

Business Situation

Preliminary Estimates for the Third Quarter of 2002

PRELIMINARY estimates of the national income and product accounts (NIPAs) show a bigger step-up in economic growth than was reported in last month's "advance" estimates.

- Real gross domestic product (GDP) increased 4.0 percent in the third quarter of 2002 after increasing 1.3 percent in the second quarter (table 1 and chart 1).¹ Since the trough in real GDP in the third quarter of last year, growth has averaged 3.2 percent.

1. Quarterly estimates in the NIPAs are expressed at seasonally adjusted annual rates, unless otherwise specified. Quarter-to-quarter dollar changes are differences between these published estimates. Percent changes are calculated from unrounded data and annualized. "Real" estimates are in chained (1996) dollars, and price indexes are chain-type measures.

This article was prepared by Daniel Larkins and Raymen G. Labella.

Table 1. Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter							
	2002	2001	2002			2001			
	III	IV	I	II	III	IV	I	II	III
Gross domestic product	9,484.0	62.4	114.4	29.2	91.6	2.7	5.0	1.3	4.0
Less: Exports of goods and services.....	1,074.3	-26.2	8.8	34.9	8.8	-9.6	3.5	14.3	3.3
Plus: Imports of goods and services.....	1,561.8	-19.8	29.9	75.8	8.9	-5.3	8.5	22.2	2.3
Equals: Gross domestic purchases	9,932.7	69.5	132.9	62.6	91.9	2.9	5.6	2.6	3.8
Less: Change in private inventories.....	15.5	-36.6	69.5	33.8	10.6	.....	.....	.....	.....
Equals: Final sales to domestic purchasers	9,907.3	102.0	72.1	31.6	81.3	4.3	3.0	1.3	3.4
Personal consumption expenditures.....	6,609.2	93.1	49.8	28.6	66.8	6.0	3.1	1.8	4.1
Durable goods.....	1,033.0	69.4	-16.1	4.8	52.3	33.6	-6.3	2.0	23.1
Nondurable goods.....	1,925.3	16.7	36.4	-0.5	4.4	3.6	7.9	-0.1	0.9
Services.....	3,686.4	19.1	25.6	24.0	20.2	2.1	2.9	2.7	2.2
Private fixed investment.....	1,573.1	-37.3	-2.0	-3.8	0.5	-8.9	-0.5	-1.0	0.1
Nonresidential.....	1,179.0	-35.3	-18.0	-7.3	-2.1	-10.9	-14.2	-5.8	-2.4
Structures.....	218.7	-23.6	-9.5	-11.5	-13.0	-30.1	-14.2	-17.6	-20.6
Equipment and software.....	976.8	-6.1	6.6	7.7	15.4	-2.5	-2.7	3.3	6.6
Residential.....	388.1	-3.3	12.6	2.5	2.0	-3.5	14.2	2.7	2.1
Government consumption expenditures and gross investment.....	1,716.2	41.2	22.8	6.0	12.9	10.5	5.6	1.4	3.1
Federal.....	615.1	18.3	10.6	10.9	6.4	13.5	7.4	7.5	4.3
National defense.....	402.7	12.5	10.5	7.3	6.9	14.3	11.6	7.8	7.1
Nondefense.....	212.5	5.9	0.2	3.6	-0.4	12.1	0.4	6.9	-0.7
State and local.....	1,101.2	23.0	12.2	-4.6	6.5	8.9	4.6	-1.7	2.4
Addendum: Final sales of domestic product	9,458.8	94.4	54.5	-1.5	80.9	4.2	2.4	-0.1	3.5

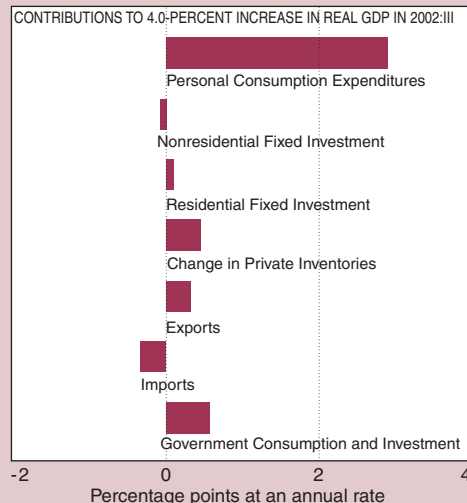
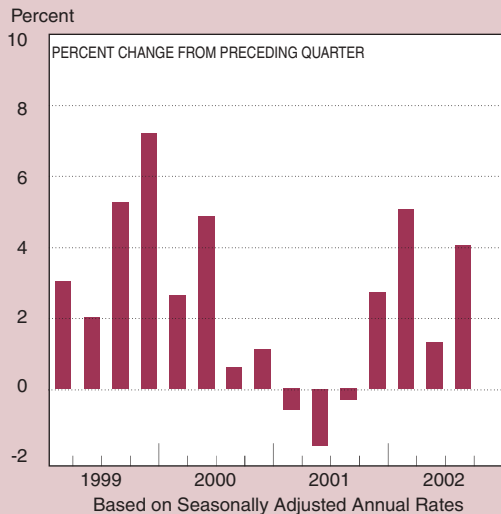
NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates usually are not additive.

Chained (1996) dollar levels and residuals, which measure the extent of nonadditivity in each table, are shown in NIPA tables 1.2, 1.4, and 1.6. Percent changes are calculated from unrounded data. Percent changes in major aggregates are shown in NIPA table S.1. (See "Selected NIPA Tables," which begins on page D-2 in this issue.)

- Gross domestic purchases increased 3.8 percent after increasing 2.6 percent.
- Inflation slowed; the price index for gross domestic purchases increased 1.2 percent after increasing 2.3 percent. Real disposable personal income moderated, increasing 2.9 percent after increasing 3.6 percent.
- The preliminary estimate of GDP growth is 0.9 percentage point higher than the advance estimate; for gross domestic purchases, the preliminary estimate is

CHART 1

Real Gross Domestic Product



0.7 percentage point higher than the advance estimate.²

Despite the larger-than-usual revisions, the general picture presented in the preliminary estimates is similar to that in the advance estimates. In both, for example, consumer spending stepped up substantially, and imports (which are subtracted in the calculation of GDP) slowed sharply.³ According to the preliminary estimates,

- Consumer spending contributed 2.90 percentage points to third-quarter growth after contributing 1.22 percentage points to second-quarter growth (table 2). Auto and truck purchases surged, mainly in response to aggressive sales-incentive programs that included generous rebates and zero-rate financing.
- The slowdown in imports was sharp. Exports also slowed, but less than half as much as imports.⁴
- Spending by State and local governments turned up, adding 0.30 percentage point to third-quarter growth after subtracting 0.21 percentage point from second-quarter growth. Consumption expenditures increased about the same amount in each quarter, but gross investment increased after decreasing.

2. The source data underlying the revisions to GDP and its components are discussed in the section "Revisions."

3. In this article, "consumer spending" is shorthand for the NIPA series "personal consumption expenditures," "government spending" is shorthand for "government consumption expenditures and gross investment," and "inventory investment" is shorthand for "change in private inventories."

4. Imports of goods and services are included in gross domestic purchases but not in GDP. Exports of goods and services are included in GDP but not in gross domestic purchases.

Table 2. Contributions to Percent Change in Real Gross Domestic Product

[Seasonally adjusted at annual rates]

	2001		2002	
	IV	I	II	III
Percent change at annual rate:				
Gross domestic product	2.7	5.0	1.3	4.0
Percentage points at annual rates:				
Personal consumption expenditures	4.05	2.22	1.22	2.90
Durable goods	2.45	-0.55	0.16	1.76
Nondurable goods	0.73	1.57	-0.02	0.20
Services	0.87	1.20	1.08	0.94
Gross private domestic investment	-2.88	2.53	1.16	0.48
Fixed investment	-1.49	-0.07	-0.15	0.03
Nonresidential	-1.33	-0.66	-0.27	-0.07
Structures	-1.12	-0.44	-0.53	-0.59
Equipment and software	-0.21	-0.22	0.26	0.52
Residential	-0.16	0.60	0.12	0.10
Change in private inventories	-1.39	2.60	1.31	0.45
Net exports of goods and services	-0.28	-0.75	-1.40	0.00
Exports	-0.99	0.33	1.29	0.33
Goods	-0.56	-0.23	0.99	0.29
Services	-0.42	0.56	0.30	0.04
Imports	0.70	-1.08	-2.69	-0.33
Goods	0.37	-0.40	-2.74	-0.47
Services	0.33	-0.68	0.05	0.15
Government consumption expenditures and gross investment	1.85	1.04	0.27	0.58
Federal	0.80	0.47	0.47	0.28
National defense	0.54	0.46	0.32	0.30
Nondefense	0.26	0.01	0.16	-0.01
State and local	1.05	0.56	-0.21	0.30

Note. More detailed contributions to percent change in real gross domestic product are shown in NIPA table 8.2. Contributions to percent change in major components of real gross domestic product are shown in tables 8.3 through 8.6.

- Nonresidential investment in equipment and software increased twice as much as in the second quarter. In contrast, nonresidential structures decreased for the fourth quarter in a row.
- The production of goods increased 8.4 percent after increasing 0.4 percent (table 3). The production of services slowed, and the construction of structures decreased, though not as much as in the second quarter.
- Real motor vehicle output increased 37.8 percent after increasing 8.1 percent. GDP less motor vehicle output increased 3.0 percent after increasing 1.0 percent.
- Inventory accumulation picked up, adding 0.45 percentage point to third-quarter GDP growth. In the second quarter, a swing from liquidation to accumulation had added 1.31 percentage points to growth.
- Final sales of domestic product—GDP less inventory investment—increased 3.5 percent after little change.
- Real final sales of computers increased 81.6 percent—the biggest increase since early 1995—after being stalled for five quarters. The price index for private fixed investment in computers and peripheral equipment decreased more than in the second quarter and more than it did, on average, over the past 4 years. (However, the recent price decreases were not as large as those registered in the mid-1990s.)
- Personal saving as a percentage of current-dollar disposable personal income decreased to 3.8 percent from 4.0 percent. Gross saving as a percentage of gross national product, which is not available when the advance estimate is prepared, dropped to 15.0 percent from 15.5 percent, continuing its downward trend from a peak of 19.1 percent in the first quarter of 1999.

Table 3. Real Gross Domestic Product by Type of Product

[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				2001		2002	
		2002	2001	2002		2001	2002		
	III	IV	I	II	III	IV	I	II	III
Gross domestic product	9,484.0	62.4	114.4	29.2	91.6	2.7	5.0	1.3	4.0
Goods	3,749.5	37.9	72.6	3.6	75.1	4.3	8.3	0.4	8.4
Services	4,977.2	38.2	34.1	42.3	31.7	3.2	2.8	3.5	2.6
Structures	766.2	-11.3	11.6	-17.2	-8.7	-5.6	6.1	-8.4	-4.4
Addenda:									
Motor vehicle output	376.1	12.4	7.9	6.7	28.9	16.3	9.9	8.1	37.8
Gross domestic product less motor vehicle output	9,111.9	51.2	106.9	23.3	66.0	2.3	4.9	1.0	3.0
Final sales of computers						28.9	-7.8	13.1	81.6
Gross domestic product less final sales of computers						2.6	5.1	1.2	3.6

Note. See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals for most items are shown in NIPA table 1.4. Detail on motor vehicle output is shown in NIPA table 8.9B.

Personal Consumption Expenditures

Real personal consumption expenditures (PCE) increased 4.1 percent in the third quarter, more than twice as much as in the second (table 4 and chart 2). Purchases of motor vehicles and parts, which surged in response to generous rebates and below-market interest rates for new vehicles, accounted for more than half of the third-quarter increase in PCE. Purchases of nondurable goods increased modestly after little change, and purchases of services slowed somewhat.

Among durable goods excluding motor vehicles, computer equipment (in "furniture and household equipment") increased more than in the second quarter but fell far short of the increases in 1987-2000, which averaged over 40 percent. The "other" category

of durable goods, which includes items as dissimilar as books and motorcycles, increased after little change.

In nondurable goods, purchases of clothing and of fuels and lubricants turned up. "Other" nondurable goods increased more than in the second quarter.

The mild slowdown in services partly reflected a deceleration in hospital services (in "medical care"), a downturn in telephone bills (in "other household operation"), and a downturn in movie admissions (in "recreation").

Table 4. Real Personal Consumption Expenditures
[Seasonally adjusted at annual rates]

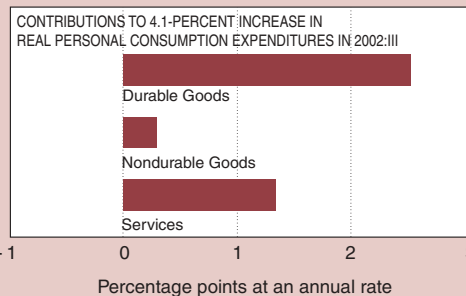
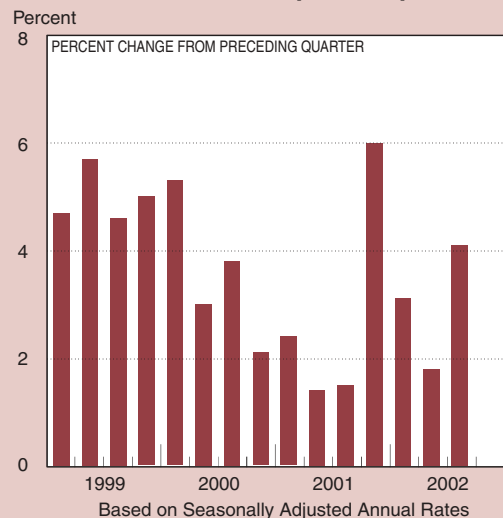
	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter							
	2002	2001		2002		2001		2002	
	III	IV	I	II	III	IV	I	II	III
Personal consumption expenditures.....	6,609.2	93.1	49.8	28.6	66.8	6.0	3.1	1.8	4.1
Durable goods.....	1,033.0	69.4	-16.1	4.8	52.3	33.6	-6.3	2.0	23.1
Motor vehicles and parts	407.8	47.6	-30.4	-0.9	38.7	66.0	-27.1	-1.0	49.0
Of which:									
New autos.....	113.7	17.0	-12.5	-1.0	7.9	85.0	-35.9	-3.7	33.4
New light trucks.....	155.6	30.6	-15.8	-3.1	26.9	153.1	-36.4	-9.2	113.9
Furniture and household equipment.....	441.4	14.1	14.6	7.0	6.2	14.9	14.9	6.7	5.8
Other ¹	187.3	3.9	5.3	-0.1	3.2	9.1	12.4	-0.1	7.1
Nondurable goods.....	1,925.3	16.7	36.4	-0.5	4.4	3.6	7.9	-0.1	0.9
Food.....	897.1	2.8	14.3	-2.2	-2.1	1.3	6.6	-0.9	-1.0
Clothing and shoes.....	355.6	7.7	11.0	-0.7	0.5	9.5	13.5	-0.9	0.6
Gasoline, fuel oil, and other energy goods.....	157.6	1.5	3.8	-0.7	1.1	4.0	10.5	-1.9	2.8
Other ²	518.1	5.5	8.1	3.0	5.0	4.6	6.6	2.3	4.0
Services.....	3,686.4	19.1	25.6	24.0	20.2	2.1	2.9	2.7	2.2
Housing.....	882.1	2.5	4.4	4.5	3.6	1.2	2.1	2.1	1.7
Household operation.....	384.0	-4.2	3.6	1.6	1.1	-4.3	3.9	1.7	1.2
Electricity and gas.....	135.6	-2.2	3.3	0.1	2.0	-6.4	10.4	0.5	5.9
Other household operation.....	248.6	-2.1	0.2	1.5	-0.9	-3.2	0.4	2.3	-1.4
Transportation.....	249.8	-1.4	2.3	-0.6	-0.5	-2.2	3.8	-1.0	-0.8
Medical care.....	984.9	10.6	8.5	11.3	10.2	4.6	3.6	4.8	4.3
Recreation.....	237.1	2.7	0.8	1.5	0.0	4.8	1.3	2.5	0.0
Other ³	946.5	8.2	6.1	5.7	5.5	3.6	2.7	2.4	2.4

1. Includes jewelry and watches, ophthalmic products and orthopedic equipment, books and maps, bicycles and motorcycles, guns and sporting equipment, photographic equipment, boats, and pleasure aircraft.
 2. Includes tobacco, toilet articles, drug preparations and sundries, stationery and writing supplies, toys, film, flowers, cleaning preparations and paper products, semidurable house furnishings, and magazines and newspapers.
 3. Includes personal care, personal business, education and research, religious and welfare activities, and net foreign travel.

NOTE: See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals are shown in NIPA tables 2.3 and 8.9B (motor vehicles). Percent changes in major aggregates are shown in NIPA table S.1.

CHART 2

Real Personal Consumption Expenditures



U.S. Bureau of Economic Analysis

Factors frequently considered in the analysis of consumer spending were mixed in the third quarter (chart 3). The Index of Consumer Sentiment (prepared by the University of Michigan's Survey Research Center) dropped substantially, but the unemployment rate decreased somewhat, and real disposable personal in-

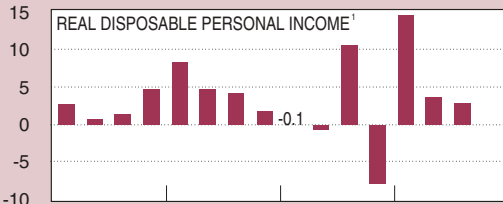
come (DPI) increased 2.9 percent (and was 3.0 percent higher than a year earlier).⁵

5. From the trough in real GDP in the first quarter of 1991 to the peak in real GDP in the fourth quarter of 2000, real DPI increased at an average annual rate of 3.1 percent.

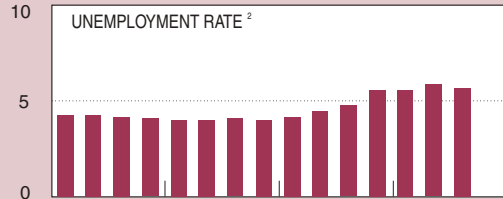
CHART 3

Selected Factors Affecting Consumer Spending

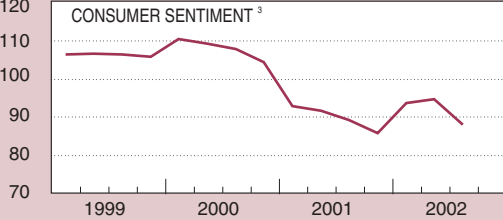
Percent change



Percent



Index



1. Based on 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. Bureau of Economic Analysis

Private Fixed Investment

Real private fixed investment changed little in the third quarter after declining for almost 2 years. Nonresidential structures continued to be the main source of weakness; investment in nonresidential equipment and software increased moderately, and residential investment posted another modest increase (table 5 and chart 4).

Nonresidential. Buildings, especially commercial buildings, accounted for most of the third-quarter drop in structures. After declining for seven quarters, investment in commercial buildings is about two-thirds of its level in the fourth quarter of 2000 and is lower than at any time since early 1996. Investment in industrial buildings, which is much smaller than investment in commercial buildings, has fallen even more precipitously: It is less than half of its level in the fourth quarter of 2000 and is lower than at any time since the beginning of the chained (1996) dollar series in 1987.

Information processing equipment increased 14.4 percent in the third quarter, a little more than in the second; computer equipment accounted for more than

half of the third-quarter increase. Transportation equipment decreased despite a strong increase in motor-vehicle purchases; as in the second quarter, the motor-vehicle increase was more than offset by a sharp drop in aircraft investment, which fell to its lowest level in almost 5 years. In industrial equipment, the up-and-down pattern of recent quarters continued, as a 5.5-percent increase followed a 7.1-percent decrease; "special industry machinery" (which includes equipment for manufacturing semiconductors) posted a strong gain in the third quarter.

In recent quarters, conditions that are frequently considered in the analysis of investment spending have been mixed (chart 5). The capacity utilization rate for manufacturing, mining, and utilities remains almost 10 percent below the level reached in the expansion of the 1990s, but it has increased a little in each of the past three quarters. Domestic corporations' profits from current production are also well below the levels reached in the 1990s, but they are up more than 20 percent from the third quarter of last year. Growth of real final sales of domestic product averaged 2.5

Table 5. Real Private Fixed Investment
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter							
	2002	2001	2002			2001	2002		
	III	IV	I	II	III	IV	I	II	III
Private fixed investment.....	1,573.1	-37.3	-2.0	-3.8	0.5	-8.9	-0.5	-1.0	0.1
Nonresidential.....	1,179.0	-35.3	-18.0	-7.3	-2.1	-10.9	-5.8	-2.4	-0.7
Structures.....	218.7	-23.6	-9.5	-11.5	-13.0	-30.1	-14.2	-17.6	-20.6
Nonresidential buildings, including farm.....	138.9	-10.7	-6.4	-8.9	-9.3	-22.3	-14.8	-20.8	-22.7
Utilities.....	46.1	-0.4	1.5	-2.4	-2.3	-2.7	12.7	-18.2	-17.4
Mining exploration, shafts, and wells.....	30.4	-1.1	-4.6	0.1	0.1	-12.1	-43.0	1.0	2.4
Other structures.....	4.8	-12.0	0.0	0.0	-1.5	-98.6 (*)	1.7	-3.1	-65.0
Equipment and software.....	976.8	-6.1	-6.6	7.7	15.4	-2.5	-2.7	3.3	6.6
Information processing equipment and software.....	576.0	-1.6	8.6	16.6	19.0	-1.2	6.7	12.9	14.4
Computers and peripheral equipment ²						37.8	34.8	15.4	46.7
Software ²						0.3	-3.6	12.4	11.3
Other ²						-17.5	7.8	12.2	4.0
Industrial equipment.....	147.6	-4.5	3.6	-2.7	2.0	-11.5	10.4	-7.1	5.5
Transportation equipment.....	141.0	5.4	-13.9	-8.1	-2.4	14.3	-29.7	-19.7	-6.4
Of which: Motor vehicles.....	128.9	1.5	-10.9	5.9	7.2	4.8	-30.2	21.9	25.8
Other.....	140.4	-4.8	-1.6	5.5	0.3	-12.9	-4.6	17.5	0.7
Residential.....	388.1	-3.3	12.6	2.5	2.0	-3.5	14.2	2.7	2.1
Structures.....	378.4	-3.5	12.4	2.5	2.0	-3.7	14.4	2.7	2.1
Single-family.....	200.4	-2.8	5.9	1.2	2.0	-5.6	12.9	2.5	4.0
Multifamily.....	26.5	0.8	1.9	-0.2	-0.3	13.2	34.7	-2.6	-5.1
Other structures ³	151.4	-1.4	4.5	1.4	0.4	-4.0	13.1	3.9	1.1
Equipment.....	9.7	0.2	0.1	0.0	0.0	6.7	4.1	3.1	-0.3

1. The large decrease reflects a return to more normal levels after the leasing of properties at the World Trade Center in the third quarter of 2001 (described in the March and June "Business Situations"). At a quarterly rate (not annualized), the decrease is 65.2 percent.

2. "Computers and peripheral equipment" include new items only; "software" excludes software embedded, or bundled, in computers and other equipment. Because of the large price changes that characterize the components of information processing equipment, the nonadditivity of the chained-dollar estimates is substantial, and the relative importance of the components cannot be inferred on the

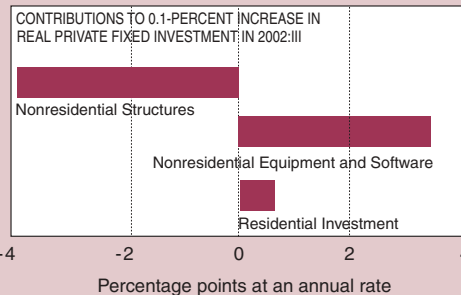
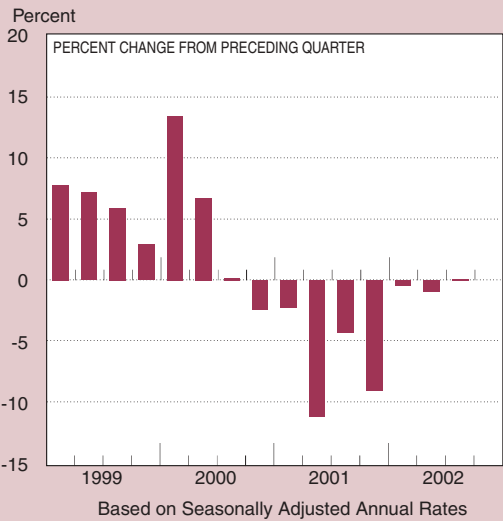
basis of these estimates. Contributions may be taken directly from NIPA table 8.4.

3. Includes home improvements, new manufactured home sales, brokers' commissions on home sales, net purchases of used structures, and other residential structures (which consists primarily of dormitories and of fraternity and sorority houses).

NOTE: See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals are shown in NIPA tables 5.5 and 8.9B (motor vehicles). Percent changes in major aggregates are shown in NIPA table S.1.

CHART 4

Real Private Fixed Investment



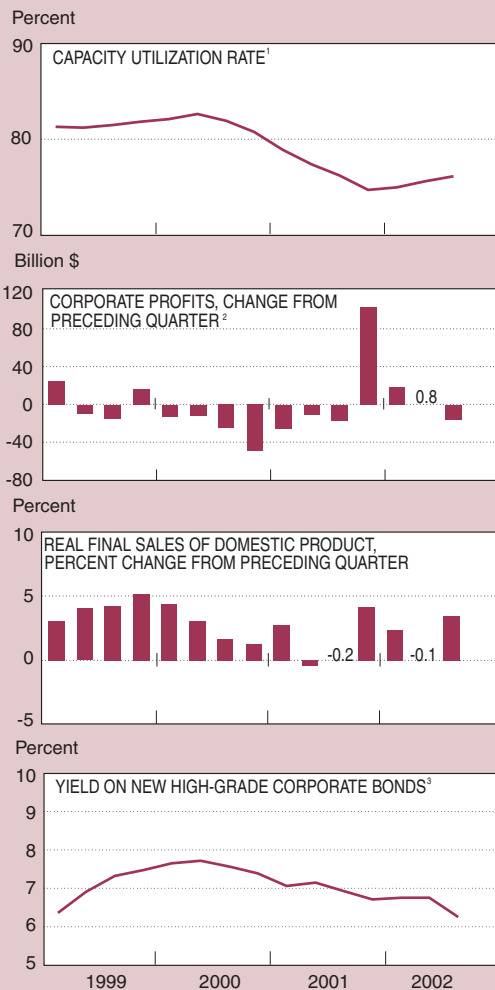
percent over the past four quarters, compared with a 3.4-percent average over the most recent expansion. Long-term interest rates have trended down, but not dramatically; the rate in the third quarter was 78 basis points lower than a year ago and 133 basis points lower than 2 years ago.

Residential. Real private residential investment in-

creased 2.1 percent, somewhat less than in the second quarter; it had surged in the first quarter (table 5 and chart 4). Single-family investment increased more than in the second quarter, while “other” structures increased less. The deceleration in “other” structures mainly reflected a downturn in brokers’ commissions on home sales.

CHART 5

Selected Factors Affecting Nonresidential Investment



1. All industries. Data: Federal Reserve Board
 2. Domestic industries.
 3. Data: U.S. Treasury Department
 U.S. Bureau of Economic Analysis

Inventory Investment

Real inventories increased more in the third quarter than in the second (table 6 and chart 6). The step-up, which contributed 0.45 percentage point to GDP growth in the third quarter, reflected inventory changes in wholesale trade and in manufacturing.⁶

Liquidation of wholesale trade inventories in the second quarter gave way to accumulation in the third quarter. Upturns in the inventories of electrical goods wholesalers and apparel wholesalers were noteworthy, and inventories of machinery equipment wholesalers decreased less than in the second quarter. In contrast, inventories of farm products decreased more than in the second quarter, and inventories of professional and commercial equipment (including computers) wholesalers increased less than in the second quarter.

Inventory liquidation in manufacturing slowed to less than half of its second-quarter pace. Inventories of chemical manufacturers and of fabricated metal product manufacturers increased after decreasing, and inventories of computer manufacturers and of machinery manufacturers decreased less than in the second quarter. These increases in inventory investment were partly offset by inventories of "other" trans-

portation equipment (including civilian aircraft) manufacturers, which decreased about twice as much as in the second quarter, and by inventories of food manufacturers, which were virtually unchanged after increasing.

Retail inventories increased less than in the second quarter. Accumulation by motor vehicle dealers slowed sharply; accumulation by clothing stores also slowed. In contrast, inventories of department stores increased in the third quarter after decreasing in the second.

Farm inventories were drawn down in the third quarter after a small increase in the second. Crop inventories more than accounted for the swing.

The ratio of real private nonfarm inventories to final sales of goods and structures decreased to 3.61 from 3.64 (see NIPA table 5.13B). A ratio that includes all final sales of domestic businesses slipped to 2.01 from 2.02.⁷ Both ratios have been trending down since the mid-1970s.

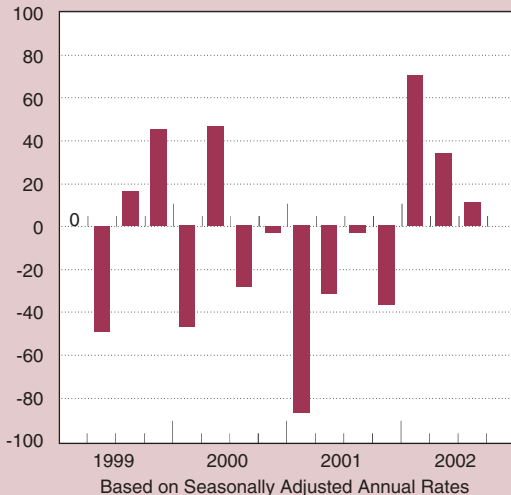
6. In the NIPAs, the *change* in private inventories affects the *level* of GDP; the "*change in the change*" in private inventories affects the *change* (or growth) in GDP.

7. Using the ratio that includes all final sales of domestic businesses in the denominator implies that the production of services results in a demand for inventories that is similar to that generated in the production of goods and structures. In contrast, using the "goods and structures" ratio implies that the production of services does not generate demand for inventories. Both implications are extreme. Production of some services may require substantial inventories, while production of other services may not.

