1,587	1,582	1,591	1,587	1,565	1,622	r1,622	1,457
Livestock and products #	776	755	745	r748	758	757	760	768	762	772	752	751	766	778	r799	798
Dairy products	749	801	764	764	789	807	820	826	826	820	801	783	764	752	r746	759
Meat animals	1,047	r994	998	r1,003	1,011	1,000	996	1,007	994	1,016	973	984	1,022	1,053	r1,083	1,075
Poultry and eggs	283	266	254	253	257	259	267	272	273	273	290	282	279	275	297	298
Prices paid:																
Production items	1,004	1,006	.....	1,006	.....	.....	1,012	.....	.....	1,011	.....	.....	1,019	.....	.....	1,038
All commodities and services, interest, taxes, and wage rates (parity index)	1,298	1,317	.....	1,317	.....	.....	1,324	.....	.....	1,323	.....	.....	r1,337	.....	.....	1,355
Parity ratio §	51	48	50	49	49	49	48	48	48	48	47	47	47	.....	.....	49
CONSUMER PRICES																
[1982–84=100]																
Not seasonally adjusted:																
All items, wage earners and clerical workers (CPI-W)	134.3	138.2	137.0	137.3	137.6	138.1	138.4	138.8	139.1	139.6	139.8	139.8	140.3	140.7	141.1	141.6
All items, all urban consumers (CPI-U)	136.2	140.3	139.3	139.5	139.7	140.2	140.5	140.9	141.3	141.8	142.0	141.9	142.6	143.1	143.6	144.0
Special group indexes:																
All items less shelter	133.5	137.3	136.2	136.6	136.9	137.2	137.3	137.7	138.4	138.9	139.2	139.1	139.5	140.0	140.5	140.9
All items less food	136.1	140.8	139.5	139.7	140.1	140.7	141.1	141.4	141.8	142.4	142.7	142.5	143.1	143.7	144.2	144.6
All items less medical care	133.8	137.5	136.5	136.7	136.9	137.4	137.6	138.0	138.4	138.8	139.0	138.9	139.5	140.0	140.4	140.8

See footnotes at end of tables.

2. COMMODITY PRICES—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
CONSUMER PRICES—Continued																
[1982–84=100, unless otherwise indicated]																
Not seasonally adjusted—Continued																
All items (CPI-U)—Continued																
Commodities	126.6	129.1	128.4	128.8	129.1	129.2	129.0	129.3	129.9	130.3	130.5	130.1	130.4	130.9	131.4	131.9
Nondurables	130.3	132.8	132.1	132.4	132.8	132.8	132.5	133.0	133.8	134.2	134.2	133.6	133.9	134.7	135.3	135.8
Nondurables less food	124.5	127.6	126.2	126.8	128.0	128.1	127.8	127.9	129.1	129.8	129.8	128.5	128.1	129.4	130.3	130.9
Durables	116.0	118.6	117.9	118.2	118.4	118.5	118.6	118.5	118.5	119.2	120.0	120.1	120.0	120.0	120.2	120.6
Commodities less food	121.3	124.2	123.0	123.5	124.4	124.5	124.3	124.3	125.1	125.7	126.1	125.3	125.1	125.8	126.4	127.0
Services	146.3	152.0	150.7	150.8	150.9	151.7	152.5	153.0	153.2	153.7	154.0	154.2	155.2	155.8	156.2	156.5
Food #	136.3	137.9	138.1	138.1	137.4	137.4	137.2	138.0	138.5	138.3	138.3	138.7	139.8	139.9	140.1	140.6
Food at home	135.8	136.8	137.5	137.4	136.2	136.1	135.7	136.9	137.4	137.2	137.0	137.5	139.1	139.1	139.4	140.0
Housing	133.6	137.5	136.6	136.5	136.7	137.7	138.3	138.6	138.4	138.5	138.5	138.5	139.3	139.7	140.2	140.4
Shelter #	146.3	151.2	150.4	150.2	150.2	151.1	151.8	152.3	151.9	152.5	152.4	152.5	153.7	154.4	154.8	155.0
Rent, residential	143.3	146.9	146.4	146.2	146.3	146.6	147.0	147.0	147.2	148.0	148.6	148.6	148.9	149.1	149.1	149.7
Homeowners' cost, *Dec. 1982=100*	150.2	155.3	154.1	154.2	154.4	155.0	155.5	155.8	156.0	156.8	157.2	157.5	158.2	158.5	158.7	159.2
Fuel and other utilities #	115.3	117.8	115.8	115.8	116.8	119.0	119.4	119.4	119.8	118.5	118.3	118.7	119.2	118.4	119.5	119.6
Fuel oil and other household fuel commodities	94.6	90.7	90.5	89.9	89.8	90.1	90.0	89.7	89.7	91.4	92.1	91.8	92.3	92.5	92.8	92.6
Gas (piped) and electricity	112.6	114.8	111.5	111.3	113.0	117.4	117.6	117.5	118.5	115.4	114.8	115.6	115.9	113.8	115.1	115.3
Household furnishings and operation	116.0	118.0	117.7	118.0	117.9	118.2	118.4	118.3	118.3	118.4	118.5	118.2	118.2	118.6	118.7	119.2
Apparel and upkeep	128.7	131.9	133.4	133.3	133.1	131.0	129.2	130.2	133.3	135.0	134.5	131.4	129.7	133.4	136.2	136.9
Transportation	123.8	126.5	124.4	125.2	126.3	126.9	127.2	126.9	126.8	128.0	129.2	129.0	129.1	129.2	129.0	129.4
Private	121.9	124.6	122.2	122.9	124.3	125.4	125.5	125.4	125.4	126.1	127.0	126.7	126.6	126.5	126.3	126.8
New cars	125.3	128.4	128.2	128.2	128.4	128.2	127.8	127.6	127.4	128.2	129.7	130.5	130.9	130.9	130.9	131.1
Used cars	118.1	123.2	115.7	117.9	120.5	123.1	124.8	126.4	127.7	129.1	129.9	129.0	127.4	126.0	126.6	128.7
Public	148.9	151.4	153.5	154.7	151.6	145.3	148.3	146.7	145.6	152.9	157.4	158.2	161.6	164.1	163.5	162.8
Medical care	177.0	190.1	187.3	188.1	188.7	189.4	190.7	191.5	192.3	193.3	194.3	194.7	196.4	198.0	198.6	199.4
Seasonally adjusted																
All items, *percent* change from previous month or year	[1] 4.2	3.0	.4	.3	.1	.2	.3	.2	.1	.4	.2	.1	.5	.3	.1	.4
Commodities	.....	.....	128.5	128.6	128.8	129.1	129.4	129.6	129.7	130.0	130.1	130.2	130.8	131.3	131.4	131.8
Commodities less food	.....	.....	123.4	123.6	124.1	124.5	125.0	124.9	124.9	125.3	125.4	125.3	126.0	126.7	126.8	127.0
Food	.....	.....	138.0	138.1	137.5	137.6	137.5	138.3	138.7	138.7	138.8	139.2	139.7	139.9	140.1	140.6
Food at home	.....	.....	137.1	137.1	136.1	136.0	135.8	137.0	137.5	137.5	137.5	138.1	138.6	138.9	139.0	139.6
Apparel and upkeep	.....	.....	131.5	130.8	131.8	132.1	132.7	132.4	131.9	132.4	132.3	131.9	133.0	135.0	134.3	134.3
Transportation	.....	.....	125.4	125.9	126.1	126.5	127.1	126.9	126.9	127.8	128.4	128.5	129.3	129.9	130.0	130.2
Private	.....	.....	123.4	123.8	124.3	125.1	125.6	125.5	125.6	126.0	126.2	126.3	126.9	127.4	127.6	127.8
New cars	.....	.....	127.5	127.9	128.1	128.3	128.5	128.9	129.2	129.2	129.4	129.5	129.8	129.8	130.1	130.7
Services	.....	.....	150.6	151.1	151.4	151.8	152.2	152.6	152.9	153.7	154.2	154.7	155.3	155.8	156.2	156.9
PRODUCER PRICES §																
[1982=100 unless otherwise indicated]																
Not seasonally adjusted:																
All commodities	116.5	117.2	116.1	116.3	117.2	118.0	117.9	117.7	118.0	118.1	117.8	117.6	118.0	118.2	118.7	119.2
By stage of processing:																
Crude materials for further processing	101.2	r100.4	97.9	98.8	101.2	102.1	101.7	100.6	102.4	101.9	101.8	r100.9	101.4	101.1	102.6	103.6
Intermediate materials, supplies, and components	114.4	114.7	113.6	113.8	114.5	115.4	115.5	115.5	115.8	115.4	115.0	r114.8	115.3	115.5	115.9	116.2
Finished goods #	121.7	123.2	122.2	122.4	123.2	123.9	123.7	123.6	123.3	124.4	124.0	123.8	124.0	124.3	124.6	125.3
Finished consumer goods	120.5	r121.7	120.4	120.7	121.7	122.6	122.4	122.2	122.2	122.9	122.4	r122.2	122.3	122.6	123.0	123.9
Capital equipment	126.7	129.1	128.9	129.1	129.0	128.9	128.8	128.9	128.1	130.2	130.2	r130.2	130.4	130.9	130.9	130.9
By durability of product:																
Durable goods	122.9	r124.4	124.2	124.3	124.4	124.3	124.3	124.4	124.1	125.0	124.8	r125.1	125.5	126.1	126.3	126.6
Nondurable goods	111.7	r111.9	110.1	110.6	112.0	113.3	113.1	112.7	113.5	113.1	112.6	112.2	112.5	112.5	113.1	113.8
Total manufactures	119.0	120.1	119.2	119.7	120.3	120.6	120.5	120.4	120.4	120.9	120.8	120.5	120.9	121.4	121.8	122.3
Durable manufactures	122.7	124.3	124.1	124.2	124.2	124.2	124.2	124.3	124.0	125.0	124.9	r125.1	125.4	126.0	126.3	126.6
Nondurable manufactures	115.2	115.8	114.3	115.1	116.3	117.0	116.7	116.4	116.8	116.8	116.6	116.0	116.4	116.9	117.3	118.1
Farm products, processed foods and feeds	116.4	115.9	116.7	115.8	117.0	116.9	115.8	115.4	115.3	115.4	115.0	r116.2	116.2	116.2	117.3	118.9
Farm products	105.7	103.6	106.4	103.2	105.8	104.7	102.5	102.2	101.6	102.7	101.8	r103.7	104.3	104.4	106.3	109.4
Foods and feeds, processed	121.9	r122.1	121.8	122.0	122.5	123.0	122.4	122.1	122.1	121.8	121.6	r122.4	122.1	122.1	122.8	123.5
Industrial commodities	116.5	117.4	115.9	116.4	117.3	118.2	118.3	118.1	118.5	118.6	118.3	117.9	118.3	118.6	118.9	119.2
Chemicals and allied products	125.6	125.9	124.4	124.8	125.2	126.0	126.4	126.7	127.0	127.1	127.5	r127.0	127.5	128.2	127.6	128.5
Fuels and related prod., and power	81.2	80.4	75.8	77.1	79.7	83.2	83.3	82.8	84.4	83.2	82.1	r79.7	79.7	79.2	79.8	80.1
Furniture and household durables	121.2	122.2	121.9	122.0	122.1	122.2	122.2	122.2	122.4	122.3	122.6	122.6	122.5	122.9	123.0	123.2
Hides, skins, and leather products	138.9	140.4	139.8	139.9	140.7	140.8	140.1	140.8	140.9	141.0	140.6	r142.0	143.7	142.6	143.0	143.8
Lumber and wood products	132.0	146.6	145.7	147.5	147.6	146.3	145.3	145.4	148.7	148.7	149.5	r154.4	160.1	168.9	177.5	182.3
Machinery and equipment	123.0	123.3	123.6	123.4	123.4	123.2	123.1	123.2	123.2	123.3	123.4	r123.5	123.7	123.9	123.9	123.9
Metals and metal products	120.3	119.2	119.4	119.6	119.5	119.6	120.0	120.2	119.6	118.8	118.2	118.5	118.9	119.2	119.0	118.6
Nonmetallic mineral products	117.2	117.3	117.3	116.9	116.9	117.0	117.1	117.4	117.4	117.4	117.7	117.8	118.2	118.6	118.7	119.4
Pulp, paper, and allied products	143.0	145.2	144.4	144.9	145.2	145.1	145.2	145.4	145.8	146.1	145.9	r145.9	146.4	146.7	147.3	147.4
Rubber and plastics products	115.2	115.1	114.3	114.6	114.9	115.0	115.2	115.3	115.5	115.7	115.8	r115.7	116.7	116.4	115.6	115.8
Textile products and apparel	116.3	117.8	117.7	117.8	117.7	117.9	117.8	117.8	118.0	118.1	118.0	118.0	118.1	118.0	118.1	118.1
Transportation equipment #	126.4	130.4	130.0	130.2	130.2	130.1	130.2	130.0	128.5	132.3	132.2	r132.1	132.2	132.7	132.8	133.0
Motor vehicles and equipment	122.1	124.9	124.9	124.8	124.7	124.3	124.4	123.9	121.3	127.1	127.1	r126.9	126.9	127.5	127.6	127.6
Seasonally adjusted:																
Finished goods, *percent* change from previous month or year	[1] 2.1	1.2	.2	.2	.3	.2	0	.1	.2	–.1	–.1	.1	.2	.4	.4	.6
By stage of processing:																
Crude materials for further processing	.....	.....	97.1	98.1	100.1	101.5	101.6	100.9	103.0	102.7	102.6	r101.5	101.9	101.4	101.8	103.0
Intermediate materials, supplies, and components	.....	.....	113.9	114.1	114.5	115.3	115.3	115.3	115.5	115.2	114.9	r114.9	115.3	115.9	116.3	116.5
Finished goods #	.....	.....	122.5	122.8	123.2	123.5	123.5	123.6	123.9	124.0	123.8	123.8	124.0	124.5	125.0	125.7
Finished consumer goods	.....	.....	120.9	121.1	121.6	122.1	122.1	122.1	122.5	122.6	122.3	122.3	122.5	123.0	123.5	124.3
Foods	.....	.....	123.0	122.6	122.5	122.8	122.7	123.6	124.1	124.2	123.5	r125.1	123.9	123.8	124.4	126.2
Finished goods, exc. foods	.....	.....	119.8	120.3	121.0	121.5	121.6	121.2	121.5	121.8	121.6	120.9	121.6	122.4	122.9	123.3
Durable	.....	.....	125.7	125.9	125.8	125.5	126.0	126.3	126.0	125.3	125.9	126.0	126.6	127.1	127.4	128.0
Nondurable	.....	.....	115.9	116.5	117.6	118.4	118.4	117.7	118.3	118.9	118.4	117.4	118.1	118.9	119.6	119.9
Capital equipment	.....	.....	128.8	129.1	129.2	129.1	129.2	129.5	129.5	129.3	129.5	r129.7	130.0	130.6	130.8	131.0
PURCHASING POWER OF THE DOLLAR																
As measured by:																
Producer prices, *1982=$1.00*	.822	.812	.818	.817	.812	.807	.808	.809	.811	.805	.806	.808	.806	.805	.803	.798
Consumer prices, *1982–84=$1.00*	.734	.713	.718	.717	.716	.713	.712	.710	.708	.705	.704	.705	.701	.699	.697	.695

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
3. CONSTRUCTION AND REAL ESTATE																
CONSTRUCTION PUT IN PLACE ‡																
[Millions of dollars]																
New construction (unadjusted), total	400,956	r426,657	30,723	33,981	36,665	38,965	39,650	40,765	40,495	39,879	37,412	33,243	r29,367	r29,290	32,151	...
Private, total #	290,706	r308,246	22,626	24,934	26,344	28,260	28,263	28,581	28,412	28,852	27,365	24,506	r22,219	r22,068	24,335	...
Residential	157,835	183,208	12,424	14,602	15,981	17,281	17,539	18,124	17,534	17,909	16,838	14,444	r13,166	r12,544	14,592	...
New housing units	110,592	r129,992	9,299	10,251	10,919	11,711	12,085	12,468	12,428	12,451	12,039	10,320	r9,417	r8,876	10,323	...
Nonresidential buildings, except farm and public utilities, total #	97,841	85,507	7,182	7,071	7,127	7,663	7,406	7,153	7,471	7,527	7,224	6,739	5,999	r6,429	6,571	...
Industrial	22,280	20,173	1,886	1,744	1,768	1,767	1,727	1,551	1,659	1,647	1,603	1,626	1,372	r1,489	1,588	...
Commercial	48,480	40,417	3,301	3,268	3,286	3,710	3,518	3,432	3,634	3,617	3,454	3,066	2,788	r3,015	2,908	...
Public utilities: Telecommunications	8,816	9,184	781	883	739	775	779	728	798	829	730	839	r666	749	...	...
Public, total #	110,249	r118,409	8,097	9,047	10,321	10,705	11,387	12,184	12,083	11,027	10,047	8,737	r7,148	r7,222	7,816	...
Buildings (excl. military) #	50,475	r52,928	4,167	4,375	4,709	4,588	5,006	5,050	4,809	4,513	4,122	3,820	r3,470	r3,524	3,768	...
Housing and redevelopment	3,496	r3,275	297	290	266	279	292	291	246	252	254	233	217	r247	216	...
Industrial	1,823	r1,885	162	145	147	160	134	149	213	157	159	176	r147	r135	168	...
Military facilities	1,837	r2,484	212	194	222	209	198	203	264	203	218	207	r205	202	198	...
Highways and streets	29,918	32,759	1,478	2,062	2,869	3,320	3,451	4,098	4,100	3,598	3,033	2,002	1,259	r1,294	1,602	...
[Billions of dollars]																
New construction (seasonally adjusted at annual rates), total	...	...	421.5	427.6	428.0	426.7	425.7	419.6	429.3	432.3	436.1	439.9	r441.3	r446.4	442.7	...
Private, total #	...	...	301.1	309.8	307.0	312.2	305.8	302.0	308.8	315.9	317.5	320.7	r327.8	r331.5	327.7	...
Residential	...	...	172.7	182.6	182.9	184.6	181.2	184.2	186.3	192.6	194.8	198.5	r204.8	r205.0	204.5	...
New housing units	...	...	125.9	128.8	128.1	128.7	126.9	129.1	131.4	134.9	137.3	140.2	140.6	r140.7	140.6	...
Nonresidential buildings, except farm and public utilities, total #	...	...	90.6	87.4	85.6	88.8	85.7	79.5	83.3	84.3	84.7	82.6	r82.4	r86.1	83.3	...
Industrial	...	...	23.7	21.3	21.0	20.3	20.6	17.9	19.0	18.6	19.1	18.7	r18.8	r19.4	19.5	...
Commercial	...	...	42.1	40.7	39.6	43.3	40.0	37.0	39.3	40.2	40.4	38.3	39.3	r41.2	38.0	...
Public utilities: Telecommunications	...	...	9.5	10.7	8.9	8.9	9.1	8.3	9.0	9.2	8.1	9.5	r10.4	10.0	...	...
Public, total #	...	...	120.4	117.8	121.0	114.5	119.9	117.6	120.5	116.4	118.7	119.2	r113.6	r114.9	115.0	...
Buildings (excl. military) #	...	...	55.4	53.2	56.2	51.6	54.4	51.9	52.9	53.1	50.5	49.6	r48.6	r48.0	49.6	...
Housing and redevelopment	...	...	3.6	3.5	3.2	3.3	3.5	3.5	2.9	3.0	3.0	2.8	2.6	r3.0	2.6	...
Industrial	...	...	1.9	1.7	1.8	1.9	1.6	1.8	2.6	1.9	1.9	2.1	1.8	1.6	2.0	...
Military facilities	...	...	2.5	2.3	2.7	2.5	2.4	2.4	3.2	2.4	2.6	2.5	2.5	2.4	2.4	...
Highways and streets	...	...	30.9	31.4	32.6	31.5	32.7	33.5	34.7	32.1	34.6	31.2	r29.8	r31.3	32.0	...
CONSTRUCTION CONTRACTS																
[Millions of dollars, unless otherwise indicated]																
Construction contracts (F.W. Dodge Division, McGraw-Hill): Valuation, total	221,230	238,953	22,037	r23,344	19,787	23,409	21,678	20,170	20,566	23,836	16,530	16,387	16,380	16,312	21,521	22,098
Index (mo. data seas. adj.), *1987=100* §§	[1]89	97	99	99	91	95	r94	93	96	105	98	r95	r103	97	r95	94
Public ownership	74,422	74,892	7,770	r6,726	6,101	7,492	7,074	6,037	6,586	7,198	5,318	4,719	5,303	5,780	6,943	7,299
Private ownership	146,806	164,059	14,266	r16,618	13,686	15,917	14,603	14,133	13,979	16,638	11,212	11,668	11,076	10,532	14,579	14,798
By type of building: Nonresidential	76,898	79,331	7,091	r7,788	5,893	8,042	7,073	6,662	6,764	8,336	5,622	5,262	5,146	5,056	6,486	6,479
Residential	96,353	109,590	9,801	r10,378	9,481	10,729	9,874	9,167	9,597	10,925	7,740	8,092	7,092	7,413	10,080	10,815
Non-building construction	47,978	50,033	5,145	r5,178	4,413	4,638	4,731	4,341	4,205	4,575	3,168	3,033	4,142	3,842	4,956	4,803
New construction planning (Engineering News-Record) §	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
HOUSING STARTS AND PERMITS																
[Thousands]																
New housing units started: Unadjusted: Total (private and public)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Privately owned	1,013.9	1,199.7	111.6	107.6	115.2	117.8	106.2	109.9	106.0	111.8	84.5	78.6	70.5	r74.6	r97.0	120.1
One-family structures	840.4	1,029.9	90.9	93.5	100.2	102.7	93.2	91.8	91.4	96.1	74.8	67.9	62.8	65.5	r86.6	106.2
Seasonally adjusted at annual rates: Total privately owned	...	...	1,318	1,095	1,197	1,141	1,106	1,229	1,218	1,226	1,226	1,286	1,171	r1,180	r1,137	1,213
One-family structures	...	...	1,050	939	1,019	994	961	1,038	1,045	1,079	1,089	1,133	1,051	r1,036	r1,000	1,063
New private housing units authorized by building permits (17,000 permit-issuing places): Monthly data are seas. adj. at annual rates: Total	r946	r1,099	r1,082	r1,040	r1,053	r1,048	r1,083	r1,081	r1,120	r1,141	r1,136	r1,196	r1,157	r1,141	r1,034	1,094
One-family structures	754	918	r896	r858	r877	r878	r882	r885	r918	r954	r963	r1,037	r972	r957	r871	919
Manufacturers' shipments of mobile homes: Unadjusted	170.9	210.3	16.1	17.6	17.0	18.2	18.0	19.1	19.8	21.6	18.5	17.5	17.2	18.2	21.0	...
Seasonally adjusted at annual rates	...	...	197	199	189	194	211	198	219	226	244	266	267	262	247	...
CONSTRUCTION COST INDEXES																
Bureau of the Census, *1987=100*: Composite fixed-weighted price index *	111.2	111.8	110.9	111.1	111.1	111.7	112.0	111.9	112.5	113.1	113.4	113.7	113.9	114.5	115.5	...
Implicit price deflator *	111.8	112.3	110.9	111.3	111.3	112.0	112.5	112.5	112.9	113.5	113.8	114.4	114.6	115.1	116.1	...
Boeckh indexes, *1987=100* ◊: Average, 20 cities: Apartments, hotels, office buildings ©	112.0	114.9	114.1	...	115.8	...	117.4	...	115.3	...	115.7	...	116.6	...	...	...
Commercial and factory buildings ©	114.2	117.4	116.6	...	117.1	...	117.7	...	117.8	...	117.9	...	118.4	...	...	...
Residences ©	113.0	116.7	115.4	...	116.1	...	116.9	...	117.4	...	118.3	...	118.9	...	...	...
Engineering News-Record, *1967=100*: Building	407.2	419.4	414.4	415.9	418.6	420.0	421.1	422.4	422.8	424.4	425.2	425.5	427.2	427.1	431.5	[2]440.5
Construction	450.1	464.1	458.6	460.5	462.2	462.9	464.7	468.5	469.4	470.3	470.9	471.0	472.1	472.0	475.4	[2]481.0
Federal Highway Adm.—Highway construction, *1987=100*: Composite (avg. for year or qtr.)	107.5	...	102.9	...	...	110.4	...	...	99.9	...	...	107.0	...	...	109.7	...

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
3. CONSTRUCTION AND REAL ESTATE—Continued																
REAL ESTATE ◊																
[Thousands of units]																
Mortgage applications for new home construction:																
FHA applications	98.0	94.1	10.1	9.4	7.9	7.7	8.8	7.5	7.1	7.3	7.1	6.5	5.7	7.0	7.7	8.2
Seasonally adjusted annual rates	...	...	101	99	86	83	101	94	90	96	110	95	84	90	73	83
Requests for VA appraisals	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Seasonally adjusted annual rates	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
[Millions of dollars]																
Home mortgages insured or guaranteed by:																
Fed. Hous. Adm.: Face amount	46,990.04	48,315.15	3,559.84	3,620.34	3,910.67	4,603.26	4,797.76	4,588.95	4,319.72	3,497.24	3,914.13	4,730.80	4,937.40	5,160.00	6,492.00	5,076.00
Vet. Adm.: Face amount §	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Federal Home Loan Banks, outstanding advances to member institutions, end of period	79,065	79,881	76,275	76,008	76,409	76,860	76,194	77,078	80,158	79,349	80,954	79,881	79,327	82,260	84,970	88,602
New mortgage loans of SAIF-insured institutions, estimated total @	[2] 143,674	...	21,916	19,609	16,384	16,350	14,427	15,723	18,823	...	...	...	...	...	...	...
By purpose of loan:																
Home construction	12,261	...	1,138	1,348	1,314	1,371	1,288	1,110	1,175	...	...	...	...	...	...	...
Home purchase	[2] 125,594	...	20,230	17,797	14,642	14,401	12,692	14,177	16,344	...	...	...	...	...	...	...
All other purposes	[2] 5,819	...	540	463	428	577	447	436	1,305	...	...	...	...	...	...	...
4. DOMESTIC TRADE																
ADVERTISING																
[Millions of dollars]																
Magazine advertising (Leading National Advertisers):																
Cost, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Apparel and accessories	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Automotive, incl. accessories	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Building materials	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Drugs and toiletries	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Foods, soft drinks, confectionery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beer, wine, liquors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Houshold equipment, supplies, furnishings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial materials	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Soaps, cleansers, etc	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Smoking materials	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.):																
Total	30,348	30,667	...	...	7,756	...	...	7,465	...	...	8,784	...	...	...	...	...
Classified	10,587	10,759	...	...	2,594	...	...	2,699	...	...	3,201	...	...	...	...	...
National	3,924	3,835	...	...	1,085	...	...	914	...	...	879	...	...	...	...	...
Retail	15,838	16,073	...	...	4,077	...	...	3,852	...	...	4,703	...	...	...	...	...
WHOLESALE TRADE ÷																
[Millions of dollars]																
Merchant wholesalers sales (unadj.), total	r1,771,614	1,828,041	155,919	152,207	146,801	156,221	155,906	152,291	157,384	163,877	150,562	156,341	145,650	r143,500	167,535	...
Durable goods establishments	r859,492	904,522	77,657	75,277	71,534	79,133	76,869	75,870	78,780	82,073	75,185	77,587	71,901	r72,246	84,890	...
Nondurable goods establishments	r912,122	923,519	78,262	76,930	75,267	77,088	79,037	76,421	78,604	81,804	75,377	78,754	73,749	r71,254	82,645	...
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total	r202,509	210,419	203,569	203,263	199,866	202,282	202,882	200,923	201,722	207,292	209,844	210,419	214,152	r212,595	213,494	...
Durable goods establishments	r127,357	132,650	128,532	129,870	129,666	130,698	131,408	131,493	131,206	131,792	132,688	132,650	134,061	r134,533	135,997	...
Nondurable goods establishments	r75,152	77,769	75,037	73,393	70,200	71,584	71,474	69,430	70,516	75,500	77,156	77,769	80,091	r78,062	77,497	...
RETAIL TRADE ‡																
[Millions of dollars]																
All retail stores:																
Estimated sales (unadj.), total	1,865,477	1,962,423	154,738	159,068	165,756	164,627	166,011	166,341	160,612	168,729	167,175	204,100	148,525	r145,341	r164,893	169,607
Durable goods stores #	653,900	705,096	56,463	58,709	60,479	62,783	62,095	59,579	59,501	60,629	56,691	67,850	52,647	r52,415	r61,538	64,562
Building materials, hardware, garden supply, and mobile home dealers	95,229	103,031	7,939	9,092	9,926	9,843	9,503	8,971	9,107	9,198	7,982	8,282	6,841	r6,962	r8,278	9,470
Automotive dealers	368,943	398,067	33,479	34,433	34,722	36,699	36,177	33,705	34,097	34,662	30,615	31,120	30,168	r30,757	r37,274	39,032
Furniture, home furnishings, and equipment	98,612	105,844	8,235	8,078	8,220	8,505	8,746	8,714	8,565	8,975	9,472	12,654	8,611	r8,029	r8,939	8,573
Nondurable goods stores	1,211,577	1,257,327	98,275	100,359	105,277	101,844	103,916	106,762	101,111	108,100	110,484	136,250	95,878	r92,926	r103,355	105,045
General merch. group stores	228,473	247,354	17,872	18,737	19,976	18,779	18,537	20,507	18,734	20,950	25,086	37,290	16,098	r16,345	r19,085	20,212
Food stores	376,892	384,013	30,807	31,340	32,868	32,107	33,656	32,672	31,279	32,497	31,450	34,958	31,404	r29,498	r31,888	32,084
Gasoline service stations	134,100	133,000	10,376	10,539	11,475	11,655	11,940	11,886	11,279	11,670	11,087	11,237	10,402	r10,003	r10,966	11,065
Apparel and accessory stores	97,464	104,994	7,573	8,444	8,486	8,115	8,100	9,374	8,491	9,114	9,815	14,876	6,687	r6,489	r7,829	8,831
Eating and drinking places	196,875	201,866	16,766	16,450	17,521	16,779	17,225	17,808	16,590	17,658	16,578	17,251	15,947	r15,381	r17,184	17,442
Drug and proprietary stores	75,883	77,285	6,365	6,511	6,420	6,273	6,266	6,276	6,056	6,405	6,134	8,066	6,152	r6,202	r6,648	6,641
Liquor stores	23,990	25,619	1,874	1,940	2,169	2,140	2,265	2,214	2,109	2,212	2,173	2,893	1,873	r1,770	1,891	...
Estimated sales (seas. adj.), total	...	...	r160,048	r160,182	161,282	161,133	162,316	163,224	164,211	167,603	167,291	169,155	169,232	r169,116	r167,720	169,700
Durable goods stores #	...	...	r57,281	r57,073	57,553	57,777	58,352	58,369	59,172	61,051	60,610	61,873	62,216	r60,978	r60,775	62,087
Bldg. materials, hardware, garden supply, and mobile home dealers #	...	...	r8,544	r8,593	8,598	8,387	8,437	8,384	8,618	8,745	8,623	9,069	8,943	r8,974	r8,766	8,834
Building materials and supply stores	...	...	r6,176	6,146	6,168	6,032	6,106	6,097	6,269	6,348	6,229	6,504	6,471	r6,590	6,499	...
Hardware stores	...	...	r1,053	r1,043	1,073	1,056	1,079	1,092	1,089	1,074	1,078	1,072	1,069	r1,058	1,058	...
Automotive dealers	...	...	r32,280	r32,063	32,407	32,619	32,881	32,789	33,282	34,924	34,671	34,952	35,274	r34,731	r34,868	35,908
Motor vehicle and miscellaneous auto dealers	...	...	r29,429	r29,284	29,618	29,816	30,036	29,960	30,419	31,979	31,746	32,024	32,329	r31,682	r31,938	32,917
Auto and home supply stores	...	...	r2,851	r2,779	2,789	2,803	2,845	2,829	2,863	2,945	2,925	2,928	2,945	r3,049	r2,930	2,991
Furniture, home furnishings, and equipment #	...	...	r8,602	r8,513	8,503	8,619	8,770	8,788	8,812	9,019	9,081	9,429	9,398	r9,182	r9,142	9,072
Furniture, home furnishings stores	...	...	r4,439	r4,408	4,446	4,547	4,625	4,618	4,604	4,622	4,633	4,828	4,732	r4,628	4,576	...
Household appliance, radio, and TV stores	...	...	r3,342	r3,309	3,272	3,280	3,331	3,377	3,394	3,550	3,601	3,617	3,689	r3,621	3,622	...

See footnotes at end of tables.