CHART 6

Real Private Inventory Investment: Change from Preceding Quarter

Billion chained (1996) \$



Based on Seasonally Adjusted Annual Rates
U.S. Bureau of Economic Analysis

Table 6. Real Change in Private Inventories

[Billions of chained (1996) dollars; seasonally adjusted at annual rates]

	Level					Change from preceding quarter			
	2001		2002			2001		2002	
	III	IV	I	II	III	IV	I	II	III
Change in private inventories	-61.8	-98.4	-28.9	4.9	15.5	-36.6	69.5	33.8	10.6
Farm	2.0	3.6	6.4	0.8	-2.2	1.6	2.8	-5.6	-3.0
Construction, mining, and utilities	5.7	4.3	1.6	-1.0	-3.6	-1.4	-2.7	-2.6	-2.6
Manufacturing	-44.1	-40.2	-31.9	-14.1	-4.9	3.9	8.3	17.8	9.2
Durable goods industries	-41.0	-35.2	-25.9	-15.0	-11.3	5.8	9.3	10.9	3.7
Nondurable goods industries	-3.7	-5.1	-6.0	0.8	6.1	-1.4	-0.9	6.8	5.3
Wholesale trade	-25.1	-26.8	-19.8	-8.7	8.1	-1.7	7.0	11.1	16.8
Durable goods industries	-27.5	-29.9	-17.0	-7.7	7.3	-2.4	12.9	9.3	15.0
Nondurable goods industries	1.2	1.9	-3.2	-1.3	1.0	0.7	-5.1	1.9	2.3
Retail trade	-3.3	-40.6	13.8	22.0	15.6	-37.3	54.4	8.2	-6.4
Of which: Motor vehicle dealers	-1.2	-34.8	14.0	15.6	6.3	-33.6	48.8	1.6	-9.3
Other industries ¹	2.2	2.3	0.0	5.0	2.4	0.1	-2.3	5.0	-2.6
Addenda:									
Motor vehicles	-0.4	-33.5	10.2	20.1	7.4	-33.1	43.7	9.9	-12.7
Autos	0.7	-12.7	7.8	10.8	7.3	-13.4	20.5	3.0	-3.5
Trucks	-0.9	-18.8	2.8	8.7	0.9	-17.9	21.6	5.9	-7.8

1. Includes inventories held by establishments in the following industries: transportation; communication; finance, insurance, and real estate; and services.
NOTE: See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals are shown in NIPA tables 5.11B and 8.9B (motor vehicles).

Exports and Imports

Real exports and real imports both slowed substantially in the third quarter (table 7 and charts 7 and 8). The slowdown in imports was much sharper than the slowdown in exports.

Imports of goods increased 4.1 percent after jumping 27.9 percent. All major end-use categories contrib-

uted to the slowdown. Capital goods, consumer goods, and autos—the three largest categories of imports—made the biggest contributions. Petroleum imports turned down. Industrial supplies and materials weakened slightly. Imports of services decreased 6.1 percent after decreasing 2.1 percent; the larger decrease was

Table 7. Real Exports and Imports of Goods and Services
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter				
	Level		Change from preceding quarter			Percent change from preceding quarter				
	2002	2001	2002			2001	2002			
	III	IV	I	II	III	IV	I	II	III	
Exports of goods and services...	1,074.3	-26.2	8.8	34.9	8.8	-9.6	3.5	14.3	3.3	
Exports of goods ¹	773.9	-15.4	-6.5	27.7	8.1	-7.9	-3.4	15.9	4.3	
Foods, feeds, and beverages	59.6	2.5	0.3	-2.1	-1.7	17.7	1.5	-12.1	-11.0	
Industrial supplies and materials.....	163.3	0.9	-1.3	7.3	-2.5	2.2	-3.1	19.5	-5.9	
Capital goods, except automotive.....	336.8	-16.8	-4.9	11.7	9.1	-18.5	-5.9	15.6	11.5	
Automotive vehicles, engines, and parts.....	79.9	-2.7	-0.6	6.4	1.8	-13.9	-3.2	40.5	9.9	
Consumer goods, except automotive.....	86.0	-1.3	-1.6	2.2	1.5	-5.6	-7.5	11.2	7.3	
Other.....	47.6	2.1	1.7	1.3	-0.3	21.3	15.8	11.5	-2.4	
Exports of services ¹	300.6	-10.5	14.0	7.5	0.9	-13.8	21.7	10.7	1.1	
Imports of goods and services...	1,561.8	-19.8	29.9	75.8	8.9	-5.3	8.5	22.2	2.3	
Imports of goods ¹	1,342.6	-10.5	11.3	79.2	13.4	-3.3	3.7	27.9	4.1	
Foods, feeds, and beverages	54.9	-1.0	0.6	1.4	0.3	-6.9	4.7	10.5	2.5	
Industrial supplies and materials, except petroleum and products.....	168.9	-0.6	2.3	4.3	3.8	-1.4	5.9	11.1	9.5	
Petroleum and products.....	85.5	0.8	-4.4	6.3	-3.1	3.9	-19.0	34.5	-13.4	
Capital goods, except automotive.....	395.5	-6.4	10.6	16.1	-2.7	-6.5	11.8	17.9	-2.6	
Automotive vehicles, engines, and parts.....	206.7	-4.9	3.1	16.5	2.9	-9.9	6.8	40.4	5.8	
Consumer goods, except automotive.....	335.4	-2.2	8.2	24.0	9.0	-3.0	11.6	35.8	11.5	
Other.....	86.6	2.8	-7.2	7.6	2.6	14.9	-30.3	46.3	12.8	
Imports of services ¹	220.8	-9.7	16.6	-1.2	-3.5	-16.5	35.7	-2.1	-6.1	

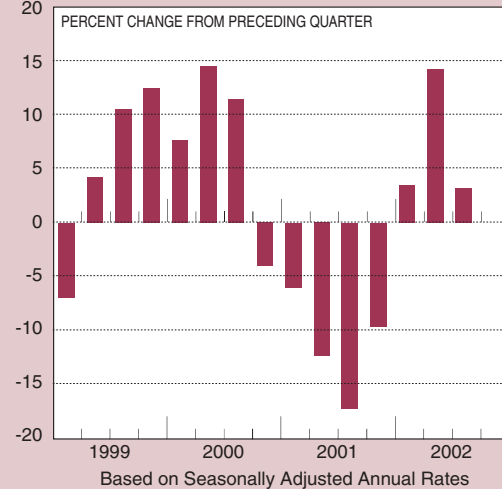
1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services.

Note. See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals are shown in NIPA table 4.4. Percent changes in major aggregates are shown in NIPA table S.1.

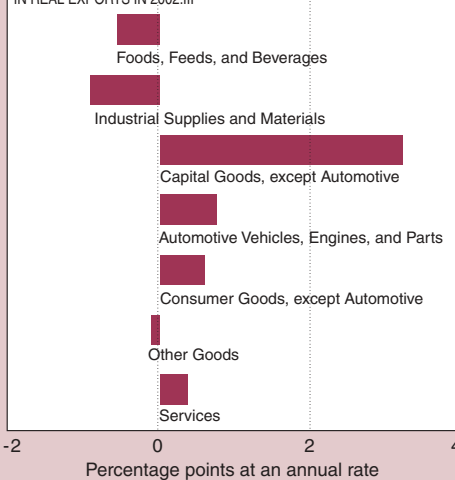
CHART 7

Real Exports

Percent



CONTRIBUTIONS TO 3.3-PERCENT INCREASE IN REAL EXPORTS IN 2002:III

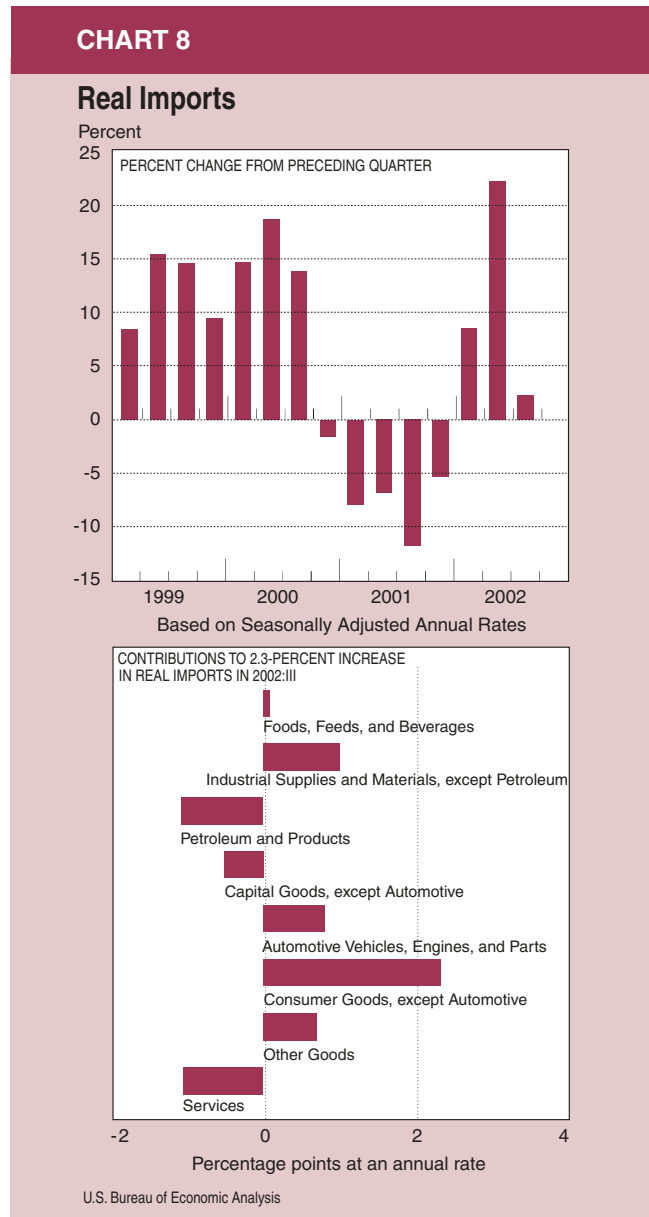


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mainly accounted for by a downturn in “other transportation.”

Exports of goods increased 4.3 percent after increasing 15.9 percent. A downturn in exports of industrial supplies and materials and a slowdown in auto exports

accounted for much of the deceleration. Exports of services increased 1.1 percent after increasing 10.1 percent; “other private services” and royalties and license fees mainly accounted for the slowdown.



Government Spending

Government spending increased 3.1 percent in the third quarter, about twice as much as in the second (table 8 and chart 9). An upturn in investment by State and local governments more than offset a slight downturn in nondefense spending by the Federal Government.

State and local government spending increased 2.4 percent after decreasing 1.7 percent. Gross investment increased 5.8 percent after decreasing more than twice that much; the upturn mainly reflected spending on road projects. Consumption expenditures increased modestly, as they had in the second quarter.

Spending by the Federal Government slowed. The downturn in nondefense spending mainly reflected a downturn in gross investment in equipment and software; it also reflected a downturn in purchases by the

Commodity Credit Corporation. Defense spending moderated slightly, reflecting a slowdown in expenditures on services.

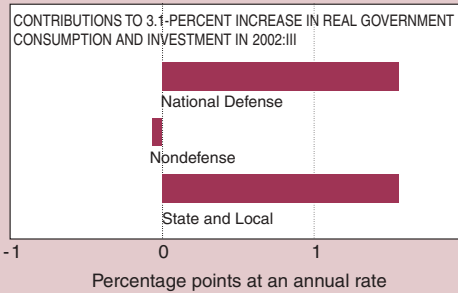
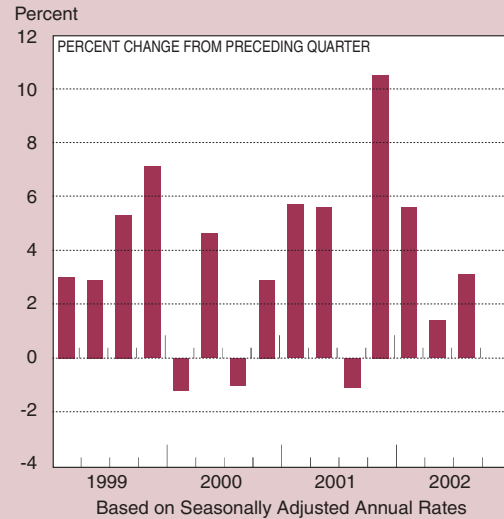
Table 8. Real Government Consumption Expenditures and Gross Investment
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level		Change from preceding quarter			Percent change from preceding quarter			
	2002		2001			2002			
	III	IV	I	II	III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,716.2	41.2	22.8	6.0	12.9	10.5	5.6	1.4	3.1
Federal	615.1	18.3	10.6	10.9	6.4	13.5	7.4	7.5	4.3
National defense	402.7	12.5	10.5	7.3	6.9	14.3	11.6	7.8	7.1
Consumption expenditures	338.1	11.9	7.6	7.2	4.2	16.4	9.8	9.1	5.1
Gross investment	65.2	0.3	3.2	0.0	3.0	2.1	23.5	-0.4	20.6
Nondefense	212.5	5.9	0.2	3.6	-0.4	12.1	0.4	6.9	-0.7
Consumption expenditures	167.7	2.4	0.6	2.2	1.2	6.0	1.5	5.3	3.0
Gross investment	45.1	3.8	-0.5	1.6	-1.9	41.6	-4.0	14.0	-15.2
State and local	1,101.2	23.0	12.2	-4.6	6.5	8.9	4.6	-1.7	2.4
Consumption expenditures	882.9	8.9	5.2	3.5	3.5	4.2	2.4	1.6	1.6
Gross investment	218.3	14.5	7.2	-8.4	3.0	32.1	14.0	-14.3	5.8

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.
Note. See note to table 1 for an explanation of chained (1996) dollar series. Chained (1996) dollar levels and residuals are shown in NIPA table 3.8. Percent changes in major aggregates are shown in NIPA table S.1.

CHART 9

Real Government Consumption and Investment



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Prices

The price index for gross domestic purchases increased 1.2 percent in the third quarter, about half as much as in the second. The slowdown was largely accounted for by a moderation in the prices of energy goods and services. Prices of gross domestic purchases less food and energy increased 1.2 percent after increasing 1.5 percent (table 9 and chart 10).

Prices of goods and services purchased by consumers increased 1.7 percent after increasing 2.7 percent. Energy prices slowed sharply, mainly reflecting a much smaller increase in the price of gasoline and oil (the average retail price of regular gasoline changed little in the third quarter after increasing almost 25 cents per gallon in the second). Food prices increased less than 1 percent for the second quarter in a row. Prices of other consumer purchases increased 1.8 percent, about the same as in the second quarter.

Prices paid by government increased 1.4 percent, half as much as in the second quarter. Prices slowed

substantially at both the Federal and the State and local levels, partly in response to moderating energy costs.

Prices of residential investment decreased for the first time since early 1992. Prices had been flat in the first quarter of this year and up moderately in the second. In the first three quarters of 2002, prices of residential investment increased at an annual rate of only 0.6 percent.

Prices of private nonresidential fixed investment decreased for the fifth quarter in a row. Prices of equipment and software were mainly responsible for the most recent decrease. A decrease in prices of transportation equipment—the largest in 30 years—mainly reflected a decline in motor vehicle prices. Computer prices decreased more than in the second quarter.

The GDP price index (which, unlike the index for gross domestic purchases, includes the prices of exports and excludes the prices of imports) increased 1.0 percent in the third quarter. Import prices and export prices both increased, but the increase in import prices was somewhat larger than the increase in export prices. The price of imported petroleum increased, though much less than in the second quarter.

Table 9. Percent Changes in Prices

[Annual rates; based on seasonally adjusted index numbers (1996=100)]

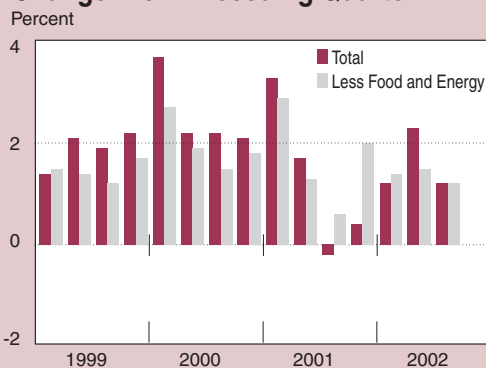
	2001		2002	
	IV	I	II	III
Gross domestic product.....	-0.5	1.3	1.2	1.0
Less: Exports of goods and services	-3.8	-0.8	3.0	3.5
Plus: Imports of goods and services	4.7	-1.6	11.1	4.5
Equals: Gross domestic purchases	0.4	1.2	2.3	1.2
Less: Change in private inventories				
Equals: Final sales to domestic purchasers	0.5	1.1	2.3	1.3
Personal consumption expenditures	0.8	1.1	2.7	1.7
Durable goods	-1.5	-4.2	-2.9	-1.9
Nondurable goods	-3.5	0.2	4.6	0.6
Services	3.5	2.7	3.0	3.1
Private fixed investment	-0.1	-1.5	-0.2	-1.2
Nonresidential	-1.6	-2.0	-1.4	-1.4
Structures	-1.6	-3.6	0.7	-0.1
Equipment and software	-1.6	-1.5	-2.1	-1.8
Residential	3.7	0	2.6	-0.8
Government consumption expenditures and gross investment	-0.3	3.6	2.8	1.4
Federal	-0.4	8.4	2.3	1.2
National defense	-1.1	7.3	2.0	1.3
Nondefense	0.7	10.4	2.9	0.9
State and local	-0.3	1.1	3.1	1.6
Addenda:				
Gross domestic purchases:				
Food	2.3	2.4	0.4	0.7
Energy	-33.0	-8.7	29.9	3.7
Less food and energy	2.0	1.4	1.5	1.2
Personal consumption expenditures:				
Food	2.4	2.4	0.5	0.9
Energy goods and services ¹	-32.1	-9.1	29.6	3.3
Less food and energy	2.7	1.4	1.9	1.8

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

Note: Percent changes in major aggregates are shown in NIPA table 8.1. Index numbers are shown in tables 7.1, 7.2, and 7.4.

CHART 10

Gross Domestic Purchases Prices: Change From Preceding Quarter



Note—Percent change at annual rate from preceding quarter; based on seasonally adjusted index numbers (1996=100).

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Revisions

The preliminary estimate of a 4.0-percent increase in real GDP in the third quarter is 0.9 percentage point higher than last month's advance estimate (table 10). In the past 20 years, the average revision, without regard to sign, from the advance estimate to the preliminary estimate was 0.5 percentage point.

An upward revision to inventory investment, which added 0.52 percentage point to real GDP growth, reflected the incorporation of revised Census Bureau data for August and newly available data for Septem-

ber. Upward revisions were also made to State and local government spending (a 0.14-percentage-point contribution to GDP growth) and to residential investment (0.13 percentage point), mainly on the basis of revised data for July and August and newly available data for September from the Census Bureau on the value of construction put in place. Put-in-place data also accounted for a downward revision to nonresidential fixed investment.

Table 10. Revisions to Change in Real Gross Domestic Product and Prices, Third Quarter 2002
[Seasonally adjusted at annual rates]

	Percent change from preceding quarter		Preliminary estimate minus advance estimate	
	Advance estimate	Preliminary estimate	Percentage points	Billions of chained (1996) dollars
Gross domestic product	3.1	4.0	0.9	18.8
<i>Less: Exports</i>	2.1	3.3	1.2	3.1
Goods.....	3.8	4.3	0.5	0.9
Services.....	-1.6	1.1	2.7	2.1
<i>Plus: Imports</i>	2.5	2.3	-0.2	-0.6
Goods.....	4.5	4.1	-0.4	-1.3
Services.....	-7.1	-6.1	1.0	0.6
Equals: Gross domestic purchases	3.1	3.8	0.7	15.7
<i>Less: Change in private inventories</i>				13.6
Equals: Final sales to domestic purchasers	3.2	3.4	0.2	3.4
Personal consumption expenditures.....	4.2	4.1	-0.1	-1.6
Durable goods.....	22.7	23.1	0.4	1.0
Nondurable goods.....	1.3	0.9	-0.4	-1.9
Services.....	2.3	2.2	-0.1	-0.5
Private fixed investment.....	0.2	0.1	-0.1	-0.3
Nonresidential.....	0.6	-0.7	-1.3	-3.8
Structures.....	-16.0	-20.6	-4.6	-3.1
Equipment and software.....	6.5	6.6	0.1	0.1
Residential.....	-0.8	2.1	2.9	2.7
Government consumption expenditures and gross investment.....	1.8	3.1	1.3	5.1
Federal.....	2.9	4.3	1.4	2.0
National defense.....	5.1	7.1	2.0	1.9
Nondefense.....	-0.9	-0.7	0.2	0.1
State and local.....	1.2	2.4	1.2	3.1
Addenda:				
Final sales of domestic product.....	3.2	3.5	0.3	6.6
Gross domestic purchases price index.....	1.4	1.2	-0.2	0.0
GDP price index.....	1.1	1.0	-0.1	.....

NOTE: The preliminary estimates for the third quarter of 2002 incorporate the following revised or additional major source data that were not available when the advance estimates were prepared.

Change in private inventories: Manufacturing and trade inventories for August (revised) and September.
Personal consumption expenditures: Retail sales for August and September (revised), consumers' share of new-car purchases for September, average unit value for domestic new autos for September (revised), local and long-distance telephone revenue for the third quarter from company reports, and residential electricity revenue for July from the Energy Information Administration.

Nonresidential fixed investment: Construction put-in-place for July and August (revised) and September, manufacturers' shipments of machinery and equipment for August and September (revised), and manufacturers' shipments of complete civilian aircraft for August (revised) and September.
Residential fixed investment: Construction put-

in-place for July and August (revised) and September.

Exports and imports of goods and services: Exports and imports of goods for August (revised) and September.

Government consumption expenditures and gross investment: Monthly Treasury Statement detailed data for September, and State and local government construction put-in-place for July and August (revised) and September.

Wages and salaries: Employment, average hourly earnings, and average weekly hours for August and September (revised).

GDP prices: Detailed merchandise export and import price indexes for July through September (revised), unit-value index for petroleum imports for August (revised) and September, and housing prices for the third quarter.

Corporate Profits

Profits from current production decreased \$14.1 billion (1.8 percent at a quarterly rate) in the third quarter after decreasing similar amounts in the first and second quarters (table 11).⁸

As in the previous two quarters, the third-quarter decrease in current-production profits contrasted with an increase in profits before tax (PBT).⁹ In the second and third quarters, the difference between changes in current-production profits and changes in PBT mainly reflected decreases in the capital consumption adjustment; in the first quarter, a decrease in the inventory valuation adjustment was almost as important.

Current-production profits consists of profits of domestic corporations and profits from the rest of the world.¹⁰ Profits of domestic financial corporations and nonfinancial corporations accounted about equally for the third-quarter decrease in current-production profits; profits from the rest of the world increased slightly.

8. Profits from current production is estimated as the sum of profits before tax, the inventory valuation adjustment, and the capital consumption adjustment; it is shown in NIPA tables 1.9, 1.14, 1.16, and 6.16C (see "Selected NIPA Tables," which begins on page D-2 of this issue) as corporate profits with inventory valuation and capital consumption adjustments.

Percent changes in profits are shown at quarterly, not annual, rates.

9. Profits before tax is based on inventory and depreciation practices used in tax accounting, whereas the current-production measure—which excludes nonoperating items, such as special charges and capital gains and losses—is based on depreciation of fixed assets and inventory withdrawals valued at current cost.

10. Profits from the rest of the world is calculated as (1) receipts by U.S. residents of earnings from their foreign affiliates plus dividends received by U.S. residents from unaffiliated foreign corporations minus (2) payments by U.S. affiliates of earnings to their foreign parents plus dividends paid by U.S. corporations to unaffiliated foreign residents. These estimates include capital consumption adjustments (but not inventory valuation adjustments) and are derived from BEA's international transactions accounts.

The decrease in profits of domestic nonfinancial corporations reflected an increase in unit costs and a decline (the fourth in a row) in unit prices. The real gross product of these corporations increased in the third quarter.¹¹

In the financial sector, weakness was widespread. Lower profits were posted by commercial banks, Federal Reserve banks, property and casualty insurance companies, and "other" financial corporations (such as real estate investment trusts and federally sponsored credit agencies).

The small increase in profits from the rest of the world reflected a bigger increase in receipts than in payments.

Cash flow from current production, a profits-related measure of internally generated funds available for investment, decreased \$12.2 billion, about the same as in the second quarter.¹² The ratio of cash flow to nonresidential fixed investment, an indicator of the share of the current level of investment that could be financed by internally generated funds, slipped to 86.0 percent from 86.6 percent. (During the expansion of the 1990s, the ratio averaged 82.2 percent.)

11. Gross product of nonfinancial corporations is a measure of the contribution, or value added, of these businesses to the Nation's output. On November 26, 2002, real estimates of the series were revised, beginning with 1999, to reflect new and revised estimates of the industry-based price index used for deflation that usually become available about 4 months after the annual revision of the NIPAs.

12. Cash flow from current production is undistributed profits with inventory valuation and capital consumption adjustments plus the consumption of fixed capital.

Government Sector, next page.

Table 11. Corporate Profits

[Seasonally adjusted]

	Billions of dollars (annual rate)					Percent change (quarterly rate)			
	Level	Change from preceding quarter							
	2002	2001	2002			2001	2002		
	III	IV	I	II	III	IV	I	II	III
Profits from current production	770.9	124.2	-13.8	-12.6	-14.1	18.1	-1.7	-1.6	-1.8
Domestic industries.....	655.0	101.4	18.9	4.3	-14.9	18.6	2.9	0.7	-2.2
Financial.....	203.5	55.5	15.4	-2.5	-7.2	39.0	7.8	-1.2	-3.4
Nonfinancial.....	451.5	46.0	3.4	6.9	-7.8	11.4	0.8	1.5	-1.7
Rest of the world.....	115.9	22.9	-32.7	-16.9	0.8	16.1	-19.8	-12.8	0.7
Receipts (inflows).....	181.1	-11.1	5.3	12.0	7.7	-6.6	3.4	7.4	4.4
Payments (outflows).....	65.2	-33.8	37.9	28.9	6.9	-133.6	444.9	98.3	11.8
IVA.....	-15.2	18.3	-25.3	-7.6	-9.5	.....	.....	.....	.....
CCAdj.....	117.6	161.2	-28.8	-23.5	-15.2	.....	.....	.....	.....
Profits before tax.....	668.5	-55.2	40.3	18.5	10.6	-8.4	6.7	2.9	1.6
Profits tax liability.....	214.8	-25.6	31.8	11.3	1.1	-13.1	18.6	5.6	0.5
Profits after tax.....	453.7	-29.6	8.5	7.3	9.4	-6.5	2.0	1.7	2.1
Profits from current production less tax liability	556.1	149.9	-45.6	-23.9	-15.2	30.5	-7.1	-4.0	-2.7
Cash flow from current production.....	954.5	100.5	-36.3	-12.6	-12.2	11.0	-3.6	-1.3	-1.3
	Dollars								
Unit price, costs, and profits of nonfinancial corporations:									
Unit price.....	1.034	-0.009	-0.002	-0.001	-0.002	.....	.....	.....	.....
Unit labor cost.....	0.680	-0.014	-0.002	-0.002	0	.....	.....	.....	.....
Unit nonlabor cost.....	0.271	-0.004	0	0.001	0.002	.....	.....	.....	.....
Unit profits from current production.....	0.084	0.008	-0.001	0.001	-0.003	.....	.....	.....	.....

Note. Levels of these and other profits series are shown in NIPA tables 1.14, 1.16, 6.16C, and 7.15.

IVA Inventory valuation adjustment

CCAdj Capital consumption adjustment

Government Sector

The combined current deficit of the Federal Government and of State and local governments increased \$6.7 billion, to \$242.1 billion, in the third quarter after increasing \$33.8 billion in the second (table 12).¹³ The third-quarter increase was accounted for by the State and local current deficit, which increased in the third quarter after decreasing in the second. The Federal current deficit was unchanged in the third quarter after increasing in the second.

Federal

The Federal Government current deficit was unchanged, at \$190.3 billion, in the third quarter after increasing \$44.5 billion in the second. Current receipts and current expenditures both turned down.

Current receipts. Federal current receipts decreased \$4.2 billion in the third quarter after increasing \$4.3 billion in the second. The downturn was more than accounted for by a deceleration in corporate profits tax accruals and by a larger decrease in personal tax and nontax receipts in the third quarter than in the second. In contrast, indirect business tax and nontax accruals and contributions for social insurance accelerated slightly.

Corporate profits tax accruals increased \$0.9 billion after increasing \$9.7 billion. The deceleration reflected the smaller increase in domestic corporate profits before tax.

Personal tax and nontax receipts decreased \$13.8 billion after decreasing \$12.9 billion. The larger decrease was accounted for by personal income taxes. Within personal income taxes, nonwithheld income taxes decreased \$12.1 billion after decreasing \$9.6 billion. Withheld income taxes decreased \$1.2 billion after decreasing \$2.8 billion.

Indirect business tax and nontax accruals increased \$2.5 billion after increasing \$1.8 billion. The acceleration primarily reflected an acceleration in custom duties, which increased \$3.0 billion after increasing \$0.6 billion. In contrast, excise taxes decelerated, increasing \$0.2 billion after increasing \$1.5 billion. Within excise taxes, air transport excise taxes turned down after a second-quarter increase that reflected the Passenger Civil Aviation Security Service Fee, which became effective on February 18, 2002.

Contributions for social insurance increased \$6.1 billion after increasing \$5.6 billion. The acceleration was accounted for by contributions for social security (old-age, survivors, disability, and health insurance

trust funds), which increased \$6.2 billion after increasing \$5.5 billion, reflecting an acceleration in wage and salary disbursements.

Current expenditures. Current expenditures decreased \$4.3 billion in the third quarter after increasing \$48.8 billion in the second. The downturn was mostly accounted for by downturns in grants-in-aid to State and local governments and in net interest paid, but decelerations in consumption expenditures and in transfer payments and a larger decrease in "subsidies less

Table 12. Government Sector Current Receipts and Expenditures
[Billions of dollars, seasonally adjusted at annual rates]

	Level	Change from preceding quarter				
	2002	2001	2002			
	III	IV	I	II	III	
Current receipts.....	2,892.9	107.9	-120.4	16.3	10.9	
Current expenditures.....	3,135.0	18.8	72.4	50.1	17.6	
Current surplus or deficit (-).....	-242.1	89.0	-192.7	-33.8	-6.7	
Social insurance funds.....	51.5	-12.1	-12.4	-14.3	1.9	
Other.....	-293.6	101.2	-180.4	-19.4	-8.7	
Federal						
Current receipts.....	1,884.8	96.3	-107.6	4.3	-4.2	
Personal tax and nontax receipts.....	848.1	125.1	-150.7	-12.9	-13.8	
Corporate profits tax accruals.....	181.1	-25.1	27.6	9.7	0.9	
Indirect business tax and nontax accruals.....	112.7	-2.2	1.1	1.8	2.5	
Contributions for social insurance.....	742.8	-1.5	14.5	5.6	6.1	
Current expenditures.....	2,075.0	23.3	59.5	48.8	-4.3	
Consumption expenditures.....	589.6	15.7	22.7	14.7	8.6	
National defense.....	388.9	12.6	16.1	10.4	6.4	
Nondefense.....	200.7	3.0	6.7	4.4	2.1	
Transfer payments (net).....	934.8	21.6	46.0	10.7	7.2	
To persons.....	924.2	15.2	38.5	22.9	7.2	
To the rest of the world.....	10.5	6.4	7.5	-12.2	-0.1	
Grants-in-aid to State and local governments.....	305.0	18.0	2.9	17.3	-4.6	
Net interest paid.....	205.7	-12.0	-13.1	6.4	-9.2	
Subsidies less current surplus of government enterprises.....	39.9	-20.0	1.1	-0.3	-6.4	
Subsidies.....	45.0	-19.2	1.8	0.6	-0.5	
Of which: Agricultural subsidies.....	20.8	0.1	1.0	0.1	-0.8	
Less: Current surplus of government enterprises.....	5.0	0.7	0.7	1.0	5.7	
Less: Wage accruals less disbursements.....	0.0	0.0	0.0	0.0	0.0	
Current surplus or deficit (-).....	-190.3	73.0	-167.1	-44.5	0.0	
Social insurance funds.....	51.6	-12.1	-12.3	-14.4	1.9	
Other.....	-241.9	85.1	-154.8	-30.1	-1.9	
State and local						
Current receipts.....	1,313.2	29.6	-9.9	29.2	10.7	
Personal tax and nontax receipts.....	269.9	2.7	-22.3	3.2	4.7	
Corporate profits tax accruals.....	33.7	-0.5	4.3	1.5	0.2	
Indirect business tax and nontax accruals.....	695.2	9.3	5.3	7.1	10.3	
Contributions for social insurance.....	9.4	-0.1	0.1	0.1	0.0	
Federal grants-in-aid.....	305.0	18.0	2.9	17.3	-4.6	
Current expenditures.....	1,365.1	13.5	15.8	18.5	17.5	
Consumption expenditures.....	1,039.6	8.1	9.5	12.9	9.0	
Transfer payments to persons.....	338.8	6.9	8.0	7.3	8.1	
Net interest paid.....	-1.9	0.2	-0.1	-0.1	0.1	
Less: Dividends received by government.....	0.5	0.0	0.0	0.1	0.0	
Subsidies less current surplus of government enterprises.....	-10.9	-1.7	-1.5	-1.6	0.3	
Subsidies.....	1.6	-1.4	-1.5	-0.9	1.1	
Less: Current surplus of government enterprises.....	12.5	0.4	0.0	0.7	0.8	
Less: Wage accruals less disbursements.....	0.0	0.0	0.0	0.0	0.0	
Current surplus or deficit (-).....	-51.8	16.0	-25.6	10.7	-6.7	
Social insurance funds.....	-0.1	-0.1	0.0	0.1	0.0	
Other.....	-51.7	16.1	-25.6	10.6	-6.7	
Addendum:						
Net lending or net borrowing (-) ¹	-339.9	66.4	-200.0	-30.4	-4.0	
Federal.....	-213.4	72.5	-172.7	-48.4	4.4	
State and local.....	-126.5	-6.1	-27.3	18.0	-8.4	

13. The combined current surplus or deficit of the Federal Government and State and local governments is the NIPA measure of net saving by government. Net saving equals gross saving less consumption of fixed capital. These estimates are shown in NIPA table 5.1.

1. Net lending or borrowing is conceptually similar to net financial investment in the flow-of-funds accounts prepared by the Board of Governors of the Federal Reserve System. The two measures differ primarily because government net lending or borrowing is estimated from data for transactions, whereas net financial investment is estimated from data for financial assets. There are also small conceptual differences, such as the classification of the Federal Government's railroad retirement and veterans life insurance programs.

current surplus of government enterprises” also contributed.

Grants-in-aid to State and local governments decreased \$4.6 billion after increasing \$17.3 billion. Grants for State Medicaid programs, for education, for natural resources, for central executive, legislative, and judicial activities, and for housing and community services all turned down. Net interest paid decreased \$9.2 billion after an increase of \$6.4 billion. Gross interest paid decreased \$7.8 billion after increasing \$6.3 billion, primarily reflecting a downturn in interest paid to persons and business.

Consumption expenditures increased \$8.6 billion after a \$14.7 billion increase. The deceleration was mostly accounted for by defense consumption expenditures. Within defense consumption expenditures, services decelerated, increasing \$4.5 billion after a \$9.4 billion increase. Within services, “other services” (which includes expenditures for research and development, for transportation of materials, for travel of persons, and for other services) increased \$3.2 billion after a \$7.0 billion increase. Also within services, compensation of employees decelerated, increasing \$1.1 billion after a \$2.3 billion increase. In contrast, durable goods accelerated, increasing \$1.6 billion after a \$0.2 billion increase; spending on parts for aircraft, for ships, and for electronics accelerated, and spending on parts for missiles and for other durable goods turned up.

Nondefense consumption expenditures increased \$2.1 billion after an increase of \$4.4 billion. The deceleration was mostly accounted for by a downturn in nondurable goods. Within nondurable goods, strategic petroleum reserve purchases turned down, and Commodity Credit Corporation inventory change turned down, decreasing \$0.4 billion after increasing \$0.5 billion.

“Subsidies less current surplus of government enterprises” decreased \$6.4 billion after decreasing \$0.3 billion. The decrease was more than accounted for by an acceleration in “current surplus of government enterprises.” Within “current surplus of government enterprises,” the Postal Service current surplus increased \$4.9 billion after increasing \$0.8 billion. The acceleration reflected the postal rate increase for all classes of mail that went into effect on June 30, 2002.

“Transfer payments (net)” increased \$7.2 billion after increasing \$10.7 billion. Transfer payments to persons decelerated sharply, mostly because of a slowdown in unemployment benefits, which increased \$0.2 billion after increasing \$15.0 billion. Transfer payments to the rest of the world changed little after a substantial decrease. The second-quarter decrease followed a first-quarter increase that included a pay-

ment of \$2.4 billion (\$9.6 billion at an annual rate) to Israel for economic support.

State and local

The State and local government current deficit increased \$6.7 billion in the third quarter after decreasing \$10.7 billion in the second. Current receipts decelerated more than current expenditures.

Current receipts. State and local government current receipts increased \$10.7 billion after increasing \$29.2 billion. The deceleration was more than accounted for by the downturn in Federal grants-in-aid.

Corporate profits tax accruals decelerated, increasing \$0.2 billion after increasing \$1.5 billion.

Indirect business tax and nontax increased \$10.3 billion after increasing \$7.1 billion. The acceleration was more than accounted for by sales taxes, which increased \$6.7 billion after increasing \$3.2 billion. Law changes in twelve States boosted sales taxes on tobacco products by \$2.3 billion in the third quarter.

Personal tax and nontax receipts increased \$4.7 billion after increasing \$3.2 billion. The acceleration was mostly accounted for by personal income taxes, which increased \$3.8 billion after increasing \$2.4 billion, reflecting an acceleration in wages and salary disbursements.

Current expenditures. Current expenditures increased \$17.5 billion after increasing \$18.5 billion. The deceleration was more than accounted for by a deceleration in consumption expenditures. In contrast, “subsidies less current surplus of government enterprises” turned up, and transfer payments accelerated.

Consumption expenditures increased \$9.0 billion after increasing \$12.9 billion. The deceleration was accounted for by decelerations in nondurable goods, which increased \$2.4 billion after increasing \$4.9 billion, and in services, which increased \$6.4 billion after increasing \$7.8 billion. Within nondurable goods, petroleum products decelerated, and within services, “other services” turned down.

“Subsidies less current surplus of government enterprises” increased \$0.3 billion after decreasing \$1.6 billion. Subsidies increased \$1.1 billion after decreasing \$0.9 billion, reflecting an upturn in electricity subsidies by the State of California.

Transfer payments to persons increased \$8.1 billion after an increase of \$7.3 billion. The acceleration was mostly accounted for by Medicaid payments.

Net lending or net borrowing

“Net lending or net borrowing(–)” is an alternative measure of the government fiscal position. Net lending is the financing requirement of the government sector and is derived as the current surplus plus the

consumption of fixed capital and “capital transfers received (net)” less gross investment and net purchases of nonproduced assets.¹⁴

The government financing requirement continued to deteriorate; net borrowing increased \$4.0 billion in the third quarter after increasing \$30.4 billion in the second. Federal net borrowing decreased \$4.4 billion

as a result of an increase in capital transfers received, reflecting an upturn in estate and gift taxes. State and local net borrowing increased \$8.4 billion mainly as a result of the increase in the current deficit.

Government gross investment increased \$4.3 billion after decreasing \$7.2 billion. The upturn was more than accounted for by State and local government gross investment, mainly by investment in structures, which increased \$3.8 billion after decreasing \$8.1 billion.

14. Net lending or net borrowing estimates are shown in NIPA tables 3.1-3.3.

Updated NIPA Tables

Estimates in national income and product accounts (NIPA) tables 1.16 and 7.15 have been revised to incorporate newly available information.

For tables 1.16 and 7.15, the annual estimates of real gross product of nonfinancial corporate business for 1999–2001 and the quarterly estimates for 1999:I–2002:II have been revised to reflect revised estimates of the industry-based price index used for deflation. The use of this index, which typically becomes available about 4

months after the annual revision of the NIPA's, was introduced in the 1999 comprehensive NIPA revision to better reflect the changing industrial composition of this sector and to provide better measures of productivity, costs, and profits per unit of gross product. In table 1.16, the estimates in lines 36 and 38 are revised, and in table 7.15, all estimates through 2002:II are revised.

Tables 1.16 and 7.15 follow.

Table 1.16. Gross Product of Corporate Business in Current Dollars and Gross Product of Nonfinancial Corporate Business in Current and Chained Dollars

	Line	1999	2000	2001	Seasonally adjusted at annual rates														
					1999				2000				2001				2002		
					I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Billions of dollars																			
Gross product of corporate business	1	5,637.4	6,049.4	6,117.5	5,548.9	5,583.9	5,649.8	5,767.0	5,963.8	6,016.9	6,103.4	6,113.7	6,106.5	6,102.9	6,107.2	6,153.4	6,249.2	6,320.0	6,368.4
Consumption of fixed capital	2	665.5	721.1	789.1	646.4	657.1	675.0	683.4	698.6	714.1	728.9	742.8	755.9	772.3	835.6	792.6	808.3	826.1	836.1
Net product	3	4,972.0	5,328.3	5,328.4	4,902.5	4,926.8	4,974.8	5,083.7	5,265.2	5,302.8	5,374.5	5,370.8	5,350.6	5,330.6	5,271.6	5,360.8	5,440.9	5,493.8	5,532.3
Indirect business tax and nontax liability plus business transfer payments less subsidies	4	517.7	550.0	565.7	506.1	512.0	522.0	530.7	544.0	547.2	551.5	557.1	564.8	571.3	549.9	576.7	582.1	588.8	598.9
Domestic income	5	4,454.3	4,778.4	4,762.7	4,396.5	4,414.7	4,452.8	4,553.0	4,721.2	4,755.6	4,822.9	4,813.7	4,785.8	4,759.3	4,721.7	4,784.1	4,858.9	4,905.0	4,933.4
Compensation of employees	6	3,594.1	3,893.9	3,945.6	3,529.8	3,559.2	3,607.1	3,680.2	3,828.8	3,851.6	3,930.4	3,964.6	3,962.7	3,953.6	3,944.5	3,921.6	3,941.7	3,979.2	4,021.1
Wage and salary accruals	7	3,082.2	3,343.9	3,378.6	3,024.9	3,050.4	3,093.4	3,160.2	3,289.5	3,306.3	3,376.3	3,403.6	3,399.2	3,387.7	3,376.0	3,351.4	3,360.6	3,386.2	3,415.7
Supplements to wages and salaries	8	511.9	549.9	567.0	504.9	508.8	513.7	520.0	539.3	545.3	554.1	561.0	563.5	565.9	568.5	570.2	581.1	593.0	605.4
Corporate profits with inventory valuation and capital consumption adjustments	9	685.5	644.8	580.9	694.9	686.6	672.5	688.3	676.1	665.9	642.3	594.8	570.4	560.9	545.3	646.7	665.6	669.9	655.0
Profits before tax	10	641.9	639.0	519.4	631.0	637.4	637.9	661.2	665.3	659.1	635.2	596.2	570.9	559.8	512.5	434.4	507.4	542.9	552.6
Profits tax liability	11	247.8	259.4	199.3	243.1	246.0	246.3	255.7	270.8	267.3	257.4	241.9	217.3	213.1	196.2	170.6	202.4	213.7	214.8
Profits after tax	12	394.1	379.6	320.1	387.9	391.4	391.6	405.5	394.5	391.8	377.8	354.2	353.6	346.7	316.3	263.8	305.0	329.2	337.8
Dividends	13	299.6	349.5	383.1	316.9	301.1	282.0	298.3	328.8	334.4	362.9	371.9	381.2	369.2	390.2	391.9	402.8	385.1	375.6
Undistributed profits	14	94.5	30.1	-63.0	71.0	90.3	109.5	107.1	65.7	57.5	14.9	-17.7	-27.6	-22.5	-73.9	-128.1	-97.9	-56.0	-37.8
Inventory valuation adjustment	15	-4.2	-15.0	5.0	16.0	-2.5	-13.8	-16.6	-22.6	-16.4	-8.3	-12.5	-10.1	-6.2	8.9	27.2	1.9	-5.7	-15.2
Capital consumption adjustment	16	47.9	20.8	56.5	47.8	51.6	48.5	43.7	33.4	23.1	15.4	11.1	9.6	7.3	23.9	185.1	156.3	132.8	117.6
Net interest	17	174.7	239.7	236.3	171.9	169.0	173.2	184.5	216.3	238.1	250.2	254.3	252.7	244.8	231.8	215.8	251.6	255.8	257.3
Gross product of financial corporate business	18	656.4	754.4	763.3	649.0	638.8	654.8	682.8	735.1	741.8	767.9	773.0	787.9	762.1	741.5	761.8	825.5	831.3	830.4

See footnotes at end of table.

Table 1.16. Gross Product of Corporate Business in Current Dollars and Gross Product of Nonfinancial Corporate Business in Current and Chained Dollars—Continued

	Line	1999	2000	2001	Seasonally adjusted at annual rates														
					1999				2000				2001				2002		
					I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Gross product of nonfinancial corporate business	19	4,981.0	5,295.0	5,354.2	4,899.9	4,945.1	4,995.0	5,084.2	5,228.7	5,275.1	5,335.5	5,340.7	5,318.6	5,340.9	5,365.7	5,391.6	5,423.8	5,488.7	5,537.9
Consumption of fixed capital	20	556.2	599.4	652.8	542.2	549.6	564.0	569.1	581.2	593.7	605.8	617.1	627.6	641.6	684.9	657.0	670.7	685.1	693.7
Net product	21	4,424.9	4,695.6	4,701.4	4,357.7	4,395.6	4,431.1	4,515.1	4,647.5	4,681.4	4,729.7	4,723.6	4,691.0	4,699.3	4,680.8	4,734.6	4,753.1	4,803.6	4,844.3
Indirect business tax and nontax liability plus business transfer payments less subsidies	22	478.4	508.9	523.7	467.6	473.1	482.4	490.4	503.2	506.3	510.5	515.8	523.3	529.3	508.0	534.3	539.3	545.6	555.0
Domestic income	23	3,946.5	4,186.6	4,177.7	3,890.1	3,922.5	3,948.7	4,024.7	4,144.3	4,175.1	4,219.2	4,207.8	4,167.7	4,170.0	4,172.8	4,200.3	4,213.9	4,258.0	4,289.3
Compensation of employees	24	3,272.0	3,542.1	3,573.5	3,213.4	3,240.2	3,283.8	3,350.4	3,482.9	3,503.6	3,575.3	3,606.4	3,589.0	3,580.7	3,572.5	3,551.8	3,570.1	3,604.1	3,642.1
Wage and salary accruals	25	2,804.7	3,040.1	3,056.4	2,752.5	2,775.8	2,814.9	2,875.7	2,990.6	3,005.9	3,069.5	3,094.3	3,075.1	3,064.7	3,054.1	3,031.8	3,040.2	3,063.3	3,090.0
Supplements to wages and salaries	26	467.2	502.0	517.1	460.9	464.5	469.0	474.7	492.3	497.8	505.8	512.1	513.9	516.0	518.4	520.0	529.9	540.8	552.1
Corporate profits with inventory valuation and capital consumption adjustments	27	518.5	461.8	407.4	532.8	530.6	504.6	505.9	490.9	490.1	456.2	410.0	384.3	393.1	403.0	449.0	452.4	459.3	451.5
Profits before tax	28	460.1	437.9	328.8	455.9	467.2	454.7	462.8	463.6	466.0	430.7	391.3	362.8	368.2	349.8	234.3	289.2	324.4	340.3
Profits tax liability	29	166.9	172.4	123.5	165.5	169.9	164.9	167.3	183.8	183.6	169.1	153.2	134.3	136.2	129.4	94.0	119.8	130.8	134.7
Profits after tax	30	293.2	265.5	205.3	290.4	297.4	289.8	295.4	279.8	282.5	261.6	238.1	228.4	232.0	220.4	140.3	169.5	193.6	205.6
Dividends	31	239.2	259.6	278.5	254.7	242.8	225.3	234.0	252.3	250.4	266.3	269.7	276.7	268.3	283.8	285.2	293.1	280.2	273.3
Undistributed profits	32	54.0	5.9	-73.2	35.6	54.6	64.5	61.4	27.6	32.1	-4.6	-31.6	-48.3	-36.3	-63.4	-144.9	-123.6	-86.6	-67.7
Inventory valuation adjustment	33	-4.2	-15.0	5.0	16.0	-2.5	-13.8	-16.6	-22.6	-16.4	-8.3	-12.5	-10.1	-6.2	8.9	27.2	1.9	-5.7	-15.2
Capital consumption adjustment	34	62.6	38.8	73.6	60.9	65.8	63.7	59.8	49.9	40.4	33.9	31.3	31.7	31.1	44.3	187.4	161.3	140.6	126.4
Net interest	35	156.1	182.7	196.8	143.9	151.6	160.2	168.5	170.5	181.4	187.7	191.3	194.4	196.1	197.3	199.5	191.4	194.6	195.7
		Billions of chained (1996) dollars																	
Gross product of nonfinancial corporate business ¹	36	4,902.1	5,148.3	5,141.8	4,832.3	4,866.8	4,914.7	4,994.6	5,109.2	5,129.2	5,180.2	5,174.4	5,131.4	5,125.2	5,121.3	5,189.3	5,231.3	5,298.5	5,354.3
Consumption of fixed capital ²	37	574.5	616.7	671.9	558.9	567.9	582.7	588.4	599.5	611.1	622.6	633.7	644.6	659.3	702.9	681.0	695.2	715.4	731.4
Net product ³	38	4,327.6	4,531.5	4,469.9	4,273.4	4,298.9	4,332.0	4,406.3	4,509.7	4,518.1	4,557.7	4,540.7	4,486.8	4,465.9	4,418.4	4,508.4	4,536.0	4,583.0	4,622.9

1. Effective November 26, 2002, the estimates of chained-dollar gross product of nonfinancial corporate business beginning with 1999 have been revised to reflect the 2002 annual revision to the gross product price index for nonfinancial industries.

2. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of the

chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100.

3. Chained-dollar net product of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.

Table 7.15. Price, Costs, and Profit Per Unit of Real Gross Product of Nonfinancial Corporate Business
(Dollars)

	Line	1999	2000	2001	Seasonally adjusted														
					1999				2000				2001				2002		
					I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III
Price per unit of real gross product of nonfinancial corporate business ¹	1	1.016	1.029	1.041	1.014	1.016	1.016	1.018	1.023	1.028	1.030	1.032	1.037	1.042	1.048	1.039	1.037	1.036	1.034
Compensation of employees (unit labor cost)	2	.667	.688	.695	.665	.666	.668	.671	.682	.683	.690	.697	.699	.699	.698	.684	.682	.680	.680
Unit nonlabor cost	3	.243	.250	.267	.239	.241	.246	.246	.245	.250	.252	.256	.262	.266	.272	.268	.268	.269	.271
Consumption of fixed capital	4	.113	.116	.127	.112	.113	.115	.114	.114	.116	.117	.119	.122	.125	.134	.127	.128	.129	.130
Indirect business tax and nontax liability plus business transfer payments less subsidies	5	.098	.099	.102	.097	.097	.098	.098	.098	.099	.099	.100	.102	.103	.099	.103	.103	.103	.104
Net interest	6	.032	.035	.038	.030	.031	.033	.034	.033	.035	.036	.037	.038	.038	.039	.038	.037	.037	.037
Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production)	7	.106	.090	.079	.110	.109	.103	.101	.096	.096	.088	.079	.075	.077	.079	.087	.086	.087	.084
Profits tax liability	8	.034	.033	.024	.034	.035	.034	.033	.036	.036	.033	.030	.026	.027	.025	.018	.023	.025	.025
Profits after tax with inventory valuation and capital consumption adjustments	9	.072	.056	.055	.076	.074	.069	.068	.060	.060	.055	.050	.049	.050	.053	.068	.064	.062	.059

1. The implicit price deflator for gross product of nonfinancial corporate business divided by 100.

NOTE: Effective November 26, 2002, the estimates beginning with 1999 have been revised to reflect the 2002 annual revision to the industry-based price index for the gross product of nonfinancial corporate business.

Benchmark Input-Output Accounts of the United States, 1997

By Ann M. Lawson, Kurt S. Bersani, Mahnaz Fahim-Nader, and Jiemin Guo

THIS article presents the 1997 benchmark input-output (I-O) accounts, the latest in a series of accounts that provide the most detailed, integrated information available on the structure of the U.S. economy. The I-O accounts—including the detailed once-every-5-year benchmark accounts and the less detailed annual updates—provide an extensive accounting of the production of goods and services by each industry and commodity, which includes the goods and services purchased by each industry, the incomes earned in each industry, and the distribution of sales for each good and service to industries and final users.¹ They also detail each industry's contribution to gross domestic product (GDP) and to its counterpart gross domestic income (GDI).

These accounts are used by industry analysts to assess such issues as the potential size of direct and indirect sales and the potential sources of growth. Analysts and policymakers can also use the accounts to assess the impact across industries and on consumers of increases in petroleum prices, insurance costs, and taxes. State and local government analysts use them through regional extensions of the I-O framework to assess the impact of base-closings or of major development projects. BEA and other statistical agencies use them to benchmark GDP and other key statistics.

The 1997 benchmark I-O accounts show the flows of 483 commodities to 491 industries and to 13 final uses. Final uses represent expenditures by households, government, and business for consumption or investment. The categories of final uses are personal consumption expenditures (PCE), gross private domestic investment, exports, imports, and government consumption expenditures and gross investment. GDP, which excludes intermediate purchases in order to avoid double counting (for example, of the semiconductors that go into computers or the flour that goes into bread) is by definition equal to the sum of all final

uses. The I-O accounts show the contribution made by the primary inputs (mainly labor and capital) to the output of each industry.

Value added is the difference between a firm's sales and its intermediate purchases of materials and services from other firms. It is equal to the contributions of capital and labor to the firm's sales as measured by the incomes that they receive. Because value added includes only the firm's own contribution to output, the sum of value added, and of the sum of the incomes earned in production, equals GDI and also GDP.

In 1997, total sales, or the gross output, of U.S. business was \$14.9 trillion; deducting the \$6.5 trillion in intermediate purchases yields a GDP of \$8.3 trillion. On average, intermediate purchases of materials, energy, and all other commodities accounted for 44 cents of each dollar of sales, and value added accounted for the remaining 56 cents (with 31 cents for compensation, 4 cents for indirect business taxes and nontax liabilities, and 20 cents for other value added).

The I-O accounts are the building blocks for other economic accounts, including BEA's national income and product accounts (NIPA's). The impact of the 1997 I-O accounts on the NIPA estimates of GDP expenditure and income components will be presented in a forthcoming issue of the *SURVEY OF CURRENT BUSINESS*.

The major changes introduced in the 1997 benchmark I-O accounts include the following:

- Incorporated the North American Industry Classification System (NAICS), which provides the accounts with a more relevant system for classifying industries, especially for services, than its predecessor Standard Industrial Classification (SIC) system, which originated in the 1930s. As a result, the 1997 benchmark accounts provide greater detail on service industries—including those in the new sector "Information," which accounted for 4.4 percent of total value added.
- Pulled out certain service activities that had formerly been embedded in the statistical data and included them in industries that provide similar types of services. These activities consist of services provided by the central administrative offices and

1. Benchmark I-O accounts are prepared at 5-year intervals and are based on detailed data from the economic census conducted by the Census Bureau. The eight previous benchmark I-O accounts covered 1958, 1963, 1967, 1972, 1977, 1982, 1987, and 1992. The 1992 I-O accounts were presented in the November and December 1997 issues of the *SURVEY OF CURRENT BUSINESS*.

other types of auxiliaries (such as trucking and legal services) of companies. This new treatment, which is part of the change to NAICS, ensures that the measure of services is independent of changes in company practices for outsourcing to other businesses. In the 1997 benchmark accounts, 3.1 percent of total value added is moved into these industries, mostly from manufacturing and from wholesale and retail trade.

- Presented the 1997 benchmark I-O accounts in a new featured set of “standard” tables that conform closely to the statistical data sources. These tables are more consistent with the GDP-by-industry accounts and the gross state product accounts and with other industry data that are based on information collected using NAICS.
- Adapted the software tool on BEA’s Web site so users can interactively select and customize data from the benchmark I-O accounts. As a result, users can easily select, preview, and download data at different levels of aggregation and using different measures of value.

This article is presented in three parts. The first part summarizes the major changes to the 1997 benchmark accounts that result from the conversion from the SIC system to NAICS. The second part describes other major changes in classification, methodology, and presentation that have been introduced. The third part summarizes the methodology used to compile the accounts. A technical note describing the 1997 I-O tables is followed by several appendix tables that provide information on the classification of industries, value added, and final uses and bridge tables that link the 1997 benchmark I-O accounts to the NIPA’s.

NAICS and Its Effects on the 1997 Benchmark I-O Accounts

Unlike the SIC, NAICS classifies industries based on the economic concept of production: Establishments are grouped according to the similarities of their production processes rather than the similarities of their products.² In using the concept of production, NAICS-based classifications are more in line with the principle underlying the I-O classifications: Industries are classified in the I-O accounts so that each industry has a unique production function.

One of the largest differences introduced by NAICS is that auxiliaries are now treated as establishments, classified by their production processes.³ In the SIC, the services provided by auxiliaries are measured as ex-

penses of the industry that uses the auxiliary service. In NAICS, the services that these auxiliaries provide are recognized as output, and the compensation paid to employees, indirect business tax and nontax liability, and depreciation make up the value added of auxiliaries.⁴ The incorporation of NAICS has enabled the 1997 benchmark I-O accounts to provide a better picture of the composition of the increasingly services-oriented U.S. economy. With this treatment, GDP does not increase; instead, the intermediate purchases and the value added of the auxiliaries are moved from the establishments that use their services to an industry with similar production processes.

A second significant change in NAICS is the additional detail provided for the services sector. NAICS recognizes that the focus of U.S. economic activity has been shifting from goods to services, so that services have been accounting for a greater share of GDP over time. Whereas the 1992 benchmark I-O accounts showed an aggregate sector “Services,” NAICS allows for a more detailed breakdown that includes

- Professional and business services,
- Education and health services, and
- Leisure and hospitality services.

A third important change in NAICS is the introduction of the sector “Information.” This new sector reflects the new and advanced technologies that play increasingly important roles in the U.S. economy. Thus, the effects of these technologies on the economy are shown together rather than being scattered among manufacturing, services, and communications.

As a result of the NAICS changes, nearly \$200 billion of value added was shifted from the goods-producing sectors to the services-providing sectors.⁵ Total economic activity itself has not changed, but BEA’s measure of services in the economy has improved.

Treatment of auxiliaries

In the SIC, auxiliaries are classified as being part of the industry that uses their services.⁶ This treatment is best illustrated with an example. A plant that produces soft drinks uses the services of a central administrative office (CAO) that is located outside of the plant; this CAO handles activities such as paying invoices and providing payroll services for the soft drink plant. Under the SIC treatment, the intermediate purchases of

4. For auxiliaries, output is the sum of intermediate purchases plus value added, which is measured as the sum of compensation, indirect business tax and nontax liability, and depreciation. Intermediate purchases are all the other operating expenses of an establishment.

5. Goods-producing sectors include natural resources and mining, construction, and manufacturing. Services-providing sectors include utilities, trade, transportation and warehousing, information, and all other services.

6. See Executive Office of the President, Office of Management and Budget, *Standard Industrial Classification Manual 1987* (Springfield, VA: National Technical Information Service): 13–15.

2. For details about the differences between the 1987 Standard Industrial Classification System and the 1997 NAICS, see the Census Bureau’s Web site at <www.census.gov>.

3. Auxiliaries are establishments that primarily provide support services, such as payroll services or data-processing services, to other establishments of the same enterprise.

the CAO are included in the intermediate purchases of the soft drink plant, and the compensation, the indirect business tax and nontax liability, and the depreciation expenses of the auxiliary are reflected in the value added of the soft drink plant.

In NAICS, the services the CAO provides are measured as separate economic activities rather than grouped with the economic activities of the soft drink plant, and the services provided by auxiliaries are now explicitly measured and treated as output. Auxiliary value added, intermediate purchases, and output are grouped with similar industry activity, and the auxiliary services are shown as purchases by the industries served. The important change is that the activities of the auxiliaries are grouped in industries with similar production processes.⁷

NAICS recognizes a new industry, "Management of companies and enterprises" (NAICS 5511). Most of the establishments in this new industry are CAO's. In addition, the 1997 Economic Census collected data on

12 types of auxiliaries in services, in transportation and warehousing, and in information.⁸ Most of these other auxiliaries are in "Professional, scientific, and technical services" (NAICS 54) and in "Administrative and support and waste management and remediation services" (NAICS 56).