4. DOMESTIC TRADE—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
RETAIL TRADE ÷—Continued																
[Millions of dollars—Continued]																
All retail stores—Continued																
Estimated sales (seas. adj.)—Continued																
Nondurable goods stores	...	...	r102,767	r103,109	103,729	103,356	103,964	104,855	105,039	106,552	106,681	107,282	107,016	r108,138	r106,945	107,613
General merch. group stores	...	...	r19,997	r20,038	20,155	20,180	20,461	20,757	20,871	21,074	21,111	20,981	21,623	r21,638	r21,164	21,622
Department stores excluding leased departments	...	...	r15,151	r15,174	15,322	15,310	15,531	15,717	15,809	15,987	16,060	16,006	16,491	r16,296	r15,835	16,266
Variety stores	...	...	r569	r562	560	555	538	531	534	543	540	548	525	r534	525	...
Food stores	...	...	r31,532	r31,807	31,647	31,785	31,930	32,197	31,815	32,195	32,306	32,683	32,543	r32,887	r32,267	32,372
Grocery stores	...	...	29,684	r29,902	29,723	29,838	29,979	30,254	29,865	30,227	30,408	30,536	30,504	r30,864	r30,322	30,412
Gasoline service stations	...	...	r10,980	r11,024	11,195	11,207	11,232	11,088	11,058	11,072	11,054	11,082	11,173	r11,537	r11,519	11,647
Apparel and accessory stores #	...	...	r8,370	r8,400	8,583	8,639	8,774	8,749	8,835	8,967	9,037	9,120	9,100	r8,900	r8,524	8,752
Men's and boys' clothing and furnishings stores	...	...	r775	r758	767	771	761	757	749	758	758	752	763	r768	741	...
Women's clothing, specialty stores, and furriers	...	...	r3,044	r3,072	3,243	3,136	3,108	3,181	3,200	3,244	3,276	3,362	3,392	r3,275	3,079	...
Shoe stores	...	...	r1,460	r1,454	1,489	1,493	1,508	1,500	1,490	1,475	1,435	1,413	1,392	1,396	1,351	...
Eating and drinking places	...	...	r16,850	r16,516	16,623	16,026	16,083	16,550	16,843	17,363	17,414	17,549	17,315	r17,205	r17,253	17,338
Drug and proprietary stores	...	...	r6,468	r6,511	6,465	6,427	6,433	6,457	6,395	6,437	6,311	6,282	6,442	r6,662	r6,641	6,621
Liquor stores	...	...	r2,057	r2,084	2,141	2,134	2,137	2,162	2,204	2,230	2,199	2,135	2,097	r2,080	2,049	...
Estimated inventories, end of period:																
Book value (non-LIFO basis), (unadjusted), total	242,150	256,642	246,155	250,849	248,822	248,060	250,363	249,860	256,592	270,282	276,098	256,642	254,569	r259,815	268,487	...
Durable goods stores #	120,954	132,710	122,932	125,972	126,098	125,688	124,561	122,981	124,662	130,497	134,966	132,710	131,189	r134,725	139,359	...
Bldg. materials, hardware, garden supply, and mobile home dealers	16,911	18,088	18,749	19,357	19,267	18,781	18,713	18,439	18,357	18,563	18,253	18,088	18,717	r19,774	20,826	...
Automotive dealers	62,344	67,551	62,471	63,922	63,607	63,269	61,123	58,982	58,906	61,070	64,292	67,551	66,595	r69,143	71,507	...
Furniture, home furnishings, and equipment	18,746	21,330	18,806	18,988	19,075	19,088	19,302	19,643	20,394	21,891	22,906	21,330	20,608	r20,075	20,852	...
Nondurable goods stores #	121,196	123,932	123,223	124,877	122,724	122,372	125,802	126,879	131,930	139,785	141,132	123,932	123,380	r125,090	129,128	...
General merch. group stores	42,262	44,604	44,609	45,863	44,302	44,078	45,882	46,689	50,284	54,935	55,579	44,604	45,185	r46,621	49,500	...
Department stores excluding leased departments	33,374	35,045	35,515	36,349	35,149	34,774	36,124	36,793	39,366	43,022	43,584	35,045	35,589	r36,861	39,066	...
Food stores	26,571	27,298	25,792	26,084	26,306	26,387	26,345	25,872	26,235	27,389	27,850	27,298	26,864	r26,542	26,856	...
Apparel and accessory stores	18,392	20,066	19,867	20,346	20,027	19,650	21,023	21,992	22,402	23,641	24,094	20,066	19,923	r20,919	21,641	...
Book value (non-LIFO basis), (seas. adj.), total	245,885	260,647	r247,329	251,566	250,942	252,568	254,984	254,145	254,884	255,540	256,895	260,647	262,427	r265,718	269,830	...
Durable goods stores #	119,828	131,549	r122,113	125,405	125,217	125,844	127,018	127,334	126,900	127,760	128,884	131,549	132,861	r135,599	138,517	...
Bldg. materials, hardware, garden supply, and mobile home dealers	17,597	18,822	18,063	18,648	18,402	18,163	18,676	18,625	18,693	19,117	18,856	18,822	19,316	r19,715	20,064	...
Automotive dealers	59,535	64,485	r60,922	63,022	62,692	63,016	62,969	63,172	62,315	62,077	62,590	64,485	65,617	r67,696	69,789	...
Furniture, home furn., and equipment	18,935	21,567	r19,092	19,297	19,405	19,537	19,797	19,902	19,975	20,251	21,015	21,567	21,245	r21,043	21,170	...
Nondurable goods stores #	126,057	129,098	r125,216	126,161	125,725	126,724	127,966	126,811	127,984	127,780	128,011	129,098	129,566	r130,119	131,313	...
General merch. group stores	45,986	48,538	r45,356	46,210	46,000	46,561	47,185	46,951	47,734	47,769	47,905	48,538	48,883	r49,498	50,385	...
Department stores excluding leased departments	36,197	38,010	36,019	36,422	36,386	36,798	37,318	37,315	37,671	37,508	37,411	38,010	38,350	r38,924	39,661	...
Food stores	26,158	26,849	r26,032	26,316	26,348	26,478	26,608	26,385	26,556	26,697	26,730	26,849	26,909	r26,963	27,122	...
Apparel and accessory stores	20,211	22,051	20,376	20,552	20,519	20,490	20,898	20,965	21,035	21,241	21,667	22,051	22,285	r22,020	22,196	...
Firms with 11 or more stores:																
Estimated sales (unadj.), total	r767,107	r813,203	r62,374	r64,546	r67,715	r65,042	r65,714	r68,120	r64,461	r69,157	r73,374	r98,124	r60,222	58,466	66,072	...
Durable goods stores	r102,965	r112,352	r8,360	r8,735	r9,397	r9,394	r9,265	r9,214	r9,016	r9,325	r9,844	r14,801	r8,210	7,848	9,123	...
Auto and home supply stores	r11,213	r11,881	r930	r988	r1,025	r1,055	r1,086	r1,037	r1,018	r1,082	r981	r995	r877	886	1,032	...
Nondurable goods stores #	r664,142	r700,851	r54,014	r55,811	r58,318	r55,648	r56,449	r58,906	r55,445	r59,832	r63,530	r83,323	r52,012	50,618	56,949	...
General merchandise group stores	r216,366	r234,973	r16,985	r17,743	r18,936	r17,810	r17,558	r19,505	r17,754	r19,873	r23,941	r35,693	r15,290	15,590	18,202	...
Food stores	r224,518	r228,424	r18,547	r18,777	r19,502	r18,686	r19,686	r19,142	r18,438	r19,355	r18,708	r20,885	r18,939	17,723	19,195	...
Grocery stores	r220,915	r224,559	r18,240	r18,434	r19,192	r18,382	r19,383	r18,854	r18,158	r19,053	r18,431	r20,335	r18,676	17,438	18,904	...
Apparel and accessory stores	r61,060	r66,291	r4,793	r5,365	r5,326	r5,102	r4,950	r5,912	r5,335	r5,671	r6,307	r9,910	r4,009	3,930	4,917	...
Eating places	r45,588	r48,056	r3,957	r3,994	r4,255	r4,015	r4,180	r4,242	r3,944	r4,189	r3,942	r4,050	r3,909	3,699	4,094	...
Drug stores and proprietary stores	r46,025	r47,794	r3,867	r4,022	r3,977	r3,879	r3,781	r3,823	r3,704	r3,924	r3,805	r5,408	r3,804	3,806	4,037	...
Estimated sales (sea. adj.), total	...	...	r66,265	r66,784	r67,264	r67,213	r67,600	r68,093	r68,182	r68,855	r68,711	r68,757	r70,063	70,517	69,527	...
Auto and home supply stores	...	...	r971	r973	r974	r976	r981	r976	r993	r1,005	r1,002	r999	r1,040	1,092	1,058	...
Department stores excluding leased departments	...	...	r14,878	r14,938	r15,080	r15,089	r15,294	r15,482	r15,570	r15,756	r15,844	r15,770	r16,308	16,078	15,695	...
Variety stores	...	...	r362	r377	r380	r381	r376	r376	r385	r386	r372	r378	r367	374	360	...
Grocery stores	...	...	r18,518	r18,677	r18,597	r18,568	r18,620	r18,968	r18,585	r18,735	r18,788	r18,846	r18,922	19,269	18,923	...
Apparel and accessory stores	...	...	r5,361	r5,307	r5,386	r5,464	r5,559	r5,474	r5,592	r5,667	r5,647	r5,792	r5,750	5,557	5,383	...
Women's clothing, specialty stores, and furriers	...	...	r1,930	r1,907	r1,948	r1,934	r1,882	r1,959	r1,952	r2,004	r1,976	r2,091	r2,102	2,013	1,965	...
Shoe stores	...	...	r979	r946	r978	r991	r1,014	r1,011	r1,009	r1,013	r986	r1,004	r995	995	954	...
Drug stores and proprietary stores	...	...	r3,991	r4,030	r4,033	r3,995	r3,963	r3,966	r3,957	4,008	r3,911	r3,913	r3,996	4,101	4,094	...

5. LABOR FORCE, EMPLOYMENT, AND EARNINGS

	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
LABOR FORCE AND POPULATION																
[Thousands, unless otherwise indicated]																
Not seasonally adjusted:																
Noninstitutional population, persons 16 years of age and over	191,329	193,142	192,607	192,745	192,881	193,025	193,190	193,356	193,513	193,683	193,847	194,026	194,159	194,298	194,456	194,618
Labor force @	126,867	128,548	127,382	127,455	128,279	130,572	131,168	130,039	128,610	128,398	128,618	128,419	127,549	128,017	128,179	127,983
Resident Armed Forces	1,564	1,566	1,585	1,577	1,574	1,570	1,568	1,566	1,566	1,552	1,531	1,517	1,515	1,512	1,497	1,492
Civilian noninstitutional population	189,765	191,576	191,022	191,168	191,307	191,455	191,622	191,790	191,947	192,131	192,316	192,509	192,644	192,786	192,959	193,126
Civilian labor force, total	125,303	126,982	125,797	125,878	126,705	129,002	129,600	128,473	127,044	126,846	127,087	126,902	126,034	126,505	126,682	126,491
Employed	116,877	117,598	116,106	116,933	117,535	118,907	119,754	119,082	117,953	118,246	118,239	118,073	116,123	116,735	117,406	117,856
Unemployed	8,426	9,384	9,691	8,945	9,169	10,095	9,845	9,390	9,090	8,600	8,848	8,829	9,911	9,770	9,276	8,635
Seasonally adjusted: ◊																
Civilian labor force, total	...	...	126,548	126,743	127,039	127,298	127,350	127,404	127,274	127,066	127,365	127,591	127,083	127,327	127,429	127,341
Participation rate, *percent* ÷	66.0	66.3	66.2	66.3	66.4	66.5	66.5	66.4	66.3	66.1	66.2	66.3	66.0	66.0	66.0	65.9
Employed, total	...	...	117,264	117,518	117,580	117,510	117,722	117,780	117,724	117,687	118,064	118,311	118,071	118,451	118,565	118,416
Employment-population ratio, *percent* ÷	61.6	61.4	61.4	61.5	61.5	61.4	61.4	61.4	61.3	61.3	61.4	61.5	61.3	61.4	61.4	61.3
Agriculture	3,233	3,207	3,194	3,206	3,186	3,244	3,207	3,218	3,221	3,169	3,209	3,262	3,191	3,116	3,082	3,060
Nonagriculture	113,644	114,391	114,070	114,312	114,394	114,266	114,515	114,562	114,503	114,518	114,855	115,049	114,879	115,335	115,483	115,356
Unemployed, total	...	...	9,284	9,225	9,459	9,788	9,628	9,624	9,550	9,379	9,301	9,280	9,013	8,876	8,864	8,925
Long term, 15 weeks and over	2,323	3,354	3,185	3,072	3,349	3,432	3,547	3,547	3,522	3,564	3,446	3,605	3,317	3,143	3,073	2,926

See footnotes at end of tables.

5. LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
LABOR FORCE—Continued																
Seasonally adjusted ◊—Continued																
Civilian labor force—Continued																
Unemployed—Continued																
Rates ‡:																
All civilian workers	6.7	7.4	7.3	7.3	7.4	7.7	7.6	7.6	7.5	7.4	7.3	7.3	7.1	7.0	7.0	7.0
Men, 20 years and over	6.3	7.0	7.0	6.9	7.2	7.3	7.2	7.2	7.1	7.2	6.9	6.8	6.4	6.5	6.7	6.4
Women, 20 years and over	5.7	6.3	6.1	6.2	6.2	6.3	6.4	6.4	6.4	6.2	6.2	6.4	6.4	6.0	5.7	6.0
Both sexes, 16-19 years	18.6	20.0	20.2	19.4	19.9	22.8	20.6	19.9	20.4	18.9	20.2	19.2	19.7	19.6	19.5	20.7
White	6.0	6.5	6.5	6.4	6.5	6.8	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.1	6.0
Black	12.4	14.1	13.9	13.8	14.5	14.5	14.4	14.2	13.9	14.1	14.0	14.2	14.2	13.1	13.5	13.8
Hispanic origin	9.9	11.4	11.3	10.4	11.3	11.8	11.8	11.3	11.6	11.7	12.0	11.7	11.6	11.4	11.4	10.4
Married men, spouse present	4.4	5.0	4.9	4.8	5.0	5.1	5.2	5.3	5.2	5.1	4.9	4.8	4.5	4.5	4.7	4.5
Married women, spouse present	4.5	5.0	4.9	5.0	5.0	5.2	5.2	5.0	5.0	5.1	5.0	5.0	4.9	4.4	4.3	4.8
Women who maintain families	9.1	9.9	9.9	10.0	9.9	10.1	10.3	10.3	9.1	9.3	10.4	10.3	10.6	10.2	9.0	9.6
Industry of last job:																
Private nonagricultural wage and salary workers	7.0	7.7	7.7	7.6	7.7	7.9	7.8	7.9	7.8	7.8	7.5	7.5	7.3	7.2	7.2	7.2
Construction	15.4	16.7	17.3	16.6	16.9	17.4	17.0	17.0	17.4	16.1	14.5	15.7	14.3	13.7	15.3	14.5
Manufacturing	7.2	7.8	7.4	7.6	7.7	8.1	8.2	8.0	8.1	8.2	8.0	7.2	7.3	7.2	7.3	7.2
Durable goods	7.5	8.0	7.5	7.6	7.8	8.1	8.4	8.3	8.4	8.9	8.5	7.5	7.3	6.9	7.0	7.2
Agricultural wage and salary workers	11.6	12.3	10.5	10.9	13.3	12.8	13.8	11.4	14.3	12.5	13.5	12.2	11.6	13.1	12.1	11.2
Not seasonally adjusted:																
Occupation:																
Managerial and professional specialty	2.8	3.1	2.9	2.8	3.2	3.3	3.4	3.7	3.5	3.1	2.8	3.0	3.3	3.4	3.0	2.8
Technical, sales, and administrative support	5.1	5.8	5.7	5.4	5.7	6.0	6.1	6.1	6.0	5.8	5.4	5.4	6.0	5.5	5.2	5.2
Service occupations	7.5	8.1	8.1	8.1	8.3	8.6	7.9	8.0	8.0	7.8	8.0	7.6	8.7	8.0	7.7	7.3
Precision production, craft, and repair	7.9	8.8	11.2	9.1	8.3	8.3	7.5	7.4	7.5	7.2	7.9	8.7	9.9	10.2	9.9	9.1
Operators, fabricators, and laborers	10.5	11.0	12.6	11.4	10.7	10.7	10.7	10.0	9.7	9.6	10.0	9.9	11.9	12.1	11.8	10.1
Farming, forestry, and fishing	7.6	8.1	8.9	6.5	6.3	6.5	6.7	6.7	7.9	7.0	10.0	10.4	12.1	12.6	10.3	7.7
EMPLOYMENT §																
[Thousands]																
Employees on nonfarm payrolls by industry:																
Total, not adjusted for seas. variation	108,310	108,437	107,359	108,140	108,876	109,378	108,298	108,244	108,952	109,400	109,592	109,534	107,352	r107,873	r108,304	109,038
Private sector (excl. government)	89,930	89,858	88,477	89,248	89,953	90,746	90,668	90,746	90,580	90,530	90,511	90,546	88,730	r88,895	r89,221	89,967
Seasonally adjusted:																
Total employees, nonfarm payrolls	108,310	108,437	108,200	108,377	108,496	108,423	108,594	108,485	108,497	108,571	108,646	108,752	108,865	r109,203	r109,194	109,313
Private sector (excl. government)	89,930	89,858	89,693	89,835	89,950	89,885	89,988	89,803	89,847	89,948	89,961	90,067	90,201	r90,511	r90,494	90,601
Nonmanufacturing industries	71,475	71,668	71,415	71,556	71,675	71,649	71,746	71,658	71,745	71,902	71,893	72,005	72,109	r72,399	r72,406	72,578
Goods-producing	23,830	23,420	23,532	23,530	23,548	23,470	23,459	23,362	23,296	23,270	23,280	23,263	23,267	r23,374	r23,293	23,214
Mining	691	635	651	646	641	634	633	626	620	623	622	619	616	r605	607	603
Construction	4,685	4,595	4,603	4,605	4,632	4,600	4,584	4,591	4,574	4,601	4,590	4,582	4,559	r4,657	r4,598	4,588
Manufacturing	18,455	18,190	18,278	18,279	18,275	18,236	18,242	18,145	18,102	18,046	18,068	18,062	18,092	18,112	r18,088	18,023
Durable goods	10,602	10,339	10,417	10,409	10,398	10,371	10,347	10,298	10,271	10,231	10,247	10,238	10,265	r10,274	r10,246	10,198
Lumber and wood products	679	687	689	688	687	684	683	682	683	689	695	697	696	704	r702	694
Furniture and fixtures	472	465	465	467	467	469	470	465	461	461	461	462	463	r467	466	465
Stone, clay and glass products	524	519	518	520	522	521	521	520	520	518	518	519	517	r524	521	518
Primary metal industries	726	703	710	708	707	706	702	701	699	695	695	693	694	r694	r692	688
Fabricated metal products	1,359	1,335	1,342	1,341	1,343	1,338	1,335	1,334	1,330	1,323	1,323	1,323	1,331	1,335	1,335	1,331
Industrial machinery and equipment	2,007	1,946	1,948	1,949	1,959	1,954	1,947	1,941	1,943	1,935	1,935	1,933	1,936	r1,932	r1,930	1,930
Electronic and other electrical equipment	1,598	1,549	1,560	1,557	1,554	1,549	1,545	1,536	1,538	1,534	1,537	1,537	1,540	r1,545	r1,548	1,544
Transportation equipment	1,891	1,827	1,863	1,859	1,842	1,836	1,829	1,816	1,797	1,782	1,790	1,788	1,805	r1,791	r1,770	1,748
Instruments and related products	980	943	956	952	949	946	943	938	935	930	927	921	920	r917	r915	914
Miscellaneous manufacturing	366	366	366	368	368	368	372	365	365	364	366	365	363	r365	367	366
Nondurable goods	7,852	7,851	7,861	7,870	7,877	7,865	7,895	7,847	7,831	7,815	7,821	7,824	7,827	r7,838	r7,842	7,825
Food and kindred products	1,672	1,670	1,671	1,677	1,678	1,671	1,685	1,672	1,661	1,661	1,664	1,664	1,671	r1,675	r1,676	1,664
Tobacco manufactures	49	49	49	50	49	49	49	51	50	49	47	49	49	48	48	48
Textile mill products	672	678	682	682	679	680	682	675	677	672	675	678	676	678	r676	678
Apparel and other textile products	1,010	1,018	1,025	1,023	1,026	1,023	1,034	1,013	1,007	1,004	1,006	1,004	1,004	r1,004	r1,003	997
Paper and allied products	688	688	687	689	691	689	689	687	692	688	688	686	685	685	685	683
Printing and publishing	1,541	1,521	1,519	1,521	1,522	1,520	1,522	1,521	1,523	1,520	1,518	1,520	1,515	1,520	1,520	1,519
Chemicals and allied products	1,072	1,071	1,071	1,072	1,073	1,073	1,070	1,072	1,069	1,069	1,069	1,068	1,068	r1,065	r1,066	1,067
Petroleum and coal products	159	155	157	157	156	155	154	153	152	152	152	151	152	152	r151	151
Rubber and misc. plastics products	864	879	877	876	880	883	884	880	877	877	880	883	887	891	r896	898
Leather and leather products	125	123	123	123	123	122	126	123	123	123	122	121	120	r120	r121	120
Service-producing	84,480	85,017	84,668	84,847	84,948	84,953	85,135	85,123	85,201	85,301	85,366	85,489	85,598	r85,829	r85,901	86,099
Transportation and public utilities	5,772	5,742	5,754	5,746	5,745	5,745	5,742	5,729	5,738	5,731	5,732	5,742	5,763	r5,771	r5,770	5,768
Wholesale trade	6,069	5,983	5,997	5,993	5,993	5,988	5,972	5,964	5,957	5,969	5,976	5,970	5,995	r6,002	r6,009	6,008
Retail trade	19,259	19,138	19,092	19,177	19,150	19,156	19,184	19,106	19,122	19,146	19,116	19,162	19,227	r19,361	r19,342	19,363
Finance, insurance, and real estate	6,678	6,672	6,675	6,682	6,681	6,672	6,660	6,661	6,669	6,680	6,669	6,677	6,682	r6,681	r6,680	6,697
Services	28,323	28,903	28,643	28,707	28,833	28,854	28,971	28,981	29,065	29,152	29,188	29,253	29,267	r29,322	r29,400	29,551
Government	18,380	18,579	18,507	18,542	18,546	18,538	18,606	18,682	18,650	18,623	18,685	18,685	18,664	r18,692	r18,700	18,712
Federal	2,966	2,969	2,989	2,986	2,984	2,972	2,957	2,959	2,967	2,942	2,940	2,971	2,943	r2,943	r2,935	2,927
State	4,346	4,371	4,345	4,360	4,367	4,357	4,388	4,383	4,401	4,390	4,384	4,389	4,394	r4,398	r4,401	4,411
Local	11,067	11,239	11,173	11,196	11,195	11,209	11,261	11,340	11,282	11,291	11,361	11,325	11,327	r11,351	r11,364	11,374
Production or nonsupervisory workers on private nonfarm payrolls, **not seas. adjusted**	72,705	72,809	71,437	72,203	72,873	73,623	73,558	73,659	73,530	73,526	73,523	73,572	71,853	r72,017	r72,319	73,013
Manufacturing, **not seas. adjusted**	12,467	12,345	12,263	12,309	12,359	12,455	12,350	12,445	12,458	12,383	12,345	12,295	12,185	r12,192	r12,199	12,192
Production or nonsupervisory workers on private nonfarm payrolls	72,705	72,809	72,592	72,777	72,887	72,859	72,918	72,766	72,810	72,953	72,966	73,105	73,296	r73,572	r73,530	73,567
Goods-producing	16,533	16,306	16,373	16,383	16,407	16,347	16,348	16,262	16,209	16,207	16,225	16,228	16,258	r16,357	r16,290	16,222
Mining	491	450	461	457	452	449	447	444	440	443	442	439	438	r428	r428	424
Construction	3,575	3,511	3,506	3,514	3,545	3,520	3,509	3,511	3,499	3,529	3,509	3,505	3,478	r3,578	r3,524	3,507
Manufacturing	12,467	12,345	12,406	12,412	12,410	12,378	12,392	12,307	12,270	12,235	12,274	12,284	12,342	r12,351	r12,338	12,291
Durable goods	6,988	6,859	6,909	6,903	6,896	6,876	6,867	6,828	6,809	6,789	6,819	6,822	6,867	r6,869	r6,850	6,819
Lumber and wood products	556	563	565	565	564	560	560	558	559	565	571	573	572	580	r577	569
Furniture and fixtures	371	367	367	369	369	370	372	366	363	364	363	365	366	368	368	367
Stone, clay, and glass products	405	401	400	403	404	404	403	402	402	400	400	401	399	406	402	399
Primary metal industries	547	531	535	535	533	532	532	531	529	527	526	526	527	r527	r527	523
Fabricated metal products	994	979	984	985	985	981	979	979	975	970	974	971	982	984	983	981
Industrial machinery and equipment	1,198	1,164	1,161	1,165	1,172	1,169	1,164	1,161	1,166	1,160	1,165	1,165	1,166	r1,168	r1,165	1,168
Electronic and other electrical equipment	1,004	984	988	986	988	986	983	977	977	976	980	981	979	985	989	986
Transportation equipment	1,170	1,144	1,173	1,164	1,149	1,146	1,144	1,135	1,120	1,111	1,127	1,129	1,167	r1,140	r1,128	1,115
Instruments and related products	482	462	470	465	465	463	463	458	456	455	451	449	449	r449	r447	448
Miscellaneous manufacturing	264	264	266	266	267	265	267	261	262	261	262	262	260	262	r264	263

See footnotes at end of tables.

5. LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
EMPLOYMENT §—Continued																
[Thousands]																
Seasonally adjusted—Continued																
Production or nonsupervisory workers—Continued																
Nondurable goods	5,479	5,486	5,497	5,509	5,514	5,502	5,525	5,479	5,461	5,446	5,455	5,462	5,475	r5,482	r5,488	5,472
Food and kindred products	1,208	1,214	1,211	1,222	1,221	1,218	1,229	1,216	1,204	1,205	1,211	1,212	1,220	1,221	1,221	1,210
Tobacco manufactures	36	37	37	37	37	37	37	39	37	37	35	37	37	36	36	36
Textile mill products	576	581	586	585	583	582	583	578	580	573	577	579	577	578	r575	578
Apparel and other textile products	845	852	858	857	861	856	867	848	843	840	840	841	843	r841	r842	837
Paper and allied products	518	518	517	519	521	519	519	517	521	518	517	516	517	517	r517	515
Printing and publishing	850	841	841	842	842	840	841	840	841	838	838	840	838	841	r842	840
Chemicals and allied products	579	565	568	567	568	567	563	563	560	561	559	560	561	r561	r564	565
Petroleum and coal products	103	101	103	103	102	101	101	100	100	100	100	99	100	100	100	98
Rubber and misc. plastics products	663	678	676	676	679	683	684	679	676	675	679	681	686	r690	r694	697
Leather and leather products	101	100	100	101	100	99	101	99	99	99	99	97	96	97	r97	96
Service-producing	56,172	56,503	56,219	56,394	56,480	56,512	56,570	56,504	56,601	56,746	56,741	56,877	57,038	r57,215	r57,240	57,345
Transportation and public utilities	4,798	4,791	4,795	4,791	4,790	4,794	4,789	4,770	4,789	4,786	4,789	4,805	4,827	r4,836	r4,834	4,827
Wholesale trade	4,862	4,806	4,805	4,810	4,815	4,813	4,800	4,791	4,791	4,803	4,814	4,807	4,832	r4,840	r4,844	4,841
Retail trade	16,987	16,844	16,808	16,874	16,872	16,874	16,883	16,815	16,833	16,839	16,828	16,878	16,944	r17,067	r17,036	17,025
Finance, insurance, and real estate	4,818	4,822	4,820	4,826	4,826	4,818	4,811	4,812	4,823	4,830	4,831	4,836	4,846	r4,846	r4,845	4,851
Services	24,707	25,240	24,991	25,093	25,177	25,213	25,287	25,316	25,365	25,488	25,479	25,551	25,589	r25,626	r25,681	25,801
AVERAGE HOURS PER WEEK §																
[Hours]																
Seasonally adjusted:																
Average weekly hours per worker on private nonfarm payrolls: ◊																
Not seasonally adjusted	34.3	34.4	34.3	34.2	34.4	34.6	34.6	35.0	34.3	34.5	34.6	34.5	34.0	34.2	r34.0	34.2
Seasonally adjusted	.....	.....	34.5	34.3	34.6	34.3	34.3	34.6	34.3	34.5	34.6	34.3	34.5	34.4	34.3	34.4
Mining	44.4	44.0	44.3	44.2	44.3	43.4	43.7	44.4	43.8	44.0	44.3	43.7	44.3	r43.8	r43.4	43.9
Construction ‡	38.1	38.0	37.3	38.2	38.9	38.9	38.9	39.0	37.1	39.0	37.5	37.2	36.1	r36.6	r37.4	37.7
Manufacturing:																
Not seasonally adjusted	40.7	41.0	40.9	40.4	41.1	41.2	40.7	41.1	41.0	41.3	41.6	41.9	41.1	41.1	40.9	40.9
Seasonally adjusted	.....	.....	41.1	41.1	41.3	41.0	41.0	41.0	40.9	41.1	41.2	41.2	41.4	41.5	41.2	41.5
Overtime hours	3.6	3.8	3.8	3.9	4.1	3.8	3.8	3.7	3.5	3.8	3.9	3.9	4.0	r4.2	3.9	4.3
Durable goods	41.1	41.5	41.6	41.5	41.9	41.5	41.6	41.6	41.2	41.6	41.8	41.8	42.0	42.2	41.9	42.2
Overtime hours	3.5	3.7	3.7	3.8	4.1	3.8	3.8	3.7	3.4	3.8	3.9	3.9	4.1	4.4	4.1	4.6
Lumber and wood products	40.0	40.6	41.0	40.6	40.8	40.1	40.8	40.5	40.3	40.7	40.9	40.4	40.5	r41.0	r40.4	40.6
Furniture and fixtures	38.9	39.7	40.1	40.0	40.0	39.8	40.1	39.4	39.2	39.7	40.1	39.9	40.2	r40.4	r40.1	40.2
Stone, clay, and glass products	41.7	42.2	42.0	42.4	42.5	42.3	42.5	42.3	42.5	42.4	42.3	42.1	42.2	42.5	r42.1	42.5
Primary metal industries	42.2	43.0	43.0	43.2	43.6	43.2	43.1	43.1	42.7	42.8	43.0	43.4	43.7	44.0	r43.8	44.2
Fabricated metal products	41.2	41.6	41.6	41.3	41.9	41.6	41.9	41.6	41.1	41.7	41.8	41.8	42.0	42.2	r41.8	42.0
Industrial machinery and equipment	41.7	42.2	42.2	42.1	42.6	42.2	42.1	42.2	42.0	42.5	42.8	42.6	42.9	42.9	42.8	43.2
Electronic and other electrical equipment	40.7	41.2	41.2	41.0	41.5	41.1	41.3	41.2	41.0	41.3	41.6	41.5	41.7	41.9	r41.5	42.0
Transportation equipment	41.9	41.8	42.0	41.8	42.2	41.9	41.5	42.2	40.9	41.5	41.8	42.4	42.6	r42.8	r42.8	42.8
Instruments and related products	41.0	41.1	41.2	40.9	41.4	41.2	41.1	41.2	41.0	41.3	41.3	41.1	41.4	40.9	r41.1	41.5
Miscellaneous manufacturing	39.6	39.9	40.0	39.9	40.0	40.0	40.1	39.7	39.5	40.0	40.0	39.8	39.8	39.9	39.7	40.4
Nondurable goods	40.2	40.4	40.5	40.6	40.5	40.4	40.3	40.3	40.5	40.4	40.5	40.5	40.7	40.7	40.3	40.6
Overtime hours	3.7	3.8	3.9	4.1	4.1	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	r4.1	3.8	4.0
Food and kindred products	40.6	40.6	40.7	40.7	40.5	40.3	40.3	40.5	40.8	40.9	40.8	40.6	40.6	40.8	40.5	40.6
Tobacco manufactures ‡	39.1	38.6	39.1	38.0	38.2	39.5	38.1	39.1	38.7	38.5	37.9	39.6	38.6	r37.3	r35.9	35.4
Textile mill products	40.6	41.1	41.3	41.4	41.4	41.3	41.0	40.8	41.8	40.8	41.1	41.5	41.8	41.9	r40.0	42.0
Apparel and other textile products	37.0	37.2	37.4	37.2	37.3	37.2	37.2	37.2	37.4	37.4	37.6	37.4	37.6	37.6	r37.2	37.1
Paper and allied products	43.3	43.6	43.6	44.0	43.8	43.7	43.5	43.5	43.9	43.4	43.4	43.4	43.5	r43.8	r43.4	43.6
Printing and publishing	37.7	38.1	38.1	38.0	38.2	38.1	38.0	38.0	38.1	38.2	38.1	38.0	38.2	r38.1	38.1	38.5
Chemicals and allied products	42.9	43.1	43.1	43.1	43.4	43.2	43.1	43.1	42.9	42.8	42.9	42.9	43.0	43.0	42.9	42.9
Petroleum and coal products ‡	44.1	43.8	43.9	43.5	44.5	43.6	43.4	43.4	43.8	44.8	44.9	43.9	44.1	43.9	r43.5	44.6
Rubber and misc. plastics products	41.1	41.7	41.7	42.3	41.9	41.8	41.6	41.7	41.5	41.5	41.8	41.9	42.2	r42.2	r41.9	41.8
Leather and leather products	37.5	38.0	37.6	38.0	38.2	38.0	38.4	37.9	37.8	38.4	39.2	38.6	39.5	r39.6	r39.0	39.0
Transportation and public utilities	38.7	38.8	38.5	38.2	38.8	38.6	38.8	39.3	38.9	38.9	39.5	39.1	39.5	39.4	r39.6	39.3
Wholesale trade	38.1	38.2	38.3	38.3	38.3	38.1	38.0	38.5	38.0	38.1	38.5	38.0	38.2	38.1	37.9	38.1
Retail trade	28.6	28.8	28.8	28.6	28.8	28.6	28.5	28.9	28.9	28.9	29.0	28.7	28.8	28.8	28.2	28.7
Finance, insurance, and real estate ‡	35.7	35.8	36.2	35.7	35.6	35.6	35.6	36.3	35.5	35.6	36.2	35.7	35.7	35.7	r35.5	35.6
Services	32.4	32.5	32.6	32.4	32.6	32.4	32.4	32.7	32.1	32.5	32.6	32.3	32.4	32.3	32.4	32.4
AGGREGATE EMPLOYEE-HOURS §																
[Billions of hours]																
Seasonally adjusted:																
Employee-hours, wage and salary workers in nonagric. establishments, for 1 week in the month, seas adj. at annual rate	199.76	200.08	200.64	200.12	201.07	200.10	199.92	200.86	199.30	200.27	201.61	201.18	201.40	r202.30	r201.78	202.13
Total private sector	162.91	163.22	163.39	162.74	163.97	162.90	162.69	163.68	162.53	163.29	164.40	163.60	163.87	r164.49	r164.05	164.37
Mining	1.59	1.45	1.50	1.48	1.48	1.43	1.43	1.45	1.40	1.43	1.43	1.41	1.43	1.38	r1.37	1.37
Construction	9.29	9.07	9.07	9.15	9.37	9.16	9.15	9.09	9.09	9.07	8.97	8.98	8.84	r9.15	r9.11	9.02
Manufacturing	39.04	38.69	38.94	38.91	39.04	38.79	38.79	38.55	38.42	38.42	38.56	38.54	38.73	r38.84	r38.64	38.63
Transportation and public utilities	11.64	11.61	11.54	11.49	11.59	11.56	11.62	11.68	11.63	11.65	11.79	11.68	11.84	r11.86	r11.88	11.84
Wholesale trade	12.02	11.89	11.94	11.94	11.94	11.86	11.80	11.90	11.77	11.83	11.96	11.87	11.91	r11.89	r11.89	11.90
Retail trade	28.61	28.67	28.59	28.52	28.68	28.49	28.43	28.64	28.74	28.77	28.83	28.94	28.79	29.00	r28.79	28.90
Finance, insurance, and real estate	12.43	12.46	12.63	12.36	12.49	12.38	12.26	12.58	12.32	12.43	12.65	12.40	12.43	12.35	r12.35	12.40
Services	48.29	49.38	49.18	48.90	49.39	49.23	49.21	49.79	49.17	49.70	50.20	49.78	49.89	r50.02	r50.03	50.31
Government	36.84	36.86	37.25	37.38	37.10	37.20	37.23	37.17	36.77	36.98	37.21	37.58	37.54	r37.81	r37.73	37.77
[1982=100]																
Indexes of employee-hours (aggregate weekly): ◊																
Private nonfarm payrolls, total	120.5	121.1	121.0	120.7	121.7	120.8	120.8	121.7	120.5	121.4	122.1	121.3	122.0	r122.4	r121.8	122.3
Goods-producing	103.8	102.9	103.5	103.6	104.6	103.3	103.3	102.8	102.1	102.3	102.6	102.6	103.0	r104.0	r103.1	103.1
Mining	62.2	56.4	58.3	57.6	57.1	55.6	55.7	56.2	55.0	55.6	55.9	54.7	55.3	53.5	r53.0	53.1
Construction	123.7	121.1	120.6	121.9	125.2	122.4	122.3	121.8	121.3	121.4	119.8	120.0	117.8	r122.8	r121.9	120.3
Manufacturing	102.3	102.2	102.9	102.8	103.3	102.4	102.5	101.8	101.2	101.4	102.1	102.1	103.1	103.4	r102.5	102.8
Durable goods	99.6	98.7	99.7	99.2	100.1	99.0	99.0	98.4	97.2	97.9	98.8	98.8	100.0	100.4	99.5	99.8
Nondurable goods	106.1	106.9	107.4	107.8	107.8	107.2	107.4	106.6	106.8	106.2	106.6	106.7	107.4	r107.7	r106.6	107.1
Service-producing	128.0	129.2	128.9	128.4	129.4	128.7	128.7	130.2	128.8	130.0	130.8	129.6	130.6	r130.6	r130.1	130.9
Transportation and public utilities	113.5	113.7	112.9	112.0	113.7	113.2	113.7	114.7	114.0	113.9	115.7	114.9	116.6	r116.6	r117.1	116.0
Wholesale trade	113.5	112.6	112.8	112.9	113.0	112.4	111.8	113.1	111.6	112.2	113.6	112.0	113.1	r113.0	112.5	113.1
Retail trade	119.4	119.3	119.1	118.8	119.6	118.8	118.4	119.6	119.7	119.7	120.1	119.2	120.1	r120.9	r118.2	120.2
Finance, insurance, and real estate	118.9	119.3	120.5	118.3	119.0	118.4	117.6	120.6	118.2	119.7	121.4	118.9	119.8	119.1	r118.8	118.6
Services	145.2	148.7	147.9	147.6	149.0	148.3	148.7	150.3	147.8	150.3	150.8	149.8	150.5	r150.2	r151.0	151.7

See footnotes at end of tables.

5. LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
HOURLY AND WEEKLY EARNINGS §																
[Dollars]																
Average hourly earnings per worker, **not seas. adj.:** ◊																
Private nonfarm payrolls	10.33	10.59	10.54	10.54	10.55	10.53	10.53	10.56	10.66	10.69	10.73	10.71	10.78	10.78	r10.80	10.81
Mining	14.18	14.51	14.54	14.52	14.45	14.51	14.47	14.45	14.57	14.44	14.58	14.55	14.69	r14.57	r14.66	14.80
Construction	13.99	14.11	14.03	14.02	14.05	14.09	14.05	14.20	14.18	14.25	14.20	14.23	14.16	14.07	r14.23	14.21
Manufacturing	11.18	11.45	11.36	11.41	11.44	11.45	11.46	11.44	11.53	11.49	11.54	11.63	11.61	r11.61	11.63	11.71
Excluding overtime	10.71	10.94	10.89	10.96	10.94	10.93	10.96	10.91	11.00	10.95	11.00	11.07	11.10	r11.10	r11.13	11.19
Durable goods	11.75	12.02	11.92	11.95	12.02	12.04	12.03	12.04	12.09	12.07	12.12	12.22	12.19	r12.20	12.20	12.26
Excluding overtime	11.27	11.50	11.44	11.49	11.49	11.50	11.52	11.49	11.57	11.52	11.56	11.62	11.65	r11.65	r11.67	11.71
Lumber and wood products	9.24	9.43	9.34	9.35	9.40	9.41	9.46	9.49	9.48	9.52	9.49	9.50	9.45	r9.50	9.48	9.46
Furniture and fixtures	8.76	9.00	8.89	8.91	8.95	8.99	9.00	9.04	9.09	9.10	9.08	9.18	9.14	r9.10	r9.11	9.14
Stone, clay, and glass products	11.37	11.64	11.49	11.60	11.65	11.66	11.68	11.68	11.83	11.74	11.71	11.68	11.67	r11.71	11.73	11.84
Primary metal industries	13.34	13.67	13.48	13.64	13.65	13.69	13.77	13.74	13.93	13.73	13.76	13.82	13.76	r13.83	r13.78	13.97
Fabricated metal products	11.19	11.41	11.34	11.40	11.43	11.43	11.39	11.41	11.43	11.42	11.47	11.59	11.53	r11.54	r11.53	11.63
Industrial machinery and equipment	12.16	12.43	12.33	12.30	12.38	12.44	12.49	12.45	12.49	12.51	12.57	12.66	12.61	r12.64	r12.61	12.68
Electronic and other electrical equipment	10.71	11.01	10.92	10.98	10.99	11.06	11.05	11.03	11.05	11.04	11.06	11.14	11.14	r11.11	r11.11	11.19
Transportation equipment	14.74	15.16	14.99	14.97	15.17	15.18	15.12	15.21	15.27	15.28	15.36	15.50	15.43	r15.47	r15.58	15.60
Instruments and related products	11.65	11.93	11.84	11.88	11.86	11.90	11.93	11.93	12.03	12.04	12.10	12.16	12.13	r12.14	r12.19	12.25
Miscellaneous manufacturing	8.85	9.14	9.11	9.13	9.10	9.12	9.11	9.08	9.13	9.19	9.23	9.32	9.33	r9.31	r9.27	9.33
Nondurable goods	10.44	10.71	10.63	10.71	10.69	10.69	10.73	10.70	10.82	10.74	10.81	10.87	10.86	10.85	10.88	11.00
Excluding overtime	9.98	10.23	10.18	10.27	10.22	10.20	10.24	10.18	10.29	10.22	10.29	10.36	10.38	10.38	10.42	10.51
Food and kindred products	9.90	10.19	10.13	10.20	10.23	10.21	10.18	10.13	10.22	10.12	10.30	10.36	10.30	r10.28	r10.32	10.45
Tobacco manufactures	16.68	16.69	16.76	17.25	17.52	18.13	18.38	16.20	16.02	15.73	17.33	16.00	15.55	r16.13	r16.90	17.56
Textile mill products	8.30	8.60	8.51	8.56	8.58	8.60	8.60	8.62	8.68	8.66	8.70	8.77	8.80	8.82	r8.76	8.91
Apparel and other textile products	6.77	6.95	6.87	6.98	6.96	6.97	6.94	6.96	7.00	6.98	6.97	7.04	7.05	7.04	r7.05	7.10
Paper and allied products	12.73	13.09	12.95	13.02	13.05	13.03	13.13	13.07	13.35	13.16	13.20	13.29	13.18	13.20	13.24	13.43
Printing and publishing	11.49	11.75	11.68	11.64	11.66	11.67	11.76	11.79	11.93	11.87	11.85	11.89	11.85	r11.84	r11.87	11.88
Chemicals and allied products	14.02	14.45	14.26	14.39	14.39	14.38	14.49	14.47	14.64	14.57	14.64	14.72	14.69	r14.71	r14.66	14.81
Petroleum and coal products	17.03	17.87	17.96	17.92	17.78	17.62	17.70	17.72	17.93	18.05	18.21	18.06	18.34	r18.36	r18.72	18.82
Rubber and misc. plastics products	10.07	10.37	10.27	10.33	10.33	10.36	10.39	10.38	10.46	10.44	10.45	10.54	10.55	r10.54	r10.50	10.64
Leather and leather products	7.18	7.40	7.44	7.47	7.41	7.41	7.28	7.36	7.35	7.36	7.42	7.48	7.46	7.46	r7.50	7.58
Transportation and public utilities	13.24	13.49	13.38	13.43	13.39	13.40	13.43	13.50	13.61	13.59	13.65	13.60	13.61	r13.62	r13.69	13.65
Wholesale trade	11.15	11.40	11.34	11.34	11.35	11.33	11.38	11.43	11.46	11.46	11.53	11.53	11.61	11.62	r11.60	11.72
Retail trade	6.95	7.14	7.11	7.12	7.12	7.10	7.10	7.10	7.21	7.19	7.21	7.19	7.26	r7.26	r7.26	7.27
Finance, insurance, and real estate	10.40	10.82	10.80	10.75	10.76	10.70	10.73	10.84	10.84	10.91	11.06	11.04	11.14	11.20	r11.17	11.20
Services	10.22	10.54	10.53	10.50	10.47	10.42	10.41	10.45	10.61	10.63	10.72	10.75	10.81	10.82	r10.80	10.77
Average hourly earnings per worker, **seas. adj.:** ◊																
Private nonfarm payrolls	10.33	10.59	10.55	10.52	10.56	10.58	10.58	10.66	10.63	10.65	10.71	10.69	10.73	r10.76	r10.79	10.79
Mining	14.18	14.51	14.50	14.46	14.49	14.52	14.50	14.55	14.54	14.59	14.67	14.46	14.54	r14.48	r14.60	14.74
Construction	13.99	14.11	14.06	14.03	14.09	14.20	14.11	14.21	14.07	14.15	14.20	14.16	14.12	14.14	r14.26	14.24
Manufacturing	11.18	11.45	11.37	11.42	11.44	11.44	11.45	11.51	11.51	11.51	11.54	11.57	11.60	r11.64	11.64	11.71
Transportation and public utilities	13.24	13.49	13.41	13.43	13.44	13.47	13.43	13.53	13.56	13.56	13.65	13.57	13.58	r13.57	r13.72	13.65
Wholesale trade	11.15	11.40	11.35	11.29	11.37	11.38	11.38	11.51	11.44	11.48	11.53	11.47	11.59	11.59	r11.60	11.68
Retail trade	6.95	7.14	7.12	7.09	7.12	7.11	7.14	7.16	7.18	7.18	7.19	7.20	7.22	r7.25	r7.25	7.26
Finance, insurance, and real estate	10.40	10.82	10.78	10.68	10.76	10.76	10.76	10.96	10.84	10.92	11.09	11.00	11.10	11.11	r11.13	11.14
Services	10.22	10.54	10.50	10.46	10.49	10.53	10.53	10.61	10.59	10.61	10.68	10.66	10.73	10.74	r10.76	10.73
[Dollars per hour]																
Hourly wages, **not seasonally adjusted:**																
Construction wages, 20 cities (ENR): §§																
Common labor	18.88	19.46	19.24	19.30	19.32	19.32	19.45	19.67	19.73	19.73	19.75	19.75	19.75	19.75	19.81	19.81
Skilled labor	24.76	25.47	25.18	25.21	25.27	25.30	25.49	25.68	25.75	25.76	25.81	25.83	25.83	25.83	25.89	25.89
Railroad wages (average, class I)	15.68	16.66	16.61	17.10	16.91	16.67	16.34	16.41	16.62	16.73	16.87	16.68	16.96	r17.23	17.08	.....
[Dollars]																
Avg. weekly earnings per worker, private nonfarm: ◊																
Current dollars, **seasonally adjusted**	354.32	364.30	363.98	360.84	365.38	362.89	362.89	368.84	364.61	367.43	370.57	366.67	370.19	r370.14	r370.10	371.18
1982 dollars, **seasonally adjusted** ‡	255.64	255.47	257.23	254.29	257.13	254.84	254.12	257.75	254.44	255.34	256.98	253.93	255.30	r254.39	r253.84	253.71
Current dollars, **not seasonally adjusted:**																
Private nonfarm, total	354.32	364.30	361.52	360.47	362.92	364.34	364.34	369.60	365.64	368.81	371.26	369.50	366.52	368.68	r367.20	369.70
Mining	629.59	638.44	636.85	633.07	634.36	635.54	625.10	643.03	641.08	641.14	651.73	646.02	647.83	637.15	632.28	.....
Construction	533.02	536.18	523.32	535.56	546.55	548.10	546.55	553.80	526.08	555.75	532.50	529.36	511.18	r514.96	r532.20	535.72
Manufacturing	455.03	469.45	464.62	460.96	470.18	471.74	466.42	470.18	472.73	474.54	480.06	487.30	477.17	r477.17	475.67	478.94
Durable goods	482.93	498.83	493.49	489.95	501.23	503.27	495.64	499.66	496.90	504.53	510.25	520.57	508.32	r508.74	508.74	510.02
Nondurable goods	419.69	432.68	427.33	425.19	430.81	432.95	430.27	434.42	441.46	437.12	442.13	446.76	438.74	436.17	435.20	441.10
Transportation and public utilities	512.39	523.41	511.12	513.03	518.19	521.26	526.46	533.25	532.15	530.01	539.18	533.12	529.43	r532.54	r536.65	535.08
Wholesale trade	424.82	435.48	433.19	433.19	434.71	432.81	434.72	440.06	436.63	437.77	442.75	440.45	440.02	440.40	r438.48	445.36
Retail trade	198.77	205.63	201.92	203.63	204.34	205.90	208.03	210.16	209.09	206.35	206.93	209.95	203.28	r204.73	r201.83	207.20
Finance, insurance, and real estate	371.28	387.36	390.96	383.78	383.06	380.92	381.99	393.49	384.82	388.40	400.37	394.13	397.70	399.84	r396.54	398.72
Services	331.13	342.55	342.23	339.15	339.23	338.65	340.41	344.85	341.64	344.41	349.47	347.23	347.00	349.49	r348.84	347.87
EMPLOYMENT COST INDEX																
[June 1989=100]																
Total compensation:																
Civilian workers ÷	.....	.....	113.5	.....	.....	114.2	.....	.....	115.4	.....	.....	116.1	.....	.....	117.5	.....
Workers, by occupational group:																
White-collar workers	.....	.....	113.9	.....	.....	114.6	.....	.....	115.8	.....	.....	116.6	.....	.....	117.9	.....
Blue-collar workers	.....	.....	112.6	.....	.....	113.5	.....	.....	114.4	.....	.....	115.2	.....	.....	116.7	.....
Service workers	.....	.....	114.1	.....	.....	114.7	.....	.....	116.2	.....	.....	116.7	.....	.....	117.9	.....
Workers, by industry division:																
Manufacturing	.....	.....	114.0	.....	.....	114.7	.....	.....	115.7	.....	.....	116.5	.....	.....	118.6	.....
Nonmanufacturing	.....	.....	113.3	.....	.....	114.1	.....	.....	115.3	.....	.....	116.0	.....	.....	117.1	.....
Services	.....	.....	115.5	.....	.....	116.3	.....	.....	118.2	.....	.....	119.2	.....	.....	120.1	.....
Public administration	.....	.....	114.0	.....	.....	114.6	.....	.....	115.8	.....	.....	116.3	.....	.....	117.6	.....
Wages and salaries:																
Civilian workers ÷	.....	.....	111.5	.....	.....	112.1	.....	.....	113.0	.....	.....	113.6	.....	.....	114.5	.....
Workers, by occupational group:																
White-collar workers	.....	.....	112.2	.....	.....	112.8	.....	.....	113.7	.....	.....	114.5	.....	.....	115.4	.....
Blue-collar workers	.....	.....	109.8	.....	.....	110.6	.....	.....	111.3	.....	.....	111.9	.....	.....	112.7	.....
Service workers	.....	.....	111.9	.....	.....	112.4	.....	.....	113.4	.....	.....	113.8	.....	.....	114.5	.....
Workers. by industry division:																
Manufacturing	.....	.....	111.5	.....	.....	112.2	.....	.....	112.9	.....	.....	113.7	.....	.....	114.7	.....
Nonmanufacturing	.....	.....	111.5	.....	.....	112.0	.....	.....	113.0	.....	.....	113.6	.....	.....	114.4	.....
Services	.....	.....	113.7	.....	.....	114.3	.....	.....	115.9	.....	.....	116.7	.....	.....	117.4	.....
Public administration	.....	.....	111.9	.....	.....	112.4	.....	.....	113.1	.....	.....	113.6	.....	.....	114.4	.....
HELP-WANTED ADVERTISING																
Seasonally adjusted index, *1967=100*	93	92	93	90	93	92	91	93	90	92	95	95	92	r97	96	96

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
5. LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																
WORK STOPPAGES																
Work stoppages involving 1,000 or more workers:																
Number of stoppages:																
Beginning in month or year, *number*	40	35	1	4	6	6	1	3	8	5	0	0	r2	1	r4	2
Workers involved in stoppages:																
Beginning in month or year, *thousands*	392	364	3	15	10	243	4	57	16	14	0	0	r22	5	r12	13
Days idle during month or year, *thousands*	4,584	3,989	367	414	322	741	157	214	578	281	99	48	r56	139	r113	112
UNEMPLOYMENT INSURANCE ‡																
State programs:																
Initial claims, *thousands*	22,975	20,986	1,756	1,636	1,395	1,630	2,015	1,420	1,405	1,428	1,518	2,020	2,048	1,408	r1,505	1,372
Average weekly insured unemployment, *thousands*	3,281	3,167	3,958	3,485	3,062	3,004	2,978	2,955	2,658	2,384	2,518	2,906	3,234	3,187	r3,238	2,796
Rate of insured unemployment, *percent* @	3.1	3.0	3.8	3.3	2.9	2.9	2.9	2.8	2.6	2.3	2.4	2.8	3.1	3.1	3.1	2.7
Total benefits paid, *mil. $*	25,279	24,967	2,649	2,382	1,932	1,969	2,033	1,883	1,761	1,585	1,584	2,019	2,060	2,010	r2,344	1,944
Weeks of unemployment compensated, *thousands*	153,063	147,938	15,681	14,116	11,460	11,706	12,160	11,055	10,375	9,304	9,278	11,865	12,011	11,519	r13,350	11,112
Average weekly benefit, *dollars*	171.18	175.16	174.91	175.10	175.04	174.53	172.94	175.60	175.86	176.67	177.17	176.88	178.69	180.89	r182.16	181.98
Federal civilian employees unemployment insurance (UCFE):																
Initial claims, *thousands*	135.8	146.2	9.3	10.1	9.6	13.7	17.7	10.3	12.0	15.3	11.7	12.4	13.0	9.5	r9.2	10.2
Average weekly insured unemployment, *thousands*	29.9	31.7	32.3	27.6	25.3	27.2	31.3	33.6	32.1	31.6	33.4	35.6	33.9	33.5	32.9	28.1
Total benefits paid, *mil. $*	211.3	243.1	20.8	18.1	15.8	17.7	20.3	20.9	20.9	20.0	20.5	24.8	21.7	21.4	24.9	20.1
Weeks of unemployment compensated, *thousands*	1,356.7	1,484.2	126.4	109.5	96.2	107.7	124.8	130.2	128.9	123.4	123.2	147.8	127.5	121.1	r136.4	110.9
Average weekly benefit, *dollars*	155.73	163.74	164.29	164.89	164.18	164.20	162.29	160.48	161.95	162.30	166.56	167.52	170.58	176.91	r182.77	180.90
Veterans unemployment insurance (UCX):																
Initial claims, *thousands*	152.8	260.5	19.5	18.6	17.5	21.7	25.0	24.4	26.1	25.2	18.3	20.7	21.9	17.2	r19.1	17.3
Average weekly insured unemployment, *thousands*	22.2	60.1	58.8	55.9	53.4	55.9	56.6	61.2	65.4	65.3	67.5	70.1	68.2	68.5	r65.9	59.5
Total benefits paid, *mil. $*	165.8	541.9	42.9	41.3	38.0	41.3	43.9	44.3	49.7	51.4	51.4	58.8	52.4	50.5	r54.6	47.7
Weeks of unemployment compensated, *thousands*	918.0	2,853.3	231.1	223.5	204.8	220.3	231.2	231.6	255.6	263.5	261.5	301.7	267.1	255.0	r277.0	243.1
Average weekly benefit, *dollars*	179.59	189.50	185.62	184.91	185.70	187.42	189.79	191.29	194.52	195.04	196.56	194.72	196.23	197.85	r197.22	196.13
6. FINANCE																
BANKING																
[Millions of dollars]																
Open market paper outstanding, end of period:																
Bankers' acceptances	43,770	38,194	39,309	39,335	38,384	37,767	37,733	37,090	37,814	37,599	37,651	38,194	35,945	...	...	...
Commercial and financial company paper, total	528,124	545,136	538,493	547,577	537,791	545,940	544,077	541,260	550,643	551,480	556,558	545,136	545,054	536,535	535,850	...
Financial companies	403,556	408,199	402,171	401,522	395,120	406,624	404,024	402,192	414,001	405,835	407,499	408,199	400,174	389,259	393,230	...
Dealer placed	221,093	236,250	221,578	227,272	223,948	235,243	227,307	229,550	236,351	223,177	227,502	236,250	216,553	209,228	221,271	...
Directly placed	182,463	171,949	180,593	174,250	171,172	171,381	176,717	172,642	177,650	182,658	179,997	171,949	183,621	180,031	171,959	...
Nonfinancial companies	124,568	136,937	136,322	146,055	142,671	139,316	140,053	139,068	136,642	145,645	149,059	136,937	144,880	147,276	142,620	...
Loans of the Farm Credit System:																
Total, end of period	51,457	...	52,098	...	...	52,242	...	...	52,366	...	...	...	...	...	...	...
Long-term real estate loans	28,767	...	28,776	...	...	28,775	...	...	28,815	...	...	...	...	...	...	...
Short-term and intermediate-term loans	11,223	...	10,650	...	...	11,398	...	...	11,505	...	...	...	...	...	...	...
Loans to cooperatives	11,467	...	12,671	...	...	12,069	...	...	12,047	...	...	...	...	...	...	...
Federal Reserve banks, condition, end of period:																
Assets, total #	353,061	367,901	335,971	332,011	332,729	344,466	347,656	343,638	364,084	346,817	355,187	367,901	357,552	362,126	368,587	368,742
Reserve bank credit outstanding, total #	289,394	312,234	274,013	274,830	277,354	283,729	282,069	288,180	303,724	288,917	301,688	312,234	302,531	307,615	312,037	311,133
Loans	218	675	52	115	150	1,359	256	244	609	80	35	675	35	57	753	84
U.S. Government securities	281,831	302,474	267,601	267,945	271,052	276,863	275,969	282,153	296,397	282,877	295,952	302,474	296,977	301,490	305,217	305,381
Gold certificate account	11,059	11,056	11,057	11,057	11,057	11,060	11,060	11,059	11,059	11,060	11,059	11,056	11,055	11,055	11,055	11,055
Liabilities, total #	353,061	367,901	335,971	332,011	332,729	344,466	347,656	343,638	364,084	346,817	355,187	367,901	357,552	362,126	368,587	368,742
Deposits, total	49,783	40,148	36,952	32,960	29,527	36,839	40,270	36,206	53,094	34,484	37,841	40,148	37,632	39,034	41,917	38,365
Member-bank reserve balances	29,413	32,079	29,480	27,801	23,503	22,740	25,302	29,422	27,665	29,339	30,349	32,079	27,533	33,085	34,533	30,579
Federal Reserve notes in circulation	287,906	314,208	283,383	286,457	289,684	290,772	294,107	295,876	297,609	300,010	306,863	314,208	306,111	309,080	312,263	315,270
All member banks of Federal Reserve System, averages of daily figures:																
Reserves held, total	55,532	56,540	56,282	50,455	48,825	49,496	49,823	50,162	51,521	53,136	54,666	56,540	56,004	r53,882	r54,296	r56,545
Required	54,553	55,385	55,254	49,318	47,825	48,584	48,857	49,227	50,527	52,062	53,624	55,385	54,744	52,778	r53,083	55,445
Excess	979	1,155	1,028	1,137	1,000	913	965	935	994	1,074	1,043	1,155	1,260	1,104	r1,213	1,101
Borrowings from Federal Reserve banks	192	124	91	90	155	229	284	251	287	143	104	124	165	45	91	73
Free reserves	788	1,032	939	1,049	845	684	681	684	707	931	939	1,032	1,096	1,059	r1,122	1,028
Large commercial banks reporting to Federal Reserve System, last Wed. of mo.:																
Deposits:																
Demand, total #	255,000	301,829	236,975	244,783	247,411	235,901	240,649	240,184	265,732	255,487	276,041	301,829	253,220	253,165	268,799	272,060
Individuals, partnerships, and corporations	204,158	243,168	188,976	194,581	194,793	187,252	194,223	193,149	215,316	206,700	222,024	243,168	203,509	204,865	221,791	220,655
States and political subdivisions	8,845	9,974	8,059	8,107	8,031	8,985	7,747	7,784	8,484	8,245	9,866	9,974	9,487	8,917	8,899	9,217
U.S. Government	2,158	3,434	1,535	3,544	1,411	2,162	1,790	1,749	2,359	1,471	2,665	3,434	2,077	2,388	2,345	2,736
Depository institutions in U.S	23,508	25,795	21,004	21,629	24,959	21,221	20,731	20,546	21,839	22,557	25,750	25,795	22,108	21,429	20,470	23,057
Transaction balances other than demand deposits	101,757	120,816	102,383	101,466	101,775	100,711	102,188	103,318	106,316	110,515	113,744	120,816	114,177	114,443	119,190	114,974
Nontransaction balances, total	788,004	728,182	774,935	771,221	767,467	758,296	754,062	749,281	739,351	736,595	734,304	728,182	724,254	723,700	714,834	714,458
Individuals, partnerships, and corporations	758,036	703,912	744,372	740,092	735,992	729,710	726,714	721,372	713,747	710,088	707,478	703,912	699,468	697,876	692,331	689,962
Loans and leases(adjusted),total §	1,027,027	1,007,149	1,015,170	1,014,895	999,071	996,078	984,175	983,304	936,072	989,342	995,217	1,007,149	990,412	988,383	986,435	989,290
Commercial and industrial	294,246	279,851	289,163	286,598	283,940	280,193	276,467	274,996	278,594	276,773	280,808	279,851	276,984	276,776	277,472	275,683
For purchasing and carrying securities	14,817	15,636	14,197	14,096	14,034	14,198	14,620	15,736	15,932	16,261	16,323	15,636	14,479	17,157	15,633	15,632
To nonbank depository and other financial	23,123	21,630	22,499	21,961	21,372	20,671	20,185	20,116	21,665	21,519	22,234	21,630	19,899	18,141	19,112	19,619
Real estate loans	402,887	404,188	400,247	403,272	400,688	399,491	397,707	395,266	396,927	398,901	399,784	404,188	398,451	394,593	395,060	395,675
To States and political subdivisions	17,876	14,823	17,167	16,822	16,972	16,380	15,719	15,606	15,631	15,239	15,000	14,823	14,402	14,260	14,035	13,794
Other loans	274,078	271,021	271,897	272,146	262,065	265,145	259,477	261,584	207,323	260,649	261,068	271,021	266,197	267,456	265,123	268,887
Investments, total	282,554	324,790	293,551	291,547	292,835	298,786	302,190	315,333	378,429	321,659	327,916	324,790	324,481	331,550	340,413	344,398
U.S. Treasury and government agency securities, total	225,344	269,839	239,304	237,039	239,486	245,996	248,189	259,952	267,891	266,417	273,053	269,839	268,574	275,642	283,361	288,366
Investment account	206,837	251,345	215,998	214,340	218,174	226,889	229,185	240,364	246,763	244,183	247,955	251,345	247,999	255,136	264,341	264,465
Other securities	57,210	54,951	54,247	54,508	53,349	52,790	54,001	55,381	55,005	55,242	54,863	54,951	55,907	55,908	57,052	56,032

See footnotes at end of tables.