The Economic Census also provided data for auxiliaries on the SIC-industry-served basis, but these data were only partial.⁹ For comparison, BEA used these data to prepare rough approximations of output, intermediate purchases, and value added on an SIC basis. The approximations used an average of the split between the value added and the intermediate purchases of the three largest auxiliaries to remove the NAICS treatment of auxiliaries. Although rough, these approximations provide a means of gauging the effects of the new treatment at an aggregate level and give an indication of the major shifts that have resulted. The results are discussed below and shown in table A.

7. See Karen J. Horowitz and Stephanie H. McCulla, "Upcoming Changes in the NAICS-Based 1997 Benchmark Input-Output Accounts," SURVEY 81 (December 2001): 71.

8. For details about auxiliary services in the 1997 NAICS, see the Census Bureau's Web site at <www.census.gov>.

9. The 1997 Economic Census is the only one in which auxiliaries are presented on both a NAICS basis and an SIC basis.

Table A. Effects of Treating Auxiliaries as Establishments in the 1997 Benchmark I-O Accounts

[Billions of dollars]

After NAICS								
	Natural resources and mining	Utilities and construction	Manufacturing	Trade	Transportation and warehousing	Information	Services and other ¹	Total
Total intermediate inputs	277	494	2,531	605	273	302	2,036	6,517
All other intermediate	263	492	2,361	505	266	296	1,995	6,177
Auxiliaries	14	2	170	100	7	6	41	340
Total value added	178	464	1,254	968	247	367	4,868	8,346
Compensation of employees	55	296	722	546	165	158	2,714	4,656
Indirect business tax and nontax liability	17	35	45	232	13	34	270	646
Other value added	106	133	487	190	69	175	1,883	3,043
Total industry output	455	958	3,785	1,573	520	669	6,903	14,863
Before NAICS								
	Natural resources and mining	Utilities and construction	Manufacturing	Trade	Transportation and warehousing	Information	Services and other ¹	Total
Total intermediate inputs	267	493	2,411	534	261	296	1,915	6,177
All other intermediate	267	493	2,411	534	261	296	1,915	6,177
Auxiliaries	0	0	0	0	0	0	0	0
Total value added	188	465	1,374	1,039	241	369	4,669	8,346
Compensation of employees	63	297	826	607	159	160	2,544	4,656
Indirect business tax and nontax liability	18	35	48	234	13	34	264	646
Other value added	107	133	500	198	69	175	1,861	3,043
Total industry output	455	958	3,785	1,573	502	665	6,585	14,523
Difference								
	Natural resources and mining	Utilities and construction	Manufacturing	Trade	Transportation and warehousing	Information	Services and other ¹	Total
Total intermediate inputs	10	1	120	71	12	6	120	340
All other intermediate	-4	-1	-50	-29	5	0	79	0
Auxiliaries	14	2	170	100	7	6	41	340
Total value added	-10	-1	-120	-71	6	-2	198	0
Compensation of employees	-8	-1	-104	-61	6	-2	170	0
Indirect business tax and nontax liability	-1	0	-3	-2	0	0	6	0
Other value added	-1	0	-13	-8	0	0	22	0
Total industry output	0	0	0	0	18	4	318	340

1. Includes financial services, professional and business services, education and health services, leisure and hospitality, other services, and government industries and other I-O special industries.

The Input-Output Valuation of Transactions

Transactions in commodities are valued at producers' prices in the input-output (I-O) accounts. Producers' prices exclude wholesale and retail trade margins and transportation costs, but they include excise and sales taxes collected and remitted by producers. Transportation costs and trade margins are shown as separate purchases by the users of the commodities. The sum of the producers' value, transportation costs, and trade margins equals the purchasers' value.

In order to show the relationship between the production of commodities and their purchase by intermediate and final users, commodities are shown as if they move directly to users. The flows of commodities for resale to and from wholesale trade and retail trade are not shown. If trade were shown as buying and reselling commodities, industrial and final users would make most of their purchases from a single source—trade.

Wholesale and retail trade margins on commodities are shown as purchases by users and are included in the trade rows of use table 2 (rows 4200 and 4A00). Transportation costs are the freight charges paid to move the commodity from the producer to the intermediate user or the final user. All transportation costs are shown as a purchase by users and are included in the transportation rows of use table 2 (rows 4810 through 4840 and row 4860).

The **wholesale trade** sector comprises establishments engaged in wholesaling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise. (Wholesalers sell merchandise to other businesses and normally operate from a warehouse or office.) The sector consists of two main types of wholesalers: Those that sell goods on their own account, and those that arrange sales and purchases for others for a commission or fee. Wholesale trade output consists of trade margin output and nonmargin output; both exclude the cost of goods purchased for resale. Both the margin and nonmargin outputs are included in the wholesale trade row of use table 2 (row 4200).

The trade margin output occurs when an establishment buys and resells the good. It is included in the purchasers' prices of the goods that are purchased but not in the producers' prices of those goods, and it is measured in two parts. For merchant wholesalers and for agents and brokers selling goods on their own account, the trade margin is calculated as wholesale sales less the cost of goods sold plus taxes collected by the distributor. For manufacturers' sales branches (wholesale trade establishments that primarily market goods manufactured by the same firm), it is calculated as expenses (excluding the cost of the goods) plus taxes collected by the sales branches.

Nonmargin output occurs when a wholesale trade service is purchased separately from the commodity, such as when a wholesaler acts as a broker between buyer and seller. Nonmargin output is assumed to be purchased by the producer of the goods being sold and is thus reflected in the producers' prices of the goods. It is measured as the sum of expenses (excluding the cost of the goods) on goods sold by manufacturers' sales offices, the commissions on goods sold by agents and brokers and by merchant wholesalers acting as commission merchants, the taxes

collected, and the customs duties, which are considered as taxes collected by wholesale trade establishments.

Retail trade has one primary product—distributive services for the sale of goods. Its output consists primarily of retail trade margins, which are measured as retail sales less the cost of goods sold plus the taxes collected by retail trade establishments. All retail trade margin and nonmargin output are included in the retail trade row of use table 2 (row 4A00).

Retail trade margins apply primarily to purchases by persons, but they are also applied to purchases by business and government, such as some purchases of personal computers by business. Retail trade margins are also applied to some intermediate purchases by business, such as office supplies, gasoline, and construction materials.

Imports of goods and services, a component of final uses, are measured by individual commodity at domestic port values. The domestic port value of an imported commodity, which includes customs duties, is considered equivalent to the producers' price of a domestically produced commodity. The imports of transportation and wholesale trade include adjustments to convert the sum of all commodity imports of goods to foreign port value.

Imports of services are valued at producers' prices. No margins or transportation costs are associated with services.

All imports except for "noncomparable imports" are assumed either to be consumed within the U.S. boundaries or to have domestic equivalents. Noncomparable imports consist of goods purchased by U.S. residents abroad and of services imports that have no domestic counterparts.¹ These services include travel by U.S. residents abroad—both foreign travel by U.S. residents, which is included in final demand as a part of personal consumption expenditures, and foreign travel by U.S. business people, which is included as intermediate purchases. Noncomparable imports are distributed directly to industries and final users and are shown separately in use table 2 (row S003).

Exports of goods and services, a component of final uses, are measured by commodity at producers' prices—the same as other domestically produced commodities. Transportation costs and trade margins, which are required to move exports from the producer to the port of exit, are included in the transportation and trade rows of use table 2 (rows 4200, 4810 through 4840, and 4860).

Change in private inventories, a component of final uses, is measured by commodity at the LIFO-reserve-adjusted book value that is reported by industries in the economic census. The inventory valuation adjustment, which removes inventory profits or losses from total gross domestic product in the I-O accounts, is shown as a single entry in use table 2 (row S007, column F030).

1. Most imported goods now have domestic counterparts. Before the 1992 benchmark I-O accounts, noncomparable imports also included domestically consumed imported goods, such as bananas and coffee, that had no significant domestic counterparts.

Changes to intermediate purchases and to value added. The new treatment of auxiliaries raises total intermediate purchases and affects the industry distribution of value added. In the SIC-based classification, the services of auxiliaries are shown as intermediate purchases of goods and services, and the value added of the industries that used auxiliary services was higher than the NAICS treatment because it included compensation paid to the auxiliary's employees, indirect business tax and nontax liabilities paid by the auxiliary, and depreciation of the auxiliary's fixed capital. In the NAICS-based classification, the value-added components of an auxiliary are shown as the value added in the industries where they are classified.

As a result of the new classification, total intermediate purchases were \$6,517 billion, or about 5 percent higher than in the SIC. The \$340 billion increase represents the amount of industry purchases of the new auxiliary services (table A). Total value added in the economy remained the same, but value added across industries changed.

In the goods-producing sectors, value added decreased because the value-added components of auxiliary services were moved, and intermediate purchases increased (chart 1). The largest impact was on manufacturing compensation, which dropped more than \$100 billion. In the services-providing sectors, as a result of the new auxiliary treatment, especially the addition of the industry "management of companies and enterprises," both value added and intermediate purchases were raised. The higher value added in the services-providing sectors was equal to the amount of auxiliary compensation, indirect business tax and nontax liabilities, and depreciation that was moved from the goods-producing industries.

Changes to gross output. As a result of treating auxiliaries as output-producing establishments in the 1997 benchmark I-O accounts, total gross output was \$14,863 billion, or 2.3 percent higher than in the SIC (table A).¹⁰ The \$340 billion increase, the same as the increase in total intermediate purchases, was almost entirely accounted for by three auxiliaries:

- Corporate, subsidiary, and regional managing offices,
- Auxiliary scientific research and development, and
- Auxiliary warehousing and storage.

Other NAICS changes

The 1997 benchmark I-O estimates include several additional classification changes as a result of incorporating NAICS. Establishments are now grouped according to the similarities of their production

10. In the 1992 benchmark I-O accounts, output of auxiliaries was included for export services and Federally funded research and development.

processes rather than the similarities of their products. The largest of these additional changes were the following:

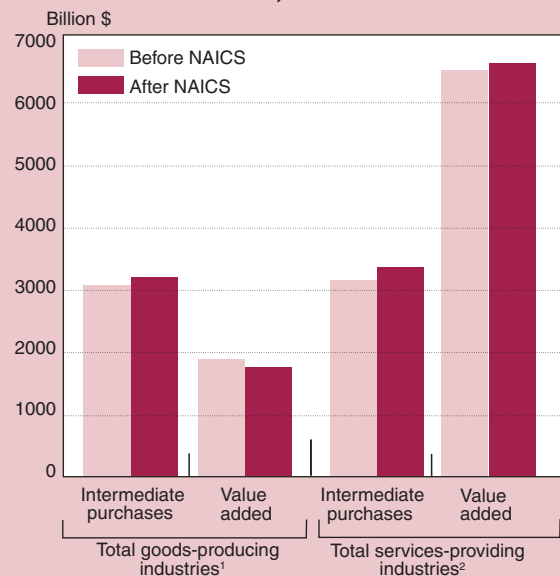
- The new "information" sector was created by combining industries from manufacturing, services, and transportation, communication, and utilities.
- Transportation, communication, and utilities was split into three sectors.
- The new "real estate and rental and leasing" sector was broken out of "finance, insurance, and real estate" and services.
- Services are shown with a breakdown according to their production processes, including "professional, scientific, and technical services," "administrative and waste management services," "educational services," "health care and social assistance," "arts, entertainment, and recreation," and "accommodation and food services."

For a description of these changes that resulted from NAICS and their effects, see table B.

Text continues on page 26.

CHART 1

Effects of Treating Auxiliaries as Establishments, 1997



1. All goods-producing sectors, including manufacturing, construction, natural resources, and mining.

2. All services-providing sectors, including services, trade, utilities, information, and transportation and warehousing.

U.S. Bureau of Economic Analysis

The Input-Output Classification Systems

The input-output (I-O) accounts use two classification systems, both of which generally use the same I-O codes and titles (see appendixes A and B). In the I-O *industry* classification system, output typically represents the total output of all establishments in each industry, regardless of whether the commodities produced are primary to the industry (that is, make up the largest proportion of the establishment's output) or are secondary (that is, primary to another industry). In the I-O *commodity* classification system, output represents the total output of the product or service, regardless of the classification of the establishments that produce it.

The I-O industry classification system. The I-O system is based on the official U.S. classification system, which for 1997 is the North American Industry Classification System (NAICS). NAICS classifies establishments into industries on the basis of the similarities of their production processes. In the previously used Standard Industrial Classification system, establishments are classified into industries on the basis of the similarities of their products.

The I-O industry classification system for 1997 generally applies to both the standard make and use tables and the supplementary make and use tables and requirements tables. For the supplementary make and use tables and requirements tables, industries are modified by redefining or moving some secondary products and their inputs from the industries in which they are produced to those in which they are primary (see the box "Treatment of Secondary Products" on page 27).

However, the I-O industry classification system includes "special industries" (industries or commodities) and "government industries" that are not considered industries in NAICS. Furthermore, because of data limitations, the I-O industry system includes three industries—agriculture, construction, and real estate—that are defined on an activity basis rather than on an establishment basis.

"Special industries" consists of noncomparable imports; scrap, used and secondhand goods; a rest-of-the-world adjustment to final uses; and an inventory valuation adjustment. I-O special industries are incorporated to maintain consistency with economic concepts underlying the national income and product accounts (NIPA's).

"Government industries" include government enterprises (Federal and State and local) and general government, which generally corresponds to the NAICS classification for Public Administration (NAICS Sector 92).

"Activity-based" industries are used for agriculture, construction, and real estate. Agriculture industries are classified by commodity, such as grain farming products, because the quality of the source data on the production of agriculture commodities is believed to be better than that of the data available by type of establishment or farm.

Construction is classified by type of activity, such as the construction of new highways and streets, rather than by the type of construction contractor, such as heavy construction

contractors who pave asphalt roads. Construction is classified by type of activity because the estimates rely heavily on the value-put-in-place statistics.

The real estate industry consists of all real estate rental receipts and all imputed rents for owner-occupied housing and for buildings and equipment owned and used by nonprofit institutions primarily serving households. Rental receipts are included in one industry because of the lack of data on rents received by individual industries. Imputed rents are included so the I-O accounts will be consistent with the NIPA's.

"Redefinitions" apply only to the industries in the supplementary make and use tables and requirements tables. As a result of these redefinitions, outputs and inputs related to the secondary activities of some industries are shifted to the industries in which they are primary activities. Only the secondary activities of industries for which the related inputs differ significantly from those required for the primary activities are redefined. For example, both the output and related inputs of full-service restaurants in hotels and motels have been moved from the "hotels and motels" industry (in which "lodging services" is the primary activity) to the "food services and drinking places" industry (in which "eating and drinking" is the primary activity) because the input structure of "food and beverages" differs significantly from that of "lodging services." As a result of this shift, the total outputs for the "food services and drinking places" industry and the "hotels and motels" industry in the supplementary make and use tables differ from those in the standard tables (appendix F). (However, total outputs for the I-O *commodities* are the same in the two sets of tables.)

The I-O commodity classification system. In this system, each commodity is assigned the code of the industry in which the commodity is the primary product. This code is then used to group the production of the commodity in the industry in which it is the primary product with its production in other industries in which it is a secondary product. In a few cases, the I-O system reclassifies NAICS-defined commodity groups, and a secondary product is created from a NAICS-defined primary product. The output of the NAICS-defined product is moved (reclassified) to the I-O-defined primary product group; therefore, the output represents the total output of the product, regardless of the classification of the establishments that produce it.

In NAICS, for example, the primary product of the newspaper publishers industry is defined as newspaper sales and newspaper advertising. In the I-O commodity system, the primary product of the newspaper publishers industry is newspaper sales. The advertising component is considered to be a secondary activity, so advertising receipts (output) are moved to the advertising commodity group. The total output for the I-O newspaper publishers *industry* remains unchanged, but the output of the newspaper *commodity* is reduced, and the output of the advertising *commodity* is increased.

Table B. NAICS and NAICS-Based I-O Classification System

NAICS sector	NAICS-based I-O sector	Description of the industry	Major differences in classification or treatment between the NAICS-based I-O sectors and the SIC-based I-O divisions	Output transfer value (Billions of dollars)
Agriculture, forestry, fishing and hunting (NAICS 11)	Agriculture, forestry, fishing and hunting ¹	Establishments engaged in growing crops, raising animals, and harvesting timber, fish and animals from farms, ranches, and natural habitats.	Logging moved from Manufacturing.	\$20 from Manufacturing
Mining (NAICS 21)	Mining	Establishments that extract naturally occurring mineral solids, liquid minerals, and gases.	None.	None
Utilities (NAICS 22)	Utilities	Establishments engaged in the provision of electric power, natural gas, steam supply, water supply, and sewage removal.	Utilities moved from Transportation, communications, and utilities (TCU).	\$288 from TCU
Construction (NAICS 23)	Construction ¹	Establishments engaged in the construction of buildings and other structures, heavy construction except buildings, additions, alterations, reconstruction, installation, and maintenance and repairs.	None.	None
Manufacturing (NAICS 31–33)	Manufacturing	Establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products.	Parts of retail bakeries, custom drapery and tailors moved from Retail trade. Parts of broadwoven fabric finishing mills moved from Wholesale trade. Tire retreading and dental labs moved from Services. Logging moved to Agriculture, and Publishing moved to Information.	\$3 from Retail trade, \$2 from Wholesale trade, \$4 from Services, \$20 to Agriculture, \$118 to Information
Wholesale trade (NAICS 42)	Wholesale trade	Establishments engaged in wholesaling merchandise, generally without transformation, and rendering services incidental to the sale of merchandise.	Selected establishments with retail trade characteristics, such as auto parts, farm supplies, and lumber yards moved to Retail trade. Parts of broadwoven fabric finishing Mills moved to Manufacturing.	Approximately \$70 to Retail trade, \$2 to Manufacturing
Retail trade (NAICS 44–45)	Retail trade	Establishments engaged in retailing merchandise, generally without transformation, and rendering services incidental to the sale of merchandise.	Selected establishments with retail trade characteristics moved from Wholesale trade. Parts of retail bakeries, custom drapery and tailors moved to Manufacturing.	Approximately \$70 from Wholesale trade, \$3 to Manufacturing
Transportation and warehousing (NAICS 48–49)	Transportation and warehousing, excluding postal service	Establishments providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to transportation.	New sector. Transportation and warehousing moved from Transportation, communications, and utilities (TCU).	\$520 from TCU
Information (NAICS 51)	Information	Establishments engaged in producing and distributing information and cultural products, providing the means to transmit or distribute these products and data, or communications services.	New sector. Includes publishing, communications, and various information-related industries (data processing, software publishing, and online information, etc.) moved from Manufacturing, TCU, and Services.	\$118 from Manufacturing, \$377 from TCU, \$173 from Services
Finance and insurance (NAICS 52)	Finance and insurance	Establishments engaged in financial transactions and in facilitating such transactions.	Holding companies moved to Management of companies and enterprises.	\$1,306 to Real Estate, \$10 to Management of companies and enterprises
Real estate and rental and leasing (NAICS 53)	Real estate and rental and leasing ¹	Establishments engaged in renting, leasing, or allowing the use of tangible or intangible assets, and related services.	Real estate moved from Finance, insurance, and real estate; Rental of equipment moved from Services.	\$1,306 from Finance, \$81 from Services
Professional, scientific, and technical services (NAICS 54)	Professional and technical services	Establishments engaged in professional, scientific, and technical activities for others.	New sector.	\$743
Management of companies and enterprises (NAICS 55)	Management of companies and enterprises	Auxiliaries that perform management services or act as holding companies for other establishments of the same company; other auxiliaries classified with industries performing similar activities rather than with industry served.	New sector. Holding companies and other management auxiliaries moved from the various industries they serve.	\$320 Total, \$10 from Finance
Administrative and support and waste management and remediation services (NAICS 56)	Administrative and waste services	Establishments engaged in support activities for daily operations of other organizations.	New sector. Waste management moved from TCU.	\$348 Total, \$42 from TCU
Educational services (NAICS 61)	Educational services	Establishments that provide instruction and training.	New sector.	\$112
Health care and social assistance (NAICS 62)	Health care and social assistance	Establishments that provide health care and social assistance for individuals.	New sector.	\$816
Arts, entertainment, and recreation (NAICS 71)	Arts, entertainment, and recreation	Establishments that operate facilities or provide services to meet varied cultural, entertainment, and recreational interests.	New sector.	\$127
Accommodation and food services (NAICS 72)	Accommodation and food services	Establishments that provide lodging and/or meals, snacks, and beverages for immediate consumption.	New sector.	\$413
Other services (except public administration) (NAICS 81)	Other services, except public administration	Establishments that provide services not specifically provided for elsewhere in the classification system.	New sector. Household industry moved from Special industries.	\$348 Total, \$12 from Special industries
Public administration (NAICS 92)	Government industries ²	Establishments of federal, state, and local government agencies that administer, oversee, and manage public programs.	None.	None
.....	Special industries ³	Special industries include noncomparable imports, scrap and used goods, rest of the world, and inventory valuation adjustment.	Household industry moved to Other services.	\$12 to Other services

1. The use of data that are classified by activity rather than by industry to derive estimates for the agriculture and construction industries, and the inclusion of all real estate rental receipts in the real estate industry regardless of the industry that receives them, reflect inconsistencies with the production-based orientation of NAICS.

2. The general government industry is defined by BEA as consisting solely of compensation, consumption of fixed

capital, own-account software, and own-account construction.

3. I-O special industries are incorporated to maintain consistency with economic concepts underlying the national income and product accounts.

Other Improvements to the 1997 Benchmark I-O Accounts

Additional changes in classification, methodology, and presentation were introduced in the 1997 benchmark I-O accounts. These changes, many of which are related to investment activities, include the following.

- **Featured I-O tables now have industry definitions that are more consistent with the GDP-by-industry accounts.** This change is part of BEA's effort to further integrate its economic accounts. In the GDP-by-industry accounts, new construction by industries of their own facilities is included in industry output but maintenance and repair construction by industries on their own facilities is not. In the featured I-O tables, these expenditures are treated the same way.
- **Improved treatment of software.** In the 1999 NIPA comprehensive revision, BEA introduced the treatment of software as investment; previously, expenditures on software were treated as intermediate purchases. In the 1997 benchmark I-O accounts, software is treated consistently as investment, and additional improvements are introduced, including the capitalization of software originals used for reproduction, the use of more detailed occupational data in estimating own-account software produced by industries, and a more direct calculation of the total costs of producing own-account software.
- **Interactive software tool.** A new tool is now available on BEA's Web site that enables users to interactively select and format data from the 1997 benchmark I-O accounts.
- **Other major improvements.** New definitions of output have been introduced for computer systems integrators as part of the industry "computer systems design services" and for the industry "natural gas distribution." The presentation of the requirements tables has been expanded to include an industry-by-industry total requirements table for estimating the linkages between industries from changes in final uses.

Changes related to investment

Own-account new construction. Own-account new construction, or "force-account" construction, refers to construction activities performed by businesses, government, or persons for themselves rather than purchased from construction businesses. In the 1997 benchmark I-O accounts, it is treated as being produced by the industries in which the own-account new construction occurs and then "purchased" in final uses.

In the 1997 standard make and use tables, own-account new construction, including output and all in-

puts, is now shown as a secondary product of the industry in which the activity occurs. Previously, own-account construction was reassigned to the new-construction industry and included as part of its primary production. For home-owners, own-account new construction is now shown in the owner-occupied dwellings industry. For government, it is now shown in the general government industry.

The change in treatment does not affect total gross output and total final uses. It facilitates comparisons of the data in the standard make and use tables with other industry data, such as industry series from the GDP-by-industry accounts.

In the supplementary make and use tables, the activities of own-account new construction are still shown as part of the new-construction industry, as they were in the 1992 benchmark I-O accounts. See the box "Treatment of Secondary Products."

Own-account maintenance and repair construction. In the standard and the supplementary make and use tables, own-account maintenance and repair construction is no longer treated as output. This change reduces total gross output, but it does not affect total final uses and total value added, the alternative measures of total economic activity. This change is intended to facilitate comparisons of data from the I-O accounts with other statistical data on industries. Previously, own-account maintenance and repair activities were treated as secondary products of the originating industries and included in the maintenance and repair construction industry.

Software. The capitalization of software has been introduced into the 1997 benchmark I-O accounts. Three types of software—prepackaged software, custom software, and own-account software—are now treated as investment. For previous benchmark I-O accounts estimates, only software that was bundled with, or embedded in, equipment by the producer of that equipment was included in investment.

BEA introduced the capitalization of software into the national income and product accounts during the 1999 comprehensive revision of those accounts.¹¹ In this benchmark, BEA has also made several measurement improvements discussed below.

Own-account software is now treated similarly to own-account new construction. It is shown as a secondary product of the originating industry in the standard make and use tables, and it is shown as part of the primary production of the software industry in the

11. For more information, see Robert P. Parker and Bruce T. Grimm, "Recognition of Business and Government Expenditures for Software as Investment: Methodology and Quantitative Impacts, 1959-98" (paper presented to BEA's Advisory Committee, Washington DC, May 5, 2000) at <www.bea.gov/bea/papers/software.pdf>.

Treatment of Secondary Products

For the purposes of data collection, an establishment or a business unit is assigned to an “industry” according to its output and production process. However, most establishments produce more than one product, so the establishment is categorized by its primary source of revenue or its *primary product*. The other products that the establishment produces are identified as *secondary products*. For example, a hotel may also provide restaurant services, but these services are not part of the hotel industry’s primary product of lodging, so they are treated as a secondary product of the hotel industry.

In BEA’s “standard” make and use tables, all of the products—primary and secondary—that are produced by an industry are assigned to that industry. As a result, the data in these tables are consistent with the industry-based data that are collected and reported by other statistical agencies.

In the “supplementary” make and use tables, some of the secondary products are reassigned to the industries in which these products are primary products. The data in these tables and in the total requirements tables that are derived from them are valuable for performing economic structural analysis, impact analysis, and other types of economic modeling.

In traditional I-O analysis, industries are required to have homogeneous production processes: Each industry produces only one commodity, and each commodity is produced by only one industry. Thus, secondary products present a special problem because they represent heterogeneity in an industry’s output. In order to transform the make and use tables into the required format, assumptions about the technology of producing secondary products are needed. The two most commonly used technology assumptions are the industry-technology assumption and the commodity-technology assumption.

BEA developed a two-step process to reassign the secondary products from the industry in which they were produced to the industries in which these products are primary products.¹ The first step is referred to as the “redefinition process.” In this step, it is assumed (1) that the input structure of a secondary product differs from the input structure of the primary product of the industry in which the secondary product was produced and (2)

that its input structure is similar to that of the primary product of the industry to which it is reassigned.²

As a result of the redefinition process, the total value of secondary products is decreased, and the total value of primary products is increased by the same amount. The following table summarizes the effects of this redefinition process on the detailed 1997 benchmark I-O make and use tables.

[Billions of dollars]

	Total output	Primary product output	Secondary product output
Standard make and use table.....	14,863	13,718	1,145
Supplementary make and use table.....	14,863	14,183	680
Difference	0	465	-465

The amount of the redefined secondary output was \$465 billion, or 3.1 percent of total output and more than two-fifths of total secondary output. For most industries, the output shown in the standard make and use tables will differ from that shown in the supplementary make and use tables. The following industries were affected the most by these redefinitions: \$62 billion of auto repair was moved, mainly from retail trade, to “automotive repair and maintenance, except car washes”; \$48 billion of food services was moved, mainly from hotels, retail trade, and service industries, to “food services and drinking places”; \$46 billion of retail margin, primarily from service industries to “retail trade”; and \$46 billion of own account software, from most industries to “custom computer programming services.”

In the second step, the remaining secondary products are reassigned so that each industry produces only its primary product. In this step, it is assumed that the input structure of each secondary product is similar to that of the primary product that the industry produces.³ This step is performed by the mathematical equations that are used to derive the three total requirements tables.⁴ This reassignment also affects a wide range of industries, including State and local government enterprises, manufacturing, “newspaper, book, and directory publishers,” “radio and television broadcasting,” and finance.

2. This step is based on the commodity-technology assumption, which assumes that each commodity has an input structure that is independent of the industry that produced it.

3. This step is based on the industry-technology assumption, which assumes that the input structure of all the commodities produced by an industry are the same.

4. For information about deriving the total requirements tables and traditional I-O tables, see *Handbook of Input-Output Table, Compilation and Analysis* (New York: United Nations, 1999).

1. See Jiemin Guo, Ann M. Lawson, and Mark A. Planting, “From Make-Use to Symmetric I-O Tables; An Assessment of Alternative Technology Assumptions” (paper presented at the 14th International Conference on Input-Output Techniques, Montreal, Canada, October 10–15, 2002, sponsored by the International Input-Output Association) for the detailed procedures and technology assumptions used for secondary products in the preparation of benchmark I-O tables.

supplementary make and use tables. The measurement of own-account software in the 1997 benchmark I-O accounts has been improved by (1) the capitalization of software originals used for reproduction; (2) the use of more detailed occupational data in estimating own-account software produced by industries; and (3) the introduction of a more direct calculation of the total costs of producing own-account software.¹²

Purchased software estimates have been changed to include improved estimates of intermediate consumption of software and an expanded definition of exports and imports of software. New sources, including information from annual reports filed by software producers with the Securities and Exchange Commission, and professional judgment were used to supplement economic census data on purchased software embedded in, or bundled with, other equipment.

The definition of exports and imports of software was expanded to more accurately reflect international trade in software. Estimates for exports and imports of royalties and license fees for the rights to distribute, use, and reproduce computer software and of "other" private services for computer and information processing services are now reflected in the capitalized software estimates.

Computer systems integrators. Computer systems integrators plan and design computer systems that integrate computer hardware, software, and communication technologies for their customers. In the 1997 benchmark I-O accounts, this industry is treated as providing design, installation, and other services, and the value of all computer hardware and purchased software is now excluded from the gross output of the industry. The hardware and software installed by the computer systems integrators are now shown as being sold directly by the "computer and peripheral equipment manufacturing" and the "software publishing" industries to business and government as investment. Most of the output of systems integrators is also capitalized for the first time, and the remainder goes to other businesses as intermediate purchases.

In the 1992 benchmark accounts, the values of computer hardware and software in integrated systems were recorded as intermediate purchases and included as part of the gross output of systems integrators. Only the portion of their sales representing computer hardware were capitalized as investment.

Private equipment and software categories. BEA has implemented three major changes to the categories

of private equipment and software. First, the category for instruments has been divided into a category "medical equipment and instruments" and a category "nonmedical instruments." Second, the category for trucks, buses, and truck trailers has been divided into "light trucks" and "other trucks, buses, and truck trailers." Third, the category for tractors has been dropped, and its components have been distributed to "agricultural machinery," "construction machinery," and "other nonresidential equipment."

Change in definition for natural gas distribution

A new measure of gross output for natural gas distribution is introduced. In the 1992 benchmark accounts, output for natural gas distribution implicitly included resales in industry's sales. An analysis of the industry indicated that much of the growth in output for the industry that was reported in the 1997 Economic Census was due to resales of natural gas within the industry. In the 1997 benchmark accounts, the gross output measure of natural gas distribution is net of an estimated value for these resales.

Changes in presentation

Three changes in presentation are introduced. First, the software tool available on BEA's Web site will allow users to interactively select and format data that they want to retrieve from the 1997 benchmark I-O accounts. Second, the standard make and use tables are now the featured I-O tables. Third, a new industry-by-industry total requirements table is added to the commodity-by-commodity total requirements table and the industry-by-commodity total requirements table that have been provided in the past. (See also the box "Data Availability" on page 38.)

Web-based tool for customizing tables. In response to requests from users, BEA's Web site now features an interactive software tool that enables users to interactively select and customize data from the I-O accounts. Using this software, users can easily select, preview, and download subsets of data at the detailed, summary, or sector levels and valued in producers' prices or purchasers' prices.¹³ Additional features include a search engine for finding a specified industry or commodity and a tool that can be used to transpose columns and rows of data.

12. See Bruce T. Grimm, Brent R. Moulton, and David B. Wasshausen, "Information Processing Equipment and Software in the National Accounts" (paper presented at the National Bureau of Economic Research, Conference on Research in Income and Wealth, Measuring Capital in the New Economy, Washington DC, April 26-27, 2002).

13. The producer's price is the amount receivable by the producer from the purchaser of a good or service produced as output. It includes sales and excise taxes collected and remitted by the producer, but it excludes wholesale and retail trade margins and transportation charges. The purchaser's price is the sum of the producer's price, transportation costs, and trade margins. The concepts of producer's price and purchaser's price used in the 1997 benchmark I-O accounts are similar to those used in the 1993 *System of National Accounts*.

Presentation of standard make and use tables. The standard make and use tables conform closely to the official classification system used by the statistical agencies that collect and report data. For the 1997 benchmark accounts, these tables are on a NAICS basis; for the 1992 benchmark accounts, they were on a SIC basis. The availability of these tables on a NAICS basis makes it easier for users to compare data from the I-O accounts with other industry-based data series, and it is an important step in moving towards greater consistency between the I-O accounts and the GDP-by-industry and gross state product accounts.

Industry-by-industry total requirements table. For the 1997 benchmark, BEA has prepared an industry-by-industry total requirements table in addition to its other total requirements tables. The new table can be used to analyze the linkages between industries that result from changes in final demand.

Compilation of the 1997 Benchmark I-O Accounts

An important feature of the accounting framework of the U.S. benchmark I-O tables, and of its underlying NAICS-based classification system, is its compatibility with basic accounting records. However, the source data reported by businesses and by other transactors in the economy must be transformed into a consistent, comprehensive set of I-O tables. In addition, because the available accounting records do not provide sufficient information for some parts of the accounts, BEA has to identify other data sources and estimating methods for the estimates.

BEA prepared the 1997 benchmark I-O accounts in seven steps:

(1) Developed a consistent classification framework that could be used for presenting the tables on a NAICS basis and for linking backwards with the aid of concordances to the source data that are still on an SIC basis or that use other classification systems,

(2) Estimated the output for each industry and commodity, which formed the basis for the I-O make table,

(3) Estimated the intermediate and value-added inputs required by each industry to produce its output,

(4) Estimated the domestic supply of each commodity—that is, the total value of goods and services available for consumption as intermediate inputs by industries or as final uses,

(5) Estimated the components of final uses for which more direct information was unavailable, using the commodity-flow method,

(6) Estimated wholesale and retail trade margins, transportation costs, and excise and sales taxes in order to convert all transactions by final and intermediate

users from the prices received by producers to the prices paid by purchasers,

(7) Balanced the tables by resolving the larger discrepancies in the I-O use table with further analysis and judgmental changes and then allocating the smaller discrepancies; any final residual was allocated to the “other value added” component of value added.

Development of a classification framework. The 1997 benchmark I-O tables are based on NAICS, but some of the source data used in their preparation were not available on that basis. Because the statistical agencies and other providers of the source data are converting from the SIC system to NAICS over several years, data from several sources had to be mapped from an SIC basis to a NAICS basis. In addition, commodities—whether produced by domestic industries or imported from other countries, whether transported by truck, rail, air, or water, and whether used as inputs by industries or as final uses—had to be classified consistently. Moreover, the classification system used for certain sets of data, such as the Harmonized System for foreign trade and the codes from the economic census for materials consumed by manufacturing and mining industries, typically reflect that system’s history and original purpose. Because of the massive changes in classification that were made in this benchmark, considerable effort was required to prepare concordances or mappings for the conversion of all of the data to a common basis. In addition, whenever possible, concordances between the codes used for the 1992 benchmark accounts and the new codes used for the 1997 benchmark accounts were prepared. These concordances document the changes and provide a limited guide for comparing the 1997 benchmark tables with the tables of previous benchmarks.

Estimation of industry and commodity outputs. First, BEA estimated output and then prepared the I-O make table, which shows the commodities produced by each industry and all the industries producing each commodity. The outputs of most commodities and industries were based on receipts and shipments data collected in the 1997 Economic Census by the Census Bureau or in the case of agriculture, by the U.S. Department of Agriculture. Table C provides a list of the sectors covered by the economic census and the other principal data sources used by BEA to estimate the outputs for commodities and industries.

The economic census covers most establishments, but it does not directly cover businesses without employees, such as real estate agents and independent “mom and pop” operations that are generally small. BEA prepared the estimates for these businesses using nonemployer data from the Census Bureau; these data are based on administrative records of the Internal

Text continues on page 32.

Table C. Principal Data Sources for Industry or Commodity Outputs, 1997 Benchmark I-O Accounts

Industry or commodity	Source
Natural resources and mining.....	U. S. Department of Agriculture, Forest Service and Economic Research Service National Oceanic and Atmospheric Administration, National Marine Fisheries Service, <i>Fisheries of the United States</i> Census Bureau, Statistics of United States Businesses Census Bureau, 1997 Economic Census, NAICS Sector 21, Mining U.S. Geological Survey, <i>Minerals Yearbook</i> and <i>Mineral Commodity Summaries</i>
Construction.....	Census Bureau, 1997 Economic Census, NAICS Sector 23, Construction Census Bureau, Value of Construction Put In Place Statistics
Manufacturing.....	Census Bureau, 1997 Economic Census, NAICS Sector 31–33, Manufacturing Census Bureau, 1998 Current Industrial Reports
Trade.....	Census Bureau, 1997 Economic Census, NAICS Sector 42, Wholesale Trade Census Bureau, 1997 Economic Census, NAICS Sector 44–45, Retail Trade Census Bureau, 1997 Annual Retail Trade Survey Census Bureau, 1997 Annual Trade Survey
Transportation and utilities	Census Bureau, 1997 Economic Census, NAICS Sector 48–49, Transportation and Warehousing U.S. Department of Transportation, <i>Air Carrier Financial Statistics Quarterly</i> U.S. Department of Transportation, Surface Transportation Board Association of American Railroads, <i>1998 Railroad Facts</i> Census Bureau, 1997 Economic Census, NAICS Sector 22, Utilities U.S. Department of Energy, Energy Information Administration
Information.....	Census Bureau, 1997 Economic Census, NAICS Sector 51, Information Census Bureau, 1997 Service Annual Survey
Financial activities	Census Bureau, 1997 Economic Census, NAICS Sector 52, Finance and Insurance Census Bureau, 1997 Economic Census, NAICS Sector 53, Real Estate and Rental and Leasing Federal Deposit Insurance Corporation, <i>1997 Statistics on Banking</i> Federal Reserve Board, <i>1997 Annual Report</i> National Credit Union Administration, <i>1997 Yearend Statistics for Federally Insured Credit Unions</i> Internal Revenue Service, <i>Statistics of Income, Corporation Source Book, 1997</i> New York Stock Exchange, <i>1998 Annual Report</i> Securities and Exchange Commission, <i>1997 FOCUS Report</i> and <i>1997 Annual Report</i> Health Care Financing Administration 1997 Private Health Insurance Data A. M. Best and Company, <i>Best's 1997 Aggregate and Averages Property/Casualty Insurance</i> Mortgage Insurance Companies of America, <i>2001–2002 Factbook</i> U.S. Department of Labor, Pension Welfare Benefits Administration, <i>1997 Income Statement of Pension Plans with 100 or More Participants</i> American Council of Life Insurers, <i>1997 Life Insurance Fact Book</i> Bureau of Economic Analysis, National Income and Product Accounts
Professional and business services	Census Bureau, 1997 Economic Census, NAICS Sector 54, Professional, Scientific, and Technical Services Census Bureau, 1997 Economic Census, NAICS Sector 55, Management of Companies and Enterprises Census Bureau, 1997 Economic Census, NAICS Sector 56, Administrative and Support Services and Waste Management and Remediation Services Census Bureau, 1997 Service Annual Survey
Education and health services.....	U.S. Department of Education, National Center for Education Statistics, <i>2000 Digest of Education Statistics</i> Census Bureau, 1997 Economic Census, NAICS Sector 61, Educational Services Census Bureau, 1997 Economic Census, NAICS Sector 62, Health Care and Social Assistance Census Bureau, 1997 Service Annual Survey
Leisure and hospitality	Census Bureau, 1997 Economic Census, NAICS Sector 71, Arts, Entertainment, and Recreation Census Bureau, 1997 Economic Census, NAICS Sector 72, Accommodation and Food Services Census Bureau, 1997 Service Annual Survey
Other services	Census Bureau, 1997 Economic Census, NAICS Sector 81, Other Services (except Public Administration) Bureau of Economic Analysis, National Income and Product Accounts Census Bureau, 1997 Service Annual Survey
Government industries	Census Bureau, 1997 Census of Governments Census Bureau, 1997–98 Government Finances Census Bureau, 1996–98 Public Employment Census Bureau, 1997 Monthly Construction Statistics Federal Budget Data and Federal Government Agency Reports Center for Medicare and Medicaid Services Bureau of Economic Analysis, National Income and Product Accounts
Noncomparable imports.....	Bureau of Economic Analysis, Balance of Payments Accounts
Scrap.....	Census Bureau, 1997 Economic Census, NAICS Sector 31–33, Manufacturing
Inventory valuation adjustment ...	Bureau of Economic Analysis, National Income and Product Accounts Census Bureau, 1997 Economic Census

Table D. Principal Data Sources and Methods for Estimating Intermediate Inputs and Value Added, 1997 Benchmark I-O Accounts

Input component	Source data and methods used
Intermediate inputs.....	<p>Natural Resources Inputs to the agriculture, forestry, fishing and hunting industries were estimated from U.S. Department of Agriculture data or 1997 Economic Census data or by extrapolating the 1992 benchmark I-O estimates by the change in industry output from 1992 to 1997. These estimates were then adjusted during the process of balancing commodities to equal commodity output totals.</p> <p>Mining Inputs to the mining industries were estimated primarily from 1997 Economic Census data on selected materials and supplies, fuels consumed, electricity usage, and communication services purchased. The remaining inputs were estimated by extrapolating the 1992 benchmark I-O estimates by the change in industry output from 1992 to 1997. These estimates were then adjusted during the process of balancing commodities to equal commodity output totals.</p> <p>Construction Inputs to the construction industries were estimated primarily from 1997 Economic Census data. These estimates were then adjusted during the process of balancing commodities to equal commodity output totals.</p> <p>Manufacturing Inputs to the manufacturing industries were estimated primarily from 1997 Economic Census data on materials and supplies, fuels consumed, electricity usage, and communication services purchased. In addition, some of the purchased services were estimated from the census surveys conducted in conjunction with the 1997 Economic Census for manufacturing. The remaining inputs were estimated by extrapolating the 1992 benchmark I-O estimates by the change in industry output from 1992 to 1997. These estimates were then adjusted during the process of balancing commodities to equal commodity output totals.</p> <p>Services, trade, transportation and warehousing, and utilities For census-covered industries, information from the 1997 Business Expenditures Survey (BES) on operating expenses was used, including accounting services; advertising services; contract labor costs; data processing and other computer-related services; depreciation; lease and rental payments; legal services; office supplies; repair and maintenance expenses; tax and license fees; and cost of utilities.¹ These estimates were then adjusted during the process of balancing commodities to equal commodity output totals.</p> <p>For noncensus-covered industries, inputs were estimated either from trade associations data or by extrapolating the 1992 benchmark I-O estimates by the change in industry output from 1992 to 1997. These estimates were then adjusted during the process of balancing commodities to equal commodity output totals.</p>
Value added: Compensation of employees	<p>For census-covered industries, payroll data from the 1997 Economic Census were used; data were adjusted for misreporting and I-O industry definitions. Benefits data for manufacturing and mining were from the 1997 Economic Census. Benefits data for industries covered by the BES were based on the relationship between the BES benefits and payroll data applied to the 1997 Economic Census payroll data. For the remaining industries, benefits were estimated using indirect techniques.</p> <p>For noncensus-covered industries, tabulations of wages and salaries covered by State unemployment insurance and estimates of benefits from the national income and product accounts were used; data were adjusted for misreporting and I-O industry definitions.</p> <p>All estimates were adjusted to balance to total compensation in the national income and product accounts.</p>
Indirect business tax and nontax liability.....	<p>The estimates by industry were prepared in two parts: For excise and general sales taxes, the values were estimated as part of each industry's output; for other indirect business taxes, such as property taxes, and nontax liabilities, such as fees, estimates were distributed on the basis of a variety of source data, including State government tax collections statistics and the BES. For all other tax and nontax liability, estimates were distributed to industries using indirect techniques.</p> <p>All estimates were adjusted to balance to total indirect business tax and nontax liability in the national income and product accounts.</p>
Other value added.....	<p>For most industries, the residual method (total industry output less total intermediate inputs, compensation of employees, and indirect business tax and nontax liability) was used.</p>

1. These industries include information; professional, scientific and technical services; administrative and support services; vocational educational services; health care and social assistance; arts, entertainment, and recreation; accommodation and food services; other services; retail trade; and wholesale trade.
I-O Input-output

Revenue Service (IRS), primarily from sole proprietorship businesses filing IRS Form 1040, Schedule C. BEA adjusted the IRS data to account for late filers and non-filers and for filers who have misreported receipts.

The following industries are among those not covered by the economic census: Large certificated passenger air transportation and rail transportation in the sector “transportation and warehousing”; veterinary services in “professional and technical services”; landscaping services in “administrative and waste services”; private elementary and secondary schools and private colleges and universities in “educational services”; and religious organizations, labor unions, political organizations, and private households that employ workers for the operation of the household in “other services.” For these industries, BEA used data from other sources—such as the U.S. Department of Agriculture, U.S. Department of Transportation, U.S. Department of Treasury, Office of Management and Budget, other Government agencies, and private organizations—many of which are identified in table C.

The estimates of output for some industries and commodities are based on imputations. Examples include own-account software, the rental value of owner-occupied housing, and financial services provided without direct charges by financial institutions.

Estimation of industry intermediate and value-added inputs. As shown in table D, most of the detailed data available to estimate commodity inputs were also from the 1997 Economic Census. When only aggregate data for expenses were available, BEA combined that information (for example, purchases of fuel by manufacturing industries) with information on purchases of individual commodities (for example, purchases of petroleum products, natural gas, and coal in purchased fuels) to estimate the purchases of specific commodities by an industry (for example, purchases of natural gas by a manufacturing industry).

BEA also estimated intermediate inputs for which no direct information was available. For example, detailed economic census data are available for the materials and supplies used by manufacturing industries, but the data only covered part of their purchased services. The estimates of the remaining inputs were extrapolated from the 1992 benchmark estimates by the change in industry output from 1992 to 1997.

In the I-O accounts, value added consists of three components—compensation of employees, indirect business tax and nontax liability, and “other value added.” The first two components were estimated from a variety of data sources (the principal ones are shown in table D). Total compensation of employees from the NIPA’s was allocated to industries on the basis of economic census data. Total indirect business tax and

nontax liability from the NIPA’s was allocated to industries in two parts. For general sales and excise taxes, the values were incorporated as part of each industry’s output on the basis of information from census annual surveys for sales taxes and from the GDP-by-industry accounts for excise taxes; for other indirect business taxes, such as property taxes, estimates were allocated on the basis of a variety of source data, including State government tax collections and highway statistics. Depreciation, a part of “other value added,” was estimated for auxiliaries and government industries. (“Other value added” for other industries is derived as a residual by subtracting total intermediate inputs, compensation of employees, and indirect business tax and nontax liability from total industry output in the final step of balancing the table.)

Estimation of domestic supply. The domestic supply of each commodity is the total value of goods and services available for consumption as intermediate inputs by industries or as personal consumption expenditures (PCE), private fixed investment, and government consumption and gross investment expenditures. It was calculated as domestic commodity output plus government sales and imports less exports and change in private inventories. Government sales, such as sales of school lunches, were based on data from the NIPA’s. Exports and imports were based on foreign trade statistics from the Census Bureau and on data from BEA’s international transactions accounts. Because domestic supply is measured in producers’ prices, transportation costs and wholesale trade margins were subtracted from exports before the final calculation. BEA estimated the 1997 change in private inventories by commodity on the basis of economic census data and of information on corporate inventories by industry from the IRS.

Estimation of other final uses. The estimates of final uses of the Federal Government and of State and local government were based on the estimates of total consumption and investment expenditures by type of purchase from the NIPA’s. These estimates were then allocated to I-O commodities based on professional judgment and on information from the 1997 Census of Governments, Federal budget data, and government agency reports.

The estimates of many commodities in PCE and in private equipment and software were prepared using the commodity-flow method. In this method, government expenditures for, and intermediate purchases by businesses of, a commodity are subtracted from its domestic supply in order to obtain a residual that reflects purchases by persons for consumption or by businesses for investment. For example, using this method, purchases of cereal for PCE were estimated as a 100-

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percent residual.

The estimates of the other commodities used a variation of the commodity-flow method in which a percentage of domestic supply was allocated to PCE or to private equipment and software expenditures. Many of these percentages were based on class-of-customer data from the 1997 Economic Census or from information developed from alternative sources, such as trade associations, private businesses, and other government agencies. For example, using class-of-customer data from the economic census, purchases of tax return preparation services for PCE were estimated as 91 percent of domestic supply.

The estimates of residential and nonresidential structures in gross private fixed investment were generally based on information from the NIPA's and from the Census Bureau's data on value of construction put in place. Estimates of oil and gas well drilling and new access structures for solid mineral development and of manufactured mobile structures were based on 1997 Economic Census data.¹⁴

Estimation of trade margins, transportation costs, and excise and sales taxes. To estimate the cost of transporting commodities from producers to users, BEA first estimated all transportation services bought and sold in the economy by mode—that is, by rail, truck, water, air, and pipeline. Total transportation receipts for each mode were then separated into receipts from travel by persons, such as household consumers' purchases of airline services for vacation travel, and receipts from the transport of goods, such as mining operators' shipping coal by rail. The receipts for moving goods were allocated to commodities by mode: For rail, the allocation was based on information from the American Association of Railroads; for air, from the U.S. Department of Transportation; and for all other modes, from the Census Bureau's 1997 Commodity Flow Survey. For transportation margins on pipeline transmissions, BEA used data directly from the 1997 Economic Census.

The estimates of wholesale and retail trade margins were based on output data from the 1997 Economic Census, supplemented by information from the 1997 Annual Trade Survey and the 1997 Annual Retail Trade Survey. Margin output was then allocated to commodities, using information on sales for major commodity lines by type of business (for example, sales of kitchen appliances by household appliance stores) also from the economic census.

The estimates of sales and excise taxes were based on

14. Because of NAICS, estimates of oil and gas well drilling and new access structures for solid mineral development are now shown in mining (NAICS 213, Support activities for mining).

information from the Census Bureau's annual trade surveys and from the NIPA's.

Final balancing of the tables. The final step was to resolve any discrepancies that caused inequalities between the domestic supply of a commodity and its disposition to intermediate and final users. These discrepancies occur for many reasons, including misreporting and misclassification of data from sources; improper valuation and timing of production, exports and imports, and other final uses; and inconsistencies and gaps in the source data. In this step, BEA analyzed the sources of the larger discrepancies to determine possible solutions. The remaining smaller discrepancies were then allocated to likely users based on information from the 1992 benchmark I-O accounts. The remaining imbalances in the table were allocated to "other value added" of industries.

Technical Note: The 1997 Benchmark Input-Output Accounts Tables

The 1997 benchmark input-output (I-O) accounts are presented in the standard make and use tables and several supplementary tables.¹⁵ The supplementary tables consist of make and use tables that are based on the standard tables, four requirements tables, and bridge tables.¹⁶

Standard tables

The standard make and use tables are based on the North American Industry Classification System (NAICS). They are constructed before the redefinitions of selected secondary products (see the box "Treatment of Secondary Products" on page 27). These standard tables provide data in a way that is consistent with the GDP-by-industry accounts and the gross state product accounts and with other industry data that are based on information collected on the NAICS basis.

Table 1, the standard make table. The standard make table is a matrix that shows the value in producers' prices of each commodity produced by each industry (see the schematic in the upper panel of chart 2 and with estimates in table E). In the matrix, commodities are presented in the columns, and industries are presented in the rows. The entries in a row represent the dollar value of commodities produced by the industry at the beginning of the row. The entries in a column represent the value of the production by each industry

15. In the 1992 I-O accounts, these make and use tables were referred to as "alternative" tables.

16. In the 1992 I-O accounts, these make and use tables and the requirements tables were referred to as "traditional" tables, and the bridge tables were referred to as "supplementary" tables.

of the commodity at the top of the column.

The diagonal cell in each row (a shaded cell in chart 2) shows the value of production of the commodity for which the industry has been designated the “primary” producer. Any entries in the other cells in the row show the value of production of commodities for which other industries are the primary producers (and for which the given industry is a “secondary” producer).

The row total in the make table is total industry output, and the column total is total commodity output. As indicated by the shading in chart 2, the row totals of the make table equal the column totals of the use table, and the column totals of the make table equal the row totals of the use table.

Table 2, the standard use table. The standard use table is a matrix that shows the commodities consumed, or used, by each industry and final consumer (see the schematic in the lower panel of chart 2 and with estimates in table F). The entries in a row represent the dollar value of the use by each industry of the commodity named at the beginning of the row and of the sales of the commodity to final uses. The industry uses add up to total intermediate use (the far right column of the industries’ portion in chart 2). The final uses sum to GDP (the far right column of the final uses’ portion in chart 2). The entries in a column represent the value of the commodities—that is, of raw materials, semifinished products, and services—used and the value added that is generated in production by the industry at the top of the column. The row total (total commodity output) is the production of the commodity (no matter which industry contributed to that production), and the column total (total industry output) is the production of the industry (no matter what commodity was produced).

Supplementary tables

The supplementary make and use tables are based on the standard make and use tables. The estimates in the supplementary make and use tables are used to calculate four requirements tables—commodity-by-industry direct requirements, commodity-by-commodity total requirements, industry-by-commodity total requirements, and industry-by-industry total requirements—that quantify the direct and indirect effects of changes in final demand on the economy (see the box “Treatment of Secondary Products”). These requirements tables are an important analytical tool because they show the interdependence among the producers and consumers in the economy. Using these tables, analysts can estimate the direct and indirect effects of changes in final uses on industries and commodities. For example, these tables can be used to determine the economic impact of a disaster or to compute the effect on output of a shift in demand from domestic to imported goods.

Three additional supplementary tables serve as bridges between the I-O estimates and estimates in the national income and product accounts (NIPAs).

Tables 3 and 4, the supplementary make and use tables. Except for the treatment of redefinitions of selected secondary products produced by industries, these make and use tables are in the same format as the standard make and use tables.

Table 5, the commodity-by-industry direct requirements table. This table is derived from the use table by relating commodity input for an industry to the industry’s output. The values in this table, referred to as the “direct requirements coefficients,” show the amount of a commodity required by the industry to produce a dollar of the industry’s output.

Table E. The Make of Commodities by Industries Before Redefinitions, 1997

[Millions of dollars at producers’ prices]

	Natural resources and mining	Construction	Manufacturing products	Trade	Transportation and utilities	Information	Financial services ¹	Professional and business services	Education and health services	Leisure and hospitality	Other services	Other ²	Total industry output
Natural resources and mining	442,750	174	10,108	750	.....	.....	.....	261	.....	1,149	.....	.....	455,192
Construction .....	.....	670,210	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	670,210
Manufacturing	727	1,258	3,703,275	39,461	259	717	19	34,989	.....	.....	309	3,669	3,784,683
Trade	556	1,649	15,239	1,411,429	5,050	.....	16,402	8,987	318	12,186	100,982	.....	1,572,798
Transportation and utilities	381	19,745	.....	514	784,540	.....	267	1,514	31	2	256	729	807,978
Information .....	.....	4,997	1,251	5,437	.....	553,169	2,355	98,465	1,163	25	1,704	.....	668,566
Financial activities ¹ .....	.....	47,108	.....	2,140	20	303	2,460,726	7,122	.....	270	831	.....	2,518,520
Professional and business services	410	275	.....	7,044	.....	4,696	119	1,391,803	716	.....	3,405	1,721	1,410,188
Education and health services .....	.....	706	.....	6,036	.....	.....	566	2,805	908,029	8,881	88	.....	927,111
Leisure and hospitality .....	.....	1,421	.....	4,968	.....	.....	1,880	1,938	486	529,460	341	100	540,593
Other services .....	.....	344	.....	4,965	.....	.....	284	623	11	2,449	339,146	.....	347,822
Other ² .....	.....	6,206	55	3,587	75,095	97	13,388	7,010	.....	2,306	1,193	1,050,280	1,159,216
Total commodity output.....	444,824	754,091	3,729,928	1,486,331	864,964	558,982	2,496,006	1,555,515	910,754	556,728	448,255	1,056,499	14,862,876

1. Financial activities include both finance and insurance (NAICS 52) and real estate and rental and leasing (NAICS 53).

2. “Other” includes government industries and other I-O special industries; for more information see “Appendix A. Industries in the 1997 Benchmark Input-Output Accounts.”

CHART 2

The Input-Output Accounts

MAKE TABLE: INDUSTRIES PRODUCING COMMODITIES

	COMMODITIES ¹										TOTAL INDUSTRY OUTPUT	
	Natural resources and mining	Construction	Manufactured products	Trade	Transportation and utilities	Information	Financial services ²	Professional and business services	Education and health services	Leisure and hospitality		Other services	Other^{3}
Natural resources and mining												
Construction												
Manufacturing												
Trade												
Transportation and utilities												
Information												
Financial activities ²												
Professional and business services												
Education and health services												
Leisure and hospitality												
Other services												
Other ³												
TOTAL COMMODITY OUTPUT												

USE TABLE: COMMODITIES USED BY INDUSTRIES AND FINAL USES

	INDUSTRIES ¹												TOTAL COMMODITY OUTPUT											
	Natural resources and mining	Construction	Manufacturing	Trade	Transportation and utilities	Information	Financial activities ²	Professional and business services	Education and health services	Leisure and hospitality	Other services	Other ³		Total intermediate use	Personal consumption expenditures	Private fixed investment	Change in business inventories	Exports of goods and services	Imports of goods and services	Government consumption expenditures and investment	GP			
Natural resources and mining																								
Construction																								
Manufactured products																								
Trade																								
Transportation and utilities																								
Information																								
Financial services ²																								
Professional and business services																								
Education and health services																								
Leisure and hospitality																								
Other services																								
Other ³																								
Nonresponsible imports																								
Total intermediate inputs																								
Compensation of employees																								
Indirect business tax and nontax liability																								
Other value added ⁴																								
TOTAL																								

TOTAL COMMODITY OUTPUT
 TOTAL INDUSTRY OUTPUT
 PRIMARY PRODUCT OF THE INDUSTRY

1. The 1997 benchmark input-output (I-O) accounts use two classification systems, one for industries and another for commodities, but both generally use the same I-O numbers and titles based on NAICS.
 2. Financial activities include both finance and insurance (NAICS 52) and real estate and rental and leasing (NAICS 53).
 3. "Other" includes government industries and other I-O special industries; for more information see "Appendix A. Industries in the 1997 Benchmark Input-Output Accounts."
 4. "Other value added" consists of the following national income and product accounts components of gross domestic income: Consumption of fixed capital, net interest, proprietors' income, corporate profits, rental income of persons, business transfer payments, and subsidies less current surplus of government enterprises. In the I-O accounts, it is calculated as a residual after subtracting intermediate inputs, compensation of employees, and indirect business tax and nontax liability from industry output.

Table 6, the commodity-by-commodity total requirements table. This table is derived from both the make and use tables. The values in this table, referred to as "commodity-by-commodity total requirements coefficients," show the production required both directly and indirectly of the commodity at the beginning of each row per dollar of delivery to final use of the commodity at the top of the column.

Table 7, the industry-by-commodity total requirements table. This table is derived from both the make and use tables. The values in this table, referred to as "industry-by-commodity total requirements coefficients," show the production required directly and in-

directly from the industry at the beginning of the row per dollar of delivery to final use of the commodity at the top of the column.

Table 8, the industry-by-industry total requirements table. This table is also derived from both the make and use tables. The values in this table, referred to as "industry-by-industry total requirements coefficients," show the production required directly and indirectly from the industry at the beginning of the row per dollar of delivery to final use by the industry at the top of the column.