6. FINANCE—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
BANKING—Continued																
[Billions of dollars]																
Commercial bank credit, seas. adj.: §																
Total loans and securities ◊	2,838.7	2,943.2	2,862.7	2,874.3	2,875.3	2,882.8	2,886.9	2,902.2	2,918.2	2,930.1	2,937.2	2,943.2	2,939.3	2,944.0	2,957.5	.....
U.S. Government securities	562.6	659.6	579.6	590.8	600.2	610.7	619.2	632.6	640.8	648.7	653.4	659.6	659.8	670.3	684.9	.....
Other securities	179.4	176.4	178.5	178.5	176.9	175.8	177.9	178.2	178.4	179.5	177.7	176.4	174.2	175.6	177.6	.....
Total loans and leases ◊	2,096.6	2,107.2	2,104.5	2,104.9	2,098.2	2,096.2	2,089.8	2,091.4	2,099.0	2,101.9	2,106.1	2,107.2	2,105.2	2,098.1	2,095.0	.....
[Percent]																
Money and interest rates:																
Prime rate charged by banks on short-term business loans	8.46	6.25	6.50	6.50	6.50	6.50	6.02	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Discount rate (New York Federal Reserve Bank) @	5.45	3.25	3.50	3.50	3.50	3.50	3.02	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Federal intermediate credit bank loans	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Home mortgage rates (conventional 1st mortgages):																
New home purchase (U.S. avg.)	9.01	7.98	8.21	8.26	8.30	8.15	7.81	7.72	7.68	7.65	7.81	7.65	7.57	7.52	7.22	.....
Existing home purchase (U.S. avg.)	9.04	7.84	8.14	8.26	8.20	8.04	7.78	7.58	7.44	7.40	7.49	7.53	7.49	7.28	7.17	.....
Open market rates, New York City:																
Bankers' acceptances, 3-month	5.70	3.62	4.19	3.92	3.76	3.80	3.32	3.28	3.10	3.19	3.51	3.44	3.14	3.06	3.07	3.05
Commercial paper, 6-month ‡	5.85	3.80	4.38	4.13	3.97	3.99	3.53	3.44	3.26	3.33	3.67	3.70	3.35	3.27	3.24	3.19
Finance co. paper placed directly, 6-mo	5.60	3.63	4.15	3.89	3.77	3.80	3.35	3.29	3.11	3.23	3.56	3.52	3.29	3.21	3.14	3.07
Yield on U.S. Gov. securities (taxable): 3-month bills (rate on new issue)	5.420	3.450	4.050	3.810	3.660	3.700	3.280	3.140	2.970	2.840	3.140	3.250	3.060	2.950	2.970	2.890
CONSUMER INSTALLMENT CREDIT ÷																
[Millions of dollars]																
Not seasonally adjusted:																
Total outstanding (end of period) #	r749,052	r756,944	r727,624	r726,204	r725,317	r727,478	r726,917	r731,954	r734,884	r734,766	r737,651	r756,944	r749,153	r746,914	745,187	.....
By major holder:																
Commercial banks	r340,713	r331,869	r328,529	r328,184	r327,072	r326,502	r326,849	r327,170	r327,437	r326,472	r325,149	r331,869	r330,355	r330,060	330,198	.....
Finance companies	r121,937	r117,127	r118,387	r118,395	r116,168	r116,661	r117,024	r117,230	r116,669	r116,359	r116,558	r117,127	r116,009	r112,686	111,854	.....
Credit unions	r92,681	r97,641	91,164	r91,340	91,605	r91,995	r92,248	r93,360	r94,644	r95,517	r96,092	r97,641	r98,261	r98,785	99,856	.....
Retailers	r39,832	r42,079	r35,370	r35,539	r35,731	r35,415	r34,646	r35,943	r35,925	r36,441	r36,678	r42,079	r40,057	r38,462	38,111	.....
Savings institutions	r45,965	r43,461	r42,998	r42,292	r42,202	r41,768	r41,813	r41,932	r41,317	r42,031	r42,746	r43,461	r43,428	r43,516	43,255	.....
Gasoline companies	4,362	4,365	3,988	4,094	4,193	4,360	4,506	4,542	4,499	4,452	4,365	4,365	4,366	4,148	4,080	.....
Pools of securitized assets	r103,562	r120,402	r107,188	r106,360	r108,347	r110,776	r109,831	r111,777	r114,393	r113,494	r116,063	r120,402	r116,677	r119,257	117,833	.....
By major credit type:																
Automobile	r261,219	r259,964	r259,659	r259,092	r258,700	r257,973	r258,457	r260,564	r262,042	r260,201	r259,148	r259,964	r257,744	r259,344	258,896	.....
Revolving	r256,876	r267,949	r243,076	r243,544	r244,236	r246,596	r246,332	r248,386	r249,421	r249,983	r252,877	r267,949	r261,217	r258,430	257,879	.....
Mobile home	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	.....
Other	3 230,957	3 216,353	3 224,889	3 223,568	3 222,381	3 222,909	3 222,128	3 223,005	3 223,422	3 224,581	3 225,626	3 229,031	3 230,192	3 229,141	3 228,412	.....
Seasonally adjusted:																
Total outstanding (end of period) #	.....	.....	r734,434	r731,736	r730,612	r730,866	r730,496	r731,023	r733,023	r734,195	r736,023	r741,093	r744,196	r748,765	752,205	.....
By major credit type:																
Automobile	.....	.....	r262,087	r260,746	r259,844	r257,989	r258,259	r258,827	r259,433	r258,208	r258,860	r259,627	r258,463	r260,945	261,255	.....
Revolving	.....	.....	r246,324	r246,987	r247,205	r248,795	r248,980	r249,384	r250,456	r251,806	r252,086	r254,299	r256,435	r259,378	261,329	.....
Mobile home	.....	.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	.....
Other	.....	.....	3 226,023	3 224,002	3 223,562	3 224,081	3 223,257	3 222,812	3 223,135	3 224,181	3 225,077	3 227,167	3 229,299	3 228,443	3 229,621	.....
Total net change (during period) #	.....	.....	r209	r−2,698	r−1,124	r254	r−370	r527	r2,000	r1,172	r1,828	r5,070	r3,103	r4,569	3,440	.....
By major credit type:																
Automobile	.....	.....	r1,421	r−1,341	r−902	r−1,855	r270	r568	r606	r−1,225	r652	r767	r−1,164	r2,482	310	.....
Revolving	.....	.....	r−150	r663	r218	r1,590	r185	r404	r1,072	r1,350	r280	r2,213	r2,136	r2,943	1,951	.....
Mobile home	.....	.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	.....
Other	.....	.....	r 3 −1,062	r 3 −2,021	r 3 −440	r 3 519	r 3 −824	r 3 −445	r 3 323	r 3 1,046	r 3 896	r 3 2,090	r 3 2,132	r 3 −856	1,178	.....
FEDERAL GOVERNMENT FINANCE																
[Millions of dollars]																
Federal receipts and outlays:																
Receipts (net)	1 1,054,265	r1,090,513	r72,132	r138,357	62,189	120,883	r79,056	78,106	r118,189	76,832	74,633	113,690	112,718	r66,138	83,453	132,122
Outlays (net)	1 1,323,757	r1,380,657	r122,844	r123,760	108,963	117,098	r122,204	102,810	r112,728	125,627	107,361	r152,637	82,903	r113,732	r128,030	124,034
Total surplus or deficit (–)	1 −269,492	r−290,144	−50,712	14,597	−46,774	3,785	−43,148	−24,704	r5,462	−48,795	−32,728	−38,946	29,815	−47,594	−44,577	8,088
Federal financing, total	1 269,492	r290,144	50,712	−14,597	46,774	−3,785	43,148	24,704	r−5,461	48,795	32,728	38,946	−29,815	47,594	44,577	−8,088
Borrowing from the public	1 293,239	1 311,082	50,138	6,292	33,840	22,318	28,290	38,841	9,853	−1,552	61,969	21,078	−8,355	30,689	37,727	5,464
Other	1 25,303	1 20,730	776	20,901	−13,095	26,101	−16,307	14,139	15,253	−50,417	29,239	−17,867	21,457	−16,905	−6,850	13,552
Gross amount of debt outstanding	1 3,489,997	1 4,002,815	3,811,671	3,822,222	3,865,111	3,918,787	3,942,569	3,983,735	4,002,815	4,006,113	4,071,464	4,115,794	4,106,390	4,136,520	4,170,654	4,188,979
Held by the public	1 2,628,699	1 2,998,776	2,859,672	2,867,085	2,900,925	2,923,243	2,950,083	2,988,923	2,998,776	2,997,224	3,059,193	3,080,271	3,071,916	3,102,385	3,140,112	3,145,575
Federal receipts by source and outlays by agency:																
Receipts (net), total	1 1,054,265	r1,090,513	r72,132	r138,357	62,189	120,883	r79,056	78,106	r118,189	76,832	74,633	113,690	112,718	r66,138	83,453	132,122
Individual income taxes (net)	1 467,649	1 473,594	19,503	67,993	12,012	53,072	35,098	34,715	55,496	37,288	33,099	51,172	73,704	23,947	27,935	56,137
Corporation income taxes (net)	1 98,086	1 102,240	11,742	14,198	2,691	20,784	2,732	1,579	19,896	2,096	1,478	22,950	3,212	792	12,724	17,795
Social insurance taxes and contributions (net)	1 396,010	1 413,670	34,237	47,461	40,362	38,380	31,722	33,139	33,322	29,594	32,900	31,918	29,416	34,251	33,652	49,176
Other	1 97,581	1 101,650	7,434	8,779	7,179	8,672	9,522	8,782	9,629	7,854	7,157	7,718	5,505	7,206	9,140	9,014
Outlays (net), total	1 1,323,757	r1,380,657	r122,844	r123,760	108,963	117,098	r122,204	102,810	r112,728	125,627	107,361	r152,637	82,903	r113,732	r128,030	124,034
Agriculture Department	1 54,120	1 56,585	5,462	5,080	5,007	3,912	3,595	3,266	3,922	7,051	5,624	6,645	4,516	4,389	8,163	6,172
Defense Department, military	1 299,196	1 286,631	22,109	22,948	23,379	24,868	29,180	20,538	24,902	26,233	19,949	28,946	18,941	22,003	24,391	26,036
Health and Human Services Department	1 483,936	1 539,761	43,303	45,693	44,316	49,575	48,176	43,333	46,703	48,427	43,055	73,835	20,629	47,245	49,520	51,313
Treasury Department	1 276,887	1 292,990	21,375	19,756	22,801	49,230	17,536	18,403	16,536	18,116	21,605	52,215	18,636	20,965	20,235	19,358
National Aeronautics and Space Administration	1 13,878	1 13,962	1,294	1,148	1,133	1,151	1,179	1,076	1,149	1,098	1,317	1,266	1,092	1,008	1,344	8,373
Veterans Affairs Department	1 31,214	1 33,734	1,804	2,898	2,686	2,514	4,010	1,361	3,201	4,061	1,717	4,125	1,617	2,626	4,067	4,307
GOLD AND SILVER:																
Gold:																
Monetary stock, U.S. (end of period), *mil.* $	11,057	11,056	11,057	11,057	11,057	11,059	11,059	11,059	11,059	11,060	11,059	11,056	11,055	11,055	.....	.....
Price at New York, *dol. per troy oz.* ‡‡	362.04	344.50	344.34	338.50	337.24	340.81	353.05	342.96	345.55	344.38	335.08	334.66	329.01	329.39	329.01	341.91
Silver:																
Price at New York, *dol. per troy oz.* ‡‡	4.040	3.938	4.100	4.030	4.070	4.060	3.950	3.800	3.760	3.740	3.760	3.720	3.680	3.650	3.690	3.960

See footnotes at end of tables.

6. FINANCE—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
MONETARY STATISTICS																
[Billions of dollars]																
Currency in circulation (end of period)	307.7	...	303.2	...	...	310.9	...	...	317.9	...	...	334.7	...	...	...	...
Money stock measures and components (averages of daily figures):																
Measures (not seasonally adjusted):																
M1	860.0	966.5	930.5	954.7	943.9	951.9	962.5	970.4	982.8	1,000.9	1,021.5	r1,045.8	r1,040.3	r1,022.3	r1,030.8	1,058.4
M2	3,406.9	3,477.1	3,476.5	3,490.0	3,452.5	3,457.2	3,461.0	3,466.8	3,467.8	3,485.7	3,500.8	3,511.2	3,492.7	r3,469.3	r3,479.3	3,496.3
M3	4,158.7	4,180.9	4,195.2	4,195.0	4,167.1	4,165.0	4,163.5	4,178.5	4,171.4	4,169.9	4,183.7	4,178.5	r4,143.5	r4,132.0	r4,138.9	4,154.7
L (M3 plus other liquid assets)	4,982.6	r5,020.6	5,023.4	5,024.9	4,988.0	5,001.9	4,996.2	5,015.8	5,026.6	r5,031.3	r5,068.8	r5,076.9	r5,047.3	r5,024.3	5,038.7	...
Components (not seasonally adjusted):																
Currency	259.5	279.6	271.0	273.3	275.7	277.2	280.8	282.9	284.6	287.0	290.0	295.0	293.6	295.3	297.9	301.3
Demand deposits	280.2	319.3	302.6	313.8	308.3	311.4	317.7	319.8	326.1	336.7	343.9	355.3	346.2	334.3	336.3	350.7
Other checkable deposits ‡‡	312.8	359.8	349.5	360.2	352.5	355.5	355.9	359.2	363.6	368.8	379.7	r387.7	r392.7	r384.9	r388.9	398.6
Overnight RP's and Eurodollars ◊	69.8	74.3	74.7	72.7	69.5	72.5	72.8	76.2	73.8	75.0	75.1	73.8	72.3	r73.0	r72.9	69.4
General purpose and broker/dealer money market funds	365.0	355.1	367.7	361.1	352.9	349.9	345.8	346.2	341.4	343.4	341.9	340.0	339.2	339.8	342.2	337.9
Money market deposit accounts	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Savings deposits	979.6	1,130.3	1 1,099.0	1 1,113.9	1 1,120.6	1 1,130.5	1 1,138.2	1 1,146.7	1 1,156.0	1 1,167.9	1 1,179.4	r1 1,180.0	r1 1,177.1	r1 1,178.2	r1 1,184.3	1 1,188.9
Small time deposits @	1,132.4	950.9	1,002.9	984.0	965.6	952.4	941.7	927.2	913.8	898.6	882.9	871.5	864.0	r856.0	r849.0	841.6
Large time deposits @	462.7	387.3	408.6	400.9	398.2	391.3	382.1	379.7	374.2	366.0	361.2	356.2	348.3	r345.7	r341.5	342.1
Measures (seasonally adjusted):																
M1	...	...	935.1	941.2	952.2	952.6	963.3	975.5	990.1	1,005.9	1,019.1	1,026.6	r1,033.3	r1,033.1	r1,035.4	1,043.2
M2	...	...	3,467.8	3,464.8	3,467.5	3,462.1	3,463.6	3,472.4	3,480.2	3,491.4	3,498.0	3,497.0	r3,487.0	r3,475.3	r3,472.4	3,472.8
M3	...	...	4,184.9	4,177.9	4,179.8	4,170.1	4,169.0	4,178.7	4,182.9	4,179.8	4,178.4	r4,166.4	r4,140.9	r4,134.6	r4,128.9	4,135.6
L (M3 plus other liquid assets)	...	...	5,010.1	5,009.1	r5,011.0	5,014.8	5,012.5	5,025.8	r5,037.3	r5,042.2	r5,055.8	r5,052.0	r5,030.4	r5,024.0	5,025.0	...
Components (seasonally adjusted):																
Currency	...	...	271.9	273.6	275.1	276.6	279.5	282.4	286.3	288.0	289.8	292.3	r294.7	r296.8	299.0	301.4
Demand deposits	...	...	308.0	310.8	314.7	312.3	317.5	322.5	329.0	336.0	339.5	340.9	341.9	341.9	r342.0	347.3
Other checkable deposits ‡‡	...	...	347.5	349.0	354.7	355.9	358.6	362.8	366.7	373.7	381.6	385.2	r388.6	r386.4	r386.4	386.4
Savings deposits	...	...	1 1,094.3	1 1,107.5	1 1,119.6	1 1,126.0	1 1,134.5	1 1,145.7	1 1,158.9	1 1,170.5	1 1,180.3	1 1,186.0	r1 1,184.3	r1 1,182.3	r1 1,178.8	1 1,181.4
Small time deposits @	...	...	1,004.0	986.1	969.6	955.7	941.5	926.9	912.7	896.5	881.7	870.2	860.9	r855.0	r850.1	843.6
Large time deposits @	...	...	407.4	402.1	395.9	389.3	382.5	378.1	373.7	367.0	361.3	357.5	350.7	r346.3	r340.4	343.1
PROFITS AND DIVIDENDS (QTRLY.)																
[Millions of dollars]																
Manufacturing corps. (Bureau of the Census):																
Net profits after taxes, all manufacturing	67,965	94,160	24,743	...	...	29,889	...	...	r28,734	...	...	10,794	...	...	...	...
Food and kindred products	19,639	20,392	5,078	...	...	6,012	...	...	r4,997	...	...	4,305	...	...	...	...
Textile mill products	833	2,103	296	...	...	568	...	...	570	...	...	669	...	...	...	...
Paper and allied products	2,164	2,572	776	...	...	942	...	...	r726	...	...	128	...	...	...	...
Chemicals and allied products	20,558	23,252	6,659	...	...	6,426	...	...	r6,404	...	...	3,763	...	...	...	...
Petroleum and coal products	10,868	9,577	2,261	...	...	2,386	...	...	r2,352	...	...	2,578	...	...	...	...
Stone, clay, and glass products	−1,602	204	−535	...	...	524	...	...	r534	...	...	−319	...	...	...	...
Primary nonferrous metal	986	1,036	401	...	...	462	...	...	r482	...	...	−309	...	...	...	...
Primary iron and steel	−1,439	32	−143	...	...	248	...	...	r577	...	...	−650	...	...	...	...
Fabricated metal products	3,359	4,498	1,060	...	...	1,671	...	...	r1,572	...	...	195	...	...	...	...
Machinery	−2,740	−3,713	1,639	...	...	876	...	...	r−287	...	...	−5,941	...	...	...	...
Electrical and electronic equipment	4,706	9,840	1,836	...	...	3,016	...	...	r2,815	...	...	2,173	...	...	...	...
Transportation equipment (except motor vehicles and equipment)	2,694	...	196	...	...	...	...	...	86	...	...	441	...	...	...	...
Motor vehicles and equipment	−7,607	−1,142	524	...	...	423	...	...	r−1,166	...	...	−923	...	...	...	...
All other manufacturing industries	15,404	...	4,694	...	...	...	...	...	...	...	...	...	...	...	...	...
Dividends paid (cash), all manufacturing	60,222	...	14,800	...	...	15,553	...	...	15,507	...	...	...	...	...	...	...
SECURITIES ISSUED																
[Millions of dollars]																
Securities and Exchange Commission:																
Estimated gross proceeds, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
By type of security:																
Bonds and notes, corporate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common stock	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Preferred stock	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
By type of issuer:																
Corporate, total #	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manufacturing	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Extractive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Public utility	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Transportation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Communication	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Financial and real estate	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
State and municipal issues (Bond Buyer):																
Long-term	172,576	235,026	19,577	18,117	18,231	27,672	17,596	21,121	19,314	22,771	16,787	22,669	18,285	18,340	28,249	...
Short-term	43,809	39,913	978	3,347	969	8,557	2,714	3,363	12,874	845	793	1,027	1,648	1,742	950	...
SECURITY MARKETS																
[Millions of dollars, unless otherwise indicated]																
Stock Market Customer Financing																
Margin credit at broker-dealers, end of year or month	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Free credit balances at brokers, end of year or month:																
Margin-account	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cash-account	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bonds																
Prices:																
Standard & Poor's Corporation, domestic municipal (15 bonds), *dol. per $100 bond*	68.8	73.1	70.6	71.0	71.7	73.7	75.8	76.1	74.3	72.9	73.6	74.6	75.2	78.2	80.4	79.1
Sales:																
New York Stock Exchange, exclusive of some stopped sales, face value, total	12,698.11	11,629.01	1,124.58	924.16	840.52	904.49	999.56	867.62	859.79	981.83	756.31	836.16	947.76	890.82	1,022.47	1,002.59

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
6. FINANCE—Continued																
Bonds—Continued																
[Percent]																
Yields:																
Domestic corporate (Moody's)	9.23	8.55	8.81	8.77	8.71	8.63	8.44	8.29	8.26	8.41	8.51	8.35	8.24	8.01	7.83	7.76
By rating:																
Aaa	8.77	8.14	8.35	8.33	8.28	8.22	8.07	7.95	7.92	7.99	8.10	7.98	7.91	7.71	7.58	7.46
Aa	9.05	8.46	8.73	8.69	8.63	8.56	8.37	8.21	8.17	8.32	8.40	8.24	8.11	7.90	7.72	7.62
A	9.30	8.62	8.89	8.87	8.81	8.70	8.49	8.34	8.31	8.49	8.58	8.37	8.26	8.03	7.86	7.80
Baa	9.80	8.98	9.25	9.21	9.13	9.05	8.84	8.65	8.62	8.84	8.96	8.81	8.67	8.39	8.15	8.14
By group:																
Industrials	9.25	8.52	8.77	8.75	8.70	8.61	8.42	8.23	8.19	8.38	8.49	8.34	8.24	8.01	7.80	7.74
Public utilities	9.21	8.57	8.84	8.79	8.72	8.64	8.46	8.34	8.32	8.44	8.53	8.36	8.23	8.00	7.85	7.76
Railroads	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Domestic municipal:																
Bond Buyer (20 bonds)	6.90	6.45	6.77	6.69	6.58	6.42	5.89	6.31	6.33	6.62	6.26	6.17	6.10	5.60	5.78	.....
Standard & Poor's Corp. (15 bonds)	7.45	6.41	6.69	6.64	6.57	6.50	6.12	6.08	6.24	6.43	6.35	6.24	6.18	5.87	5.65	5.78
U.S. Treasury bonds, taxable ‡	8.16	7.52	7.93	7.88	7.80	7.72	7.40	7.19	7.08	7.26	7.43	7.30	7.17	6.89	6.65	6.64
Stocks																
Prices:																
Dow Jones averages (65 stocks)	1,048.27	1,169.86	1,169.58	1,167.58	1,195.56	1,174.92	1,170.50	1,154.13	1,156.92	1,138.91	1,170.48	1,199.25	1,210.92	1,250.36	1,271.64	1,290.45
Industrial (30 stocks)	2,929.32	3,284.29	3,247.41	3,294.08	3,376.78	3,337.79	3,329.40	3,307.45	3,293.92	3,198.69	3,238.49	3,303.15	3,277.71	3,367.26	3,440.73	3,423.62
Public utility (15 stocks)	210.32	214.41	204.38	206.07	213.15	212.46	219.07	220.19	220.03	217.15	217.72	220.17	221.97	234.23	239.97	242.05
Transportation (20 stocks)	1,170.22	1,349.63	1,408.98	1,356.85	1,380.45	1,333.28	1,303.10	1,254.65	1,275.19	1,286.16	1,375.81	1,430.12	1,488.05	1,533.16	1,541.53	1,619.79
Standard & Poor's Corporation, *1941–43=10 unless otherwise indicated*: §																
Combined index (500 Stocks)	376.17	415.74	407.36	407.41	414.81	408.27	415.05	417.93	418.48	412.50	422.84	435.64	435.23	441.70	450.16	443.08
Industrial, total (400 Stocks) #	445.81	490.57	484.86	484.53	490.72	481.96	487.16	490.88	493.56	483.33	496.09	509.50	504.96	508.91	517.24	505.00
Capital goods	300.66	312.12	317.67	312.79	319.45	312.12	309.35	305.32	307.68	300.35	306.09	311.24	312.36	318.04	323.03	321.79
Consumer goods	544.04	625.18	621.24	617.42	618.26	598.89	617.31	627.14	627.04	614.96	640.65	655.71	636.16	628.27	630.61	595.41
Utilities (40 Stocks)	141.95	149.21	139.45	141.61	147.25	146.79	153.70	149.97	155.36	154.28	152.12	157.18	159.79	166.41	170.48	172.27
Transportation (20 Stocks), *1982=100*	288.54	341.74	346.73	344.98	356.62	342.07	334.44	321.77	323.19	327.46	351.64	363.35	374.27	379.57	376.22	390.85
Railroads	248.19	315.51	298.38	313.39	335.10	322.35	315.56	305.61	304.24	310.25	330.89	343.65	354.77	366.03	365.41	376.47
Financial (40 Stocks), *1970=10 (subcategories in 1941-43=10)*	29.69	35.69	34.29	33.94	35.17	34.90	36.18	35.78	35.22	36.13	38.03	39.98	41.34	42.88	44.51	44.55
Money center banks	90.36	113.31	108.84	107.28	117.36	115.36	118.86	112.94	109.70	111.21	118.66	123.84	130.73	136.32	144.73	144.11
Major regional banks	114.67	150.41	145.11	146.09	154.88	150.34	153.07	148.87	145.81	149.35	158.58	165.85	172.06	178.34	188.41	188.45
Property-Casualty Insurance	379.58	419.61	391.26	385.42	383.81	390.63	415.77	417.50	424.70	460.56	468.44	482.75	481.40	504.67	503.89	504.83
N.Y. Stock Exchange common stock indexes, *12/31/65=50*:																
Composite	205.48	229.00	225.21	224.54	228.54	224.67	228.16	230.07	230.12	226.97	232.83	239.47	239.67	243.41	248.11	244.72
Industrial	257.09	284.61	282.35	281.60	285.16	279.53	281.90	284.44	285.76	279.69	287.30	294.86	292.07	294.40	298.75	292.16
Transportation	173.97	201.09	204.09	201.28	207.87	202.02	198.36	191.30	191.64	192.30	204.78	212.34	221.00	226.96	229.41	237.97
Utility	92.26	99.45	94.15	94.91	98.23	97.22	101.17	103.41	102.26	101.62	101.13	103.84	105.51	109.44	112.53	135.09
Finance	150.18	179.24	173.49	171.05	175.89	174.82	180.92	180.46	178.27	181.35	189.27	196.86	203.38	209.92	217.01	216.02
NASDAQ over-the-counter price indexes:																
Composite, *2/5/71=100*	491.56	599.49	619.60	582.79	581.47	566.66	568.72	569.00	580.68	585.01	630.86	661.28	691.13	681.71	685.30	665.33
Industrial	549.48	655.04	701.75	642.91	630.97	608.48	604.99	603.07	621.06	624.45	680.98	710.38	740.27	716.02	709.22	681.19
Insurance	535.65	659.78	617.56	600.57	614.90	615.17	642.64	678.01	685.03	714.82	734.82	771.93	806.19	840.17	851.63	845.66
Bank	319.34	438.22	393.51	402.24	428.79	436.01	456.84	461.64	456.88	462.12	487.91	518.84	556.01	596.89	618.87	624.55
NASDAQ/NMS composite, *7/10/84=100*	217.09	265.46	273.67	257.56	257.43	250.86	251.82	251.98	257.35	259.31	279.99	293.59	306.61	302.11	303.66	294.34
Industrial	218.25	263.85	280.00	256.79	252.57	243.57	242.32	241.69	249.13	250.49	273.60	285.56	297.27	287.11	284.30	272.48
Yields (Standard & Poor's Corp.), *percent*:																
Composite (500 stocks) ◊	3.24	2.98	3.01	3.02	2.99	3.06	3.00	2.97	3.00	3.07	2.98	2.90	2.88	2.81	2.76	.....
Industrials (400 stocks)	2.82	2.63	2.63	2.63	2.63	2.69	2.65	2.62	2.66	2.74	2.65	2.57	2.57	2.50	2.48	.....
Utilities (40 stocks)	5.95	5.72	6.16	6.08	5.80	5.84	5.58	5.47	5.49	5.52	5.60	5.44	5.37	5.15	4.99	.....
Transportation (20 stocks)	2.30	1.99	1.94	1.94	1.87	1.97	2.01	2.17	2.16	2.12	1.98	1.91	1.86	1.75	1.76	.....
Financial (40 stocks)	3.69	2.89	2.92	2.99	2.94	3.00	2.89	2.94	2.98	2.91	2.80	2.69	2.68	2.58	2.51	.....
Preferred stocks, 10 high-grade	8.17	7.46	7.64	7.75	7.61	7.53	7.47	7.21	7.09	7.22	7.43	7.45	7.35	7.37	6.70	6.69
Sales:																
Total on all registered exchanges (SEC):																
Market value, *mil. $*	1,776,275	2,033,200	172,592	170,536	160,568	164,313	163,921	143,874	149,984	171,923	155,076	187,494	187,356	211,249	224,019	.....
Shares sold, *millions*	58,031	65,501	5,529	5,127	4,802	5,080	5,155	4,645	5,500	5,534	5,044	6,258	6,027	6,628	6,963	.....
On New York Stock Exchange:																
Market value, *mil. $*	1,531,813	1,757,494	149,951	147,607	138,059	143,429	142,447	124,095	130,809	149,347	133,852	160,620	162,394	183,872	197,791	.....
Shares sold (cleared or settled), *millions*	47,674	53,344	4,386	4,227	3,926	4,240	4,299	3,817	4,710	4,588	4,162	5,070	4,964	5,474	5,863	.....
New York Stock Exchange: Exclusive of odd-lot stock sales (sales effected), *millions*	45,267	51,376	4,082	4,320	3,666	4,296	4,274	3,647	4,019	4,469	4,154	4,889	5,311	5,466	5,772	5,839
NASDAQ over-the-counter:																
Market value, *mil. $*	693,854	891,785	73,400	78,144	57,296	64,635	63,154	53,571	66,871	75,795	80,749	89,349	107,993	107,865	104,714	101,843
Shares sold, *millions*	41,264	48,453	4,045	3,942	3,126	3,591	3,597	3,083	3,711	4,227	4,407	4,951	5,188	4,976	5,155	4,889
Shares listed, NYSE, end of period:																
Market value, all listed shares, *bil. $*	3,712.84	4,035.00	3,654.92	3,742.72	3,782.33	3,712.82	3,870.96	3,806.74	3,840.63	3,870.50	3,976.01	4,035.00	4,091.01	4,137.00	4,249.00	4,151.06
Number of shares listed, *millions*	99,622	115,839	102,450	103,269	107,148	110,121	111,389	112,519	113,450	114,047	114,580	115,839	117,605	119,524	120,679	121,275
7. FOREIGN TRADE OF THE UNITED STATES																
VALUE OF EXPORTS																
[Millions of dollars]																
Exports (mdse.), incl. reexports, total @	421,730.0	r448,163.6	r39,817.4	r37,153.5	r36,736.6	r39,094.3	r35,979.4	r34,837.8	r36,810.9	r40,114.5	r37,670.2	r38,536.8	35,921.9	r36,004.1	42,001.7	.....
Seasonally adjusted	.....	.....	r37,174.0	r36,382.2	r35,973.5	r38,040.1	r37,430.9	r36,370.0	r37,661.3	r38,885.2	r37,795.9	r39,177.9	r37,504.5	r36,928.1	38,996.1	.....
Western Europe	118,723.3	116,983.3	11,455.0	9,901.2	9,648.9	9,484.5	8,744.0	8,678.7	9,393.0	10,377.7	9,195.5	9,751.3	9,756.2	9,655.5	10,839.7	.....
European Community	103,208.5	102,845.0	10,201.3	8,776.5	8,523.7	8,215.4	7,664.0	7,660.9	8,278.6	9,194.5	8,031.0	8,382.5	8,640.5	8,436.8	9,594.7	.....
Belgium and Luxembourg	10,790.8	10,050.4	926.1	793.0	864.6	824.3	727.9	832.3	932.7	888.8	802.4	859.2	758.5	750.2	842.9	.....
France	15,365.4	14,575.0	1,532.0	1,280.5	1,213.9	1,151.8	1,012.7	1,009.2	1,252.6	1,219.4	1,095.7	1,195.4	1,266.0	1,324.2	1,350.6	.....
Federal Republic of Germany	21,316.5	21,235.8	2,050.8	1,771.3	1,824.3	1,614.7	1,656.5	1,626.0	1,634.3	1,952.1	1,626.5	1,751.0	1,704.9	1,615.9	1,980.8	.....
Italy	8,578.5	8,697.8	880.4	705.6	762.2	838.0	697.9	727.2	686.9	641.8	596.8	648.1	569.8	594.7	573.0	.....
Netherlands	13,528.1	13,740.2	1,231.4	1,114.8	1,020.6	1,050.8	983.0	919.5	1,071.7	1,296.2	1,124.7	1,240.5	1,150.0	1,189.4	1,260.6	.....
United Kingdom	22,063.4	22,808.1	2,342.4	1,986.3	1,918.4	1,815.2	1,655.5	1,652.1	1,735.1	2,213.2	1,879.8	1,912.5	2,296.3	2,086.0	2,695.2	.....
Eastern Europe	4,785.5	5,497.5	341.4	485.9	320.0	418.9	533.7	448.0	396.3	493.7	628.5	513.8	346.3	363.4	443.6	.....
Former Soviet Republics	3,577.6	3,625.5	241.7	287.3	220.0	290.5	330.9	334.9	247.6	329.0	431.8	218.9	209.7	193.7	256.6	.....

See footnotes at end of tables.