Bridge tables. The first bridge table (appendix C) covers the I-O commodity composition of NIPA

Table F. The Use of Commodities by Industries Before Redefinitions, 1997

[Millions of dollars]

	Industries												Total intermediate use
	Natural resources and mining	Construction	Manufacturing	Trade	Transportation and utilities	Information	Financial activities ¹	Professional and business services	Education and health services	Leisure and hospitality	Other services	Other ²	
Natural resources and mining	94,784	5,402	262,854	2,730	53,800	9	2,301	3,476	605	7,933	211	4,095	438,202
Construction.....	1,151	832	7,499	5,971	5,787	2,043	22,330	5,481	6,509	3,857	2,619	7,820	71,898
Manufacturing products.....	69,081	178,903	1,362,660	97,446	72,469	52,744	68,936	54,741	87,245	86,248	46,101	24,310	2,200,884
Trade	14,103	58,883	215,781	36,680	18,893	8,352	17,321	14,487	15,084	17,573	9,902	4,383	431,440
Transportation and utilities.....	18,673	17,173	164,491	54,278	89,154	9,292	45,053	26,041	17,983	17,907	8,318	13,188	481,548
Information	1,087	6,052	28,453	22,111	9,061	108,291	18,425	35,858	15,977	7,514	6,864	1,553	261,246
Financial services ¹	49,530	28,573	107,003	112,879	42,852	28,509	408,245	75,598	87,665	40,686	29,483	7,667	1,018,688
Professional and business services.....	22,031	61,055	274,766	228,775	70,240	60,772	161,217	161,874	84,684	33,343	27,215	17,358	1,203,329
Education and health services.....	64	78	1,561	1,139	1,246	738	521	1,116	7,519	418	433	77	14,910
Leisure and hospitality.....	2,178	1,663	18,263	10,969	10,150	8,309	15,259	15,019	13,742	15,261	2,616	800	114,229
Other services	3,121	9,165	46,377	14,890	8,549	8,303	15,201	15,284	7,042	5,228	3,988	1,405	138,552
Other ²	163	1,147	23,675	10,672	2,484	3,775	7,772	9,151	10,446	2,553	3,761	2,020	77,619
Noncomparable imports.....	843	413	17,494	6,144	13,388	10,775	10,408	3,772	92	195	126	1,038	64,686
Total intermediate inputs.....	276,810	369,337	2,530,876	604,683	398,073	301,912	792,989	421,899	354,591	238,715	141,635	85,713	6,517,231
Total value added	178,382	300,873	1,253,807	968,115	409,905	368,654	1,725,530	988,289	572,520	301,878	206,188	1,073,504	3,043,276
Compensation of employees.....	54,815	254,706	722,386	546,034	205,877	158,127	375,297	666,986	470,539	181,041	134,613	885,726	4,656,147
Indirect business tax and nontax liability.....	17,413	6,347	44,919	231,876	41,713	33,742	206,803	18,290	4,866	31,826	7,373	1,055	646,223
Other value added ³	106,154	39,820	486,502	190,206	162,316	174,784	1,143,430	303,014	97,115	89,010	64,202	186,723	3,043,276
Total industry output	455,192	670,210	3,784,683	1,572,798	807,978	668,566	2,518,520	1,410,188	927,111	540,593	347,822	1,159,216	

Table F. The Use of Commodities by Industries Before Redefinitions, 1997—Continued

[Millions of dollars]

	Final uses (GDP)						GDP	Total commodity output
	Personal consumption expenditures	Private fixed investment	Change in private inventories	Exports of goods and services	Imports of goods and services	Government consumption expenditures and gross investment		
Natural resources and mining	36,228	22,536	4,310	32,048	-87,339	-1,161	6,622	444,824
Construction.....	.....	506,254	.....	96	.....	175,843	682,193	754,091
Manufacturing products.....	986,867	554,541	38,449	515,686	-765,454	198,956	1,529,045	3,729,928
Trade	840,362	107,026	5,338	61,686	19,617	20,862	1,054,891	1,486,331
Transportation and utilities.....	272,621	10,418	1,253	61,507	-13,280	50,896	383,415	864,964
Information	207,394	37,268	1,033	20,420	-2,838	34,460	297,736	558,982
Financial services ¹	1,336,539	43,539	.....	64,795	-6,129	38,575	1,477,319	2,496,006
Professional and business services.....	117,120	88,321	.....	41,819	-5,952	110,879	352,186	1,555,515
Education and health services.....	1,005,484	.....	.....	471	-575	-109,536	895,844	910,754
Leisure and hospitality.....	447,255	.....	.....	558	-260	-5,054	442,498	556,728
Other services	294,846	.....	21	136	-1,186	15,886	309,703	448,255
Other ²	-18,392	-50,991	11,762	99,363	-5,836	942,974	978,880	1,056,499
Noncomparable imports.....	45,260	998	.....	.....	-120,514	9,570	-64,686	.....
Total	5,571,584	1,319,909	62,166	898,585	-989,747	1,483,149	8,345,646	14,862,876

1. Financial activities include both finance and insurance (NAICS 52) and real estate and rental leasing (NAICS 53).

2. "Other" includes government industries and other I-O special industries; for more information see Appendix A, Industries in the 1997 Benchmark Input-Output Accounts."

3. "Other value added" consisted of the following national income and product accounts components of

gross domestic income: Consumption of fixed capital, net interest, proprietors' income, corporate profits, rental income of persons, business transfer payments, and subsidies less current surplus of government enterprises; in the I-O accounts, it is calculated as a residual after subtracting intermediate inputs, compensation of employees, and indirect business tax and nontax liability from industry output.

personal consumption expenditures. The second table (appendix D) covers the I-O commodity composition of NIPA private equipment and software expenditures. The third table (appendix E) reconciles the I-O estimates of exports and imports with those in the NIPAs.

The commodity composition tables are necessary because the valuations and definitions used in the I-O accounts differ from those used in the NIPAs. In the I-O accounts, the final use categories are expressed in producers' prices; in the NIPAs, final demand categories are expressed in purchasers' prices. In addition, the definitions of the export and import components of I-O final use categories differ from those of the NIPA final demand categories. Before the I-O total requirements tables can be used to measure and analyze the changes in commodity or industry output require-

ments that result from changes in the level or composition of NIPA final demand, the NIPA final demand categories must be converted to the I-O final use categories; that is, the analysis should be consistent with I-O final use commodities that are valued at producers' prices for the I-O year and include separate entries for transportation costs and trade margins.

Some adjustments are necessary in order to reconcile the I-O estimates of exports and imports of goods and services with those in the NIPAs. In the NIPAs—unlike the I-O accounts—imports include the U.S. merchandise that is returned to the United States from other countries, and exports include the foreign merchandise that is reexported from the United States to other countries. The same adjustments are made for both exports and imports, so total GDP is not affected.

Data Availability

The estimates from the 1997 benchmark input-output (I-O) accounts at the summary level (134 commodities and 131 industries) and at the detailed level (483 commodities and 491 industries), including a discussion of the matrix algebra underlying the derivation of the tables, are available on BEA's Web site. Go to <www.bea.gov>, click on "Industry: GDP by industry and input-output data," and look under "Input-Output data" to access the data interactively or in a published format.

The estimates are also available on the following diskettes:

- The summary estimates for the standard make and use tables and for the supplementary make, use, and requirements tables, product number NDN-0305, one diskette for \$20
- The estimates for the standard make and use tables at the detailed level, product number NDN-0306, two diskettes for \$40
- The estimates for the supplementary make, use, and

direct requirements tables at the detailed level, product number NDN-0307, three diskettes for \$60

- The estimates for the supplementary industry-by-commodity total requirements table at the detailed level, product number NDN-0308, one diskette for \$20
 - The estimates for the supplementary commodity-by-commodity total requirements table at the detailed level, product number NDN-0309, one diskette for \$20
 - The estimates for the supplementary industry-by-industry total requirements table at the detailed level, product number NDN-0310, one diskette for \$20
 - The estimates of the I-O commodity composition of national income and product account personal consumption expenditures and private equipment and software expenditures at the summary and detailed levels, product number NDN-0311, one diskette for \$20
- To order, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call 202-606-9666).

Appendixes A–F and tables 1 and 2 follow.

Appendix A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
32121B Engineered wood member and truss manufacturing.....	321213-4	326192 Resilient floor covering manufacturing	326192
321219 Reconstituted wood product manufacturing	321219	32619A Plastics plumbing fixtures and all other plastics products	326191, 326199
321911 Wood windows and door manufacturing	321911	326210 Tire manufacturing	32621
321912 Cut stock, resawing lumber, and planing	321912	326220 Rubber and plastics hose and belting manufacturing	32622
321918 Other millwork, including flooring.....	321918	326290 Other rubber product manufacturing	32629
321920 Wood container and pallet manufacturing.....	32192		
321991 Manufactured home, mobile home, manufacturing	321991	3270 Nonmetallic mineral product manufacturing	
321992 Prefabricated wood building manufacturing	321992	327111 Vitreous china plumbing fixture manufacturing	327111
321999 Miscellaneous wood product manufacturing	321999	327112 Vitreous china and earthenware articles manufacturing.....	327112
3221 Pulp, paper, and paperboard mills		327113 Porcelain electrical supply manufacturing.....	327113
322110 Pulp mills.....	32211	327121 Brick and structural clay tile manufacturing	327121
3221A0 Paper and paperboard mills	32212, 32213	327122 Ceramic wall and floor tile manufacturing.....	327122
3222 Converted paper product manufacturing		32712A Clay refractory and other structural clay products	327123-4
322210 Paperboard container manufacturing.....	32221	327125 Nonclay refractory manufacturing.....	327125
32222A Coated and laminated paper and packaging materials	322221-2	327213 Glass container manufacturing	327213
32222B Coated and uncoated paper bag manufacturing	322223-4	32721A Glass and glass products, except glass containers.....	327211-2, 327215
322226 Flexible packaging foil manufacturing	322225	327310 Cement manufacturing.....	32731
322226 Surface-coated paperboard manufacturing	322226	327320 Ready-mix concrete manufacturing	32732
322231 Die-cut paper office supplies manufacturing.....	322231	327331 Concrete block and brick manufacturing.....	327331
322232 Envelope manufacturing	322232	327332 Concrete pipe manufacturing	327332
322233 Stationery and related product manufacturing.....	322233	327390 Other concrete product manufacturing	32739
322291 Sanitary paper product manufacturing.....	322291	327410 Lime manufacturing	32741
322299 All other converted paper product manufacturing.....	322299	327420 Gypsum product manufacturing	32742
3230 Printing and related support activities		327910 Abrasive product manufacturing	32791
32311A Commercial printing.....	323110-5, 323119	327991 Cut stone and stone product manufacturing.....	327991
323116 Manifold business forms printing	323116	327992 Ground or treated minerals and earths manufacturing.....	327992
323117 Books printing.....	323117	327993 Mineral wool manufacturing	327993
323118 Blankbook and looseleaf binder manufacturing	323118	327999 Miscellaneous nonmetallic mineral products	327999
323121 Tradebinding and related work.....	323121	331A Iron and steel mills and manufacturing from purchased steel	
323122 Prepress services.....	323122	331111 Iron and steel mills	331111
3240 Petroleum and coal products manufacturing		331112 Ferroalloy and related product manufacturing	331112
324110 Petroleum refineries.....	32411	331210 Iron, steel pipe and tube from purchased steel	33121
324121 Asphalt paving mixture and block manufacturing	324121	331221 Rolled steel shape manufacturing	331221
324122 Asphalt shingle and coating materials manufacturing.....	324122	331222 Steel wire drawing	331222
324191 Petroleum lubricating oil and grease manufacturing.....	324191	331B Nonferrous metal production and processing	
324199 All other petroleum and coal products manufacturing	324199	331311 Alumina refining.....	331311
3251 Basic chemical manufacturing		331312 Primary aluminum production	331312
325110 Petrochemical manufacturing	32511	331314 Secondary smelting and alloying of aluminum	331314
325120 Industrial gas manufacturing	32512	331315 Aluminum sheet, plate, and foil manufacturing.....	331315
325130 Synthetic dye and pigment manufacturing.....	32513	331316 Aluminum extruded product manufacturing	331316
325180 Other basic inorganic chemical manufacturing	32518	331319 Other aluminum rolling and drawing.....	331319
325190 Other basic organic chemical manufacturing	32519	331411 Primary smelting and refining of copper.....	331411
3252 Resin, rubber, and artificial fibers manufacturing		331419 Primary nonferrous metal, except copper and aluminum	331419
325211 Plastics material and resin manufacturing	325211	331421 Copper rolling, drawing, and extruding.....	331421
325212 Synthetic rubber manufacturing.....	325212	331422 Copper wire, except mechanical, drawing	331422
325221 Cellulosic organic fiber manufacturing.....	325221	331423 Secondary processing of copper	331423
325222 Noncellulosic organic fiber manufacturing.....	325222	331491 Nonferrous metal, except copper and aluminum, shaping.....	331491
3253 Agricultural chemical manufacturing		331492 Secondary processing of other nonferrous.....	331492
325311 Nitrogenous fertilizer manufacturing.....	325311	3315 Foundries	
325312 Phosphatic fertilizer manufacturing	325312	331510 Ferrous metal foundries	33151
325314 Fertilizer, mixing only, manufacturing.....	325314	33152A Aluminum foundries	331521, 331524
325320 Pesticide and other agricultural chemical manufacturing.....	32532	33152B Nonferrous foundries, except aluminum.....	331522, 331525, 331528
3254 Pharmaceutical and medicine manufacturing		3321 Forging and stamping	
325400 Pharmaceutical and medicine manufacturing	3254	332111 Iron and steel forging.....	332111
3255 Paint, coating, and adhesive manufacturing		332112 Nonferrous forging	332112
325510 Paint and coating manufacturing	32551	332114 Custom roll forming.....	332114
325520 Adhesive manufacturing	32552	33211A All other forging and stamping	332115-7
3256 Soap, cleaning compound, and toiletry manufacturing		3322 Cutlery and handtool manufacturing	
325611 Soap and other detergent manufacturing.....	325611	332211 Cutlery and flatware, except precious, manufacturing	332211
325612 Polish and other sanitation good manufacturing.....	325612	332212 Hand and edge tool manufacturing	332212
325613 Surface active agent manufacturing.....	325613	332213 Saw blade and handsaw manufacturing.....	332213
325620 Toilet preparation manufacturing	32562	332214 Kitchen utensil, pot, and pan manufacturing.....	332214
3259 Other chemical product and preparation manufacturing		3323 Architectural and structural metals manufacturing	
325910 Printing ink manufacturing.....	32591	332311 Prefabricated metal buildings and components	332311
325920 Explosives manufacturing.....	32592	332312 Fabricated structural metal manufacturing.....	332312
325991 Custom compounding of purchased resins.....	325991	332313 Plate work manufacturing	332313
325992 Photographic film and chemical manufacturing.....	325992	332321 Metal window and door manufacturing.....	332321
325998 Other miscellaneous chemical product manufacturing	325998	332322 Sheet metal work manufacturing	332322
3260 Plastics and rubber products manufacturing		332323 Ornamental and architectural metal work manufacturing.....	332323
326110 Plastics packaging materials, film and sheet.....	32611	3324 Boiler, tank, and shipping container manufacturing	
326120 Plastics pipe, fittings, and profile shapes.....	32612	332410 Power boiler and heat exchanger manufacturing	33241
326130 Laminated plastics plate, sheet, and shapes	32613	332420 Metal tank, heavy gauge, manufacturing.....	33242
3261A0 Foam product manufacturing.....	32614, 32615	332430 Metal can, box, and other container manufacturing.....	33243
326160 Plastics bottle manufacturing.....	32616	332A Ordnance and accessories manufacturing	
		33299A Ammunition manufacturing	332992-3
		332994 Small arms manufacturing.....	332994
		332995 Other ordnance and accessories manufacturing.....	332995

Appendix A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
332B Other fabricated metal product manufacturing		3344 Semiconductor and electronic component manufacturing	
332500 Hardware manufacturing.....	3325	334411 Electron tube manufacturing.....	334411
332600 Spring and wire product manufacturing.....	3326	334413 Semiconductors and related device manufacturing.....	334413
332710 Machine shops.....	33271	33441A All other electronic component manufacturing.....	334412, 334414-9
332720 Turned product and screw, nut, and bolt manufacturing.....	33272		
332811 Metal heat treating.....	332811	3345 Electronic instrument manufacturing	
332812 Metal coating and nonprecious engraving.....	332812	334510 Electromedical apparatus manufacturing.....	334510
332813 Electroplating, anodizing, and coloring metal.....	332813	334511 Search, detection, and navigation instruments.....	334511
332910 Metal valve manufacturing.....	33291	334512 Automatic environmental control manufacturing.....	334512
332991 Ball and roller bearing manufacturing.....	332991	334513 Industrial process variable instruments.....	334513
332996 Fabricated pipe and pipe fitting manufacturing.....	332996	334514 Totalizing fluid meters and counting devices.....	334514
332997 Industrial pattern manufacturing.....	332997	334515 Electricity and signal testing instruments.....	334515
332998 Enameled iron and metal sanitary ware manufacturing.....	332998	334516 Analytical laboratory instrument manufacturing.....	334516
332999 Miscellaneous fabricated metal product manufacturing.....	332999	334517 Irradiation apparatus manufacturing.....	334517
		33451A Watch, clock, and other measuring and controlling device manufacturing.....	334518-9
3331 Agriculture, construction, and mining machinery		3346 Magnetic media manufacturing and reproducing	
333111 Farm machinery and equipment manufacturing.....	333111	334611 Software reproducing.....	334611
333112 Lawn and garden equipment manufacturing.....	333112	334612 Audio and video media reproduction.....	334612
333120 Construction machinery manufacturing.....	33312	334613 Magnetic and optical recording media manufacturing.....	334613
333131 Mining machinery and equipment manufacturing.....	333131		
333132 Oil and gas field machinery and equipment.....	333132	3351 Electric lighting equipment manufacturing	
		335110 Electric lamp bulb and part manufacturing.....	33511
3332 Industrial machinery manufacturing		335120 Lighting fixture manufacturing.....	33512
333210 Sawmill and woodworking machinery.....	33321		
333220 Plastics and rubber industry machinery.....	33322	3352 Household appliance manufacturing	
333291 Paper industry machinery manufacturing.....	333291	335211 Electric housewares and household fan manufacturing.....	335211
333292 Textile machinery manufacturing.....	333292	335212 Household vacuum cleaner manufacturing.....	335212
333293 Printing machinery and equipment manufacturing.....	333293	335221 Household cooking appliance manufacturing.....	335221
333294 Food product machinery manufacturing.....	333294	335222 Household refrigerator and home freezer manufacturing.....	335222
333295 Semiconductor machinery manufacturing.....	333295	335224 Household laundry equipment manufacturing.....	335224
333298 All other industrial machinery manufacturing.....	333298	335228 Other major household appliance manufacturing.....	335228
		3353 Electrical equipment manufacturing	
3333 Commercial and service industry machinery		335311 Electric power and specialty transformer manufacturing.....	335311
33331A Automatic vending, commercial laundry and drycleaning machinery.....	333311-2	335312 Motor and generator manufacturing.....	335312
333313 Office machinery manufacturing.....	333313	335313 Switchgear and switchboard apparatus manufacturing.....	335313
333314 Optical instrument and lens manufacturing.....	333314	335314 Relay and industrial control manufacturing.....	335314
333315 Photographic and photocopying equipment manufacturing.....	333315		
333319 Other commercial and service machinery manufacturing.....	333319	3359 Other electrical equipment and component manufacturing	
		335911 Storage battery manufacturing.....	335911
3334 HVAC and commercial refrigeration equipment		335912 Primary battery manufacturing.....	335912
333411 Air purification equipment manufacturing.....	333411	335921 Fiber optic cable manufacturing.....	335921
333412 Industrial and commercial fan and blower manufacturing.....	333412	335929 Other communication and energy wire manufacturing.....	335929
333414 Heating equipment, except warm air furnaces.....	333414	335930 Wiring device manufacturing.....	33593
333415 AC, refrigeration, and forced air heating.....	333415	335991 Carbon and graphite product manufacturing.....	335991
		335999 Miscellaneous electrical equipment manufacturing.....	335999
3335 Metalworking machinery manufacturing		3361 Motor vehicle manufacturing	
333511 Industrial mold manufacturing.....	333511	336110 Automobile and light truck manufacturing.....	33611
333512 Metal cutting machine tool manufacturing.....	333512	336120 Heavy duty truck manufacturing.....	33612
333513 Metal forming machine tool manufacturing.....	333513		
333514 Special tool, die, jig, and fixture manufacturing.....	333514	336A Motor vehicle body, trailer, and parts manufacturing	
333515 Cutting tool and machine tool accessory manufacturing.....	333515	336211 Motor vehicle body manufacturing.....	336211
33351A Rolling mill and other metalworking machinery.....	333516, 333518	336212 Truck trailer manufacturing.....	336212
		336213 Motor home manufacturing.....	336213
3336 Turbine and power transmission equipment manufacturing		336214 Travel trailer and camper manufacturing.....	336214
333611 Turbine and turbine generator set units manufacturing.....	333611	336300 Motor vehicle parts manufacturing.....	3363
33361A Speed changers and mechanical power transmission equipment.....	333612-3		
333618 Other engine equipment manufacturing.....	333618	3364 Aerospace product and parts manufacturing	
		336411 Aircraft manufacturing.....	336411
3339 Other general purpose machinery manufacturing		336412 Aircraft engine and engine parts manufacturing.....	336412
333911 Pump and pumping equipment manufacturing.....	333911	336413 Other aircraft parts and equipment.....	336413
333912 Air and gas compressor manufacturing.....	333912	336414 Guided missile and space vehicle manufacturing.....	336414
333913 Measuring and dispensing pump manufacturing.....	333913	33641A Propulsion units and parts for space vehicles and guided missiles...	336415, 336419
333921 Elevator and moving stairway manufacturing.....	333921		
333922 Conveyor and conveying equipment manufacturing.....	333922	336B Other transportation equipment manufacturing	
333923 Overhead cranes, hoists, and monorail systems.....	333923	336500 Railroad rolling stock manufacturing.....	3365
333924 Industrial truck, trailer, and stacker manufacturing.....	333924	336611 Ship building and repairing.....	336611
333991 Power-driven handtool manufacturing.....	333991	336612 Boat building.....	336612
333992 Welding and soldering equipment manufacturing.....	333992	336991 Motorcycle, bicycle, and parts manufacturing.....	336991
333993 Packaging machinery manufacturing.....	333993	336992 Military armored vehicles and tank parts manufacturing.....	336992
333994 Industrial process furnace and oven manufacturing.....	333994	336999 All other transportation equipment manufacturing.....	336999
333995 Fluid power cylinder and actuator manufacturing.....	333995		
333996 Fluid power pump and motor manufacturing.....	333996	3370 Furniture and related product manufacturing	
33399A Scales, balances, and miscellaneous general purpose machinery.....	333997, 333999	337110 Wood kitchen cabinet and countertop manufacturing.....	33711
		337121 Upholstered household furniture manufacturing.....	337121
3341 Computer and peripheral equipment manufacturing		337122 Nonupholstered wood household furniture manufacturing.....	337122
334111 Electronic computer manufacturing.....	334111	337124 Metal household furniture manufacturing.....	337124
334112 Computer storage device manufacturing.....	334112	337127 Institutional furniture manufacturing.....	337127
334113 Computer terminal manufacturing.....	334113	33712A Other household and institutional furniture.....	337125, 337129
334119 Other computer peripheral equipment manufacturing.....	334119	337211 Wood office furniture manufacturing.....	337211
		337212 Custom architectural woodwork and millwork.....	337212
334A Audio, video, and communications equipment manufacturing		337214 Office furniture, except wood, manufacturing.....	337214
334210 Telephone apparatus manufacturing.....	33421		
334220 Broadcast and wireless communications equipment.....	33422		
334290 Other communications equipment manufacturing.....	33429		
334300 Audio and video equipment manufacturing.....	3343		

Appendix A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
337215 Showcases, partitions, shelving, and lockers.....	337215	5131 Radio and television broadcasting	
337910 Mattress manufacturing.....	33791	513100 Radio and television broadcasting.....	5131
337920 Blind and shade manufacturing.....	33792	5132 Cable networks and program distribution	
3391 Medical equipment and supplies manufacturing		513200 Cable networks and program distribution.....	5132
339111 Laboratory apparatus and furniture manufacturing.....	339111	5133 Telecommunications	
339112 Surgical and medical instrument manufacturing.....	339112	513300 Telecommunications.....	5133
339113 Surgical appliance and supplies manufacturing.....	339113	5141 Information services	
339114 Dental equipment and supplies manufacturing.....	339114	514100 Information services.....	5141
339115 Ophthalmic goods manufacturing.....	339115	5142 Data processing services	
339116 Dental laboratories.....	339116	514200 Data processing services.....	5142
3399 Other miscellaneous manufacturing		FINANCE AND INSURANCE	
339910 Jewelry and silverware manufacturing.....	33991	52A0 Monetary authorities, credit intermediation and related activities	
339920 Sporting and athletic goods manufacturing.....	33992	52A000 Monetary authorities and depository credit intermediation.....	521, 5221
339930 Doll, toy, and game manufacturing.....	33993	522A00 Nondepository credit intermediation and related activities.....	5222, 5223
339940 Office supplies, except paper, manufacturing.....	33994	5230 Securities, commodity contracts, investments	
339950 Sign manufacturing.....	33995	523000 Securities, commodity contracts, investments.....	523
339991 Gasket, packing, and sealing device manufacturing.....	339991	5240 Insurance carriers and related activities	
339992 Musical instrument manufacturing.....	339992	524100 Insurance carriers.....	5241
339994 Broom, brush, and mop manufacturing.....	339994	524200 Insurance agencies, brokerages, and related.....	5242
339995 Burial casket manufacturing.....	339995	5250 Funds, trusts, and other financial vehicles	
33999A Buttons, pins, and all other miscellaneous manufacturing.....	339993, 339999	525000 Funds, trusts, and other financial vehicles.....	525
WHOLESALE TRADE		REAL ESTATE AND RENTAL AND LEASING	
4200 Wholesale trade		5310 Real estate	
420000 Wholesale trade.....	42	531000 Real estate.....	531
RETAIL TRADE		S008 Owner-occupied dwellings	
4A00 Retail trade		S00800 Owner-occupied dwellings.....	
4A0000 Retail trade.....	44, 45	5321 Automotive equipment rental and leasing	
TRANSPORTATION AND WAREHOUSING, EXCLUDING POSTAL SERVICE		532100 Automotive equipment rental and leasing.....	5321
4810 Air transportation		532A Consumer goods and general rental centers	
481000 Air transportation.....	481	532A00 General and consumer goods rental except video tapes and discs....	53221, 53222, 53229, 5323
4820 Rail transportation		532230 Video tape and disc rental.....	53223
482000 Rail transportation.....	482	5324 Machinery and equipment rental and leasing	
4830 Water transportation		532400 Machinery and equipment rental and leasing.....	5324
483000 Water transportation.....	483	5330 Lessors of nonfinancial intangible assets	
4840 Truck transportation		533000 Lessors of nonfinancial intangible assets.....	533
484000 Truck transportation.....	484	PROFESSIONAL AND TECHNICAL SERVICES	
4850 Transit and ground passenger transportation		5411 Legal services	
485000 Transit and ground passenger transportation.....	485	541100 Legal services.....	5411
4860 Pipeline transportation		5412 Accounting and bookkeeping services	
486000 Pipeline transportation.....	486	541200 Accounting and bookkeeping services.....	5412
48A0 Scenic and sightseeing transportation and support activities for transportation		5413 Architectural and engineering services	
48A000 Scenic and sightseeing transportation and support activities for transportation.....	487, 488	541300 Architectural and engineering services.....	5413
4920 Couriers and messengers		5414 Specialized design services	
492000 Couriers and messengers.....	492	541400 Specialized design services.....	5414
4930 Warehousing and storage		5415 Computer systems design and related services	
493000 Warehousing and storage.....	493	541511 Custom computer programming services.....	541511
INFORMATION		541512 Computer systems design services.....	541512
5111 Newspaper, book, and directory publishers		54151A Other computer related services, including facilities management....	541513, 541519
511110 Newspaper publishers.....	51111	5416 Management and technical consulting services	
511120 Periodical publishers.....	51112	541610 Management consulting services.....	54161
511130 Book publishers.....	51113	5416A0 Environmental and other technical consulting services.....	54162, 54169
5111A0 Database, directory, and other publishers.....	51114, 51119	5417 Scientific research and development services	
5112 Software publishers		541700 Scientific research and development services.....	5417
511200 Software publishers.....	5112	5418 Advertising and related services	
5120 Motion picture and sound recording industries		541800 Advertising and related services.....	5418
512100 Motion picture and video industries.....	5121		
512200 Sound recording industries.....	5122		

Appendix A. Industries in the 1997 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1997 NAICS codes	I-O industry number and title	Related 1997 NAICS codes
5419 Other professional and technical services		713A00 Other amusement, gambling, and recreation industries	7131, 7132, 71391, 71392, 71393, 71399
541920 Photographic services	54192		
541940 Veterinary services	54194		
5419A0 All other miscellaneous professional and technical services	54191, 54193, 54199		
MANAGEMENT OF COMPANIES AND ENTERPRISES		7210 Accommodation	
5500 Management of companies and enterprises		7211A0 Hotels and motels, including casino hotels	72111, 72112
550000 Management of companies and enterprises	55	721A00 Other accommodations	72119, 7212, 7213
ADMINISTRATIVE AND WASTE SERVICES		7220 Food services and drinking places	
5613 Employment services		722000 Food services and drinking places	722
561300 Employment services	5613		
5615 Travel arrangement and reservation services		OTHER SERVICES, EXCEPT PUBLIC ADMINISTRATION	
561500 Travel arrangement and reservation services	5615	8111 Automotive repair and maintenance	
561A All other administrative and support services		8111A0 Automotive repair and maintenance, except car washes	81111, 81112, 811191, 811198
561100 Office administrative services	5611	811192 Car washes	811192
561200 Facilities support services	5612	811A Electronic, commercial, and household goods repair	
561400 Business support services	5614	811200 Electronic equipment repair and maintenance	8112
561600 Investigation and security services	5616	811300 Commercial machinery repair and maintenance	8113
561700 Services to buildings and dwellings	5617	811400 Household goods repair and maintenance	8114
561900 Other support services	5619	8120 Personal and laundry services	
5620 Waste management and remediation services		812100 Personal care services	8121
562000 Waste management and remediation services	562	812200 Death care services	8122
		812300 Drycleaning and laundry services	8123
		812900 Other personal services	8129
EDUCATIONAL SERVICES		813A Religious, grantmaking and giving, and social advocacy organizations	
6100 Educational services		813100 Religious organizations	8131
611100 Elementary and secondary schools	6111	813A00 Grantmaking and giving and social advocacy organizations	8132, 8133
611A00 Colleges, universities, and junior colleges	6112, 6113	813B Civic, social, professional and similar organizations	
611B00 Other educational services	6114, 6115, 6116, 6117	813B00 Civic, social, professional and similar organizations	8134, 8139
HEALTH CARE AND SOCIAL ASSISTANCE		8140 Private households	
6210 Ambulatory health care services		814000 Private households	814
621A00 Offices of physicians, dentists, and other health practitioners	6211, 6212, 6213		
621600 Home health care services	6216	GOVERNMENT INDUSTRIES	
621B00 Other ambulatory health care services	6214, 6215, 6219	S001 Federal Government enterprises	
6220 Hospitals		491000 Postal service	491
622000 Hospitals	622	S00101 Federal electric utilities	
6230 Nursing and residential care facilities		S00102 Other Federal Government enterprises	
623000 Nursing and residential care facilities	623	S002 State and local government enterprises	
6240 Social assistance		S00201 State and local government passenger transit	
624400 Child day care services	6244	S00202 State and local government electric utilities	
624A00 Social assistance, except child day care services	6241, 6242, 6243	S00203 Other State and local government enterprises	
ARTS, ENTERTAINMENT, AND RECREATION		S005 General government industry	
71A0 Performing arts, spectator sports, museums, zoos, and parks		S00500 General government industry	
711100 Performing arts companies	7111	SPECIAL INDUSTRIES	
711200 Spectator sports	7112	S003 Noncomparable imports	
711A00 Promoters of performing arts and sports and agents for public figures	7113, 7114	S00300 Noncomparable imports	
711500 Independent artists, writers, and performers	7115	S004 Scrap, used and secondhand goods	
712000 Museums, historical sites, zoos, and parks	712	S00401 Scrap	
7130 Amusements, gambling, and recreation		S00402 Used and secondhand goods	
713940 Fitness and recreational sports centers	71394	S006 Rest of the world adjustment to final uses	
713950 Bowling centers	71395	S00600 Rest of the world adjustment to final uses	
		S007 Inventory valuation adjustment	
		S00700 Inventory valuation adjustment	

Appendix B. Classification of Value Added and Final Uses in the 1997 Benchmark Input-Output Accounts

[The titles in boldface represent the value added and final use components used for the summary version of the 1997 tables.]

I-O number and title		I-O number and title	
	VALUE ADDED		
V001	Compensation of employees V00100 Compensation of employees	F06C	Federal Government consumption expenditures, national defense F06C00 Federal Government consumption expenditures, national defense
V002	Indirect business tax and nontax liability V00200 Indirect business tax and nontax liability	F06I	Federal Government gross investment, national defense F06I00 Federal Government gross investment, national defense
V003	Other value added V00300 Other value added	F07C	Federal Government consumption expenditures, nondefense F07C00 Federal Government consumption expenditures, nondefense
	FINAL USES		
F010	Personal consumption expenditures F01000 Personal consumption expenditures	F07I	Federal Government gross investment, nondefense F07I00 Federal Government gross investment, nondefense
F020	Private fixed investment F02000 Private fixed investment	F08C	State and local government consumption expenditures, education F08C00 State and local government consumption expenditures, education
F030	Change in private inventories F03000 Change in private inventories	F08I	State and local government gross investment, education F08I00 State and local government gross investment, education
F040	Exports of goods and services F04000 Exports of goods and services	F09C	State and local consumption expenditures, other F09C00 State and local consumption expenditures, other
F050	Imports of goods and services F05000 Exports of goods and services	F09I	State and local government gross investment, other F09I00 State and local government gross investment, other

Appendix C. Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1997 Benchmark Input-Output Accounts

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Food purchased for off-premise consumption (n.d.)					Standard clothing issued to military personnel (n.d.)				
Total	296,590	11,654	182,726	490,970	Total	271	2	43	316
1110 Crop products	19,344	3,875	14,490	37,709	3140 Nonapparel textile products	8	(*)	1	9
1120 Animal products	2,582	30	949	3,561	3150 Apparel	217	2	36	255
1140 Fish and other nonfarm animals	2,029	53	1,025	3,106	3160 Leather and allied products	46	(*)	6	52
2123 Nonmetallic minerals	7	7	5	19	3399 Other miscellaneous manufactured products	(*)			(*)
3110 Food products	216,548	6,042	122,778	345,368	Cleaning, storage, and repair of clothing and shoes (s.)				
3121 Beverage products	57,034	1,624	43,314	101,972	Total	13,646			13,646
3251 Basic chemicals	192	8	96	296	7210 Accommodations	242			242
3259 Other chemical products	89	16	69	174	811A Electronic, commercial, and household goods repair	1,208			1,208
4A00 Retail trade	2			2	8120 Personal and laundry services	12,197			12,197
S004 Scrap, used and secondhand goods	-1,237			-1,237	Jewelry and watches (d.)				
Purchased meals and beverages (n.d.)					Total	19,255	103	21,227	40,585
Total	294,872			294,872	3345 Electronic instruments	2,214	29	2,565	4,808
4810 Air transportation	98			98	3399 Other miscellaneous manufactured products	17,892	74	18,478	36,443
4820 Rail transportation	52			52	S004 Scrap, used and secondhand goods	-850		184	-666
5120 Motion pictures and sound recordings	2,277			2,277	Other miscellaneous personal, clothing and jewelry services (s.)				
7130 Amusements, gambling, and recreation	198			198	Total	24,757			24,757
71A0 Performing arts, spectator sports, and museums	1,159			1,159	532A Consumer goods and general rentals	889			889
7220 Food and beverage services to customer order	291,088			291,088	811A Electronic, commercial, and household goods repair	1,469			1,469
Food furnished to employees (including military) (n.d.)					8120 Personal and laundry services	22,399			22,399
Total	7,058	253	924	8,235	Toilet articles and preparations (n.d.)				
1110 Crop products	218	48	54	319	Total	27,540	872	22,828	51,240
1120 Animal products	168	2	1	171	3140 Nonapparel textile products	183	6	154	343
1140 Fish and other nonfarm animals	24	1	3	28	3150 Apparel	19	(*)	16	35
3110 Food products	6,514	202	844	7,560	3256 Soaps, cleaning compounds, and toiletries	23,438	609	18,997	43,044
3121 Beverage products	134	1	22	157	3260 Plastics and rubber products	35	2	26	62
Food produced and consumed on farms (n.d.)					3322 Cutlery and handtools	1,303	42	2,012	3,357
Total	529			529	3352 Household appliances	1,177	51	691	1,919
1110 Crop products	146			146	3359 Other electrical equipment and components	549	60	311	919
1120 Animal products	383			383	3399 Other miscellaneous manufactured products	836	102	621	1,560
Tobacco products (n.d.)					Barber shops, beauty parlors, and health clubs (s.)				
Total	32,257	222	21,293	53,772	Total	31,246			31,246
3122 Tobacco products	32,257	222	21,293	53,772	6100 Educational services	16			16
Shoes (n.d.)					7130 Amusements, gambling, and recreation	5,376			5,376
Total	18,333	179	21,748	40,259	7210 Accommodations	1,350			1,350
3160 Leather and allied products	18,333	179	21,681	40,193	8120 Personal and laundry services	24,504			24,504
S004 Scrap, used and secondhand goods	-1		67	67	Owner-occupied nonfarm dwellings—space rent (s.)				
Women's and children's clothing and accessories except shoes (n.d.)					Total	585,524			585,524
Total	65,671	813	67,087	133,571	S008 Owner-occupied dwellings	585,524			585,524
3130 Yarn, fabrics, and other textile mill products	1,947	61	1,930	3,938	Tenant-occupied nonfarm dwellings—rent (s.)				
3140 Nonapparel textile products	225	8	205	438	Total	186,088			186,088
3150 Apparel	56,692	579	59,062	116,333	5310 Real estate	186,088			186,088
3160 Leather and allied products	3,879	50	2,840	6,768	Rental value of farm dwellings (s.)				
3222 Converted paper products	2,715	76	1,760	4,551	Total	10,090			10,090
3260 Plastics and rubber products	33	2	31	65	5310 Real estate	2,753			2,753
3399 Other miscellaneous manufactured products	242	25	274	541	S008 Owner-occupied dwellings	7,338			7,338
5111 Newspapers, books, and directories	182	13	193	389	Other housing (s.)				
811A Electronic, commercial, and household goods repair	13			13	Total	47,626			47,626
S004 Scrap, used and secondhand goods	-255		791	535	7210 Accommodations	47,626			47,626
Men's and boy's clothing and accessories except shoes (n.d.)					Furniture, including mattresses and bedsprings (d.)				
Total	43,778	462	36,996	81,237	Total	28,078	235	27,648	55,960
3130 Yarn, fabrics, and other textile mill products	186	6	181	373	3370 Furniture and related products	27,877	234	27,348	55,459
3150 Apparel	42,780	433	35,939	79,152	3391 Medical equipment and supplies	84	1	79	164
3160 Leather and allied products	893	8	538	1,439	S004 Scrap, used and secondhand goods	117		220	337
3260 Plastics and rubber products	21	1	16	38					
3399 Other miscellaneous manufactured products	128	14	126	269					
811A Electronic, commercial, and household goods repair	50			50					
S004 Scrap, used and secondhand goods	-280		196	-84					

See footnotes at end of table.

Appendix C. Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1997 Benchmark Input-Output Accounts—Continued

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Kitchen and other household appliances (d.)					S004 Scrap, used and secondhand goods			37	37
Total	16,198	631	9,485	26,314	Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n.d.)				
331B Primary nonferrous metal products	57	1	29	87	Total	29,945	2,665	21,121	53,730
3332 Industrial machinery	284	(*)	166	450	2123 Nonmetallic minerals	33	39	25	97
3334 HVAC and commercial refrigeration equipment	1,601	47	983	2,631	3130 Yarn, fabrics, and other textile mill products	119	3	56	177
3352 Household appliances	14,201	582	8,197	22,980	3221 Pulp, paper, and paperboard	6,226	888	3,738	10,851
3359 Other electrical equipment and components	15	(*)	10	25	3222 Converted paper products	2,847	297	1,577	4,721
S004 Scrap, used and secondhand goods	40		102	141	3230 Printed products	2		1	3
China, glassware, tableware, and utensils (d.)					3251 Basic chemicals	29	2	14	45
Total	11,841	405	12,992	25,238	3253 Agricultural chemicals	1,296	62	925	2,283
3210 Wood products	279	11	351	641	3255 Paints, coatings, and adhesives	362	25	187	573
3260 Plastics and rubber products	4,995	143	5,165	10,303	3256 Soaps, cleaning compounds, and toiletries	13,219	973	9,915	24,106
3270 Nonmetallic mineral products	2,534	83	2,442	5,058	3259 Other chemical products	230	41	246	517
331A Primary ferrous metal products	424		306	730	3260 Plastics and rubber products	2,011	82	730	2,823
3315 Foundry products	6	5	22	33	3270 Nonmetallic mineral products	265	18	128	411
3321 Forgings and stampings	256	3	259	518	332B Other fabricated metal products	669	114	375	1,159
3322 Cutlery and handtools	1,710	21	1,794	3,526	3351 Electric lighting equipment	982	21	1,223	2,226
3324 Boilers, tanks, and shipping containers	122	4	108	234	3353 Electrical equipment	69	1	73	143
332B Other fabricated metal products	766	130	812	1,708	3359 Other electrical equipment and components	984	29	1,082	2,095
3399 Other miscellaneous manufactured products	730	5	1,522	2,258	3399 Other miscellaneous manufactured products	605	70	826	1,501
4A00 Retail trade	6			6	Stationary and writing supplies (n.d.)				
S004 Scrap, used and secondhand goods	13		211	224	Total	7,961	538	8,308	16,806
Other durable house furnishings (d.)					3222 Converted paper products	757	15	689	1,461
Total	25,549	943	28,807	55,299	3230 Printed products	715	17	747	1,479
3140 Nonapparel textile products	6,413	311	6,522	13,246	3255 Paints, coatings, and adhesives	697	130	863	1,691
3160 Leather and allied products	118	6	106	230	3260 Plastics and rubber products	5	(*)	6	11
3210 Wood products	802	36	908	1,745	3399 Other miscellaneous manufactured products	679	9	892	1,579
3230 Printed products	146		123	269	5111 Newspapers, books, and directories	5,107	367	5,101	10,575
3260 Plastics and rubber products	295	18	318	631	S004 Scrap, used and secondhand goods			10	10
3270 Nonmetallic mineral products	1,940	74	1,931	3,945	Electricity (s.)				
331A Primary ferrous metal products	193		144	337	Total	94,516			94,516
3322 Cutlery and handtools	1,542	17	2,185	3,743	2211 Electric power	94,516			94,516
3323 Architectural and structural metal products	74	(*)	64	138	Gas (s.)				
3324 Boilers, tanks, and shipping containers	1		1	2	Total	36,832			36,832
332B Other fabricated metal products	482	34	448	964	2212 Natural gas distribution	36,832			36,832
3331 Agriculture, construction, and mining machinery	619	9	761	1,389	Water and other sanitary services (s.)				
3332 Industrial machinery	273	2	324	599	Total	40,510			40,510
3333 Commercial and service industry machinery	219	4	530	753	2213 Water and sewage treatment	21,339			21,339
3335 Metalworking machinery	62	3	66	131	5620 Waste management and remediation services	8,732			8,732
3339 Other general purpose machinery	1,170	7	1,495	2,673	S002 State and local government enterprise services	10,439			10,439
334A Audio, video, and communications equipment	1,976	12	1,789	3,776	Fuel oil and coal (n.d.)				
3345 Electronic instruments	605	7	709	1,321	Total	7,553	475	5,316	13,344
3351 Electric lighting equipment	2,177	149	2,353	4,678	2121 Coal	57	26	67	150
3353 Electrical equipment	137	2	142	281	2213 Water and sewage treatment	89			89
3370 Furniture and related products	2,066	51	2,010	4,126	3210 Wood products	184	7	246	436
3399 Other miscellaneous manufactured products	2,649	204	3,275	6,128	3240 Petroleum and coal products	6,885	401	4,687	11,974
4A00 Retail trade	35			35	3251 Basic chemicals	338	41	315	695
S004 Scrap, used and secondhand goods	1,556		2,604	4,160	Telephone and telegraph (s.)				
Semidurable house furnishings (n.d.)					Total	104,842			104,842
Total	16,559	406	14,261	31,225	5133 Telecommunications	104,272			104,272
3130 Yarn, fabrics, and other textile mill products	740	26	606	1,372	7210 Accommodations	569			569
3140 Nonapparel textile products	11,393	141	9,640	21,173	Domestic service (s.)				
3150 Apparel	168	1	153	322	Total	14,788			14,788
3210 Wood products	292	11	323	625	561A All other administrative and support services	2,753			2,753
3230 Printed products	1,571	12	1,102	2,684	8140 Private household services	12,035			12,035
3260 Plastics and rubber products	394	11	335	741					
3270 Nonmetallic mineral products	146	2	126	274					
331A Primary ferrous metal products	88	9	89	186					
332B Other fabricated metal products	178	6	207	391					
3351 Electric lighting equipment	46	4	43	92					
3352 Household appliances	79	4	69	151					
336A Motor vehicle bodies, trailers, and parts	7		5	12					
3399 Other miscellaneous manufactured products	1,457	180	1,529	3,166					

See footnotes at end of table.

**Appendix C. Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices,
1997 Benchmark Input-Output Accounts—Continued**

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Other household operation (s.)					Workers' compensation insurance (s.)				
Total	44,335			44,335	Total				9,619
4810 Air transportation	20			20	5240 Insurance carriers and related services....	9,619			9,619
4830 Water transportation	22			22	Brokerage charges and investment counseling (s.)				
4840 Truck transportation	9,044			9,044	Total	59,736			59,736
4930 Warehousing and storage.....	452			452	52A0 Monetary oversight and credit				2,064
5240 Insurance carriers and related services....	4,691			4,691	5230 Securities, commodity contracts, investments	57,672			57,672
5310 Real estate.....	1,559			1,559	Bank service charges, trust services, and safe deposit box rental (s.)				
532A Consumer goods and general rentals	4,653			4,653	Total	45,395			45,395
5414 Specialized design services	2,506			2,506	52A0 Monetary oversight and credit				44,739
561A All other administrative and support services.....	8,567			8,567	5230 Securities, commodity contracts, investments	656			656
811A Electronic, commercial, and household goods repair.....	6,023			6,023	Services furnished without payment by financial intermediaries except life insurance carriers (s.)				
S001 Federal Government enterprise services....	6,783			6,783	Total	196,885			196,885
S004 Scrap, used and secondhand goods.....	16			16	52A0 Monetary oversight and credit				159,365
Drug preparations and sundries (n.d.)					Expense of handling life insurance and pension plans (s.)				
Total	65,740	529	44,997	111,266	Total	93,155			93,155
3221 Pulp, paper, and paperboard	278	40	256	574	5240 Insurance carriers and related services....	62,766			62,766
3222 Converted paper products	2,086	58	1,396	3,541	5250 Funds, trusts, and other financial vehicles	30,389			30,389
3240 Petroleum and coal products	19	1	14	34	Legal services (s.)				
3251 Basic chemicals.....	157	9	85	251	Total	53,747			53,747
3254 Pharmaceuticals and medicines	60,783	380	41,790	102,953	5411 Legal services	53,747			53,747
3260 Plastics and rubber products	489	29	345	863	Funeral and burial expenses (s.)				
3351 Electric lighting equipment.....	2		1	3	Total	12,296	52	654	13,001
3352 Household appliances	8	(*)	6	14	3270 Nonmetallic mineral products	714	45	605	1,364
3391 Medical equipment and supplies	1,918	13	1,104	3,035	332B Other fabricated metal products.....	43	7	49	99
Ophthalmic products and orthopedic appliances (d.)					Other personal business (s.)				
Total	6,617	43	11,936	18,596	Total	26,469			26,469
3345 Electronic instruments	763	5	1,279	2,047	3230 Printed products	39			39
3359 Other electrical equipment and components.....	221	7	349	577	5133 Telecommunications	1,104			1,104
3391 Medical equipment and supplies	5,615	31	10,307	15,953	52A0 Monetary oversight and credit				1,036
S004 Scrap, used and secondhand goods.....	19		1	20	intermediation.....	1,036			1,036
Physicians (s.)					Net purchases of used autos (d.)				
Total	198,208			198,208	Total	26,063		24,195	50,258
6210 Ambulatory health care services	198,208			198,208	S004 Scrap, used and secondhand goods	26,063		24,195	50,258
Dentists (s.)					Other motor vehicles (d.)				
Total	50,931			50,931	Total	80,220	1,551	28,864	110,635
6210 Ambulatory health care services	50,931			50,931	3361 Motor vehicles	63,844	1,404	14,530	79,777
Other professional medical services (s.)					Income loss insurance (s.)				
Total	141,906			141,906	Total	1,172			1,172
532A Consumer goods and general rentals	1,510			1,510	5240 Insurance carriers and related services....	1,172			1,172
5414 Specialized design services	17			17	See footnotes at end of table.				
6210 Ambulatory health care services	140,380			140,380					
Nonprofit hospitals (s.)									
Total	223,191			223,191					
6220 Hospital care	223,191			223,191					
Proprietary hospitals (s.)									
Total	40,766			40,766					
6220 Hospital care	40,766			40,766					
Government hospitals (s.)									
Total	73,864			73,864					
6220 Hospital care	73,864			73,864					
Nursing homes (s.)									
Total	78,236			78,236					
6230 Nursing and residential care.....	78,236			78,236					
Medical care and hospitalization insurance (s.)									
Total	48,481			48,481					
5240 Insurance carriers and related services....	48,481			48,481					

**Appendix C. Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices,
1997 Benchmark Input-Output Accounts—Continued**

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Tires, tubes, accessories, and other parts (d.)					Magazines, newspapers, and sheet music (n.d.)				
Total	16,665	3,399	21,475	41,539	Total	22,021	1,081	7,666	30,768
3140 Nonapparel textile products.....	13	(*)	14	28	3230 Printed products.....	84	(*)	19	102
3260 Plastics and rubber products.....	6,621	2,940	9,000	18,560	5111 Newspapers, books, and directories.....	21,883	1,081	7,644	30,608
3270 Nonmetallic mineral products.....	24	1	25	50	5120 Motion pictures and sound recordings.....	54			54
331A Primary ferrous metal products.....	21		17	38	S004 Scrap, used and secondhand goods.....			3	3
332B Other fabricated metal products.....	104	7	95	206					
334A Audio, video, and communications equipment.....	1,452	17	1,597	3,066	Nondurable toys and sport supplies (n.d.)				
3344 Semiconductors and electronic components.....	7		8	15	Total	22,484	549	24,967	48,000
3351 Electric lighting equipment.....	157	3	180	340	1110 Crop products.....	462	71	503	1,036
3359 Other electrical equipment and components.....	1,532	167	1,672	3,371	1120 Animal products.....	48	3	47	97
336A Motor vehicle bodies, trailers, and parts..	8,363	261	7,772	16,396	3140 Nonapparel textile products.....	83	4	122	208
3399 Other miscellaneous manufactured products.....	133	2	124	260	3222 Converted paper products.....	195	19	219	434
S004 Scrap, used and secondhand goods.....	-1,763		973	-790	3230 Printed products.....	168	(*)	136	305
					3259 Other chemical products.....	2,075	109	1,760	3,944
Repair, greasing, washing, parking, storage, rental, and leasing (s.)					3260 Plastics and rubber products.....	95	5	86	186
Total	151,926			151,926	332A Ordnance and accessories.....	600	10	480	1,091
48A0 Sightseeing transportation and transportation support.....	829			829	3351 Electric lighting equipment.....	45	1	35	80
5321 Automotive equipment rental and leasing	40,507			40,507	3353 Electrical equipment.....	18	1	14	32
6100 Educational services.....	80			80	3359 Other electrical equipment and components.....	361	5	395	760
71A0 Performing arts, spectator sports, and museums.....	20			20	3399 Other miscellaneous manufactured products.....	18,312	320	21,119	39,752
8111 Automotive repair and maintenance.....	105,396			105,396	811A Electronic, commercial, and household goods repair.....	23			23
8120 Personal and laundry services.....	5,095			5,095	S004 Scrap, used and secondhand goods.....	(*)		52	52
					Wheel goods, sports and photographic equipment, boats, and pleasure aircraft (d.)				
Gasoline and oil (n.d.)					Total	25,054	370	19,202	44,626
Total	51,731	3,680	80,185	135,596	3140 Nonapparel textile products.....	714	14	634	1,362
3240 Petroleum and coal products.....	51,731	3,680	80,185	135,596	3160 Leather and allied products.....	337	17	310	663
					3260 Plastics and rubber products.....	236	95	269	600
Bridge, tunnel, ferry, and road tolls (s.)					331A Primary ferrous metal products.....	13		9	22
Total	4,367			4,367	3322 Cutlery and handtools.....	355	12	615	981
S002 State and local government enterprise services.....	4,367			4,367	332A Ordnance and accessories.....	858	33	696	1,587
					332B Other fabricated metal products.....	53	1	22	77
Motor vehicle insurance (s.)					3333 Commercial and service industry machinery.....	1,776	14	1,340	3,130
Total	35,781			35,781	3336 Turbine and power transmission equipment.....	521	(*)	199	720
5240 Insurance carriers and related services.....	35,781			35,781	3345 Electronic instruments.....	27	(*)	13	40
					3359 Other electrical equipment and components.....	12	1	4	18
Mass transit systems (s.)					336A Motor vehicle bodies, trailers, and parts..	373	7	165	545
Total	7,839			7,839	3364 Aerospace products and part.....	695	3	139	837
4820 Rail transportation.....	70			70	336B Other transportation equipment.....	8,891	101	5,647	14,638
4850 Transit and ground passenger transportation.....	7,769			7,769	3399 Other miscellaneous manufactured products.....	7,066	73	8,163	15,302
					811A Electronic, commercial, and household goods repair.....	3,147			3,147
Taxicab (s.)					S004 Scrap, used and secondhand goods.....	-22		978	956
Total	3,258			3,258	Video and audio goods, including musical instruments (d.)				
4850 Transit and ground passenger transportation.....	3,258			3,258	Total	32,677	304	25,497	58,478
					3160 Leather and allied products.....	99	1	93	192
Railway (s.)					334A Audio, video, and communications equipment.....	19,180	223	11,216	30,619
Total	420			420	3344 Semiconductors and electronic components.....	278		160	437
4820 Rail transportation.....	420			420	3346 Magnetic media products.....	415	5	219	640
					3359 Other electrical equipment and components.....	1,126	28	639	1,793
Bus (s.)					3399 Other miscellaneous manufactured products.....	1,306	27	1,571	2,904
Total	2,223			2,223	5120 Motion pictures and sound recordings.....	9,697	19	11,501	21,217
4850 Transit and ground passenger transportation.....	2,223			2,223	S004 Scrap, used and secondhand goods.....	577		99	676
					Computers, peripherals, and software (d.)				
Airline (s.)					Total	22,000	190	11,280	33,470
Total	29,836			29,836	3341 Computer and peripheral equipment.....	16,207	187	9,289	25,682
4810 Air transportation.....	29,836			29,836	3344 Semiconductors and electronic components.....	148		60	208
					5112 Software.....	5,591	3	1,913	7,507
Other purchased intercity transportation (s.)					S004 Scrap, used and secondhand goods.....	54		18	72
Total	7,049			7,049	Radio and television repair (s.)				
4830 Water transportation.....	227			227	Total	2,850			2,850
4850 Transit and ground passenger transportation.....	1,160			1,160	532A Consumer goods and general rentals.....	304			304
5615 Travel arrangement and reservation services.....	5,662			5,662	811A Electronic, commercial, and household goods repair.....	2,545			2,545
Books and maps (d.)									
Total	13,508	394	13,031	26,933					
3230 Printed products.....	14		12	27					
5111 Newspapers, books, and directories.....	12,348	394	12,232	24,973					
S004 Scrap, used and secondhand goods.....	1,146		787	1,933					

See footnotes at end of table.

**Appendix C. Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices,
1997 Benchmark Input-Output Accounts—Continued**

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Flowers, seeds, and potted plants (n.d.)					6100 Educational services	3,645			3,645
Total	7,113	1,048	7,423	15,585	7130 Amusements, gambling, and recreation ..	10,430			10,430
1110 Crop products	6,796	1,048	7,423	15,268	71A0 Performing arts, spectator sports, and museums.....	1,409			1,409
561A All other administrative and support services.....	317			317	7210 Accommodations	3,635			3,635
Motion picture theaters (s.)					811A Electronic, commercial, and household goods repair	28			28
Total	6,608			6,608	8120 Personal and laundry services	8,378			8,378
4810 Air transportation	13			13	813B Civic, social, professional and similar organizations	123			123
5120 Motion pictures and sound recordings.....	6,371			6,371	S002 State and local government enterprise services	14,247			14,247
6100 Educational services.....	225			225	S004 Scrap, used and secondhand goods	202	266		468
Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.)					Higher education (s.)				
Total	9,173			9,173	Total	69,880			69,880
5615 Travel arrangement and reservation services.....	811			811	6100 Educational services	69,880			69,880
6100 Educational services.....	444			444	Nursery, elementary, and secondary schools (s.)				
71A0 Performing arts, spectator sports, and museums.....	7,918			7,918	Total	31,488			31,488
Spectator sports (s.)					6100 Educational services	22,871			22,871
Total	10,108			10,108	6240 Social assistance.....	8,617			8,617
5615 Travel arrangement and reservation services.....	488			488	Other private education and research (s.)				
6100 Educational services.....	3,550			3,550	Total	30,432			30,432
7130 Amusements, gambling, and recreation ...	4			4	5417 Scientific research and development services	8,649			8,649
71A0 Performing arts, spectator sports, and museums.....	6,066			6,066	6100 Educational services	20,200			20,200
Clubs and fraternal organizations (s.)					813A Religious, grantmaking, and social advocacy.....	1,584			1,584
Total	16,285			16,285	Religious and welfare activities (s.)				
7130 Amusements, gambling, and recreation ...	8,614			8,614	Total	132,279			132,279
813B Civic, social, professional and similar organizations	7,671			7,671	5141 Information services	2,000			2,000
Commercial participant amusements (s.)					6230 Nursing and residential care.....	14,341			14,341
Total	59,422			59,422	6240 Social assistance.....	55,939			55,939
4830 Water transportation	329			329	71A0 Performing arts, spectator sports, and museums.....	4,204			4,204
4850 Transit and ground passenger transportation	2,397			2,397	813A Religious, grantmaking, and social advocacy.....	52,253			52,253
48A0 Sightseeing transportation and transportation support	2,293			2,293	813B Civic, social, professional and similar organizations	3,543			3,543
5240 Insurance carriers and related services	40			40	Foreign travel by U.S. residents (s.)				
5324 Machinery and equipment rental and leasing	21			21	Total	64,694			64,694
532A Consumer goods and general rentals	910			910	4810 Air transportation	19,381			19,381
6100 Educational services.....	102			102	4830 Water transportation	4,266			4,266
7130 Amusements, gambling, and recreation ...	53,331			53,331	S003 Noncomparable imports.....	41,047			41,047
Pari-mutuel net receipts (s.)					Expenditures abroad by U.S. residents (n.d.)				
Total	4,018			4,018	Total	4,087			4,087
7130 Amusements, gambling, and recreation ...	1,499			1,499	S003 Noncomparable imports.....	4,087			4,087
71A0 Performing arts, spectator sports, and museums.....	2,518			2,518	Less: Expenditures in the United States by nonresidents (s.)				
Other recreational expenditures (s.)					Total	-88,883			-88,883
Total	105,754	76	775	106,605	S006 Rest of the world adjustment to final uses	-88,883			-88,883
1120 Animal products	1,293	76	508	1,877	Less: Personal remittances in-kind to nonresidents (n.d.)				
1140 Fish and other nonfarm animals	2,179			2,179	Total	-1,129			-1,129
1150 Agriculture and forestry support services.....	459			459	S006 Rest of the world adjustment to final uses	-1,129			-1,129
5131 Radio and television broadcasting.....	2,254			2,254	Total personal consumption expenditures.....	4,695,709	35,558	840,319	5,571,584
5132 Cable networks and program distribution	30,131			30,131	Total durable commodities (d.)	389,083	10,003	271,003	670,088
5141 Information services	4,124			4,124	Total nondurable commodities (n.d.)	1,020,963	25,427	567,888	1,614,276
5324 Machinery and equipment rental and leasing	71			71	Total services (s.).....	3,285,663	128	1,428	3,287,219
532A Consumer goods and general rentals	8,423			8,423					
5419 Other professional and technical services	14,725			14,725					

* Less than +/- \$500,000.

NOTE. Consumer durable goods are designated (d.), nondurable goods (n.d.), and services (s.).