7. FOREIGN TRADE OF THE UNITED STATES—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
VALUE OF EXPORTS—Continued																
[Millions of dollars]																
Exports (mdse.), incl. reexports—Continued																
Western Hemisphere:																
Canada ◊	85,102.5	90,632.2	8,195.0	7,847.2	7,666.0	8,397.5	6,879.4	7,095.6	7,839.8	8,031.7	7,659.8	7,043.3	6,822.0	r7,638.5	9,415.2	.....
Brazil	6,154.1	5,740.1	454.6	385.4	430.7	594.2	426.7	384.8	457.3	480.2	491.9	730.8	435.3	411.9	471.5	.....
Mexico	33,275.6	40,597.5	3,529.6	3,509.9	3,386.3	3,496.0	3,476.6	3,153.9	3,561.5	3,447.1	3,404.0	3,360.7	3,189.0	3,304.8	3,758.2	.....
Venezuela	4,668.2	5,438.1	493.8	475.3	454.8	497.5	491.8	493.7	486.2	499.6	437.8	360.0	413.6	405.4	410.9	.....
Asia:																
China	6,286.8	7,469.6	637.8	586.6	613.1	696.8	437.5	717.7	489.1	743.5	694.2	879.6	613.1	696.2	622.5	.....
Hong Kong	8,140.5	9,068.7	669.1	670.8	704.2	830.8	864.2	682.1	741.1	883.5	834.9	899.3	747.1	714.5	879.4	.....
Japan	48,146.5	47,763.9	4,352.4	3,566.1	3,666.1	4,163.8	4,181.0	4,015.4	3,840.0	4,123.8	3,813.0	3,964.5	3,713.1	3,892.1	4,404.5	.....
Republic of Korea	15,518.4	14,630.1	1,383.4	1,093.2	1,288.2	1,357.0	1,210.6	1,033.2	1,068.9	1,187.5	1,089.9	1,242.3	1,203.7	1,119.0	1,132.3	.....
Saudi Arabia	6,572.2	7,163.4	610.6	809.6	535.9	729.1	492.9	498.7	557.5	591.2	438.7	630.4	551.6	506.5	681.0	.....
Singapore	8,807.8	9,623.4	764.9	732.8	792.2	1,061.4	808.0	709.2	777.4	949.7	709.2	994.3	941.8	889.7	906.3	.....
Taiwan	13,191.1	15,204.8	1,209.6	1,296.3	1,298.0	1,304.6	1,099.9	1,072.2	1,242.0	1,462.9	1,663.0	1,385.5	1,301.9	1,071.1	1,426.0	.....
Africa:																
Nigeria	832.9	1,000.9	70.8	82.2	97.5	89.6	35.8	69.3	106.5	73.0	114.6	94.0	75.8	81.7	107.7	.....
Republic of South Africa	2,086.3	2,425.0	180.1	141.8	163.0	195.3	253.2	225.3	210.3	352.3	238.1	196.3	172.6	203.4	170.8	.....
Australia	8,416.2	8,912.5	646.3	624.7	798.7	825.4	674.3	642.8	881.0	820.6	797.7	986.7	579.4	637.6	738.1	.....
OPEC	19,083.5	21,926.8	1,843.4	2,097.7	1,777.2	1,971.5	1,662.4	1,656.9	1,801.2	2,056.2	1,607.3	1,825.3	1,607.1	1,507.0	1,838.4	.....
Exports of U.S. merchandise, total @	400,839.1	425,614.3	37,748.7	35,352.9	34,883.7	37,155.8	34,232.6	33,198.5	34,909.9	37,989.7	35,850.8	36,449.5	34,113.3	r34,131.0	39,770.4	.....
By commodity groups and principal commodities:																
Agricultural products, total	38,462.7	42,078.2	3,674.9	3,634.3	3,084.1	3,154.9	3,189.8	3,021.0	3,310.9	4,097.5	3,810.8	3,721.6	3,614.0	3,752.6	3,796.9	.....
Nonagricultural products, total	362,379.8	382,989.2	33,965.0	31,697.0	31,565.7	34,120.1	30,571.0	29,894.1	31,954.6	33,892.2	32,040.0	32,769.5	30,387.2	30,587.7	35,973.5	.....
Food and live animals #	29,555.0	32,864.2	2,873.1	2,777.7	2,405.2	2,579.1	2,842.5	2,647.6	2,713.0	3,054.2	2,808.9	2,761.1	2,565.4	2,760.2	2,955.5	.....
Beverages and tobacco	6,750.3	7,063.5	579.6	506.7	564.5	580.9	572.7	622.7	574.2	730.6	727.4	640.6	500.0	535.2	512.4	.....
Crude materials, inedible, exc. fuels #	25,462.0	25,367.4	2,252.8	2,036.1	1,915.9	1,968.4	2,004.3	1,954.2	2,063.8	2,353.9	2,191.9	2,147.7	2,180.0	2,219.1	2,333.3	.....
Mineral fuels, lubricants, etc. #	12,033.2	11,122.3	817.0	923.5	946.6	959.7	1,015.1	867.5	864.8	839.7	946.3	1,077.2	935.8	789.1	r768.0	.....
Oils and fats, animal and vegetable	1,147.1	1,447.3	113.4	107.4	118.2	122.1	122.9	126.1	136.2	142.8	110.3	106.3	112.3	134.6	138.5	.....
Chemicals	42,966.7	43,956.2	3,807.3	3,751.1	3,873.0	4,006.9	3,700.3	3,512.5	3,714.7	3,818.6	3,314.0	3,396.8	3,690.0	3,550.5	4,013.4	.....
Manufactured goods class. chiefly by material	35,566.0	36,301.9	3,157.2	3,073.7	3,058.6	3,129.5	2,879.1	2,992.1	3,155.2	3,180.4	3,032.9	2,801.6	2,892.4	2,913.5	3,334.5	.....
Miscellaneous manufactured articles	43,162.2	48,001.2	4,354.3	3,930.3	3,973.2	4,222.5	3,793.2	3,744.2	4,068.4	4,444.3	4,054.6	3,884.7	3,833.5	3,840.8	4,517.2	.....
Machinery and transport equipment, total	187,359.9	200,933.5	18,301.9	16,816.4	16,350.8	18,315.0	15,224.0	15,054.3	16,733.8	17,755.3	16,783.3	18,061.5	15,447.1	16,205.9	19,449.5	.....
Motor vehicles and parts	28,175.1	32,263.1	2,874.4	2,956.7	2,951.2	2,963.3	2,148.4	2,261.3	2,593.4	2,756.6	3,136.9	3,070.4	2,365.3	2,945.2	3,489.8	.....
VALUE OF IMPORTS																
[Millions of dollars]																
General imports, total @	r488,453.0	r532,664.8	r43,344.0	r42,295.1	r42,145.6	r45,811.8	r45,872.4	r45,055.4	r46,503.4	r49,820.4	r46,314.4	r45,812.8	42,035.0	r41,909.3	50,628.2	.....
Seasonally adjusted	.....	.....	r42,723.8	r43,388.7	r43,645.1	r44,889.0	r44,937.8	r45,054.0	r45,967.9	r46,118.6	r45,632.8	r46,143.1	r45,176.2	r44,832.2	49,203.1	.....
Western Europe	102,596.5	110,794.3	9,189.6	9,290.6	8,682.5	9,574.4	9,888.9	8,757.3	9,137.8	10,350.0	9,833.5	10,058.9	8,022.3	8,240.2	10,402.5	.....
European Community	86,480.9	94,050.1	7,747.3	7,862.8	7,303.3	8,126.7	8,453.3	7,588.1	7,720.3	8,783.5	8,320.3	8,577.8	6,892.7	7,019.6	8,735.1	.....
Belgium and Luxembourg	4,138.7	4,705.8	335.9	361.3	375.5	404.5	492.8	294.5	415.8	492.1	435.9	414.3	422.2	387.2	448.3	.....
France	13,372.1	14,810.3	1,249.0	1,439.2	1,044.0	1,317.0	1,289.6	1,096.6	1,276.0	1,326.2	1,236.9	1,376.2	1,033.9	1,121.5	1,357.3	.....
Federal Republic of Germany	26,229.3	28,828.8	2,396.8	2,486.9	2,285.2	2,333.0	2,439.3	2,343.6	2,332.6	2,762.1	2,678.4	2,742.9	1,959.8	2,203.0	2,588.6	.....
Italy	11,787.4	12,300.1	1,084.2	957.3	913.6	1,168.2	1,210.5	1,169.3	852.3	1,012.1	1,147.0	1,047.0	918.2	863.5	1,179.7	.....
Netherlands	4,827.0	5,287.2	441.8	369.1	481.0	442.1	519.3	431.9	465.5	535.8	424.5	445.6	420.3	383.6	496.7	.....
United Kingdom	18,519.6	20,151.7	1,574.4	1,576.3	1,599.9	1,773.9	1,765.9	1,641.5	1,752.2	1,924.7	1,706.0	1,787.0	1,498.2	1,492.5	1,937.1	.....
Eastern Europe	1,809.8	1,981.0	156.0	140.8	125.2	156.6	207.9	163.1	184.7	159.1	153.7	206.9	166.2	178.2	248.9	.....
Former Soviet Republics	812.9	817.2	50.2	55.3	42.1	58.0	94.2	74.7	96.9	58.8	61.0	81.2	63.7	93.6	138.8	.....
Western Hemisphere:																
Canada	91,141.1	98,497.2	8,659.8	8,457.1	8,502.4	8,814.9	7,228.0	7,816.8	8,580.6	9,011.4	8,378.8	8,221.6	7,862.4	8,544.3	10,053.7	.....
Brazil	6,726.8	7,610.7	624.6	582.0	682.6	701.3	615.5	652.9	564.0	584.0	774.8	579.8	548.2	366.7	638.0	.....
Mexico	31,194.3	35,184.0	2,939.1	2,933.3	2,951.9	3,161.8	2,849.3	2,978.3	3,033.5	3,392.8	3,021.3	2,814.5	2,811.4	2,989.0	3,459.1	.....
Venezuela	8,228.4	8,167.5	599.5	554.5	593.5	683.9	737.1	685.3	821.9	853.7	759.7	771.6	679.2	604.1	688.3	.....
Asia:																
China	18,975.8	25,675.6	1,436.8	1,678.1	1,837.2	2,165.3	2,491.4	2,598.7	2,765.2	2,740.7	2,314.6	2,039.9	2,189.5	1,867.2	2,083.7	.....
Hong Kong	9,286.4	9,799.3	592.6	666.9	719.5	846.2	942.5	903.1	924.4	1,051.6	878.3	793.7	790.4	560.4	678.0	.....
Japan	91,582.7	96,542.5	8,338.0	7,776.1	7,161.2	7,548.9	8,114.2	7,745.9	8,277.9	9,081.5	8,579.7	9,058.2	7,616.3	r8,020.6	9,667.3	.....
Republic of Korea	17,024.5	16,690.6	1,313.9	1,322.2	1,335.8	1,429.0	1,645.6	1,476.5	1,424.7	1,549.3	1,345.0	1,299.0	1,365.7	1,160.1	1,403.1	.....
Saudi Arabia	10,978.2	10,366.9	755.9	759.5	811.2	1,071.3	955.6	859.8	907.8	866.2	841.7	877.1	880.7	705.3	775.4	.....
Singapore	9,976.3	11,317.5	957.9	838.8	848.1	1,029.3	893.1	994.3	1,066.8	984.6	1,084.8	1,052.4	851.1	822.9	1,115.8	.....
Taiwan	23,036.3	24,601.1	1,921.1	1,889.5	2,024.6	2,108.0	2,209.8	2,205.9	2,153.4	2,224.4	2,030.6	2,033.1	1,972.0	1,663.0	2,114.3	.....
Africa:																
Nigeria	5,360.1	5,073.7	266.6	454.6	538.3	573.6	573.3	506.7	332.9	539.6	452.2	352.4	455.5	412.5	537.9	.....
Republic of South Africa	1,733.3	1,723.0	129.1	153.2	137.2	176.6	145.6	144.5	155.2	144.7	146.9	153.6	140.2	119.6	165.1	.....
Australia	4,010.0	3,677.7	300.6	349.4	289.2	326.8	315.5	309.0	272.9	272.4	324.8	288.8	337.1	212.3	246.8	.....
OPEC	32,960.6	32,952.8	2,260.6	2,398.6	2,617.5	3,075.6	3,128.1	2,924.8	2,898.5	3,143.4	2,913.5	2,863.9	2,722.3	2,465.5	2,876.8	.....
By commodity groups and principal commodities:																
Petroleum and products	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nonpetroleum products	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Food and live animals #	21,952.3	22,645.5	2,021.9	2,050.2	1,834.3	1,930.0	1,797.2	1,706.2	1,774.0	1,947.7	1,836.9	1,977.0	1,929.4	1,777.1	2,112.2	.....
Beverages and tobacco	4,822.6	5,380.5	375.6	409.3	465.6	614.7	552.6	499.4	393.1	482.5	433.6	441.5	317.0	374.7	502.5	.....
Crude materials, inedible, exc. fuels #	13,079.0	13,967.9	1,179.0	1,185.8	1,163.2	1,188.3	1,145.9	1,234.1	1,177.5	1,230.1	1,131.1	1,122.3	1,218.3	1,174.0	1,452.8	.....
Mineral fuels, lubricants, etc	54,342.7	54,693.7	3,748.3	4,220.2	4,467.9	4,980.0	5,170.8	4,835.0	5,043.7	5,216.6	4,902.9	4,626.2	4,642.1	4,069.6	4,909.5	.....
Oils and fats, animal and vegetable	856.7	1,073.6	87.4	86.8	74.4	102.7	74.5	116.8	81.3	105.8	109.8	98.1	80.6	75.1	87.3	.....
Chemicals	24,168.7	27,684.3	2,362.7	2,345.7	2,134.9	2,329.2	2,326.3	2,244.3	2,312.8	2,418.0	2,265.2	2,551.0	2,253.0	2,130.2	2,619.2	.....
Manufactured goods class. chiefly by material	57,418.9	60,371.2	5,014.4	5,035.1	5,060.4	5,142.9	5,330.3	5,063.6	5,168.7	5,412.9	5,098.3	4,849.7	5,016.9	4,621.3	5,759.1	.....
Miscellaneous manufactured articles	83,389.6	95,009.2	7,071.6	6,825.1	7,026.5	8,139.2	9,171.9	8,693.7	9,008.2	9,466.8	8,126.0	7,671.2	7,309.6	7,189.9	8,403.1	.....
Machinery and transport equipment	210,786.5	231,336.3	19,716.6	19,040.1	18,342.6	19,594.4	18,508.9	18,681.0	20,067.7	21,653.9	20,653.9	20,924.4	17,814.6	19,062.4	23,048.5	.....
Motor vehicles and parts	67,525.4	71,249.6	6,331.9	6,128.5	5,973.7	5,829.4	4,951.9	5,144.1	5,926.5	6,756.6	6,668.3	6,584.3	5,443.3	6,384.1	7,425.4	.....
MERCHANDISE TRADE BALANCE																
[Millions of dollars]																
Trade balance:																
Not seasonally adjusted	r−66,723.0	r−84,501.2	r−3,526.5	r−5,771.7	r−5,408.9	r−6,717.5	r−9,893.0	r−10,217.5	r−9,692.4	r−9,705.8	r−8,644.2	r−7,275.9	r−6,113.1	−5,905.2	−8,626.5	.....
Seasonally adjusted	.....	.....	r−5,549.9	r−7,006.5	r−7,671.6	r−6,848.9	r−7,506.9	r−8,684.0	r−8,306.6	r−7,233.4	r−7,836.9	r−6,965.2	r−7,671.7	−7,904.1	−10,207.0	.....
[Billions of 1987 dollars]																
Seasonally adjusted:																
Trade balance	r−62.11	r−80.45	r−6.00	r−7.16	r−7.74	r−6.46	r−6.98	r−8.11	r−7.67	r−6.38	r−7.25	r−6.85	r−7.86	−8.36	−10.26	.....
Exports	r392.53	r423.31	r34.78	r34.27	r33.83	r35.89	r35.45	r34.44	r35.64	r36.92	r36.06	r37.41	r36.01	35.19	37.23	.....
Imports	r454.65	r503.77	r40.78	r41.43	r41.58	r42.35	r42.43	r42.55	r43.31	r43.30	r43.31	r44.26	r43.87	43.55	47.50	.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
7. FOREIGN TRADE OF THE UNITED STATES—Continued																
Export and Import Price Indexes @ *[1990=100]*																
All exports	100.8	100.9	100.7	100.9	101.3	101.0	101.1	100.8	101.2	100.8	100.7	100.8	101.0	101.2	101.1	101.4
Agricultural exports	99.0	98.1	100.3	98.8	99.0	99.6	98.9	95.4	97.7	95.7	96.5	97.8	98.5	97.9	r97.5	97.9
Nonagricultural exports	100.9	101.2	100.7	100.9	101.2	101.3	101.5	101.8	101.8	101.7	101.5	101.4	101.4	101.8	101.7	102.0
All imports	99.7	100.4	99.3	99.0	99.5	100.3	100.8	101.2	101.4	102.2	101.6	100.1	100.1	99.7	100.2	100.5
Petroleum imports	88.0	82.4	75.2	77.3	83.2	86.3	86.9	87.5	86.7	88.4	86.4	80.7	80.8	78.6	r81.2	81.8
Nonpetroleum imports	101.2	102.6	102.4	101.7	101.6	102.1	102.5	102.9	103.3	103.9	103.5	102.5	102.6	102.3	r102.5	102.7
Shipping Weight and Value																
Waterborne trade:																
Exports (incl. reexports):																
Shipping weight, *thous. metric tons*	389,562	387,525	31,140	32,230	30,496	31,276	32,881	29,794	32,336	33,970	34,173	34,729	31,578			
Value, *mil. $*	162,346	170,311	14,682	14,216	13,925	14,315	13,919	13,689	13,656	15,422	14,290	14,865	13,657			
General imports:																
Shipping weight, *thous. metric tons*	448,852	473,722	36,593	38,135	39,406	41,545	40,995	39,787	41,587	44,620	40,739	39,940	41,918			
Value, *mil. $*	272,286	291,726	22,670	23,280	22,686	24,774	26,340	25,456	25,293	27,405	24,666	24,822	23,570			
8. TRANSPORTATION AND COMMUNICATION																
TRANSPORTATION																
Air Carriers																
Certificated route carriers:																
Passenger-miles (revenue), *billions*	447.95	478.08	38.26	36.08	38.55	44.53	49.06	51.32	40.31	39.09	35.75	37.82	36.19	33.38		
Passenger-load factor, *percent*	62.6	63.6	62.5	60.0	61.7	69.1	72.6	75.7	63.8	61.8	59.3	59.9	57.4	58.4		
Ton-miles (revenue), total, *millions*	56,925	60,862	4,922	4,667	4,929	5,550	6,004	6,207	5,130	5,111	4,696	4,976	4,609	4,353		
Operating revenues (quarterly), *mil. $* §	75,023		18,830			19,301			20,704							
Passenger revenues, *mil. $*	57,055		14,550			14,764			16,013							
Cargo revenues, *mil. $*	5,508		1,391			1,450			1,492							
Mail revenues, *mil. $*	944		276			280			279							
Operating expenses (quarterly), *mil. $* §	76,815		19,292			19,894			20,784							
Net income after taxes (quarterly), *mil. $* §	−1,986		−593			−689			−108							
Domestic operations:																
Passenger-miles (revenue), *billions*	332.57	347.50	28.00	26.38	27.84	32.47	35.91	37.30	28.79	28.05	26.24	27.64	25.62	24.51		
Cargo ton-miles, *millions*	4,946	5,191	434	428	435	440	440	434	446	475	422	448	395	398		
Mail ton-miles, *millions*	1,412	1,568	127	130	122	117	122	119	123	139	126	195	135	123		
Operating revenues (quarterly), *mil. $* §	56,165		14,313			14,253			14,683							
Operating expenses (quarterly), *mil. $* §	56,691		14,249			14,556			14,851							
Net income after taxes (quarterly), *mil. $* §	−1,271		−48			−505			−292							
International operations:																
Passenger-miles (revenue), *billions*	115.39	130.58	10.26	9.70	10.71	12.06	13.15	14.02	11.53	11.03	9.51	10.18	10.57	8.87		
Cargo ton-miles, *millions*	5,279	5,798	496	463	480	502	498	483	492	545	526	490	423	460		
Mail ton-miles, *millions*	493	496	39	39	38	38	39	39	37	43	46	62	36	34		
Operating revenues (quarterly), *mil. $* §	18,858		4,518			5,048			6,021							
Operating expenses (quarterly), *mil. $* §	20,124		5,043			5,338			5,932							
Net income after taxes (quarterly), *mil. $* §	−715		−545			−184			184							
Urban Transit Industry																
Passengers carried, total, *millions*	8,643	8,555	758	734	714	712	694	673	708	759	695	698				
Motor Carriers																
Carriers of property, large, class I, qtrly.:																
Number of reporting carriers, *number*	100	100	100			100			100			100				
Operating revenues, total, *mil. $*	22,091	24,180	5,553			6,037			6,270			6,333				
Net income, after extraordinary and prior period charges and credits, *mil. $*	314	446	82			165			169			13				
Tonnage hauled (revenue), common and contract carrier service, *mil. tons*	178	207	47			49			49			54				
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA):																
Common carriers of general freight, seas. adj., *1967=100*	182.0	201.4	199.2	200.8	202.5	203.9	206.5	202.0	200.3	200.0	203.5	209.0	r215.7	r212.4	209.0	
Class I Railroads ‡																
Financial operations, quarterly (AAR), excluding Amtrak:																
Operating revenues, total, *mil. $* #	27,845	28,349	7,049			7,001			7,092			7,240				
Freight, *mil. $*	26,949	27,508	6,831			6,795			6,888			7,025				
Passenger, excl. Amtrak, *mil. $*	94	90	23			24			22			21				
Operating expenses, *mil. $*	28,062	25,316	6,158			6,664			6,367			6,156				
Net railway operating income, *mil. $*	−38	1,960	595			265			507			601				
Ordinary income, *mil. $* †	−92	2,060	587			162			411			892				
Traffic:																
Revenue ton-miles, qtrly. (AAR), *billions*	1,039.8	1,064.0	265.3			258.8			266.6			274.2			r266.3	[2]83.7
Producer Price Index, line haul operations, *12/84=100*	109.3	110.0	109.9	109.9	110.0	110.0	109.8	109.9	109.9	110.1	110.1	110.3	110.4	110.4	110.6	110.6
Travel																
Lodging industry:																
Restaurant sales index, *same month 1967=100*																
Hotels: Average room sale, *dollars* ◊																
Rooms occupied, *% of total*																
Motor hotels: Average room sale, *dollars* ◊																
Rooms occupied, *% of total*																
Economy hotels: Average room sale, *dollars* ◊																
Rooms occupied, *% of total*																
Foreign travel:																
U.S. citizens: Arrivals (quarterly), *thousands*	17,839		1,520	1,441												
Departures (quarterly), *thousands*	17,579		1,336	1,353												
Aliens: Arrivals (quarterly), *thousands*	17,625		1,263	1,483												
Departures (quarterly), *thousands*	15,708		1,008	1,225												
Passports issued, *thousands*	3,376	3,282	340	347	313	367	308	243	224	207	196	214	258	342	460	424
National parks, recreation visits, *thousands* ##	56,750	57,888	2,324	3,335	5,121	7,723	10,379	10,255	6,747	4,972	2,148	1,575	r1,554	r1,611	2,172	2,953

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
8. TRANSPORTATION AND COMMUNICATION—Continued																
COMMUNICATION																
Telephone carriers:																
Operating revenues, *mil. $* #*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Station revenues, *mil. $*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tolls, message, *mil. $*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Operating expenses (excluding taxes), *mil. $*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Net operating income (after taxes), *mil. $*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Access lines, *millions*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. CHEMICALS AND ALLIED PRODUCTS																
CHEMICALS																
Inorganic Chemicals																
[Thousands of short tons, unless otherwise indicated]																
Production:																
Aluminum sulfate, commercial (17% Al_2O_3)	1,185	812	(2)	...	...	276	...	...	287	...	...	249	...	...	...	...
Chlorine gas (100% Cl_2)	11,421	11,141	2,709	...	...	2,733	...	...	2,830	...	...	2,870	...	...	...	...
Hydrochloric acid (100% HCl)	3,301	2,876	664	...	...	739	...	...	698	...	...	774	...	...	...	...
Phosphorus, elemental	306	281	77	...	...	70	...	...	61	...	...	73	...	...	...	...
Sodium hydroxide (100% NaOH)	11,713	12,012	2,937	...	...	2,953	...	...	3,051	...	...	3,070	...	...	...	...
Sodium silicate, anhydrous	870	900	223	...	...	225	...	...	224	...	...	228	...	...	...	...
Sodium sulfate (100% Na_2SO_4)	794	672	168	...	...	186	...	...	155	...	...	162	...	...	...	...
Sodium tripolyphosphate (100% $Na_5P_3O_{10}$)	462	(4)	(4)	...	...	(4)	...	...	...	...	...	...	...	...	...	...
Titanium dioxide (composite and pure)	1,095	1,263	291	...	...	324	...	...	327	...	...	321	...	...	...	...
Sulfur, native (Frasch) and recovered:																
Production, *thous. metric tons*	9,515	9,370	797	758	801	798	804	765	724	824	741	792	767	...	...	...
Stocks (producers') end of period, *thous. metric tons*	1,195	809	1,130	1,061	1,036	1,017	916	845	765	807	812	809	765	...	...	...
Inorganic Fertilizer Materials																
[Thousands of short tons, unless otherwise indicated]																
Production:																
Ammonia, synthetic anhydrous	17,167	17,975	4,588	...	...	4,607	...	...	4,262	...	...	4,518	...	...	...	...
Ammonium nitrate, original solution	7,777	7,667	1,936	...	...	1,950	...	...	1,866	...	...	1,915	...	...	...	...
Ammonium sulfate	2,243	2,361	569	...	...	611	...	...	592	...	...	589	...	...	...	...
Nitric acid (100% HNO_3)	7,925	8,041	2,019	...	...	2,039	...	...	1,968	...	...	2,015	...	...	...	...
Nitrogen solutions (100% N)	3,208	3,452	859	...	...	927	...	...	809	...	...	857	...	...	...	...
Phosphoric acid (100% P_2O_5)	12,056	12,679	3,170	...	...	3,140	...	...	3,154	...	...	3,215	...	...	...	...
Sulfuric acid (100% H_2SO_4)	43,350	44,399	11,109	...	...	10,869	...	...	11,022	...	...	11,399	...	...	...	...
Superphosphate and other phosphatic fertilizers (gross weight):																
Production	19,418	20,039	5,009	...	...	5,092	...	...	4,862	...	...	5,076	...	...	...	...
Stocks, end of period	701	849	695	...	...	635	...	...	665	...	...	849	...	...	...	...
Potash, sales (K_2O)	5,460	5,866	526	779	848	261	278	602	380	438	229	439	...	...	...	...
Imports:																
Ammonium nitrate, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ammonium sulfate, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Potassium chloride, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sodium nitrate, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial Gases																
[Millions of cubic feet]																
Production:																
Acetylene	5,603	5,321	1,333	...	...	1,283	...	...	1,324	...	...	1,381	...	...	...	...
Hydrogen (high and low purity)	152,183	163,002	38,612	...	...	39,241	...	...	42,356	...	...	42,793	...	...	...	...
Nitrogen (high and low purity)	758,823	810,287	196,371	...	...	200,879	...	...	206,177	...	...	206,860	...	...	...	...
Oxygen (high and low purity)	472,215	511,949	121,384	...	...	125,852	...	...	132,100	...	...	132,613	...	...	...	...
Organic Chemicals §																
[Thousands of metric tons, unless otherwise indicated]																
Production:																
Acetylsalicylic acid (aspirin)	[3] 19.4	(3)	(3)	...	...	...	...	...	...	...	...	...	...	...	...	...
Ethyl acetate	[1] 126.1	[1] 134.5	33.7	...	...	33.2	...	...	33.5	...	...	34.1	...	...	...	...
Formaldehyde (37% HCHO)	[1] 2,913.7	[1] 3,164.8	788.4	...	...	782.7	...	...	806.2	...	...	787.5	...	...	...	...
Glycerin, refined, all grades, *mil. lb.* ◊	298.1	333.1	28.9	26.9	23.0	28.2	31.9	27.2	27.5	32.0	26.7	24.3	...	...	...	...
Methanol, synthetic	[1] 3,925.3	[1] 3,958.9	999.4	...	...	968.2	...	...	948.1	...	...	1,043.1	...	...	...	...
Phthalic anhydride	[1] 396.3	[1] 407.4	102.3	...	...	95.3	...	...	112.0	...	...	97.8	...	...	...	...
ALCOHOL																
Ethyl alcohol and spirits:																
Production, *mil. tax gal.*	1,198.8	...	115.6	109.5	112.6	109.6	113.4	80.4	113.1	115.0	111.2	...	...	...	...	...
Stocks, end of period, *mil. tax gal.*	37.4	...	39.2	37.3	24.0	37.3	40.9	35.3	33.7	30.7	34.5	...	...	...	...	...
Denatured alcohol:																
Production, *mil. wine gal.*	664.9	...	61.7	54.2	33.7	31.8	64.9	59.7	68.1	71.7	53.1	...	...	...	...	...
Consumption (withdrawals), *mil. wine gal.*	702.7	...	61.3	50.6	30.8	97.1	55.4	39.0	72.0	63.8	58.2	...	...	...	...	...
For fuel use, *mil. wine gal.*	354.6	...	31.5	27.3	13.7	19.1	25.4	29.5	43.8	35.5	31.1	...	...	...	...	...
Stocks, end of period, *mil. wine gal.*	8.8	...	19.2	19.9	19.9	15.2	24.3	26.8	22.4	24.7	25.4	...	...	...	...	...

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
9. CHEMICALS AND ALLIED PRODUCTS—Continued																
PLASTICS AND RESIN MATERIALS																
[Thousands of metric tons]																
Production:																
Phenolic resins	1,200.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polyethylene and copolymers	[1] 7,514.0	[1] 7,445.2	1,842.9	...	...	1,865.4	...	...	1,877.2	...	...	1,816.5	...	...	...	...
Polypropylene	[1] 3,397.2	[1] 3,562.3	814.3	...	...	901.8	...	...	914.3	...	...	881.9	...	...	...	...
Polystyrene and copolymers	3,310.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polyvinyl chloride and copolymers	[1] 3,977.4	5,187.7	1,628.2	...	...	1,381.7	...	...	1,376.9	...	...	1,144.6	...	...	...	...
PAINTS, VARNISH, AND LACQUER																
[Millions of dollars]																
Total shipments	11,707.3	...	2,831.5	...	...	3,427.0	...	...	3,278.1	...	...	2,803.2	...	...	...	...
Architectural coatings	4,881.9	...	1,118.7	...	...	1,483.4	...	...	1,363.2	...	...	1,022.4	...	...	...	...
Product coatings (OEM)	3,976.7	...	1,059.4	...	...	1,131.5	...	...	1,093.0	...	...	1,059.1	...	...	...	...
Special purpose coatings	2,848.8	...	653.4	...	...	812.1	...	...	821.9	...	...	721.6	...	...	...	...
10. ELECTRIC POWER AND GAS																
ELECTRIC POWER																
[Millions of kilowatt-hours, unless otherwise indicated]																
Production:																
Electric utilities, total	2,825,023	r2,797,219	r224,665	r210,837	r220,355	r236,842	r266,148	r255,203	r234,760	r221,289	r221,263	r244,126	245,797	...	...	...
By fuels	2,549,504	r2,557,659	r203,099	r191,383	r198,070	r214,143	r246,436	r237,142	r217,923	r204,914	r201,970	r220,317	221,323	...	...	...
By waterpower	275,519	r239,559	r21,566	r19,454	r22,285	r22,698	r19,711	r18,062	r16,838	r16,375	r19,294	r23,808	24,474	...	...	...
Sales to ultimate customers, total (Edison Electric Institute)	2,733,242	2,734,503	666,891	...	...	644,856	...	...	744,804	...	...	671,401	...	...	...	...
Commercial §	755,073	758,878	178,371	...	...	183,074	...	...	210,989	...	...	185,446	...	...	...	...
Industrial §	929,549	940,333	223,865	...	...	235,065	...	...	246,307	...	...	233,667	...	...	...	...
Railways and railroads	5,250	5,190	1,410	...	...	1,258	...	...	1,263	...	...	1,300	...	...	...	...
Residential or domestic	948,922	933,820	239,100	...	...	202,547	...	...	261,505	...	...	226,291	...	...	...	...
Street and highway lighting	15,278	15,395	3,984	...	...	3,607	...	...	3,586	...	...	4,139	...	...	...	...
Other public authorities	76,573	78,528	19,373	...	...	18,702	...	...	20,543	...	...	19,982	...	...	...	...
Interdepartmental	2,598	2,358	787	...	...	603	...	...	612	...	...	575	...	...	...	...
Revenue from sales to ultimate customers (Edison Electric Institute), *mil. $*	184,869	186,243	44,131	...	...	43,675	...	...	53,422	...	...	44,896	...	...	...	...
GAS																
Total utility gas, quarterly (American Gas Association):																
Customers, end of period, total, *thousands @*	55,442	...	56,241	...	...	56,052	...	...	...	...	...	...	...	...	...	...
Residential	50,883	...	51,589	...	...	51,449	...	...	...	...	...	...	...	...	...	...
Commercial	4,340	...	4,434	...	...	4,382	...	...	...	...	...	...	...	...	...	...
Industrial @	171	...	166	...	...	170	...	...	...	...	...	...	...	...	...	...
Other	49	...	51	...	...	52	...	...	...	...	...	...	...	...	...	...
Sales to customers, total, *tril. Btu*	9,937	...	3,674	...	...	1,900	...	...	...	...	...	...	...	...	...	...
Residential	4,639	...	2,011	...	...	855	...	...	...	...	...	...	...	...	...	...
Commercial	2,241	...	900	...	...	405	...	...	...	...	...	...	...	...	...	...
Industrial	1,754	...	494	...	...	381	...	...	...	...	...	...	...	...	...	...
Electric generation	1,122	...	196	...	...	208	...	...	...	...	...	...	...	...	...	...
Other	181	...	73	...	...	51	...	...	...	...	...	...	...	...	...	...
Revenue from sales to customers, total, *mil. $*	45,316	...	18,137	...	...	8,635	...	...	...	...	...	...	...	...	...	...
Residential	26,060	...	10,751	...	...	4,973	...	...	...	...	...	...	...	...	...	...
Commercial	10,802	...	4,322	...	...	1,979	...	...	...	...	...	...	...	...	...	...
Industrial	5,372	...	1,625	...	...	1,102	...	...	...	...	...	...	...	...	...	...
Electric generation	2,537	...	379	...	...	432	...	...	...	...	...	...	...	...	...	...
Other	545	...	227	...	...	149	...	...	...	...	...	...	...	...	...	...
11. FOOD AND KINDRED PRODUCTS; TOBACCO																
ALCOHOLIC BEVERAGES																
Beer:																
Production, *mil. bbl.*	202.19	...	18.06	18.00	18.89	18.95	18.34	17.55	15.66	16.15	14.43	...	...	...	...	...
Taxable withdrawals, *mil. bbl.*	180.99	...	15.65	15.53	16.46	17.47	16.83	16.04	14.79	14.23	13.12	...	...	...	...	...
Stocks, end of period, *mil. bbl.*	12.64	...	14.79	15.29	15.45	15.38	14.99	14.50	13.40	13.41	13.07	...	...	...	...	...
Distilled spirits (total):																
Production, *mil. tax gal.*	108.75	...	9.58	11.01	7.18	7.07	3.64	33.99	7.24	13.36	9.60	...	...	...	...	...
Consumption, apparent, for beverage purposes, *mil. wine gal.*	346.30	...	27.37	28.79	27.92	30.30	29.11	27.44	28.20	29.79	34.25	...	...	...	...	...
Stocks, end of period, *mil. tax gal.*	402.10	...	438.93	442.31	391.96	441.87	166.45	426.66	365.72	421.08	413.37	...	...	...	...	...
Imports, *mil. proof liters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whisky:																
Production, *mil. tax gal.*	71.12	...	6.94	6.18	4.70	4.48	2.10	1.55	3.10	5.90	6.03	...	...	...	...	...
Stocks, end of period, *mil. tax gal.*	341.87	...	380.72	380.75	331.59	377.14	109.07	379.44	308.99	359.99	353.37	...	...	...	...	...
Imports, *mil. proof liters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wines and distilling materials:																
Effervescent wines:																
Production, *mil. wine gal.*	22.76	...	1.91	1.82	1.04	1.21	2.38	2.46	2.26	3.70	2.44	...	...	...	...	...
Taxable withdrawals, *mil. wine gal.*	23.80	...	1.17	1.55	1.53	1.36	1.41	1.77	2.21	4.27	4.24	...	...	...	...	...
Stocks, end of period, *mil. wine gal.*	16.09	...	17.67	22.90	17.77	17.76	17.69	15.82	18.58	18.51	15.62	...	...	...	...	...
Imports, *mil. liters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Still wines:																
Production, *mil. wine gal.*	394.39	...	3.33	2.74	5.02	6.41	4.64	44.89	140.10	80.69	28.16	...	...	...	...	...
Taxable withdrawals, *mil. wine gal.*	376.41	...	35.17	34.75	32.35	30.83	29.35	28.62	32.15	30.84	32.23	...	...	...	...	...
Stocks, end of period, *mil. wine gal.*	580.09	...	516.82	511.96	503.61	400.75	391.38	411.02	521.01	568.32	559.22	...	...	...	...	...
Imports, *mil. liters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distilling materials produced at wineries, *mil. wine gal.*	110.73	...	4.08	2.32	3.36	3.42	9.17	18.05	27.39	12.20	9.71	...	...	...	...	...

See footnotes at end of tables.

11. FOOD AND KINDRED PRODUCTS; TOBACCO—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
DAIRY PRODUCTS																
Butter:																
Production (factory), *mil. lb.*	1,336.3	1,344.5	129.9	119.7	118.3	103.2	96.8	84.8	90.0	100.4	98.3	115.1	144.4	138.9	...	...
Stocks, cold storage, end of period, *mil. lb.*	539.4	447.7	645.3	678.7	712.6	747.0	755.8	705.7	608.5	541.7	487.6	447.7	495.4	r497.0	525.0	560.9
Producer Price Index, *1982=100*	69.5	59.2	60.7	60.7	60.4	55.9	56.0	56.0	58.1	58.3	58.1	58.0	53.7	54.0	54.0	55.0
Cheese:																
Production (factory), total, *mil. lb.*	6,090.8	6,457.6	542.7	534.7	550.9	548.0	546.0	535.9	520.0	561.8	547.5	558.9	509.1	491.3	...	...
American, whole milk, *mil. lb.*	2,804.9	2,938.7	246.4	244.9	261.8	259.7	259.3	242.4	222.9	240.2	233.1	251.2	247.8	225.7	...	...
Stocks, cold storage, end of period, *mil. lb.*	415.3	462.0	449.0	449.7	455.9	465.2	496.2	488.0	470.9	449.7	441.1	462.0	476.1	r451.9	460.0	449.5
American, whole milk, *mil. lb.*	317.8	341.1	335.5	334.7	340.3	343.4	369.1	364.2	349.8	328.0	319.2	341.1	346.8	r327.5	326.7	316.2
Imports, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Price, wholesale, cheddar, single daisies (Chicago), *$ per lb.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Condensed and evaporated milk:																
Production, case goods, *mil. lb.*	543.1	590.7	52.4	54.0	54.7	52.4	50.7	44.3	42.2	51.9	46.2	50.1	45.4	37.4	...	...
Stocks, manufacturers', case goods, end of period, *mil. lb.*	34.7	41.5	61.0	60.7	73.8	82.6	82.9	86.8	77.8	65.6	68.7	41.5	53.0	64.6	...	...
Exports, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fluid milk:																
Production on farms, *mil. lb.* ÷	125,683	128,300	11,096	10,850	11,280	10,897	10,900	10,673	10,263	10,532	10,184	10,659	10,760	r9,965	11,087	10,967
Utilization in manufactured dairy products, *mil. lb.*	90,451	93,781	8,244	8,045	8,376	8,235	8,080	7,585	7,231	7,533	7,106	7,564	7,802	7,682	...	...
Price, wholesale, U.S. average, $ per 100 lb.	12.26	13.10	12.50	12.50	12.90	13.20	13.40	13.50	13.50	13.40	13.10	12.80	12.02	12.30	r12.20	p12.40
Dry milk:																
Production:																
Dry whole milk, *mil. lb.*	106.8	147.5	10.7	11.8	13.1	14.5	13.7	15.5	10.6	14.1	12.2	11.8	13.0	13.0	...	...
Nonfat dry milk (human food), *mil. lb.*	877.5	873.0	82.8	82.2	89.2	81.3	76.0	59.2	52.8	53.6	56.7	80.9	76.5	83.6	...	...
Stocks, manufacturers', end of period:																
Dry whole milk, *mil. lb.*	8.5	9.1	7.2	8.6	9.2	10.9	12.4	7.9	6.7	8.9	9.8	9.1	6.3	7.2	...	...
Nonfat dry milk (human food), *mil. lb.*	61.0	77.4	62.4	66.2	76.3	98.4	112.5	113.6	95.6	81.9	79.9	77.4	70.3	70.4	...	...
Exports, whole and nonfat (human food), *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Price, manufacturers' average selling, nonfat dry milk (human food), *$ per lb.*	.893	1.030	.924	1.011	1.071	1.092	1.132	1.146	1.039	1.023	1.040	1.029	1.053	1.087	...	...
GRAIN AND GRAIN PRODUCTS																
Exports (barley, corn, oats, rye, wheat), *mil. bu.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Barley:																
Production (crop estimate), *mil. metric tons*	10.110	[2]9.936	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stocks (domestic), end of period, total, *mil. metric tons*	[6]7.150	[6]7.586	...	...	[4]2.800	...	...	9.110	...	...	7.546	...	...	5.325	...	...
On farms, *mil. metric tons*	[6]4.274	[6]4.319	...	...	[4].983	...	...	5.683	...	...	4.319	...	...	2.675	...	...
Off farms, *mil. metric tons*	[6]2.876	[6]3.268	...	...	[4]1.817	...	...	3.427	...	...	3.227	...	...	2.650	...	...
Exports, including malt, *thous. metric tons* §	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, No. 2 feed, Minneapolis, *1982=100*	108.3	112.9	115.1	116.9	117.4	114.8	115.1	107.9	110.9	111.6	108.6	107.6	107.9	109.3	110.2	110.7
Corn:																
Production (crop estimate, grain only), *mil. metric tons*	[2]189.86	[2]240.78	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stocks (domestic), end of period, total, *mil. metric tons*	[6]166.15	[6]200.71	...	...	[3]69.56	...	...	27.95	...	...	200.83	...	...	144.24	...	...
On farms, *mil. metric tons*	[6]109.09	[6]145.72	...	...	[3]38.55	...	...	15.38	...	...	145.72	...	...	92.21	...	...
Off farms, *mil. metric tons*	[6]57.07	[6]54.99	...	...	[3]31.02	...	...	12.57	...	...	55.11	...	...	52.04	...	...
Exports, including meal and flour, *mil. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, No. 2, Chicago, *1982=100*	97.0	96.0	108.9	102.9	104.6	107.0	96.4	88.3	89.0	83.8	82.0	85.6	85.7	84.1	86.7	92.7
Oats:																
Production (crop estimate), *mil. metric tons*	[2]3.534	[2]4.276	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stocks (domestic), end of period, total, *mil. metric tons*	[5]2.485	[5]1.854	...	...	[5]1.854	...	...	...	...	...	...	...	...	...	...	...
On farms, *mil. metric tons*	[5]1.341	[5].885	...	...	[5].885	...	...	...	...	...	...	...	...	...	...	...
Off farms, *mil. metric tons*	[5]1.144	[5].968	...	...	[5].968	...	...	...	...	...	...	...	...	...	...	...
Exports, including oatmeal, *metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, No. 2, Minneapolis, *1982=100*	70.4	86.4	91.1	82.1	88.8	88.2	83.5	79.1	90.3	83.1	87.4	90.7	91.3	88.9	85.7	89.8
Rice:																
Production (crop estimate), *mil. metric tons*	[2]7.142	[2]8.123	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Southern States mills:																
Receipts, rough, from producers, *mil. lb.*	10,150	...	562	440	514	490	552	...	...	...	...	...	...	...	...	...
Shipments from mills, milled rice, *mil. lb.*	6,614	...	569	554	513	475	534	...	...	...	...	...	...	...	...	...
Stocks, domestic, rough and cleaned (cleaned basis), end of period, *mil. lb.*	1,904	...	1,538	1,249	1,112	970	766	...	...	...	...	...	...	...	...	...
Exports, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, medium grain, milled, *1982=100*	110.2	r105.7	112.4	111.1	104.1	100.7	101.3	101.1	104.9	104.9	105.5	r98.7	93.5	92.5	89.4	88.2
Rye:																
Production (crop estimate), *mil. metric tons*	[2].248	[2].304	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, No. 2, Minneapolis, *1982=100*	...	...	...	...	...	...	...	74.7	...	82.1	87.9	...	...	...	87.9	...
Wheat:																
Production (crop estimate), total, *mil. metric tons*	[2]53.92	[2]66.92	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Spring wheat, *mil. metric tons*	[2]16.56	[2]23.20	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Winter wheat, *mil. metric tons*	37.36	[2]43.72	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Distribution, quarterly, *mil. metric tons* @	67.43	...	...	...	11.73	...	...	23.42	...	...	...	...	...	...	...	...
Stocks (domestic), end of period, total, *mil. metric tons*	[6]39.29	[6]43.24	...	...	[4]12.84	...	...	57.36	...	...	43.29	...	...	28.45	...	...
On farms, *mil. metric tons*	[6]15.37	[6]18.29	...	...	[4]3.94	...	...	26.65	...	...	18.29	...	...	10.29	...	...
Off farms, *mil. metric tons*	[6]23.91	[6]24.95	...	...	[4]8.91	...	...	30.70	...	...	25.00	...	...	18.17	...	...
Exports, total, including flour, *mil. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wheat only, *mil. bu.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
11. 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*	78.1	97.3	106.6	101.0	97.8	104.0	88.9	81.2	88.4	91.6	93.1	96.1	97.5	94.2	91.8	92.2
Hard red spring, No. 1, ord. protein (Minn.), *1982=100*	82.1	107.3	112.3	107.9	111.7	118.1	100.3	94.9	103.9	104.8	106.4	102.7	108.0	103.0	104.1	104.9
Wheat flour:																
Production:																
Flour, *thous. sacks (100 lb.)*	362,311	365,491	29,542	29,438	29,152	29,112	30,415	33,468	31,122	33,815	31,732	28,752				
Millfeed, *thous. sh. tons*	6,436	6,537	529	527	521	521	551	601	548	595	566	518				
Grindings of wheat, *thous. bu.*	808,966	822,391	65,701	66,313	65,806	65,859	68,695	75,864	70,514	76,465	70,702	64,350				
Stocks held by mills, end of period, *thous. sacks (100 lb.)*	5,660	5,662	5,522			6,083			6,120			5,662				
Exports, *thous. metric tons*																
Producer Price Index, *6/83=100*	94.5	107.4	111.5	110.3	109.2	111.0	104.9	99.6	104.1	104.4	104.7	103.5	107.6	108.0	107.3	108.4
POULTRY AND EGGS																
Poultry:																
Slaughter, *mil. lb.*	24,982	26,492	2,172	2,169	2,166	2,312	2,328	2,223	2,287	2,351	2,056	2,260	2,207	r2,029	2,319	
Stocks, cold storage (frozen), end of period, total, *mil. lb.*	579	651	699	754	808	920	1,015	1,032	1,096	1,073	678	651	694	r736	734	828
Turkeys, *mil. lb.*	264	272	392	430	487	580	662	684	734	715	321	272	315	r360	359	422
Price, in Georgia producing area, live broilers, *$ per lb.*	.295	.305	.285	.285	.305	.305	.330	.340	.305	.315	.320	.305	.300	.305	.310	.330
Eggs:																
Production on farms, *mil. cases* §	192.2	195.9	16.8	16.2	16.4	15.8	16.4	16.4	16.0	16.7	16.4	16.9	16.6	15.1	16.8	16.3
Stocks, cold storage, end of period:																
Shell, *thous. cases* §	21	15	28	27	34	30	29	23	22	17	15	15	12	r12	15	14
Frozen, *mil. lb.*	16	17	20	19	19	21	19	20	20	22	19	17	17	17	15	14
Price, wholesale, large (delivered; Chicago), *$ per doz*	.714	.589	.557	.574	.520	.560	.530	.579	.649	.582	.694	.680	.657	.636	.775	
LIVESTOCK																
Cattle and calves:																
Slaughter (federally inspected):																
Calves, *thous. animals*	1,398	1,336	120	108	103	105	106	107	107	111	109	121	101	97	116	96
Cattle, *thous. animals*	31,887	32,094	2,599	2,525	2,688	2,863	2,802	2,721	2,748	2,793	2,490	2,632	2,601	2,411	2,712	2,623
Prices, wholesale:																
Beef steers, *$ per 100 lb.*																
Steers, stocker and feeder, *$ per 100 lb.*																
Calves, vealers (So. St. Paul), *dollars*																
Hogs:																
Slaughter (federally inspected), *thous. animals*	85,952	92,613	7,934	7,610	6,897	7,166	7,461	7,494	8,217	8,599	7,796	8,142	7,649	6,921	7,958	7,840
Prices:																
Wholesale, average, all weights (Sioux City), *$ per 100 lb.*																
Hog-corn price ratio (bu. of corn equal in value to 100 lb. live hog)	21.4	18.3	15.7	r16.5	18.1	18.8	19.1	18.8	19.5	20.5	20.7	21.1	20.4	22.1	r22.3	20.9
Sheep and lambs:																
Slaughter (federally inspected), *thous. animals*	5,504	5,290	481	503	374	419	427	400	470	452	413	460	381	384	476	461
Price, wholesale, lambs, avg. (San Angelo, TX), *$ per 100 lb.* *																
MEATS																
Total meats (excluding lard):																
Production, *mil. lb.*	39,584	40,796	3,378	3,259	3,236	3,423	3,442	3,407	3,560	3,656	3,288	3,435	3,306	3,013	3,397	3,299
Stocks, cold storage, end of period, *mil. lb.*	662	615	725	707	692	665	646	596	613	638	627	615	649	r652	652	692
Exports (meats and meat preparations), *thous. metric tons*																
Imports (meats and meat preparations), *thous. metric tons*																
Beef and veal:																
Production, total, *mil. lb.*	23,223	23,267	1,877	1,812	1,925	2,064	2,039	2,004	2,019	2,039	1,807	1,881	1,845	1,698	1,884	1,804
Stocks, cold storage, end of period, *mil. lb.*	292	278	320	309	310	306	300	295	281	298	282	278	292	r285	299	284
Exports, *thous. metric tons*																
Imports, *thous. metric tons*																
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.)(Central U.S.), *$ per lb.*																
Lamb and mutton:																
Production, total, *mil. lb.*	362	343	32	33	25	27	27	25	30	29	27	29	25	25	32	30
Stocks, cold storage, end of period, *mil. lb.*	6	8	8	9	10	11	12	9	9	9	8	8	6	7	7	8
Pork (excluding lard):																
Production, total, *mil. lb.*	16,000	17,185	1,467	1,414	1,287	1,332	1,375	1,378	1,511	1,588	1,455	1,524	1,435	r1,290	1,481	1,465
Stocks, cold storage, end of period, *mil. lb.*	311	315	372	363	345	319	307	267	297	307	317	315	329	r342	329	378
Exports, *thous. metric tons*																
Imports, *thous. metric tons*																
Prices:																
Producer Price Index, hams and picnics, except canned, *12/88=100* *	114.6	r108.3	105.9	105.6	104.3	105.4	108.4	107.3	108.9	112.9	115.1	r116.9	109.7	109.6	110.6	109.7
Fresh loins, 8-14 lb. average, wholesale (Omaha), *$ per lb.* *																
MISCELLANEOUS FOOD PRODUCTS																
Cocoa (cacao) beans, imports (including shells), *thous. metric tons*																
Coffee:																
Imports, total, *metric tons*																
From Brazil, *metric tons*																
U.S. Import Price Index, *1990=100*	92.0	82.2	79.5			70.3			89.4			89.4			81.0	
Fish:																
Stocks, cold storage, end of period, *mil. lb.*	380	396	r328	321	313	305	332	375	384	390	386	396	361	320	316	

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11. FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																
MISCELLANEOUS FOOD PRODUCTS—Continued																
Sugar:																
Exports, raw and refined, *metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports, raw and refined, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Indexes:																
Raw (cane), *1982=100*	113.7	112.1	112.6	112.4	111.4	110.6	111.0	111.7	112.7	113.6	112.8	r111.1	109.3	109.5	112.1	113.9
Refined, *1982=100*	121.6	r119.8	120.2	120.2	119.9	120.0	120.0	120.4	119.6	119.2	119.2	r119.0	118.2	118.5	118.3	118.7
Tea, imports, *metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOBACCO																
Leaf:																
Production (crop estimate), *mil. lb.*	1,664	[1] 1,684	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stocks, dealers' and manufacturers', end of period, *mil. lb.*	3,744	3,740	3,560	...	...	3,276	...	...	3,565	...	...	3,740	...	...	...	...
Exports, incl. scrap and stems, *metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports, incl. scrap and stems, *metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manufactured products:																
Consumption (withdrawals):																
Cigarettes (small):																
Tax-exempt, *millions*	193,778	199,238	11,040	12,572	13,896	17,461	15,071	22,490	21,738	24,306	19,519	19,195	...	...	...	...
Taxable, *millions*	516,338	510,494	48,518	43,622	39,012	51,667	38,331	43,718	42,972	44,712	44,221	38,419	...	...	...	...
Cigars (large), taxable, *millions*	2,133	2,107	181	162	165	217	168	185	194	178	190	172	...	...	...	...
Exports, cigarettes, *millions*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12. LEATHER AND PRODUCTS																
LEATHER																
Exports:																
Upper and lining leather, *thous. sq. ft.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, leather, *1982=100*	168.4	163.7	163.4	162.8	163.9	164.0	164.7	163.7	164.8	165.1	164.0	r165.1	166.0	169.0	168.9	168.8
LEATHER MANUFACTURES																
Footwear:																
Production, total, *thous. pairs*	167,386	167,983	41,993	...	...	[3] 41,188	...	...	44,401	...	...	40,401	...	...	...	...
Shoes, sandals, and play shoes, except athletic, *thous. pairs*	116,310	116,505	29,815	...	...	[3] 29,006	...	...	29,320	...	...	28,364	...	...	...	...
Slippers, *thous. pairs*	42,963	43,321	10,430	...	...	[3] 10,129	...	...	13,079	...	...	9,683	...	...	...	...
Athletic, *thous. pairs*	8,113	8,157	1,748	...	...	[3] 2,053	...	...	2,002	...	...	2,354	...	...	...	...
Other footwear, *thous. pairs*	2,449	1,914	494	...	...	[3] 577	...	...	457	...	...	386	...	...	...	...
Exports, *thous. pairs*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Indexes:																
Men's leather upper, dress and casual, *1982=100*	141.0	r145.0	143.8	143.8	143.7	143.7	145.2	146.1	146.1	145.1	145.2	r147.2	148.0	148.2	147.7	147.7
Women's leather upper, *1982=100*	124.0	126.4	126.1	126.4	126.4	126.6	126.5	126.7	126.9	126.5	126.5	r127.0	127.4	127.8	127.9	127.8
Women's plastic upper, *1982=100*	115.2	r121.2	119.9	119.7	120.4	121.5	121.5	121.5	122.9	122.9	123.5	r123.5	123.5	123.9	123.9	124.0
13. LUMBER AND PRODUCTS																
LUMBER—ALL TYPES #																
[Millions of board feet, unless otherwise indicated]																
National Forest Products Association:																
Production, total	58,834	45,444	4,121	3,862	3,632	3,911	3,882	3,746	3,736	4,048	3,617	3,425	r3,486	3,555	...	...
Hardwoods	10,213	11,210	952	962	931	960	996	959	947	998	907	905	820	869	...	...
Softwoods	33,763	34,234	3,169	2,900	2,701	2,951	2,886	2,787	2,789	3,050	2,710	2,520	r2,666	2,686	...	...
Shipments, total	43,860	45,703	4,078	3,682	3,565	3,936	3,884	3,878	3,692	4,147	3,745	3,491	r3,511	3,549	...	...
Hardwoods	9,844	11,005	951	904	869	899	921	910	908	1,039	933	917	847	841	...	...
Softwoods	34,016	34,698	3,127	2,778	2,696	3,037	2,963	2,968	2,784	3,108	2,812	2,574	r2,664	2,708	...	...
Stocks (gross), mill, end of period, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hardwoods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Softwoods	4,616	4,206	4,608	4,730	4,731	4,678	4,606	4,418	4,419	4,365	4,263	4,206	4,211	4,187	...	...
Exports, total sawmill products	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports, total sawmill products, *thous. cubic meters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOFTWOODS																
[Millions of board feet, unless otherwise indicated]																
Douglas fir:																
Orders, new	8,009	7,921	750	626	617	739	599	646	675	718	608	677	541	601	754	...
Orders, unfilled, end of period	504	579	528	542	465	532	492	461	496	523	506	579	525	499	560	...
Production	7,908	7,810	748	643	644	659	642	630	654	703	629	563	601	637	737	...
Shipments	7,957	7,850	703	612	694	676	639	677	640	691	625	604	594	627	693	...
Stocks (gross), mill, end of period	723	690	774	805	669	745	748	701	715	727	731	690	696	706	750	...
Exports, total sawmill products, *thous. cubic meters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sawed timber, *thous. cubic meters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Boards, planks, scantlings, etc., *thous. cubic meters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, Douglas fir, dressed, *1982=100*	139.6	r169.5	169.8	171.1	167.8	161.8	167.0	170.9	176.6	172.1	177.5	r186.3	200.7	226.1	250.3	265.9

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
13. LUMBER AND PRODUCTS—Continued																
SOFTWOODS—Continued																
[Millions of board feet, unless otherwise indicated]																
Southern pine:																
Orders, new	12,287	14,370	1,201	1,086	1,035	1,264	1,376	1,249	948	1,397	1,241	1,076	r1,025	1,285	...	...
Orders, unfilled, end of period	571	957	719	674	684	741	800	859	708	839	931	957	852	1,023	...	...
Production	12,367	13,812	1,177	1,180	1,067	1,170	1,228	1,115	1,143	1,215	1,108	1,076	r1,115	1,118	...	...
Shipments	12,415	14,041	1,189	1,134	1,024	1,205	1,315	1,193	1,109	1,251	1,152	1,055	r1,137	1,107	...	...
Stocks (gross), mill and concentration yards, end of period	2,134	1,931	2,069	2,114	2,158	2,125	2,043	1,959	1,990	1,957	1,913	1,931	1,911	1,920	...	...
Exports, total sawmill products, *cubic meters*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, southern pine, dressed, *1982=100*	111.0	r130.6	133.9	135.7	134.2	126.4	123.5	127.9	136.3	129.9	131.4	r141.4	154.9	164.6	184.0	184.2
Western pine:																
Orders, new	9,535	9,385	878	669	746	891	690	888	737	893	782	675	766	699	629	...
Orders, unfilled, end of period	493	504	524	470	441	471	442	520	482	499	502	504	562	532	451	...
Production	9,510	9,244	880	755	790	832	743	765	746	858	730	653	707	694	706	...
Shipments	9,525	9,374	877	723	774	863	719	810	775	876	779	672	708	729	710	...
Stocks (gross), mill, end of period	1,196	1,064	1,185	1,217	1,274	1,200	1,224	1,179	1,150	1,132	1,083	1,064	1,063	1,028	1,024	...
Producer Price Index, other softwood, dressed, *1982=100*	130.0	157.3	167.3	170.7	167.9	159.6	153.8	147.7	150.4	148.8	153.7	r168.0	181.1	210.3	232.8	230.1
HARDWOOD FLOORING																
[Millions of board feet]																
Oak:																
Orders, unfilled, end of period	15.8	22.4	18.2	17.7	14.7	13.7	14.7	14.1	15.8	16.7	21.2	22.4	22.9	21.2	21.7	21.7
Shipments	199.9	222.5	19.4	18.4	16.5	18.5	17.3	20.1	21.1	19.5	17.4	18.9	18.4	17.7	21.2	18.2
Stocks (gross), mill, end of period	7.7	5.5	6.8	7.1	8.2	7.3	7.0	7.5	6.3	5.7	5.6	5.5	5.3	4.1	4.1	3.4
14. METALS AND MANUFACTURES																
IRON AND STEEL																
[Thousands of short tons]																
Exports:																
Steel mill products	6,346	4,289	357	389	369	376	297	336	332	341	355	348	354	335	359	...
Scrap	10,301	10,142	744	707	969	775	937	645	987	956	817	909	716	851	818	...
Pig iron	17	36	4	2	2	2	1	2	3	3	8	2	4	3	3	...
Imports:																
Steel mill products	15,741	16,974	1,288	1,584	1,425	1,394	1,390	1,438	1,383	1,386	1,614	1,364	1,535	838	1,380	...
Scrap	1,183	1,408	125	112	165	90	90	144	124	144	127	120	103	130	133	...
Pig iron	479	545	75	18	21	61	37	56	25	67	72	40	94	26	120	...
Iron and Steel Scrap																
[Thousands of metric tons, unless otherwise indicated]																
Production	21,300	21,167	1,901	1,907	1,704	1,825	1,761	1,731	1,734	1,707	1,539	1,667	...	...	...	...
Receipts, net	35,773	40,219	2,530	3,409	3,415	3,493	3,215	3,320	3,451	3,666	3,437	3,424	...	...	...	...
Consumption	57,828	63,764	5,520	5,392	5,432	5,371	5,059	5,211	5,273	5,468	5,277	5,286	...	...	...	...
Stocks, end of period	4,250	3,910	4,210	4,190	4,170	4,188	4,187	4,132	4,192	4,079	4,002	3,910	...	...	...	...
Composite price, No. 1 heavy melting scrap: American Metal Market, *$ per metric ton*	91.79	84.67	86.61	87.24	85.90	83.72	83.66	83.95	84.32	83.00	82.67	85.49	96.91	104.80	104.98	...
Ore																
[Thousands of metric tons]																
Iron ore (operations in all U.S. districts):																
Mine production	55,516	55,513	4,412	4,845	5,133	4,624	4,771	4,630	4,993	4,538	4,180	4,276	4,391	4,171	4,559	...
Shipments from mines	54,967	56,529	2,532	5,431	6,056	5,941	6,049	6,186	4,859	5,291	5,069	4,890	2,170	1,222	2,618	...
Imports	13,335	12,503	386	759	1,564	1,453	1,282	1,175	1,335	1,583	1,130	717	639	684	...	...
U.S. and foreign ores and ore agglomerates:																
Receipts at iron and steel plants	65,133	66,711	2,836	5,604	6,997	7,565	7,273	6,765	6,525	6,453	5,827	5,813	r3,013	r2,122	2,938	...
Consumption at iron and steel plants	63,658	68,552	5,970	5,809	5,823	5,588	5,669	5,672	5,414	5,763	5,572	5,776	r5,951	r5,570	5,913	...
Exports (domestic)	4,045	5,057	3	475	540	708	628	526	493	555	383	440	240	2	...	...
Stocks, total, end of period	25,445	22,856	20,922	20,550	21,501	22,492	23,046	21,721	22,735	23,190	23,433	22,856	r21,539	r20,824	20,639	...
At mines	4,853	3,783	11,745	11,159	10,236	9,027	7,763	6,438	5,976	5,227	4,344	3,783	6,075	9,030	10,927	...
At furnace yards	17,611	16,092	8,175	7,991	9,161	11,157	12,769	13,925	15,040	15,731	15,985	16,092	r13,154	r9,707	8,175	...
At U.S. docks	2,981	2,981	1,002	1,400	2,104	2,308	2,514	2,834	2,923	2,938	3,104	2,981	r2,310	r2,087	1,537	...
Manganese (manganese content), general imports	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pig Iron and Iron Products																
[Thousands of short tons, unless otherwise indicated]																
Pig iron:																
Production (including production of ferroalloys)	48,503	52,224	4,524	4,400	4,444	4,232	4,347	4,299	4,065	5,329	4,268	4,306	4,503	4,503	4,454	...
Consumption, *thous. metric tons*	44,638	51,103	4,379	4,290	4,307	4,162	4,255	4,258	4,063	4,056	4,482	4,466	...	...	...	...
Stocks, end of period, *thous. metric tons*	214	217	184	211	222	211	216	224	220	226	216	217	...	...	...	...
Castings, gray and ductile iron:																
Shipments, total	7,174	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
For sale	5,391	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Castings, malleable iron:																
Shipments, total	261	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
For sale	140	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

See footnotes at end of tables.

14. METALS AND MANUFACTURES—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Steel, Raw and Semifinished																
[Thousands of short tons, unless otherwise specified]																
Steel (raw):																
Production	87,896	92,949	8,043	7,875	7,968	7,584	7,545	7,526	7,249	7,742	7,449	7,438	7,942	7,942	8,148	...
Rate of capability utilization, *percent*	74.2	82.2	83.5	85.3	83.5	82.1	78.9	78.7	78.3	80.9	80.4	77.7	81.6	84.8	87.0	...
Steel castings:																
Shipments, total	1,001	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
For sale, total	908	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Steel Mill Products																
[Thousands of short tons]																
Steel products, net shipments:																
Total (all grades)	78,868	76,625	7,101	6,949	6,751	7,105	6,693	6,786	6,934	7,090	6,512	6,572	6,976	6,867	7,886	...
By product:																
Semifinished products	6,872	6,305	587	627	571	563	555	580	555	533	513	548	570	552	636	...
Structural shapes (heavy), steel piling	5,722	5,518	422	445	470	450	478	472	504	539	478	470	467	468	496	...
Plates	6,938	6,579	635	628	588	414	637	575	578	611	546	541	591	581	694	...
Rails and accessories	486	563	59	68	47	36	36	32	31	29	30	42	56	58	65	...
Bars and tool steel, total	13,214	12,219	1,167	1,075	1,062	1,155	1,139	1,106	1,144	1,151	1,043	1,070	1,144	1,170	1,203	...
Bars: Hot rolled (including light shapes)	6,902	5,229	619	590	579	637	581	518	606	617	533	554	628	619	658	...
Bars: Reinforcing	4,934	4,781	413	355	354	380	437	416	409	403	391	407	388	426	398	...
Bars: Cold finished	1,326	1,147	130	125	124	132	115	113	123	126	113	105	123	120	142	...
Pipe and tubing	4,488	3,645	375	328	364	382	338	335	340	381	361	352	370	365	398	...
Wire-drawn and/or rolled	864	815	86	87	75	79	78	73	71	71	57	50	65	71	82	...
Tin mill products	4,040	3,927	344	331	351	392	344	354	323	313	301	328	326	312	374	...
Sheets and strip (including electrical), total	36,244	r39,521	3,426	3,361	3,221	3,390	3,087	3,259	3,388	3,461	3,182	3,171	3,387	3,290	3,928	...
Sheets: Hot rolled	12,987	r13,211	1,133	1,128	1,042	1,079	1,017	1,090	1,140	1,128	1,079	1,125	1,081	1,094	1,306	...
Sheets: Cold rolled	11,356	r12,760	1,145	1,099	1,035	1,082	1,007	1,029	1,127	1,108	998	986	1,078	965	1,168	...
By market (quarterly):																
Service centers and distributors	17,485	...	5,165	...	...	4,872	...	...	1,714	...	...	4,918	...	...	5,301	...
Construction, incl. maintenance	6,814	7,172	1,697	...	...	1,897	...	...	1,798	...	...	1,780	...	...	1,786	...
Contractors' products	2,261	2,466	613	...	...	607	...	...	633	...	...	613	...	...	578	...
Automotive	9,445	10,697	2,656	...	...	2,901	...	...	2,532	...	...	2,608	...	...	3,047	...
Rail transportation	837	890	250	...	...	250	...	...	190	...	...	200	...	...	262	...
Machinery, industrial equipment, tools	1,648	1,646	414	...	...	433	...	...	413	...	...	386	...	...	454	...
Containers, packaging, ship. materials	4,278	3,968	941	...	...	1,100	...	...	1,038	...	...	889	...	...	1,026	...
Other	36,100	35,130	8,859	...	...	8,965	...	...	8,747	...	...	8,559	...	...	9,070	...
[Millions of short tons]																
Producing steel mills, inventory, end of period:																
Total	12.9	12.6	13.1	13.0	13.1	12.7	12.9	12.9	12.6	12.5	12.5	12.6	12.7	12.8	12.1	...
Steel in process	7.5	7.2	7.5	7.5	7.5	7.4	7.3	7.3	7.0	7.0	7.1	7.2	7.4	7.5	7.0	...
Finished steel	5.4	5.3	5.6	5.5	5.6	5.3	5.6	5.6	5.6	5.5	5.4	5.3	5.3	5.3	5.1	...
Steel service centers (warehouses), inventory, end of period	5.9	5.9	6.1	5.8	5.9	5.8	6.0	5.4	5.8	5.8	5.8	5.9	5.9	5.9	5.8	...
NONFERROUS METALS AND PRODUCTS																
[Thousands of metric tons, unless otherwise specified]																
Aluminum:																
Production, primary (dom. and foreign ores)	4,121	r4,042	343	330	342	330	339	340	330	343	355	347	335	292	...	...
Recovery from scrap	2,210	r2,284	r195	199	r203	190	190	189	r191	r197	r176	171	171	166	...	...
Imports:																
Metal and alloys, crude	1,024.7	1,155.4	97.1	94.6	96.3	87.8	82.4	103.4	94.3	108.4	100.5	96.8	120.8	...	...	...
Plates, sheets, bars, etc	256.5	305.8	25.0	26.8	26.0	26.0	30.0	25.9	25.9	25.9	26.0	25.9	30.6	...	...	...
Exports:																
Metal and alloys, crude	792.8	603.1	49.7	38.6	33.6	39.8	50.0	50.3	40.4	82.1	50.5	73.5	54.8	...	...	...
Plates, sheets, bars, etc	508.7	553.8	52.1	49.9	49.9	52.4	44.8	46.9	46.4	45.5	41.2	28.4	46.4	...	...	...
Price, U.S. market, 99.7% purity, monthly average, *$ per lb.*	.5946	.5752	.5928	.6103	.5999	.5842	.5982	.5965	.5815	.5373	.5276	.5553	.5613	.5550	.5353	.5184
Aluminum products:																
Shipments:																
Ingot and mill prod. (net ship.), *mil. lb.*	15,298	r15,860	1,343	1,251	1,275	1,327	1,325	1,350	1,327	1,421	1,287	1,380	1,320	1,311	1,501	...
Mill products, total, *mil. lb.*	11,667	r12,380	1,093	1,070	1,073	1,068	1,060	1,027	1,033	1,073	962	946	981	977	1,123	...
Sheet and plate, *mil. lb.*	7,501	8,131	702	686	691	687	696	663	689	692	693	636	582	601	690	...
Castings, *mil. lb.*	1,905	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Inventories, total (ingot, mill products, and scrap), end of period, *mil. lb.*	3,913	47,097	3,899	3,971	4,032	4,008	3,869	3,872	3,926	3,868	3,967	r4,133	4,360	4,265	4,372	...
Copper:																
Production:																
Mine, recoverable copper	1,631.1	r1,760.5	141.5	143.0	151.3	149.1	155.2	152.0	152.0	151.5	150.0	154.2	135.5	135.9	...	...
Refined from primary materials	1,577.4	r1,720.4	140.3	145.6	134.4	139.0	153.3	r145.1	149.1	151.5	145.7	155.5	141.7	128.3	...	...
Electrolytically refined @	1,136.2	r1,197.6	100.2	103.6	91.2	93.5	106.5	101.9	105.0	102.4	102.4	108.9	104.1	87.1	...	...
Electrowon	441.2	r522.8	40.0	42.0	43.2	45.5	46.8	43.1	r44.2	44.4	43.3	46.7	37.5	41.1	...	...
Refined from scrap	417.8	r433.2	39.8	34.8	36.7	39.4	27.8	35.4	39.8	40.0	34.3	35.8	35.3	45.1	...	...
Imports, unmanufactured:																
Refined, unrefined, scrap (copper cont.)	442.0	509.6	45.0	44.6	37.6	46.2	45.0	37.6	47.7	32.5	32.4	44.2	31.7	...	...	...
Refined	288.6	289.1	31.9	25.2	25.3	26.1	24.7	25.3	24.0	19.6	20.3	20.8	21.8	...	...	...
Exports:																
Refined and scrap	679.7	556.8	39.9	34.2	30.5	43.2	38.4	48.1	51.2	42.7	66.3	64.4	38.3	...	...	...
Refined	263.2	176.9	10.8	12.3	11.7	12.0	9.3	13.0	13.6	24.1	14.1	16.1	14.0	...	...	...
Consumption, refined (reported by mills, etc.)	2,058	r2,183	197	192	189	199	173	163	188	r189	r167	r158	191	182	...	...
Stocks, refined, end of period	132	r204	122	123	116	115	132	154	r165	r166	172	r204	203	192	...	...
Price, avg. U.S. producer cathode, delivered, *$ per lb.* §	1.0933	1.0742	1.0618	1.0474	1.0493	1.0910	1.1865	1.1714	1.1250	1.0515	1.0139	1.0354	1.0540	1.0365	...	...

See footnotes at end of tables.

14. METALS AND MANUFACTURES—Continued

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NONFERROUS METALS AND PRODUCTS—Continued																
[Thousands of metric tons, unless otherwise specified]																
Copper-base mill and foundry products, shipments (quarterly total):																
Brass mill products, *mil. lb.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Copper wire mill products (copper content), *mil. lb.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brass and bronze foundry products, *mil. lb.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lead:																
Production:																
Mine, recoverable lead	[1] 465.9	r393.7	34.0	31.2	31.5	32.4	33.8	32.5	32.5	33.3	30.8	r31.7	33.3	...	...	...
Recovered from scrap (lead content)	[1] 883.7	887.8	66.5	71.0	73.3	72.3	71.1	77.7	77.5	79.6	76.9	74.3	71.1	...	...	...
Imports, ore (lead content)	[4] 128.9	196.0	15.2	17.7	15.7	16.3	15.6	14.3	18.7	19.9	r22.0	17.1	...	...	...	...
Consumption, total	1,246.3	r1,210.8	108.3	98.5	96.0	103.5	94.8	104.8	106.6	105.4	98.2	r92.9	108.5	...	...	...
Stocks, end of period:																
Producers', ore, base bullion, and in process (lead content), ABMS	68.8	64.2	67.1	70.0	65.5	67.9	69.7	67.8	68.3	69.4	64.0	64.2	61.8	60.9	61.0	66.7
Refiners' (primary), refined and antimonial (lead content)	r9.1	20.5	21.6	25.2	28.9	26.5	26.6	22.3	17.7	15.0	14.8	20.5	28.1	...	...	...
Consumers' (lead content) ◊	72.0	r65.0	53.6	60.4	62.6	63.3	68.6	65.6	65.3	61.6	63.2	r65.0	66.2	...	...	...
Scrap (lead-base, purchased), all smelters (gross weight)	16.8	15.9	16.7	17.3	13.3	13.1	16.5	17.3	19.2	18.9	15.1	17.0	13.6	...	...	...
Price, common grade, delivered, *$ per lb.* @@	.3348	.3510	.3430	.3438	.3427	.3453	.3633	.3869	.3849	.3591	.3307	.3247	.3215	.3152	.3141	.3156
Tin:																
Imports (for consumption):																
Ore (tin content), *metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Metal, unwrought, unalloyed, *metric tons*	29,102	27,314	2,027	1,940	1,877	3,319	2,896	3,058	1,625	1,512	1,790	1,977	2,089	...	...	...
Recovery from scrap, total (tin content), *metric tons*	12,949	6,099	544	535	543	562	470	551	529	519	504	472	r524	495	...	...
As metal, *metric tons*	234	208	17	18	17	17	17	18	17	18	17	17	...	...	...	...
Consumption, total, *metric tons*	49,000	43,900	3,800	3,800	3,700	3,800	3,800	3,500	3,600	3,600	3,400	3,300	r3,400	3,500	...	...
Primary, *metric tons*	36,900	33,400	2,800	2,800	2,700	2,800	2,800	2,800	2,900	2,900	2,700	2,600	r2,700	2,700	...	...
Exports (metal), *metric tons*	970	1,889	136	232	113	186	121	144	199	179	101	110	233	...	...	...
Stocks, pig (industrial), end of period, *metric tons*	3,024	37,603	2,844	2,877	2,901	2,651	3,111	3,321	3,454	3,654	3,178	3,221	r3,368	3,373	...	...
Price, Straits quality (delivered), *$ per lb.*	3.6285	4.0236	3.7525	3.8683	4.0270	4.3167	4.5323	4.4188	4.3420	3.9800	3.8000	3.8100	r3.9000	r3.8400	3.7800	...
Zinc:																
Mine prod., recoverable zinc	517.8	r520.1	47.7	40.3	40.7	40.4	46.2	49.1	47.6	36.2	40.4	42.2	48.0	42.8	...	...
Imports:																
Ores (zinc content)	45.4	44.6	10.6	3.9	2.3	2.0	4.7	6.8	2.5	2.1	2.6	1.6	4.6	...	...	...
Metal (slab, blocks)	549.1	644.7	52.6	58.8	50.3	39.7	52.2	55.7	53.1	58.4	58.4	48.5	49.3	...	...	...
Consumption (recoverable zinc content):																
Ores	2.4	2.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	...	...	...
Scrap, all types	252.8	253.2	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	...	...	...
Slab zinc:																
Production, total ÷	194.4	209.5	18.0	17.2	17.3	17.7	16.5	17.4	18.1	18.6	16.9	17.4	17.4	16.8	18.5	17.2
Consumption, fabricators	902.0	r1,030.0	85.0	89.9	76.0	76.9	83.0	84.5	87.0	93.0	80.6	80.0	r84.0	80.0	...	...
Exports	5.5	6.0	.4	.4	.6	.6	.6	.5	.5	.5	.5	.5	.6	...	...	...
Stocks, end of period:																
Producers', at smelter (ABMS)	4.6	7.3	6.7	5.3	5.7	4.8	4.5	4.5	3.8	4.4	4.9	7.3	7.1	5.4	4.5	4.7
Consumers'	38.9	38.5	37.0	37.0	39.5	45.4	36.9	39.5	37.5	36.0	37.6	38.5	r37.7	37.2	...	...
Price, high grade, *$ per lb.*	[3] .5277	.5838	.5695	.6053	.6317	.6375	.6239	.6495	.6537	.5596	.5000	.5012	.5052	.5090	.4726	...
MACHINERY AND EQUIPMENT																
[Millions of dollars, unless otherwise specified]																
Industrial heating equipment, new orders (domestic), qtrly #	404.0	...	73.3	...	...	68.5	...	...	...	...	...	...	...	...	...	...
Electric processing heating equipment	87.9	...	13.5	...	...	14.1	...	...	...	...	...	...	...	...	...	...
Fuel-fired processing heating equipment	133.3	...	13.1	...	...	11.4	...	...	...	...	...	...	...	...	...	...
Materials handling equipment, dollar value bookings index, *1982=100*	135.1	...	179.3	154.0	153.2	186.1	...	...	...	...	...	...	...	...	...	...
Industrial supplies, machinery, and equipment:																
New orders index, seas. adj., *1987=100*	107.5	116.1	116.1	115.1	112.8	118.1	125.1	128.2	119.7	112.3	114.3	117.8	116.7	115.9	119.0	...
Industrial suppliers distribution:																
Sales index, not seas. adj., *1990=1.00*	.9552	.9852	1.0213	.9997	.9648	1.0221	.9408	.9708	1.0024	1.0526	.9395	.9929	...	...	...	...
Inflation index, not seas. adj. (tools, material handling equipment, valves, fittings, abrasives, fasteners, metal products, etc.), *1977=100*	195.9	199.8	198.5	199.2	199.5	199.8	199.5	199.3	199.4	199.2	199.4	199.8	...	...	...	...
Fluid power products shipments indexes:																
Hydraulic products, *1990=100*	87.9	91.9	96.9	93.3	89.5	96.7	90.9	90.0	96.7	99.2	86.5	88.9	92.7	96.4	112.8	102.3
Pneumatic products, *1990=100*	99.3	101.3	106.1	104.8	95.9	105.0	104.0	98.5	101.5	106.3	95.3	103.5	103.8	109.1	127.5	112.3
Machine tools:																
Metal cutting type tools:																
Orders, new (net), total	1,893.95	r1,756.35	183.40	158.00	109.35	145.50	154.60	91.50	204.70	119.00	122.30	240.85	127.10	r211.90	242.80	250.75
Domestic	1,549.20	1,531.75	163.20	134.25	96.50	124.75	142.70	74.80	163.90	102.20	112.15	123.25	106.40	195.95	223.00	245.30
Shipments, total	1,871.80	1,917.80	215.45	156.45	124.40	161.15	133.10	131.70	199.70	142.40	137.45	269.50	166.90	r181.45	223.10	186.10
Domestic	1,595.35	1,605.05	185.70	130.50	100.30	139.80	110.10	107.25	165.70	117.25	120.55	208.60	146.65	r150.30	199.40	165.45
Order backlog, end of period	1,186.2	1,024.7	1,225.8	1,227.3	1,212.2	1,196.6	1,218.1	1,177.9	1,182.9	1,159.5	1,144.4	1,024.7	984.9	r1,015.4	1,035.1	1,099.7
Metal forming type tools:																
Orders, new (net), total	748.15	725.90	59.40	61.50	49.80	65.95	50.75	68.75	71.15	87.75	39.00	56.35	48.45	r70.75	89.30	97.45
Domestic	546.35	608.80	47.65	56.05	37.60	50.20	37.40	60.85	61.60	81.65	30.95	48.65	34.65	r47.80	80.80	65.00
Shipments, total	801.65	678.15	71.05	42.85	45.10	78.30	50.90	39.75	54.30	55.25	74.35	52.00	82.00	r55.50	94.75	63.60
Domestic	624.60	547.10	52.30	34.65	33.40	62.80	44.10	33.15	49.10	40.90	68.30	43.75	72.85	r43.65	84.05	51.35
Order backlog, end of period	250.9	298.7	240.4	259.1	263.8	251.5	251.3	280.3	297.2	329.7	294.3	298.7	265.1	r271.4	265.9	299.8

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
14. METALS AND MANUFACTURES—Continued																
MACHINERY AND EQUIPMENT—Continued																
Tractors used in construction, shipments, qtrly:																
Tracklaying (ex. shovel loaders), *units*	7,423	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tracklaying (ex. shovel loaders), *mil. $*	988.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wheel (contractors' off-highway), *units*	2,609	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wheel (contractors' off-highway), *mil. $*	244.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shovel loaders, *units*	56,094	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shovel loaders, *mil. $*	1,854.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ELECTRICAL EQUIPMENT																
[Thousands]																
Batteries (auto.-type replacement), shipments	66,585	65,347	5,116	4,367	4,770	5,557	5,526	6,099	6,696	6,731	6,052	5,677	4,451	r4,773	6,224	...
Radio sets, factory sales, domestic market ‡‡	18,530	21,552	1,585	1,404	1,344	1,524	1,783	1,929	2,813	2,556	2,100	1,624	1,440	1,384	1,632	...
Television sets (incl. combination models), production, total market ‡‡	19,649	21,304	1,821	1,489	1,619	1,869	1,402	1,933	2,448	2,046	1,902	1,932	1,673	1,632	2,109	1,537
Household major appliances, industry shipments #	40,997	44,306	4,107	3,842	3,846	4,035	3,671	3,664	3,855	3,837	3,448	3,618	3,021	3,392	4,873	3,648
Air conditioners (room)	2,807	2,839	523	545	557	380	243	106	5	24	22	104	134	236	478	453
Dishwashers	3,571	3,820	331	321	293	321	300	310	329	346	359	370	285	307	378	317
Disposers (food waste)	4,002	4,196	350	298	304	416	311	389	458	331	295	401	342	333	428	320
Microwave ovens/ranges	7,234	8,390	689	618	650	628	620	736	787	903	754	627	499	559	709	495
Ranges	3,309	3,576	300	302	270	301	281	289	305	346	335	343	259	276	338	305
Refrigerators	7,273	7,760	614	640	657	788	813	660	716	691	595	643	449	529	636	615
Freezers	1,414	1,677	128	120	132	176	205	166	135	160	138	136	78	121	130	119
Washers	6,197	6,514	602	508	495	553	486	575	625	582	534	540	516	534	675	506
Dryers, including gas	4,313	4,719	435	357	356	388	340	394	449	434	399	425	413	406	494	379
Vacuum cleaners (qtrly.)	10,970	11,681	2,913	...	...	2,702	...	...	2,894	...	...	3,172	...	...	3,365	...
GAS EQUIPMENT (RESIDENTIAL)																
[Thousands]																
Furnaces, warm air, shipments	2,057	2,107	158	152	142	166	176	195	224	236	180	162	165	158	158	...
Ranges, total, shipments	2,401	2,617	208	213	209	224	204	193	224	257	250	267	180	198	247	214
Water heaters (storage), automatic, shipments	3,936	4,241	364	364	335	339	308	316	338	370	374	418	383	375	418	...
15. PETROLEUM, COAL, AND PRODUCTS																
COAL																
[Thousands of short tons, unless otherwise specified]																
Anthracite:																
Production	3,445	r3,542	279	296	274	287	r305	r337	r311	r322	r321	r306	174	170	185	191
Exports, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, *1982=100*	105.6	105.8	106.4	105.7	105.2	105.2	105.4	105.5	106.0	106.0	105.7	r105.8	105.7	105.8	105.8	105.8
Bituminous and lignite:																
Production	992,539	r996,708	r85,827	r82,377	r80,210	r79,981	r80,768	r84,401	r83,555	r86,265	r80,240	r83,021	79,361	75,340	83,762	80,822
Consumption, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Electric power utilities	772,315	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Coke plants (oven and beehive)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Residential and commercial	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Stocks, end of period, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Electric power utilities	158,004	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Industrial, total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oven-coke plants	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Exports excluding lignite, *thous. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, *1982=100*	97.1	94.9	93.6	94.7	94.9	95.9	95.2	95.0	95.0	95.6	94.7	r96.4	94.8	94.9	95.1	94.7
COKE																
[Thousands of short tons, unless otherwise specified]																
Production:																
Beehive and oven (byproduct)	24,046	...	5,892	...	...	5,850	...	...	5,837	...	...	...	...	...	...	...
Petroleum coke §	41,493	43,380	3,565	3,523	3,676	3,720	3,850	3,634	3,546	3,495	3,525	3,870	3,708	3,445	...	...
Stocks, end of period:																
Oven-coke plants, total	2,107	...	2,101	...	...	2,027	...	...	2,055	...	...	...	...	...	...	...
At furnace plants	1,856	...	1,838	...	...	1,755	...	...	1,784	...	...	...	...	...	...	...
At merchant plants	252	...	263	...	...	271	...	...	271	...	...	...	...	...	...	...
Petroleum coke	1,953	1,905	2,026	2,198	2,354	2,267	2,212	2,170	2,288	1,792	1,865	1,905	2,099	2,119	...	...
Exports, *thou. metric tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PETROLEUM AND PRODUCTS																
[Millions of barrels, unless otherwise specified]																
Crude petroleum:																
Producer Price Index, *1982=100*	61.9	58.0	51.0	56.0	59.2	64.3	61.9	60.5	63.1	63.4	58.5	r53.8	52.4	56.5	58.1	57.6
Gross input to crude oil distillation units	4,930.4	4,982.6	412.0	403.0	429.3	428.6	439.5	423.1	418.6	423.1	413.9	414.8	408.5	368.5	...	...
Refinery operating ratio, *% of capacity*	86	88	85	86	88	92	91	89	91	89	90	87	87	87	...	...
All oils, supply, demand, and stocks:																
New supply, total ◊	6,129.8	6,157.4	500.8	514.6	516.3	500.6	538.7	524.9	509.4	542.2	505.3	522.7	533.8	472.3	...	...
Production:																
Crude petroleum	2,707.0	2,618.3	226.8	218.7	220.4	214.2	220.0	214.8	210.6	219.0	210.8	220.9	217.2	194.8	...	...
Natural gas plant liquids	639.2	668.5	55.9	53.9	55.6	53.6	56.1	54.2	54.1	59.1	58.2	59.2	69.7	55.7	...	...
Imports:																
Crude and unfinished oils	2,275.6	2,395.0	180.6	200.7	200.5	194.6	228.3	215.1	202.9	222.5	196.8	199.1	211.3	187.3	...	...
Refined products	508.0	475.9	37.5	41.3	39.9	38.3	34.4	40.8	41.8	41.6	39.4	43.6	35.6	34.4	...	...
Change in stocks, all oils	−3.7	−24.0	−16.1	11.5	20.5	.8	18.3	.7	13.8	5.6	−5.2	−43.5	19.6	−16.2	...	...
Product demand, total	6,465.7	6,571.4	548.7	531.3	536.2	536.6	557.6	549.4	530.9	568.5	542.4	593.6	541.1	515.7	...	...
Exports:																
Crude petroleum	42.4	32.6	3.3	.7	3.3	3.2	1.7	4.1	2.0	3.3	3.3	3.4	4.0	4.6	...	...
Refined products	322.8	314.7	25.0	27.4	24.2	25.5	27.1	20.3	23.3	24.7	26.5	34.9	25.5	...	...	...

See footnotes at end of tables.

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	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
15. PETROLEUM, COAL, AND PRODUCTS—Continued																
PETROLEUM AND PRODUCTS—Continued																
[Millions of barrels, unless otherwise specified]																
All oils, supply, demand, and stocks—Continued																
Domestic product demand, total #	6,100.6	6,223.8	520.4	503.1	508.8	507.8	528.8	525.0	505.5	540.5	512.5	555.3	511.6	492.2	.....	.....
Gasoline	2,631.7	2,670.2	222.1	218.2	226.7	224.4	236.6	230.8	220.9	227.9	214.1	229.3	209.4	199.9	.....	.....
Kerosene	16.9	16.2	2.5	1.0	.7	.3	1.7	.4	.6	1.1	1.0	1.3	2.0	2.6	.....	.....
Distillate fuel oil	1,066.1	1,091.1	98.6	92.0	85.3	80.9	83.2	84.8	87.9	94.0	87.9	102.6	103.0	102.4	.....	.....
Residual fuel oil	422.6	399.9	35.8	31.4	31.9	30.0	31.0	28.4	26.0	34.4	31.4	40.8	31.6	31.6	.....	.....
Jet fuel	537.1	531.2	42.4	41.9	41.2	43.1	44.5	48.8	43.3	45.9	45.9	48.1	45.4	41.7	.....	.....
Lubricants	53.4	54.4	4.6	4.8	5.6	4.6	4.5	4.4	4.6	4.5	4.2	3.6	4.6	4.0	.....	.....
Asphalt	162.2	165.8	7.3	11.4	15.4	20.7	20.3	21.8	20.7	18.1	11.1	7.2	4.5	6.5	.....	.....
Liquefied petroleum gases	616.3	646.7	52.2	46.8	51.0	46.2	47.5	46.5	48.6	58.6	63.0	67.6	59.4	54.0	.....	.....
Stocks, end of period, total	1,617.0	1,591.7	1,569.3	1,580.8	1,601.3	1,602.1	1,620.4	1,621.1	1,634.9	1,640.5	1,635.3	1,591.7	1,611.4	1,595.1	.....	.....
Crude petroleum	893.1	892.8	907.1	916.4	911.8	894.5	902.2	898.8	893.4	906.1	898.8	892.8	901.0	907.1	.....	.....
Strategic petroleum reserve	568.5	574.7	568.5	568.5	568.5	569.5	569.6	570.1	571.4	573.6	574.0	574.7	575.3	575.8	.....	.....
Unfinished oils, natural gasoline, etc	147.1	150.3	158.9	155.5	153.1	156.9	156.1	155.0	163.3	161.7	158.5	150.3	162.9	162.8	.....	.....
Refined products	576.7	548.7	503.2	508.9	536.4	550.7	562.2	567.3	578.3	572.7	577.9	548.7	547.5	525.2	.....	.....
Refined petroleum products:																
Gasoline (incl. aviation):																
Production	2,554.0	2,592.7	208.1	209.3	220.9	216.7	224.0	212.3	212.5	223.6	220.1	229.9	222.7	199.4	.....	.....
Stocks, end of period	183.3	179.1	182.9	184.1	187.3	189.6	183.1	168.2	169.8	169.1	178.0	179.1	197.0	201.7	.....	.....
Prices, regular grade (excl. aviation):																
Producer Price Index, *1982=100*	69.2	r71.1	60.4	64.5	73.3	79.1	79.7	78.8	75.8	76.1	75.3	r69.8	66.7	66.2	67.2	69.3
Retail, U.S. city average (BLS):																
Leaded, *$ per gal.*	(2)	(2)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unleaded, *$ per gal.*	1.140	1.127	1.058	1.079	1.136	1.179	1.175	1.158	1.158	1.154	1.159	1.136	1.117	1.108	1.098	1.112
Aviation gasoline:																
Production	8.0	7.8	.6	.5	.8	.7	.9	.9	.8	.5	.4	.5	.5	.5	.....	.....
Stocks, end of period	1.6	1.5	1.6	1.5	1.6	1.4	1.6	1.6	1.7	1.7	1.6	1.5	1.7	1.9	.....	.....
Kerosene:																
Production	14.0	14.8	1.0	.7	.8	.6	1.3	.9	1.1	1.6	1.8	1.6	2.3	1.8	.....	.....
Stocks, end of period	5.8	5.5	4.2	3.8	3.8	4.0	3.8	5.1	5.7	5.9	6.1	5.5	5.3	4.5	.....	.....
Producer Price Index (light distillate), *1982=100*	65.9	61.2	55.8	57.0	61.2	63.5	66.5	64.2	64.2	65.8	63.1	r60.1	59.1	59.9	60.5	59.1
Distillate fuel oil:																
Production	1,081.0	1,090.2	85.3	88.6	91.1	90.0	95.3	88.8	89.5	100.8	97.1	98.6	90.2	78.8	.....	.....
Imports	74.8	78.0	6.7	6.0	5.6	4.7	5.3	7.3	7.1	8.1	7.1	7.1	5.6	6.3	.....	.....
Stocks, end of period	143.5	140.6	97.7	92.0	96.5	104.3	115.4	122.8	127.1	136.7	146.1	140.6	130.2	109.4	.....	.....
Producer Price Index (middle distillate), *1982=100*	65.2	61.6	56.0	59.0	62.1	65.4	64.6	63.3	65.6	68.2	64.2	r59.4	58.4	60.3	63.3	62.4
Residual fuel oil:																
Production	341.1	326.7	30.7	27.0	29.9	26.8	26.0	25.3	24.3	25.4	26.9	26.8	25.4	23.5	.....	.....
Imports	165.4	136.5	12.1	10.3	10.2	10.0	8.7	10.7	10.5	11.6	12.5	14.9	11.9	9.1	.....	.....
Stocks, end of period	49.9	42.7	40.4	38.3	40.0	39.9	38.3	43.0	47.3	45.1	46.6	42.7	44.2	42.1	.....	.....
Producer Price Index, *1982=100*	49.1	r45.9	35.3	38.8	43.7	46.8	45.5	49.2	53.7	49.5	53.6	r56.2	49.6	51.6	48.0	54.1
Jet fuel:																
Production	525.0	511.9	41.8	38.5	43.1	41.2	45.7	45.6	43.4	43.6	43.7	45.3	44.5	40.4	.....	.....
Stocks, end of period	48.8	43.3	43.8	41.6	45.4	44.8	46.5	45.6	47.9	47.7	46.4	43.3	41.0	42.3	.....	.....
Lubricants:																
Production	57.0	57.6	5.0	5.2	4.5	4.4	4.9	5.1	4.7	4.9	4.7	4.9	4.8	4.5	.....	.....
Stocks, end of period	12.3	13.3	12.3	12.4	11.1	10.6	10.9	11.6	11.8	12.0	12.3	13.3	13.5	13.7	.....	.....
Asphalt:																
Production	156.8	152.5	9.5	12.5	14.1	15.7	16.4	16.5	16.9	14.7	11.6	8.8	8.8	8.6	.....	.....
Stocks, end of period	22.3	17.4	30.5	32.1	32.0	27.6	24.4	19.7	16.4	13.5	15.0	17.4	22.1	25.3	.....	.....
Liquefied petroleum gases:																
Production, total	683.1	720.8	62.8	63.4	65.5	63.0	64.4	62.4	56.7	58.5	55.6	57.2	57.0	53.6	.....	.....
At gas processing plants (L.P.G.)	487.5	500.2	42.7	41.4	42.5	40.9	41.2	40.3	39.6	42.6	42.5	43.9	43.7	40.3	.....	.....
At refineries (L.R.G.)	195.6	220.6	20.1	22.0	23.0	22.1	23.2	22.1	17.1	15.9	13.1	13.3	13.3	13.3	.....	.....
Stocks (at plants and refineries)	92.3	88.7	72.5	84.6	99.3	109.7	120.3	131.8	132.9	125.5	109.1	88.7	75.0	66.3	.....	.....
16. PULP, PAPER, AND PAPER PRODUCTS																
PULPWOOD																
[Thousands of cords (128 cu. ft.)]																
Receipts	96,659	103,373	8,194	8,101	8,331	8,711	9,048	8,765	8,924	9,188	8,221	8,980	8,697	8,865	.....	.....
Consumption	98,242	104,598	8,166	8,411	8,693	8,861	9,209	8,924	8,781	8,992	8,720	9,280	9,076	8,850	.....	.....
Inventories, end of period	5,688	5,314	5,655	5,580	5,594	5,484	5,373	5,358	5,551	6,056	5,667	5,314	4,948	5,372	.....	.....
WASTE PAPER																
[Thousands of short tons]																
Consumption	22,845	r25,355	2,114	2,002	2,076	2,095	2,057	2,118	2,132	2,181	2,182	2,104	r2,294	r2,092	2,321	.....
Inventories, end of period	1,113	r1,057	1,030	1,040	1,056	1,090	1,112	1,078	1,131	1,110	1,031	r1,147	r1,046	r1,010	1,055	.....
WOODPULP																
[Thousands of short tons]																
Production:																
Total	r63,636	r65,342	5,525	5,489	5,320	5,417	5,711	5,419	5,318	5,409	5,310	5,458	5,684	r5,044	5,410	.....
Dissolving pulp	1,370	1,383	120	114	110	127	115	129	101	89	127	102	129	109	124	.....
Paper grades chemical pulp	r51,768	r53,358	4,528	4,499	4,343	4,433	4,676	4,408	4,350	4,415	4,268	4,468	4,635	r4,129	4,435	.....
Groundwood and thermo-mechanical	6,404	6,501	529	537	521	521	558	543	531	573	583	548	563	495	518	.....
Semi-chemical	4,094	r4,100	349	340	347	335	363	339	337	332	333	340	357	311	334	.....
Inventories, end of period:																
Producers' own use	219	r236	236	225	240	230	225	245	228	220	214	194	218	194	205	.....
Producers' market	518	r480	480	530	570	507	596	676	710	727	850	882	922	r938	862	.....
Consumers' purchased	451	r438	438	434	385	423	399	388	374	366	380	407	419	406	450	.....
[Thousands of metric tons]																
Exports, all grades, total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dissolving and special alpha	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Imports, all grades, total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dissolving and special alpha	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
16. PULP, PAPER, AND PAPER PRODUCTS—Continued																
PAPER AND PAPER PRODUCTS																
[Thousands of short tons, unless otherwise specified]																
Paper and board:																
Production (API):																
Total	79,499	82,376	6,988	6,707	6,706	6,821	6,941	6,950	6,950	7,007	6,793	6,905	r7,092	6,540	7,183	.....
Paper	39,082	40,407	3,376	3,273	3,201	3,295	3,403	3,457	3,415	3,519	3,324	3,318	r3,452	r3,206	3,536	.....
Paperboard	40,416	41,968	3,612	3,433	3,505	3,526	3,538	3,492	3,460	3,489	3,469	3,587	3,640	3,335	3,647	.....
Producer Price Indexes:																
Paperboard, *1982=100*	130.2	134.3	133.4	134.3	134.3	134.3	134.2	134.6	135.9	135.7	133.9	r133.6	133.4	131.8	131.7	131.1
Building paper and board, *1982=100*	111.8	119.6	119.2	118.5	119.1	118.9	118.8	120.0	123.7	123.5	121.8	r121.7	124.7	128.7	133.5	136.3
Selected types of paper (API):																
Groundwood paper:																
Orders, new	1,717	1,690	131	110	140	131	155	150	166	164	113	128	r168	r125	147	.....
Orders, unfilled, end of period	220	167	317	226	229	257	274	263	316	350	161	167	r178	r165	158	.....
Shipments	1,716	1,642	134	127	124	123	140	139	129	144	150	139	150	134	153	.....
Coated papers:																
Orders, new	7,342	7,881	627	583	642	640	666	686	653	702	601	665	658	r622	670	.....
Orders, unfilled, end of period	591	881	689	636	664	665	707	696	686	733	832	881	r839	r879	856	.....
Shipments	7,358	7,851	616	583	625	655	668	661	685	685	662	662	r648	603	687	.....
Uncoated free sheet:																
Orders, new	11,497	11,994	1,068	990	906	991	1,090	1,040	993	1,033	886	1,036	r1,086	r949	1,051	.....
Shipments	11,504	11,874	1,001	981	926	957	1,032	1,032	1,022	1,038	920	969	1,032	r959	1,035	.....
Unbleached kraft papers:																
Shipments	2,280	2,380	208	196	193	193	189	202	189	198	210	178	192	185	207	.....
Tissue paper, production	5,669	5,784	502	470	480	470	456	497	493	497	493	482	495	467	531	.....
[Thousands of metric tons, unless otherwise specified]																
Newsprint:																
Canada:																
Production	8,976	8,932	710	707	783	695	692	752	741	842	794	790	812	r743	829	.....
Shipments from mills	8,728	9,145	737	741	815	766	754	724	785	874	786	844	761	734	845	.....
Inventory, end of period	593	351	644	610	578	507	445	472	429	397	405	351	403	410	396	.....
United States:																
Production	6,206	6,425	532	541	530	519	552	542	513	570	536	530	558	501	538	.....
Shipments from mills	6,152	6,464	532	541	539	526	565	545	516	556	544	537	548	509	539	.....
Inventory, end of period	98	59	95	95	85	78	65	62	59	73	65	59	68	60	60	.....
Estimated consumption, all users ◊	11,380	11,634	943	1,030	980	941	976	953	963	1,087	1,002	990	r942	r916	933	.....
Publishers' stocks, end of period #	816	938	958	908	850	865	955	921	917	886	864	938	1,015	r1,080	1,084	.....
Imports	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Producer Price Index, standard newsprint, *1982=100*	120.9	109.9	112.3	108.8	108.3	106.6	106.6	106.7	109.5	109.2	110.6	r109.6	109.2	110.4	113.7	113.5
Paper products:																
Shipping containers, corrugated and solid fiber shipments, *mil. sq. ft. surf. area*	320,106	335,696	27,987	r29,445	26,856	28,368	28,886	27,898	27,956	30,517	25,532	25,530	28,119	26,333	29,913	30,372
17. RUBBER AND RUBBER PRODUCTS																
RUBBER																
[Thousands of metric tons, unless otherwise specified]																
Natural rubber:																
Consumption	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stocks, end of period	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Imports, incl. latex and guayule	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
U.S. Import Price Index, *1985=100*	101.2	106.0	102.6	.....	.....	105.6	.....	.....	107.3	.....	.....	108.3	.....	.....	(2)	.....
Synthetic rubber:																
Production	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Consumption	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stocks, end of period	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Exports (Bureau of Census)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TIRES AND TUBES																
[Thousands]																
Pneumatic casings:																
Production	202,390	230,250	20,356	19,065	18,874	19,380	17,273	20,306	19,975	21,602	18,384	17,501	20,037	19,872	21,900	.....
Shipments, total	256,875	273,539	23,702	23,447	23,492	24,170	21,910	23,472	24,589	25,514	22,596	21,162	20,009	21,235	25,547	.....
Original equipment	48,582	53,436	4,783	4,726	5,039	4,723	3,282	4,507	4,518	5,158	4,503	4,154	4,716	5,014	5,924	.....
Replacement equipment	188,303	199,543	17,128	17,068	16,841	17,662	16,964	17,171	18,152	18,580	16,517	15,459	13,618	14,457	17,825	.....
Exports	18,998	20,543	1,789	1,653	1,612	1,784	1,665	1,795	1,919	1,778	1,577	1,549	1,675	1,854	1,799	.....
Stocks, end of period	35,533	40,392	41,212	40,981	40,576	40,201	39,918	40,654	39,789	40,090	39,916	40,392	43,859	45,993	46,795	.....
Exports (Bureau of Census)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Inner tubes:																
Exports (Bureau of Census)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
18. STONE, CLAY, AND GLASS PRODUCTS																
PORTLAND CEMENT																
Shipments, finished cement, *thous. bbl.*	[1] 415,203	[1] 440,666	30,474	37,654	40,482	44,625	43,913	43,700	44,239	47,001	32,259	28,216				
CLAY CONSTRUCTION PRODUCTS																
Shipments:																
Brick, unglazed (common and face), *mil. standard brick*	5,404.8	5,847.7	1,193.7			1,554.5			1,667.5			1,432.0				
Structural tile, except facing, *thous. sh. tons*	(2)	(2)														
Sewer pipe and fittings, vitrified, *thous. sh. tons*	195.6	152.8	39.1			38.2			38.6			36.8				
Floor and wall tile and accessories, glazed and unglazed, *mil. sq. ft.*	429.8	471.7	114.1			118.1			122.9			116.5				
Producer Price Index, brick and structural clay tile, *12/84=100*	116.2	118.0	116.9	117.2	117.8	118.3	118.4	118.6	118.5	118.9	119.0	r119.0	120.0	120.7	120.9	121.8
GLASS AND GLASS PRODUCTS																
[Thousand gross, unless otherwise specified]																
Flat glass, mfrs.' shipments, *thous. $*	1,350,658	1,528,698	378,380			391,358			390,868			368,092				
Glass containers:																
Production	281,111	287,737	25,982	24,703	23,986	24,730	25,138	25,247	23,313	25,041	22,559	20,343				
Shipments, total	277,657	284,274	25,558	24,269	25,188	26,269	26,181	25,056	24,206	24,146	20,823	20,979				
Narrow-neck containers:																
Food	23,477	26,939	2,407	2,304	2,292	2,668	2,506	2,924	2,649	2,420	1,575	1,604				
Beverage	57,141	54,414	4,939	4,810	5,259	5,592	5,231	4,757	4,617	4,245	3,652	3,598				
Beer	84,304	88,805	7,823	7,695	7,936	7,851	8,426	7,506	7,279	7,523	6,719	7,304				
Liquor and wine	24,038	26,054	2,342	2,306	2,301	2,616	2,419	2,459	2,022	2,040	1,945	1,845				
Wide-mouth containers:																
Food and dairy products	74,683	73,346	6,621	5,784	6,190	6,364	6,531	6,098	6,511	6,775	5,817	5,491				
Narrow-neck and wide-mouth containers:																
Medicinal and toilet	12,816	13,144	1,294	1,270	1,113	1,030	915	1,149	1,003	1,031	1,018	1,035				
Chemical, household, and industrial	1,198	1,572	132	100	97	148	153	163	125	112	97	102				
Stocks, end of period	44,058	45,914	49,726	48,947	48,145	46,215	45,297	45,407	44,327	45,069	46,646	45,914				
GYPSUM AND PRODUCTS																
[Thousands of short tons]																
Production:																
Crude gypsum (exc. byproduct)	[1] 14,760	[1] 15,853	1,220	1,283	1,164	1,320	1,404	1,390	1,411	1,502	1,411	1,230	1,147	1,513		
Calcined	[1] 14,688	[1] 15,981	1,421	1,344	1,201	1,321	1,423	1,395	1,399	1,461	1,289	1,181	1,298	1,335		
Imports, crude gypsum	[1] 7,634	7,917	525	729	745	948	675	562	749	597	605	592	659			
Sales of gypsum products:																
Uncalcined	[1] 5,272	[1] 5,469	377	398	446	525	515	481	485	488	456	490	344	332		
Calcined:																
Industrial plasters	(4)	(4)														
Building plasters, total (incl. Keene's cement)	(2)	(2)														
[Millions of square feet]																
Board products, total	[1] 18,317	[1] 20,177	1,862	1,622	1,466	1,706	1,908	1,661	1,806	1,826	1,603	1,550	1,600	1,773		
Lath	12	11	1	1	1	1	1	1	1	1	1	1	1	1		
Veneer base	396	452	40	34	31	39	45	38	39	40	39	35	37	42		
Gypsum sheathing	227	247	42	34	31	37	40	38	40	41	19	19	18	19		
Regular gypsum board	11,286	12,730	1,184	1,009	914	1,062	1,204	1,032	1,147	1,150	1,028	979	1,027	1,139		
Type X gypsum board	5,033	5,186	460	412	370	435	480	415	437	445	388	400	390	436		
Predecorated wallboard	85	85	7	7	7	7	7	7	8	8	7	7	6	6		
5/16 mobile home board	670	829	68	69	66	70	72	80	78	85	72	61	71	71		
Water/moisture resistant board	608	637	59	55	47	54	58	51	55	56	50	50	52	58		
19. TEXTILE PRODUCTS																
FABRIC																
[Millions of linear yards]																
Woven fabric, finishing plants:																
Production (finished fabric)																
Cotton																
Manmade fiber and silk fabrics																
Inventories held at end of period																
Cotton																
Manmade fiber and silk fabrics																
Backlog of finishing orders																
Cotton																
Manmade fiber and silk fabrics																
COTTON AND MANUFACTURES																
[Thousands of running bales, unless otherwise specified]																
Cotton (excluding linters):																
Production:																
Ginnings ◊	17,146	r15,786					14	451	1,674	7,595	12,599	14,945	15,546			
Crop estimate, *thous. net weight bales* §	17,614	r16,218														
Consumption	[6] 8,367	r[7] 9,433	r[3] 900	r719	752	[3] 885	682	744	[3] 910	766	723	[3] 750	753	761	r[3] 933	742
Stocks in the United States, total, end of period #	13,579	13,875	8,516	7,240	5,953	4,504	3,552	18,282	16,958	16,166	15,153	13,875	12,623	11,360	9,762	8,514
Domestic cotton, total	13,579	13,875	8,516	7,240	5,953	4,504	3,552	18,282	16,958	16,166	15,153	13,875	12,623	11,360	9,762	8,514
On farms and in transit	1,924	2,032	189	330	268	140	83	15,426	14,016	9,124	4,627	2,032	1,892	1,622	1,365	1,242
Public storage and compresses	11,075	11,252	7,696	6,273	5,057	3,723	2,806	2,227	2,395	6,535	10,015	11,252	10,114	9,108	7,725	6,581
Consuming establishments	580	591	631	637	628	641	663	629	547	507	511	591	617	630	672	691

See footnotes at end of tables.

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	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
19. TEXTILE PRODUCTS—Continued																
COTTON AND MANUFACTURES—Continued																
Cotton (excluding linters)—Continued																
Exports, *thous. running bales*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports, *thous. net weight bales*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Price(farm), American upland, *cents per lb.* ◊	[2]56.8	53.3	50.3	53.1	53.2	58.0	56.3	53.7	53.6	53.6	52.5	54.2	52.7	52.9	r55.5	54.3
Price, Strict Low Middling, Grade 41, staple 34 (1 1/16"), average 10 markets, *cents per lb.*	[3]56.7	53.5	52.0	55.0	55.4	58.8	60.9	57.6	53.5	49.5	50.0	51.8	53.7	55.4	56.4	56.2
Spindle activity (cotton system spindles):																
Active spindles, last working day, total, *millions*	9.2	8.2	8.7	8.7	8.7	8.6	8.5	8.5	8.5	8.4	8.3	8.2	8.2	8.2	8.1	8.0
Consuming 100 percent cotton, *millions*	3.7	3.5	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.4
Spindle hours operated, all fibers, total, *billions*	60.4	r59.6	[4]5.9	4.8	4.8	[4]5.6	4.2	4.6	[4]5.5	4.6	4.3	[4]4.5	4.3	4.4	r[4]5.4	4.2
Average per working day, *billions*	.231	.225	[4].236	.237	.240	[4].226	.212	.231	[4].220	.232	.214	[4].181	.216	.221	r[4].216	.211
Consuming 100 percent cotton, *billions*	24.3	24.8	[4]2.4	2.0	2.0	[4]2.3	1.8	2.0	[4]2.3	2.0	1.8	[4]1.9	1.8	1.8	r[4]2.3	1.8
Cotton cloth:																
Cotton broadwoven goods over 12" in width:																
Production (qtrly.), *mil. sq. yd.*	4,404	4,590	1,144	...	...	1,172	...	...	1,130	...	...	1,144	...	...	...	...
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* §	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports, raw cotton equivalent, *thous. net weight bales* §	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Producer Price Index, gray cotton broadwovens, *1982=100*	114.9	117.0	116.7	116.7	116.8	117.5	117.3	117.3	117.2	116.9	117.1	r117.2	116.9	116.4	115.0	116.0
MANMADE FIBERS AND MANUFACTURES																
[Millions of pounds]																
Fiber production, qtrly:																
Cellulosic filament yarn	213.2	219.8	52.6	...	...	60.5	...	...	54.7	...	...	52.0	...	...	...	...
Rayon staple, including tow	273.3	275.1	66.6	...	...	70.5	...	...	68.4	...	...	69.6	...	...	...	...
Noncellulosic, except textile glass:																
Yarn and monofilaments	4,282.3	4,448.8	1,064.0	...	...	1,119.8	...	...	1,135.3	...	...	1,129.7	...	...	...	...
Staple, incl. tow	3,984.1	4,123.9	1,008.7	...	...	1,045.5	...	...	1,026.6	...	...	1,043.1	...	...	...	...
Textile glass fiber	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fiber stocks, producers', end of period:																
Cellulosic filament yarn	10.4	12.2	10.9	...	...	12.2	...	...	13.1	...	...	12.2	...	...	...	...
Rayon staple, including tow	27.0	34.5	26.9	...	...	33.4	...	...	29.8	...	...	34.5	...	...	...	...
Noncellulosic fiber, except textile glass:																
Yarn and monofilaments	351.1	309.3	342.4	...	...	310.8	...	...	316.0	...	...	309.3	...	...	...	...
Staple, incl. tow	333.7	333.3	321.2	...	...	336.2	...	...	326.4	...	...	333.3	...	...	...	...
Manmade fiber and silk broadwoven fabrics:																
Producer Price Index, gray synthetic broadwovens, *1982=100*	115.5	120.9	120.3	120.9	121.8	122.0	122.6	122.0	121.7	120.8	119.4	119.9	119.6	119.0	118.9	120.0
WOOL AND MANUFACTURES																
[Millions of pounds, unless otherwise specified]																
Wool consumption, mill (clean basis):																
Apparel class	137.2	139.8	r36.4	...	...	r35.1	...	...	r33.6	...	...	r31.1	...	...	35.2	...
Carpet class	14.4	14.7	4.6	...	...	3.6	...	...	3.1	...	...	3.4	...	...	4.9	...
Wool imports, clean yield ÷	86.5	89.3	7.3	10.6	8.8	6.2	6.9	5.0	3.9	5.5	9.1	7.8	8.7	8.5	9.3	...
Unimproved and other grades not finer than 46's	18.2	23.8	2.0	2.5	2.4	2.0	1.9	1.8	1.7	1.0	1.9	2.5	1.5	1.1	2.6	...
48's and finer	68.2	65.5	5.3	8.1	6.5	4.2	4.9	3.3	2.1	4.5	7.1	5.2	6.9	7.2	6.1	...
Wool prices, raw, shorn, clean basis:																
Domestic—Graded territory, 61's, staple 2¾" and up, delivered to U.S. mills, *$ per lb.*	1.58	1.81	1.95	1.96	1.99	1.93	1.88	1.88	1.88	1.73	1.55	1.55	1.45	1.35	1.20	1.14
Australian, 64's, Type 63, duty-paid, price at Australian Wool Corp., Charleston, SC, *$ per lb.*	2.42	2.42	2.77	2.64	2.68	2.56	([5])	2.24	2.20	2.02	2.05	2.03	1.96	1.86	1.80	1.68
Wool broadwoven goods, exc. felts:																
Production (qtrly.), *mil. sq. yd.*	169.6	176.2	45.6	...	...	47.2	...	...	43.9	...	...	39.5	...	...	...	...
FLOOR COVERINGS																
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly, *mil. sq. yd.*	1,255.7	1,356.6	332.7	...	...	341.8	...	...	347.2	...	...	334.9	...	...	...	...
APPAREL																
[Thousands, unless otherwise indicated]																
Women's, misses', juniors' apparel cuttings, qtrly:																
Coats	18,592	([8])	3,300	...	...	4,045	...	...	([8])	...	...	([8])	...	...	...	...
Dresses	159,332	154,578	44,903	...	...	40,917	...	...	35,011	...	...	33,747	...	...	...	...
Suits (incl. pant suits, jumpsuits)	11,208	9,732	2,556	...	...	2,916	...	...	2,076	...	...	2,184	...	...	...	...
Skirts	93,094	92,950	25,734	...	...	23,727	...	...	22,969	...	...	20,520	...	...	...	...
Slacks, jeans, dungarees, and jean-cut casual slacks	305,462	318,645	71,296	...	...	79,430	...	...	90,998	...	...	76,921	...	...	...	...
Blouses, *thou. doz.*	36,721	36,298	9,562	...	...	8,933	...	...	9,322	...	...	8,481	...	...	...	...

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1991 and methodological notes are as shown in BUSINESS STATISTICS, 1963-91	Annual		1992										1993			
	1991	1992	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
19. TEXTILE PRODUCTS—Continued																
APPAREL—Continued																
[Thousands, unless otherwise indicated]																
Men's apparel cuttings, qtrly:																
Suits	9,559	10,062	2,699	...	...	2,449	...	...	2,441	...	...	2,473	...	...	...	...
Coats (separate), dress and sport	13,854	13,534	3,603	...	...	3,213	...	...	3,618	...	...	3,100	...	...	...	...
Trousers, slacks, jeans, pants, etc	486,143	505,187	118,164	...	...	123,091	...	...	136,523	...	...	127,409	...	...	...	...
Shirts, dress and sport, *thous. doz.*	90,439	106,855	27,084	...	...	26,371	...	...	27,043	...	...	26,357	...	...	...	...
Hosiery, shipments, *thous. doz. prs.*	r[1] 326,378	320,494	[4] 76,978	...	...	85,160	...	...	79,367	...	...	78,989	...	...	...	...
20. TRANSPORTATION EQUIPMENT																
AEROSPACE VEHICLES																
[Millions of dollars]																
Orders, new (net), total	[3] 132,644	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
U.S. Government	[3] 66,668	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prime contract	[3] 129,924	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sales (net), receipts, or billings, total	[3] 134,578	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
U.S. Government	[3] 66,710	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Backlog of orders, end of period #	[3] 247,597	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
U.S. Government	[3] 84,827	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Aircraft (complete) and parts	[3] 147,551	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Engines (aircraft) and parts	[3] 24,734	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Missiles, space vehicle systems, engines, *propulsion units, and parts*	[3] 32,981	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other related operations (conversions, modifications), products, services	[3] 14,575	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Aircraft (complete):																
Shipments	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Exports, commercial	22,629	23,580	2,783	2,056	1,474	1,569	1,672	1,699	1,533	2,037	1,781	2,374	1,481	...	...	...
MOTOR VEHICLES (NEW)																
[Thousands, unless otherwise specified]																
Passenger cars:																
Factory sales (from U.S. plants):																
Total	5,407	5,684	506	506	548	572	362	418	474	529	458	464	440	479	596	([2])
Domestic	4,874	5,164	457	454	489	523	334	388	436	479	412	417	410	436	538	...
Retail sales, total, not seas. adj	8,388	8,384	735	729	747	838	749	660	688	709	615	677	575	606	749	e 783
Domestics §	6,137	6,277	541	546	565	635	573	483	516	537	465	502	436	466	582	607
Imports §	2,251	2,109	194	183	182	203	176	177	173	172	150	176	139	140	168	e 176
Total, seas. adj. at annual rate, *millions*	...	...	8.3	8.2	8.4	8.9	8.3	8.0	8.3	8.3	8.2	8.7	8.6	8.0	8.3	e 8.9
Domestics, *millions* §	...	...	6.0	6.0	6.3	6.7	6.4	6.0	6.3	6.3	6.2	6.7	6.6	6.0	6.3	6.8
Imports, *millions* §	...	...	2.3	2.2	2.1	2.2	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	e 2.1
Retail inventories, domestics, end of period: §																
Not seasonally adjusted	1,283	1,276	1,303	1,422	1,345	1,341	1,151	1,166	1,243	1,215	1,249	1,276	1,300	1,396	1,491	1,483
Seasonally adjusted	1,301	1,381	1,256	1,303	1,335	1,326	1,350	1,423	1,379	1,342	1,346	1,381	r 1,379	r 1,488	r 1,565	1,595
Inventory-retail sales *ratio*, domestics	2.5	2.6	2.5	2.6	2.6	2.4	2.5	2.9	2.6	2.6	2.5	2.5	2.5	r 3.0	r 3.0	2.8
Exports (Bureau of Census), total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
To Canada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports (ITC), complete units	3,736.5	3,574.7	314.8	310.4	293.1	290.4	260.4	257.0	289.0	324.3	325.8	326.7	268.6	308.5	...	...
From Canada, total	1,196.0	1,200.4	109.3	115.1	111.3	122.1	71.6	82.4	102.7	99.2	98.2	103.2	86.9	110.6	...	...
Registrations ◊, total new vehicles	8,234	8,054	665	693	692	837	754	611	711	642	593	639	618	548	654	...
Imports, including domestically sponsored	3,295	r 3,105	r 254	260	257	312	287	261	293	249	221	237	233	197	225	...
Trucks and buses:																
Factory sales (from U.S. plants):																
Total	3,375	4,042	376	349	365	368	232	330	344	411	352	364	342	381	467	([2])
Domestic	3,038	3,683	342	317	331	334	212	306	319	373	317	323	321	350	428	...
Retail sales:																
Total, not seasonally adjusted *	4,156.0	4,737.5	395.2	417.4	424.4	459.3	410.4	406.8	408.4	424.3	374.8	394.7	341.8	371.6	r 481.5	491.4
0-10,000 lbs. GVW, domestics	3,594.6	4,232.7	348.3	370.8	381.0	415.9	365.4	366.8	367.3	379.9	338.3	351.4	306.9	333.2	r 433.1	444.7
0-10,000 lbs. GVW, imports *	319.2	229.9	23.8	21.0	21.3	19.4	20.8	17.7	17.4	17.6	16.0	18.1	14.8	16.5	18.9	16.7
10,001 lbs. GVW and over ÷	242.2	274.7	23.0	25.7	22.1	23.9	24.2	22.2	23.7	26.8	20.5	25.2	20.1	21.9	r 29.5	30.0
Total, seasonally adjusted *	...	...	370.5	381.8	397.5	411.9	368.2	405.8	389.3	457.8	424.3	405.1	422.5	429.3	r 429.3	468.6
0-10,000 lbs. GVW, domestics	...	...	326.8	337.4	355.0	370.7	326.7	368.6	348.4	415.1	381.3	363.8	380.3	383.9	r 384.8	424.7
0-10,000 lbs. GVW, imports *	...	...	22.0	21.2	20.4	19.0	19.1	14.5	17.2	17.4	18.7	17.5	18.5	20.3	17.6	16.5
10,001 lbs. GVW and over ÷	...	...	21.7	23.1	22.1	22.2	22.4	22.7	23.7	25.3	24.2	23.9	23.7	25.1	r 26.9	27.4
Retail inventories, domestics, end of period:																
Not seasonally adjusted	985.5	1,086.5	1,166.6	1,166.7	1,169.5	1,140.1	1,000.6	994.6	996.0	1,047.1	1,081.0	1,086.5	1,154.9	1,237.9	1,304.3	1,276.6
Seasonally adjusted @	1,008.5	1,111.3	1,120.6	1,142.8	1,126.1	1,090.4	1,073.5	1,067.4	1,058.2	1,046.4	1,046.5	1,111.3	1,138.1	1,210.0	1,253.9	1,253.7
Exports (BuCensus)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Imports (BuCensus), including separate chassis and bodies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Registrations ◊, new vehicles, excluding buses not produced on truck chassis	4,345	4,796	373	406	412	482	436	389	446	392	384	407	385	353	434	...
Truck trailers and chassis, complete (excludes detachables), shipments, *number*	122,477	173,157	14,011	14,645	15,174	16,060	13,731	15,887	15,684	16,373	13,491	12,815	...	...	...	...
Van type, *number*	84,626	135,684	10,594	11,140	11,859	12,468	10,423	12,467	12,262	13,197	10,684	11,342	...	...	...	...
Trailer bodies (detachable), sold separately, *number*	([5])	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trailer chassis (detachable), sold separately, *number*	24,491	22,799	2,425	1,967	1,836	1,729	1,423	1,429	1,644	1,436	1,724	2,221	...	...	...	...
RAILROAD EQUIPMENT																
[Number, unless otherwise specified]																
Freight cars (new), for domestic use; all railroads and private car lines (excludes rebuilt and export cars):																
Shipments	24,674	25,761	4,660	...	...	5,962	...	...	7,509	...	...	7,630	...	...	...	...
Equipment manufacturers	24,674	25,761	4,660	...	...	5,962	...	...	7,509	...	...	7,630	...	...	...	...
New orders	22,682	31,181	8,421	...	...	8,354	...	...	4,620	...	...	8,786	...	...	...	...
Equipment manufacturers	22,682	31,181	8,421	...	...	8,354	...	...	4,620	...	...	8,786	...	...	...	...
Unfilled orders, end of period	9,215	14,635	12,975	...	...	15,367	...	...	12,479	...	...	14,635	...	...	...	...
Equipment manufacturers	9,215	14,635	12,975	...	...	15,367	...	...	12,479	...	...	14,635	...	...	...	...
Freight cars (revenue), class I railroads (AAR): ‡																
Number owned, end of period, *thousands*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Capacity (carrying), total, end of month, *mil. tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Average per car, *tons*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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.
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Address requests for data to:

Business Statistics Branch
Business Outlook Division (BE-52)
Bureau of Economic Analysis
U.S. Department of Commerce
Washington, DC 20230

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† Revised series. See Tables 2.8–2.11 in the July 1992 SURVEY for revised estimates for 1989–91. Also see the article on the comprehensive revision of the national income and product accounts that appears in the December 1991 issue of the SURVEY.

‡ 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.

◇ Effective May 1993 SURVEY, the industrial production indexes have been revised back to 1986, and are available upon request.

Page S-2

1. Based on data not seasonally adjusted.

◇ See note "◇" for p. S-1.

Includes data not shown separately.

§ Revised series. Estimates in constant 1987 dollars will soon be available back to 1967.

Page S-3

§ Revised series. Estimates in constant 1987 dollars will soon be available back to 1967.

Includes data for items not shown separately.

† Effective with the July 1992 SURVEY, M3 data have been revised to benchmark the data to the 1989 and 1990 Annual Surveys of Manufactures, and to reflect updated seasonal factors.

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

1. Based on data not seasonally adjusted.

@ Compiled by Dun & Bradstreet, Inc.

Includes data for items not shown separately.

§ Ratio of prices received to prices paid (parity index).

‡ See note "‡" for p. S-4.

† In the Feb. and July issues of the SURVEY each year, data for the most recent six to eight years are subject to revise and are available upon request.

†† See note "†" for p. S-3.

Page S-6

1. Based on data not seasonally adjusted.

§ 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 Feb. 1993 SURVEY, data have been revised back to Jan. 1988 and are available upon request.

Page S-7

1. Computed from cumulative valuation total.
2. Index as May 1, 1993: building, 454.6; construction, 489.9.

‡ Effective July 1992 SURVEY, data have been revised back to 1987. Effective July 1991 SURVEY, data were revised back to 1986. Effective July 1990 SURVEY, data were revised back to 1985. Revised data are available from the Construction Statistics Division at the Bureau of the Census, Washington, DC 20233.

Includes data for items not shown separately.

§ Data for Mar., May, Aug., and Nov. 1990, and Jan., May, Aug., and Oct. 1991 are for five weeks; other months four weeks.

* The fixed-weighted price index is a weighted average of the individual price index series used to deflate the Value of New Construction Put in Place (VIP) series. In calculating the index, the weights (the composition of current dollar VIP in 1987 by category of construction) are held constant. Consequently, the index reflects only changes in prices. The implicit price deflator is a derived ratio of total current to constant dollar VIP (multiplied by 100). It is the average of the individual price indexes used in the deflation of VIP, but the prices are weighted by the composition of VIP each period. As a result, the implicit price deflator reflects not only changes in prices, but also changes in the composition of VIP, and its use as a measure of price change is discouraged. Effective July 1992 SURVEY, data have been revised back to 1989.

§§ Effective March 1992 SURVEY, the Construction Contracts Valuation Index has a new base year of 1987. Data have been revised back to 1983 and are available upon request.

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Page S-8

1. Advance estimate.
2. Beginning with Feb. 1989 data, associations in conservatorship are excluded.

◇ Home mortgage rates are under money and interest rates on p. S-14.

§ Data include guaranteed direct loans sold.

Includes data for items not shown separately.

@ Data are for closed mortgage loans of thrift institutions insured by the Savings Association Insurance Fund (SAIF)—FSLIC-insured institutions prior to Sept. 1989.

† Effective April 1993 SURVEY, estimates of wholesale sales have been revised back to January 1987 and wholesale inventories have been revised back to January 1988. Revised data and a summary of changes appear in the report *Combined Annual and Revised Monthly Wholesale Trade, January 1986 Through December 1992, BW/92–RV*, available from the Bureau of the Census, Washington, DC 20233.

‡ Effective March 1993 SURVEY, retail trade data have been revised. Estimates of retail sales have been revised back to January 1987 and inventories have been revised back to January 1988. Revised data and a summary of changes appear in the report *Combined Annual and Revised Monthly Retail Trade, January 1983 Through December 1992, BR/92–RV*, available from the Bureau of the Census, Washington, DC 20233.

Page S-9

1. Advance estimate.

Includes data for items not shown separately.

◇ Effective with the Jan. 1993 SURVEY, the seasonally adjusted labor force series have been revised back to Jan. 1988. The Jan. 1993 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 1988–92 revision period will appear in the Feb. 1993 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.

‡ The unemployment rates are the number of unemployed in each group as a percent of the civilian labor force in that group.

§ Effective with June 1992 SURVEY, data have been revised, back to April 1990, unadjusted, and back to Jan. 1987, seasonally adjusted, to reflect new benchmarks and seasonal adjustment factors. The June 1992 issue of *Employment and Earnings* contains a detailed description of the effects of these revisions. All of the revised historical series are published in a special supplement to *Employment and Earnings*. This supplement, when combined with the historical bulletin, *Employment, Hours, and Earnings, United States, 1909–90* comprises the full historical series on national data obtained from the establishment survey.

Page S-11

§ See note "§" for p. S-10.

‡ 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.

Page S-12

§ See note "§" for p. S-10.

◇ Production and nonsupervisory workers.

‡ Earnings in 1982 dollars reflect changes in purchasing power since 1982 by dividing by Consumer Price Index. Effective Feb. 1993 issue of the SURVEY, this series has been revised back to 1988 to reflect new seasonal factors for the CPI-W. Revised data are available upon request.

§§ Wages as of May 1, 1993: Common, $19.81; Skilled, $25.89.

† Excludes farm, household, and Federal workers.

Page S-13

1. 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.

2. Average for Dec.

Includes data for items not shown separately.

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

‡ Covers the 50 States and the District of Columbia. Puerto Rico and the Virgin Islands are excluded effective with Mar. 1993 SURVEY. Data in earlier SURVEYS incorrectly included both. 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).

Page S-14

1. Data are for fiscal years ending Sept. 30 and may include revisions not distributed to the months.

2. Weighted by number of loans.

3. The consumer installment credit series have been revised. See note "†" for this page. Outstanding loans for mobile homes are included with other credit.

4. Beginning Sept. 1991, the Federal debt series are net of premium and discount.

§ Effective June 1992 SURVEY, data have been revised to reflect new benchmark and seasonal adjustments and are available from the Banking and Money Market Statistics Section of the Division of Monetary Affairs at the Federal Reserve Board, Washington, DC 20551.

Includes data for items not shown separately.

◇ Excludes loans to commercial banks in the U.S.

‡ Rates on the commercial paper placed for firms whose bond rating is Aa or the equivalent.

‡‡ Courtesy of *Metals Week*.

@ Average effective rate

† Effective May 1993 SURVEY, the consumer installment credit series have been revised back to 1989 to incorporate new information and updated seasonal adjustment factors. These revisions are available from the Mortgage and Consumer Finance Section, Mail Stop 93 at the Federal Reserve Board, Washington, DC 20551.

Page S-15

1. Money market deposit accounts are included with savings deposits.

‡‡ 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.

Page S-16

1. Beginning with Jan. 1992 data, the data include the republics of the former USSR, excluding Estonia, Latvia, and Lithuania.

@ 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.

§ 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.

◇ The March through August 1991 issues of the SURVEY showed month-end yields for 1991 rather than monthly averages.

Page S-17

1. See note "1" 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. Reported annual total; quarterly or monthly revisions are not available.

2. For month shown.

@ Effective with the March 1993 SURVEY, the export and import price indexes are on a 1990=100 base. Beginning with indexes for Jan. 1993, 1990 trade weights are used.

Includes data for items not shown separately.

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

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

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

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

† Before extraordinary and prior period items.

Page S-19

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

2. Figure suppressed because it did not meet Census publication standards.

3. Data are partially estimated for first three quarters of 1991 and are not available. Value for 4th quarter 1991 is based on partially estimated production data. Data for 1992 were not published because they would have disclosed individual company operations.

4. Data withheld to avoid disclosing figures for individual companies.

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 1991 are reported quarterly.

Page S-20

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

2. Quarterly data are no longer available.

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

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

Page S-21

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

2. Crop estimate for the year.

3. Stocks as of June 1.

4. Stocks as of June 1 and represents previous year's crop; new crop not reported until June (beginning of new crop year).

5. 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.

6. Stocks as of Dec. 1.

§ Excludes pearl barley.

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

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

Page S-22

§ Cases of 30 dozen.

* Series first shown in the Jan. 1991 SURVEY.

Page S-23

1. Crop estimate for the year.

2. Reported annual total; revisions not distributed to the months.

3. Effective with January 1993 SURVEY, data have been revised back to 1990, and are available upon request.

Totals include data for items not shown separately.

Page S-24

1. Reported annual total; monthly revisions are not available.

Page S-25

1. Reported annual total; monthly revisions are not available.

2. For month shown.

@ Includes domestic and foreign ores.

§ Source: *Metals Week*.

Page S-26

1. Reported annual total; monthly revisions are not available.

2. Less than 50 tons.

3. Break in comparability beginning Jan. 1, 1991, because of a change in the *Metals Week* pricing series for zinc.

4. Monthly data not available for 1990 and 1991.

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

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

Includes data not shown separately.

@@ Price represents North American Mean.

Page S-27

1. Annual total includes revisions not distributed to the months or quarters.

Includes data for items not shown separately.

§ Includes nonmarketable catalyst coke.

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

‡‡ March, June, September and December are five-week months. All others consist of four weeks.

Page S-28

1. Reported annual total; revisions not allocated to the months.

2. Beginning May 1991, the leaded gasoline price is not statistically valid for publication.

Includes data for items not shown separately.

Page S-29

1. Reported annual total; revisions not allocated to the months.

2. Series has been discontinued.

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

Compiled by the American Newspaper Publishers Association.

Page S-30

1. Reported annual total; revisions not allocated to the months.
2. Figure suppressed because it did not meet Census publication standards.
3. Data cover five weeks; other months, four weeks.
4. Beginning Jan. 1989, sales of industrial plasters are included with building plasters.
5. Total for crop year, 1990/1991.
6. Average for calendar year 1992.

Includes data for items not shown separately.

◇ Cumulative ginnings to the end of month indicated.

§ Bales of 480 lbs.

Page S-31

1. Annual total includes revisions not distributed to the months.
2. Weighted average for crop year, Aug. 1–Jul. 31.
3. Spot market average for crop year, Aug. 1–Jul. 31.
4. For five weeks; other months four weeks.
5. No price because the Australian market was shut down for the month of July.
6. Weighted average for Aug. 1992–Feb. 1993.
7. Based on the average of Aug. 1992–Mar. 1993.
8. Data withheld to avoid disclosing figures for individual companies.

◇ 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).

§ Bales of 480 lbs.

† The total may include some miscellaneous wool imports.

Page S-32

1. Annual total includes revisions not distributed to the months.
2. Production of new vehicles (thous. of units) for Apr. 1993: *passenger cars*, 539; *trucks and buses*, 417.
3. Data are reported on an annual basis only.
4. Beginning in 1992, data are available only on a quarterly basis.
5. Beginning Jan. 1989, shipments of trailer bodies are included with trailer chassis to avoid disclosure of data from individual firms.
6. Effective with the Dec. 1991 SURVEY, data have been revised back to 1988 and are available upon request.
7. Data withheld to avoid disclosing figures for individual companies.

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

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

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

* Effective with the July 1992 SURVEY, seasonally adjusted retail sales for trucks and buses have been revised back to 1989, and are available upon request.

† Includes some imported trucks over 10,000 lbs. GVW.

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

@ Effective with the Mar. 1993 SURVEY, seasonally adjusted retail inventories for trucks and buses have been revised back to 1966, and are available upon request.

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The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures. (1990) Describes in detail the methodology used in constructing the balance of payments estimates for the United States. Explains underlying principles, and describes the presentation of the estimates. Includes a comprehensive list of data sources. 160 pp. $8.50 (GPO STOCK NO. 003-010-00204-2).

Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies. (1992) Two publications containing results for 1989 and 1990 from BEA's annual survey covering 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. 92 pp. $5.50 each. **Preliminary 1990 Estimates:** GPO STOCK NO. 003-010-00233-6; **Revised 1989 Estimates:** GPO STOCK NO. 003-010-00232-8.

Foreign Direct Investment in the United States: 1987 Benchmark Survey, Final Results. (1990) Contains information for 1987 on the financial structure and operations of U.S. affiliates of foreign direct investors, on the foreign direct investment position in the United States, and on balance of payments transactions between U.S. affiliates and their foreign parents. Data are classified by industry of affiliate, by country and industry of ultimate beneficial owner or foreign parent, and, for selected data, by State. Also contains a complete methodology and copies of survey forms and instructions. 284 pp. $14.00 (GPO STOCK NO. 003-010-00210-7).

Foreign Direct Investment in the United States: Establishment Data for 1987. (1992) A joint effort by BEA and the Bureau of the Census, this publication provides new data on operations of U.S. affiliates of foreign direct investors in much greater industry detail than has been available in the past. Over 800 4-digit SIC industries are covered. Presents the number, employment, payroll, and shipments or sales of the establishments. Data are disaggregated by industry, by State, and by country of ultimate beneficial owner. 696 pp. $36.00 (GPO STOCK NO. 003-010-00228-0).

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