**Appendix D. Input-Output Commodity Composition of NIPA Private Equipment and Software Expenditure Categories,
in Producers' and Purchasers' Prices, 1997 Benchmark Input-Output Accounts**

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Computers and peripheral equipment					3336 Turbine and power transmission equipment	3,423	34	79	3,535
Total	63,281	722	17,847	81,850	5413 Architectural and engineering services	219			219
3341 Computer and peripheral equipment	59,374	722	17,514	77,611	Metalworking machinery				
5415 Computer systems design and related services	3,987			3,987	Total	26,991	485	2,286	29,762
S004 Scrap, used and secondhand goods	-80		333	253	3335 Metalworking machinery	25,347	485	2,123	27,955
Communication equipment					5413 Architectural and engineering services	1,589			1,589
Total	72,908	413	6,787	80,107	S004 Scrap, used and secondhand goods	55		164	219
3341 Computer and peripheral equipment	59	3	7	70	Special industrial machinery, n.e.c.				
334A Audio, video, and communications equipment	52,196	277	5,472	57,945	Total	28,915	439	3,596	32,950
3345 Electronic instruments	10,750	128	1,281	12,159	3260 Plastics and rubber products	205	10	20	235
3359 Other electrical equipment and components	245	4	26	275	3322 Cutlery and handtools	45	(*)	13	58
336A Aerospace products and parts	81			81	3332 Industrial machinery	26,361	420	3,325	30,106
5133 Telecommunications	5,532			5,532	3333 Commercial and service industry machinery	480	9	146	635
5413 Architectural and engineering services	4,092			4,092	5413 Architectural and engineering services	1,818			1,818
S004 Scrap, used and secondhand goods	-47			-47	S004 Scrap, used and secondhand goods	6		92	98
Software					General industrial, including materials handling, equipment				
Total	96,245	19	1,725	97,988	Total	35,329	697	8,363	44,389
5112 Software	31,736	19	1,725	33,479	3331 Agriculture, construction, and mining machinery	46	2	8	56
5415 Computer systems design and related services	63,511			63,511	3334 HVAC and commercial refrigeration equipment	1,363	42	151	1,556
S003 Noncomparable imports	998			998	3339 Other general purpose machinery	31,655	652	7,047	39,355
Photocopy and related equipment					5413 Architectural and engineering services	2,332			2,332
Total	9,411	63	3,231	12,705	S004 Scrap, used and secondhand goods	-67		1,158	1,091
3333 Commercial and service industry machinery	8,707	63	3,231	12,001	Electrical transmission, distribution, and industrial apparatus				
5413 Architectural and engineering services	639			639	Total	17,399	283	1,676	19,358
S004 Scrap, used and secondhand goods	64			64	3345 Electronic instruments	6,859	48	86	6,994
Nonmedical instruments					3353 Electrical equipment	7,161	203	1,064	8,428
Total	14,772	86	1,753	16,610	3359 Other electrical equipment and components	2,345	32	525	2,902
3345 Electronic instruments	12,157	54	1,573	13,785	5413 Architectural and engineering services	1,035			1,035
3391 Medical equipment and supplies	1,692	31	179	1,902	Light trucks				
5413 Architectural and engineering services	868			868	Total	51,509	1,354	9,026	61,889
S004 Scrap, used and secondhand goods	55			55	3361 Motor vehicles	61,586	1,354	6,651	69,591
Office and accounting equipment					S004 Scrap, used and secondhand goods	-10,077		2,375	-7,702
Total	4,713	61	1,015	5,789	Other trucks, buses, and truck trailers				
3333 Commercial and service industry machinery	2,202	38	651	2,891	Total	21,095	375	2,572	24,042
3341 Computer and peripheral equipment	2,019	22	364	2,405	3361 Motor vehicles	13,836	285	1,646	15,767
5413 Architectural and engineering services	425			425	336A Motor vehicle bodies, trailers, and parts ..	7,292	91	842	8,224
S004 Scrap, used and secondhand goods	68			68	S004 Scrap, used and secondhand goods	-33		84	51
Medical equipment and instruments					Autos				
Total	21,985	145	4,404	26,534	Total	34,997	1,462	8,044	44,503
3345 Electronic instruments	8,553	64	1,484	10,101	3361 Motor vehicles	66,539	1,462	7,148	75,149
3391 Medical equipment and supplies	12,033	80	2,920	15,033	S004 Scrap, used and secondhand goods	-31,542		896	-30,646
5413 Architectural and engineering services	1,418			1,418	Aircraft				
S004 Scrap, used and secondhand goods	-19			-19	Total	14,054	66	1,292	15,412
Fabricated metal products					3345 Electronic instruments	529	6	63	598
Total	9,935	165	502	10,602	336A Motor vehicle bodies, trailers, and parts ..	363	3	6	372
2122 Metal ores	39	7	(*)	46	3364 Aerospace products and parts	13,837	57	185	14,079
3251 Basic chemicals	2,040			2,040	S004 Scrap, used and secondhand goods	-675		1,039	364
3322 Cutlery and handtools	244	3	66	313	Ships and boats				
3323 Architectural and structural metal products	464	3	28	495	Total	2,491	6	213	2,711
3324 Boilers, tanks, and shipping containers	4,061	46	76	4,184	336B Other transportation equipment	2,468	6	155	2,629
332B Other fabricated metal products	2,506	106	331	2,943	S004 Scrap, used and secondhand goods	24		58	82
3334 HVAC and commercial refrigeration equipment	8	(*)	1	10	Railroad equipment				
3370 Furniture and related products	10	1	(*)	11	Total	5,641	81	99	5,821
5413 Architectural and engineering services	562			562	336B Other transportation equipment	5,291	81	99	5,471
Engines and turbines					5413 Architectural and engineering services	308			308
Total	3,641	34	79	3,754	S004 Scrap, used and secondhand goods	42			42

* Less than \$500,000.

**Appendix D. Input-Output Commodity Composition of NIPA Private Equipment and Software Expenditure Categories,
in Producers' and Purchasers' Prices, 1997 Benchmark Input-Output Accounts—Continued**

[Millions of dollars]

NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
Mining and oilfield machinery					Furniture and fixtures				
Total.....	2,545	152	932	3,630	Total.....	23,304	333	6,515	30,153
2130 Mining support services.....	110			110	3370 Furniture and related products.....	21,802	333	6,325	28,460
3331 Agriculture, construction, and mining machinery.....	2,948	147	634	3,729	3399 Other miscellaneous manufactured products.....			3	15
3339 Other general purpose machinery.....	263	5	47	315	5413 Architectural and engineering services.....	1,564			1,564
5413 Architectural and engineering services.....	246			246	S004 Scrap, used and secondhand goods.....	-74		188	114
S004 Scrap, used and secondhand goods.....	-1,021		252	-770	Other nonresidential equipment				
Agricultural machinery					Total.....	19,438	1,162	8,436	29,037
Total.....	12,071	436	3,796	16,303	3130 Yarn, fabrics, and other textile mill products.....	1		1	2
3331 Agriculture, construction, and mining machinery.....	11,707	436	2,723	14,866	3140 Nonapparel textile products.....	2,061	105	1,233	3,399
5413 Architectural and engineering services.....	539			539	3210 Wood products.....	(*)			(*)
S004 Scrap, used and secondhand goods.....	-175		1,072	897	3260 Plastics and rubber products.....	36	2	24	61
Construction machinery					3322 Cutlery and handtools.....	14	(*)	18	32
Total.....	15,855	792	2,990	19,637	3331 Agriculture, construction, and mining machinery.....	5,502	106	5,309	10,918
3331 Agriculture, construction, and mining machinery.....	13,509	714	2,260	16,483	336A Motor vehicle bodies, trailers, and parts.....	620	13	185	818
3339 Other general purpose machinery.....	1,664	79	173	1,915	336B Other transportation equipment.....	1,654	64	563	2,281
5413 Architectural and engineering services.....	877			877	3399 Other miscellaneous manufactured products.....	8,231	873	1,096	10,200
S004 Scrap, used and secondhand goods.....	-195		558	362	5413 Architectural and engineering services.....	1,374			1,374
Electrical equipment, n.e.c.					S004 Scrap, used and secondhand goods.....	-56		8	-48
Total.....	3,060	92	499	3,652	Less: sale of equipment scrap, excluding autos				
3346 Magnetic media products.....	100	1	3	104	Total.....	-4,774			-4,774
3351 Electric lighting equipment.....	468	17	72	556	S004 Scrap, used and secondhand goods.....	-4,774			-4,774
3352 Household appliances.....	592	17	81	690	Residential equipment				
3359 Other electrical equipment and components.....	1,724	57	343	2,124	Total.....	4,056	166	1,993	6,216
5413 Architectural and engineering services.....	192			192	3140 Nonapparel textile products.....	843	43	505	1,391
S004 Scrap, used and secondhand goods.....	-14			-14	3260 Plastics and rubber products.....	25	1	134	159
Service industry machinery					334A Audio, video, and communications equipment.....	138	2	59	199
Total.....	12,072	257	2,628	14,957	3352 Household appliances.....	2,794	118	1,212	4,124
3333 Commercial and service industry machinery.....	5,954	116	1,695	7,766	3370 Furniture and related products.....	256	2	84	343
3334 HVAC and commercial refrigeration equipment.....	4,393	61	756	5,210	Total equipment and software.....	622,939	10,346	102,298	735,583
3339 Other general purpose machinery.....	959	80	177	1,215	Total nonresidential equipment and software.....	618,883	10,180	100,305	729,367
5413 Architectural and engineering services.....	727			727	Total residential equipment.....	4,056	166	1,993	6,216
S004 Scrap, used and secondhand goods.....	39			39					

* Less than \$500,000.

Appendix E. Relationship of Exports and Imports in the Input-Output Accounts to the National Income and Product Accounts, 1997

[Millions of dollars]

	Total	Goods	Services
Total exports, NIPAs.....	966,430	688,937	277,493
Less:			
U.S. merchandise returned.....	20,469	20,469	
Reexports.....	44,036	44,036	
Other transactions.....	276		276
Territorial adjustment differences ¹	1,105		1,105
Statistical differences, I-O ²	1,960	1,336	624
Plus:			
Exports identified in Census documents ³		10,494	-10,494
Equals: Exports, I-O.....	898,585	633,590	264,995
Total imports, NIPAs.....	1,055,757	885,058	170,699
Less:			
U.S. merchandise returned.....	20,469	20,469	
Reexports.....	44,036	44,036	
Other transactions.....	276		276
Territorial adjustment differences ¹	1,104		1,104
Statistical differences, I-O ²	125	-119	244
Plus:			
Imports identified in Census documents ³		451	-451
Equals: Imports, I-O.....	989,747	821,123	168,624

1. The NIPA and I-O accounts make a territorial adjustment to U.S. ITA exports and imports of services, based on Puerto Rico balance-of-payments accounts data. Differences between the NIPA and I-O territorial adjustments is a result of NIPA netting to parts of data. NIPA and I-O net exports for adjustment are identical.

2. Consists of statistical revisions in the ITA's that had not yet been incorporated in the NIPAs at the time of the release of the 1997 benchmark I-O accounts in late 2002.

3. Exports and imports of goods in the I-O accounts include Census identified military merchandise. The NIPAs include military merchandise in exports and imports of services, consistent with the U.S. ITA's inclusion of these exports in transfers under military agency contracts and in direct defense expenditures.

NIPA National income and product accounts
I-O Input-output accounts
ITA International transactions accounts

**Appendix F. Intermediate Inputs, Value Added, and Industry Output Before and After Redefinitions,
1997 Benchmark Input-Output Accounts**

[Millions of dollars]

Industry code	Industry description	Before redefinitions ¹			After redefinitions ²			Difference		
		Intermediate inputs	Value added	Industry output	Intermediate inputs	Value added	Industry output	Intermediate inputs	Value added	Industry output
		(1)	(2)	(3)	(4)	(5)	(6)	(7)=(1)-(4)	(8)=(2)-(5)	(9)=(3)-(6)
1110	Crop production	69,146	65,788	134,934	69,146	65,765	134,911	(*)	23	23
1120	Animal production	89,415	15,692	105,107	89,415	15,658	105,073	0	34	34
1130	Forestry and logging	13,799	14,317	28,115	13,799	13,854	27,652	0	463	463
1140	Fishing, hunting and trapping	2,705	3,343	6,048	2,706	3,343	6,048	(*)	(*)	0
1150	Agriculture and forestry support activities	5,826	6,510	12,335	5,789	6,807	12,596	37	-298	-261
2110	Oil and gas extraction	54,838	36,736	91,575	54,747	36,586	91,333	91	151	242
2121	Coal mining	12,546	10,862	23,408	12,544	10,772	23,316	2	90	92
2122	Metal ores mining	6,369	4,922	11,291	6,367	4,860	11,227	2	62	64
2123	Nonmetallic mineral mining and quarrying	7,800	9,382	17,181	7,798	9,363	17,161	2	19	20
2130	Support activities for mining	14,368	10,831	25,198	14,365	10,589	24,954	3	241	244
2211	Power generation and supply	85,670	139,855	225,526	79,964	132,997	212,961	5,706	6,859	12,565
2212	Natural gas distribution	37,277	19,332	56,609	35,867	17,547	53,413	1,410	1,785	3,196
2213	Water, sewage and other systems	2,137	3,986	6,123	2,067	3,837	5,904	70	149	220
2301	New residential construction	136,837	94,163	231,000	165,540	96,242	261,781	-28,703	-2,079	-30,782
2302	New nonresidential construction	177,862	160,283	338,145	190,895	178,775	369,670	-13,033	-18,492	-31,524
2303	Maintenance and repair construction	54,638	46,427	101,065	73,795	48,845	122,640	-19,157	-2,418	-21,575
3110	Food manufacturing	309,485	101,037	410,522	317,165	100,969	418,134	-7,680	68	-7,612
3121	Beverage manufacturing	40,657	26,358	67,015	40,653	25,381	66,034	5	977	981
3122	Tobacco manufacturing	18,383	23,229	41,612	18,686	23,003	41,689	-304	226	-78
3130	Textile mills	43,325	15,016	58,341	43,315	14,913	58,228	10	103	114
3140	Textile product mills	20,747	10,281	31,028	20,740	10,152	30,892	7	129	136
3150	Apparel manufacturing	42,870	23,970	66,840	43,073	23,097	66,170	-203	873	670
3160	Leather and allied product manufacturing	6,936	3,395	10,331	6,935	3,041	9,977	1	353	354
3210	Wood product manufacturing	62,909	25,756	88,665	62,902	25,118	88,019	8	638	646
3221	Pulp, paper, and paperboard mills	46,759	24,672	71,431	46,746	24,506	71,252	13	166	179
3222	Converted paper product manufacturing	53,522	23,751	77,273	53,511	23,158	76,669	11	593	604
3230	Printing and related support activities	54,956	42,720	97,676	54,874	41,394	96,269	81	1,326	1,407
3240	Petroleum and coal products manufacturing	154,598	19,796	174,393	154,534	19,184	173,718	64	612	676
3251	Basic chemical manufacturing	83,007	30,912	113,919	82,984	30,099	113,083	23	813	836
3252	Resin, rubber, and artificial fibers manufacturing	47,528	16,669	64,197	47,517	16,542	64,060	11	127	138
3253	Agricultural chemical manufacturing	16,089	7,920	24,009	16,087	7,640	23,727	2	280	282
3254	Pharmaceutical and medicine manufacturing	52,218	37,526	89,743	52,131	32,742	84,873	87	4,784	4,871
3255	Paint, coating, and adhesive manufacturing	17,194	8,565	25,759	17,191	7,926	25,117	2	639	642
3256	Soap, cleaning compound, and toiletry manufacturing	29,785	23,215	53,001	29,769	20,631	50,400	16	2,584	2,600
3259	Other chemical product and preparation manufacturing	24,198	13,718	37,916	24,189	13,316	37,505	8	402	411
3260	Plastics and rubber products manufacturing	97,063	60,535	157,597	97,012	59,097	156,109	51	1,438	1,488
3270	Nonmetallic mineral product manufacturing	46,130	39,768	85,898	46,123	38,894	85,017	7	875	882
331A	Iron and steel mills and forming steel products	57,563	19,766	77,329	57,476	19,500	76,975	87	267	354
331B	Nonferrous metal production and processing	51,486	10,796	62,282	51,479	10,587	62,065	8	150	217
3315	Foundries	17,088	11,680	28,768	17,084	11,531	28,615	4	210	154
3321	Forging and stamping	13,707	10,385	24,092	13,703	10,216	23,919	3	169	172
3322	Cutlery and handtool manufacturing	5,327	5,741	11,068	5,325	5,408	10,733	2	333	335
3323	Architectural and structural metals manufacturing	28,648	23,290	51,938	28,637	22,734	51,371	11	557	567
3324	Boiler, tank, and shipping container manufacturing	15,312	7,271	22,583	15,310	7,136	22,446	2	134	136
332A	Ordinance and accessories manufacturing	2,625	2,987	5,612	2,620	2,958	5,578	5	30	35
332B	Other fabricated metal product manufacturing	61,869	61,954	123,823	61,833	60,159	121,993	36	1,794	1,830
3331	Agriculture, construction, and mining machinery	34,991	17,246	52,237	34,975	16,512	51,488	16	733	749
3332	Industrial machinery manufacturing	21,199	13,935	35,133	21,183	12,940	34,123	16	994	1,011
3333	Commercial and service industry machinery	16,268	8,443	24,711	16,272	8,149	24,421	-4	294	290
3334	HVAC and commercial refrigeration equipment	19,641	10,053	29,694	19,630	9,787	29,417	11	266	277
3335	Metalworking machinery manufacturing	14,978	14,865	29,843	14,944	14,403	29,347	35	462	497
3336	Turbine and power transmission equipment manufacturing	18,090	11,234	29,323	18,081	10,960	29,040	9	274	283
3339	Other general purpose machinery manufacturing	34,749	24,818	59,568	34,732	24,012	58,744	17	806	824
3341	Computer and peripheral equipment manufacturing	83,329	18,490	101,819	82,965	15,862	98,826	364	2,629	2,993
334A	Audio, video, and communications equipment manufacturing	56,283	33,833	90,116	56,334	32,205	88,538	-51	1,629	1,578
3344	Semiconductor and electronic component manufacturing	70,102	67,178	137,280	69,887	66,064	135,951	215	1,114	1,329
3345	Electronic instrument manufacturing	47,734	39,821	87,554	47,606	38,709	86,315	128	1,112	1,239
3346	Magnetic media manufacturing and reproducing	5,574	4,097	9,671	5,568	4,015	9,583	6	81	88
3351	Electric lighting equipment manufacturing	7,575	4,709	12,284	7,572	4,541	12,113	2	168	170
3352	Household appliance manufacturing	14,531	6,101	20,632	14,522	5,834	20,355	9	268	277
3353	Electrical equipment manufacturing	21,684	13,364	35,048	21,659	12,875	34,534	26	489	514
3359	Other electrical equipment and component manufacturing	25,365	15,787	41,152	25,354	15,430	40,784	10	357	368
3361	Motor vehicle manufacturing	185,864	34,540	220,404	185,817	34,388	220,205	46	152	199
336A	Motor vehicle body, trailer, and parts manufacturing	142,021	55,196	197,216	142,040	53,752	195,792	-19	1,444	1,425
3364	Aerospace product and parts manufacturing	76,012	41,324	117,336	75,773	40,412	116,185	238	913	1,151
336B	Other transportation equipment manufacturing	21,351	11,791	33,142	21,346	11,498	32,843	6	293	299
3370	Furniture and related product manufacturing	36,140	27,431	63,571	36,126	26,588	62,714	14	842	857
3391	Medical equipment and supplies manufacturing	21,086	23,018	44,104	21,047	21,542	42,588	39	1,477	1,516
3399	Other miscellaneous manufacturing	34,331	23,856	58,187	36,499	22,714	59,212	-2,168	1,143	-1,025

**Appendix F. Intermediate Inputs, Value Added, and Industry Output Before and After Redefinitions,
1997 Benchmark Input-Output Accounts—Continued**
[Millions of dollars]

Industry code	Industry description	Before redefinitions ¹			After redefinitions ²			Difference		
		Intermediate inputs	Value added	Industry output	Intermediate inputs	Value added	Industry output	Intermediate inputs	Value added	Industry output
		(1)	(2)	(3)	(4)	(5)	(6)	(7)=(1)-(4)	(8)=(2)-(5)	(9)=(3)-(6)
4200	Wholesale trade	274,236	490,506	764,742	248,964	503,890	752,854	25,272	-13,385	11,888
4A00	Retail trade	330,447	477,609	808,056	286,829	442,995	729,824	43,617	34,615	78,232
4810	Air transportation	75,697	43,929	119,626	75,651	43,794	119,445	46	136	181
4820	Rail transportation	19,015	23,247	42,262	16,935	21,032	37,967	2,079	2,215	4,295
4830	Water transportation	18,507	6,083	24,589	18,430	5,967	24,397	77	116	193
4840	Truck transportation	87,749	81,335	169,084	87,978	81,418	169,397	-229	-84	-313
4850	Transit and ground passenger transportation	8,729	15,984	24,713	8,721	15,905	24,626	8	79	87
4860	Pipeline transportation	18,979	8,527	27,507	18,866	8,418	27,284	113	109	222
48A0	Sightseeing transportation and transportation support	21,585	21,169	42,754	22,707	21,631	44,338	-1,122	-462	-1,584
4920	Couriers and messengers	14,298	27,677	41,975	14,251	27,535	41,786	47	142	189
4930	Warehousing and storage	8,431	18,780	27,211	9,264	19,959	29,223	-834	-1,179	-2,012
5111	Newspaper, book, and directory publishers	48,861	68,221	117,082	48,698	64,845	113,543	163	3,376	3,539
5112	Software publishers	22,356	43,831	66,187	20,496	40,881	61,377	1,860	2,950	4,810
5120	Motion picture and sound recording industries	35,662	25,695	61,357	35,632	25,540	61,172	30	156	186
5131	Radio and television broadcasting	27,473	13,896	41,369	27,465	13,807	41,272	8	89	97
5132	Cable networks and program distribution	24,224	22,316	46,540	23,957	21,217	45,175	267	1,099	1,365
5133	Telecommunications	126,507	162,305	288,812	122,658	154,946	277,605	3,849	7,359	11,208
5141	Information services	4,728	7,082	11,810	4,717	6,987	11,704	11	95	106
5142	Data processing services	12,102	23,307	35,409	12,253	23,559	35,812	-151	-252	-403
52A0	Monetary authorities and credit intermediation	139,868	341,653	481,521	136,279	332,025	468,304	3,589	9,629	13,217
5230	Securities, commodity contracts, investments	88,784	110,673	199,457	88,258	109,816	198,075	526	856	1,383
5240	Insurance carriers and related activities	170,862	172,599	343,461	169,507	170,509	340,015	1,355	2,090	3,446
5250	Funds, trusts, and other financial vehicles	59,688	4,646	64,333	59,676	4,625	64,300	12	21	33
5310	Real estate	186,726	424,413	611,139	184,853	422,619	607,472	1,873	1,794	3,667
S008	Owner-occupied dwellings	119,210	516,726	635,937	76,132	516,730	592,862	43,079	-4	43,075
5321	Automotive equipment rental and leasing	9,679	21,041	30,719	12,702	29,460	42,162	-3,024	-8,419	-11,443
532A	Consumer goods and general rental centers	6,485	12,670	19,154	7,844	17,623	25,466	-1,359	-4,953	-6,312
5324	Machinery and equipment rental and leasing	8,042	22,733	30,775	10,013	31,072	41,085	-1,971	-8,338	-10,310
5330	Lessors of nonfinancial intangible assets	3,646	98,377	102,023	3,642	98,366	102,007	4	11	15
5411	Legal services	42,257	109,839	152,096	42,235	109,805	152,041	21	34	55
5412	Accounting and bookkeeping services	19,342	52,744	72,086	19,158	52,275	71,433	184	469	653
5413	Architectural and engineering services	38,805	92,615	131,420	38,598	92,538	131,136	207	77	284
5414	Specialized design services	6,281	11,570	17,851	6,266	11,473	17,739	15	97	112
5415	Computer systems design and related services	33,317	68,100	101,417	49,398	89,866	139,264	-16,082	-21,766	-37,847
5416	Management and technical consulting services	24,788	61,390	86,178	24,484	60,579	85,063	304	811	1,115
5417	Scientific research and development services	22,076	38,123	60,198	22,612	40,728	63,340	-537	-2,605	-3,142
5418	Advertising and related services	20,692	37,237	57,929	20,626	37,087	57,713	66	150	216
5419	Other professional and technical services	19,195	44,242	63,437	19,267	41,436	60,703	-71	2,806	2,734
5500	Management of companies and enterprises	94,229	225,539	319,768	93,394	222,103	315,497	835	3,436	4,271
5613	Employment services	8,839	81,510	90,349	8,159	80,494	88,653	680	1,016	1,696
5615	Travel arrangement and reservation services	11,609	13,581	25,190	11,592	13,505	25,097	17	77	93
561A	All other administrative and support services	60,675	129,637	190,312	60,801	129,122	189,923	-126	515	389
5620	Waste management and remediation services	19,795	22,163	41,959	19,756	21,934	41,690	39	229	269
6100	Educational services	48,730	62,779	111,509	42,642	59,050	101,692	6,088	3,729	9,817
6210	Ambulatory health care services	118,169	262,939	381,108	119,296	260,774	380,070	-1,127	2,165	1,038
6220	Hospitals	123,287	152,101	275,388	120,228	147,107	267,335	3,059	4,994	8,053
6230	Nursing and residential care facilities	34,437	57,784	92,222	34,954	58,628	93,582	-516	-844	-1,360
6240	Social assistance	29,967	36,918	66,885	29,884	36,398	66,282	84	519	603
71A0	Performing arts, spectator sports, and museums	25,277	30,141	55,418	25,076	28,842	53,918	201	1,298	1,500
7130	Amusements, gambling, and recreation	26,405	45,417	71,822	25,617	53,871	79,488	789	-8,454	-7,666
7210	Accommodation	36,890	76,694	113,584	26,055	52,900	78,955	10,835	23,794	34,629
7220	Food services and drinking places	150,142	149,627	299,769	176,478	167,856	344,334	-26,336	-18,229	-44,565
8111	Automotive repair and maintenance	41,895	43,023	84,918	68,637	77,014	145,651	-26,742	-33,991	-60,732
811A	Electronic, commercial, and household goods repair	19,542	35,966	55,508	35,372	59,216	94,589	-15,830	-23,250	-39,080
8120	Personal and laundry services	36,261	55,554	91,814	37,297	57,966	95,262	-1,036	-2,412	-3,448
813A	Religious, grantmaking, and social advocacy organizations	18,431	36,421	54,852	18,305	36,071	54,376	126	349	476
813B	Civic, social, professional and similar organizations	25,506	23,189	48,695	24,014	21,067	45,081	1,491	2,123	3,614
8140	Private households .....	.....	12,035	12,035	.....	12,035	12,035	.....	0	0
S001	Federal Government enterprises	15,313	59,309	74,622	15,313	59,309	74,622	0	0	0
S002	State and local government enterprises	64,005	60,351	124,356	64,005	60,351	124,356	(*)	(*)	0
S005	General government industry	6,394	944,633	951,027	3	937,809	937,812	6,392	6,824	13,216
S007	Inventory valuation adjustment .....	.....	9,211	9,211	.....	9,211	9,211	.....	0	0
	Total	6,517,231	8,345,646	14,862,876	6,517,231	8,345,646	14,862,876	0	0	0

* Less than \$500,000

1. The industries are based on the standard I-O tables, which are before redefinitions of secondary products. See box "Treatment of Secondary Products" on page 27.

2. The industries are based on the supplementary I-O tables, which are after redefinitions of secondary products. See box "Treatment of Secondary Products" on page 27.

Industries Before Redefinitions, 1997

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Crop products	Animal products	Forestry and logging products	Fish and other nonfarm animals	Agriculture and forestry support services	Oil and gas	Coal	Metal ores	Non-metallic minerals	Mining support services
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	1110	1120	1130	1140	1150	2110	2121	2122	2123	2130
4200	Wholesale trade					556					
4A00	Retail trade										
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation										
4840	Truck transportation										
4850	Transit and ground passenger transportation										
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support										
4920	Couriers and messengers										
4930	Warehousing and storage										
5111	Newspaper, book, and directory publishers										
5112	Software publishers										
5120	Motion picture and sound recording industries										
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications										
5141	Information services										
5142	Data processing services										
52A0	Monetary authorities and credit intermediation										
5230	Securities, commodity contracts, investments										
5240	Insurance carriers and related activities										
5250	Funds, trusts, and other financial vehicles										
5310	Real estate										
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers										
532A	Machinery and equipment rental and leasing										
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services										
5413	Architectural and engineering services										
5414	Specialized design services										
5415	Computer systems design and related services										
5416	Management and technical consulting services										
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services										
5620	Waste management and remediation services						410				
6100	Educational services										
6210	Ambulatory health care services										
6220	Hospitals										
6230	Nursing and residential care facilities										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums										
7130	Amusements, gambling, and recreation										
7210	Accommodation										
7220	Food services and drinking places										
8111	Automotive repair and maintenance										
811A	Electronic, commercial, and household goods repair										
8120	Personal and laundry services										
813A	Religious, grantmaking, and social advocacy organizations										
813B	Civic, social, professional and similar organizations										
8140	Private households										
S001	Federal Government enterprises										
S002	State and local government enterprises										
S005	General government industry										
S007	Inventory valuation adjustment										
	Total commodity output	132,679	103,729	27,642	6,050	14,967	84,179	23,292	11,229	15,837	25,220

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Electric power	Natural gas distribution	Water and sewage treatment	New residential construction	New non-residential construction	Maintenance and repair construction	Food products	Beverage products	Tobacco products	Yarn, fabrics, and other textile mill products
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	2211	2212	2213	2301	2302	2303	3110	3121	3122	3130
1110	Crop production.....					23					
1120	Animal production.....					34		19			
1130	Forestry and logging.....					8					
1140	Fishing, hunting and trapping.....										
1150	Agriculture and forestry support activities.....							293			
2110	Oil and gas extraction.....					13					
2121	Coal mining.....					35					
2122	Metal ores mining.....					55					
2123	Nonmetallic mineral mining and quarrying.....					5					
2130	Support activities for mining.....										
2211	Power generation and supply.....	192,675	18,354	1,932		11,890					
2212	Natural gas distribution.....		50,244	11		3,121					
2213	Water, sewage and other systems.....			5,175		215					
2301	New residential construction.....				231,000						
2302	New nonresidential construction.....					338,145					
2303	Maintenance and repair construction.....						101,065				
3110	Food manufacturing.....					53		403,978	793		
3121	Beverage manufacturing.....					12		755	65,279		
3122	Tobacco manufacturing.....					1				41,275	
3130	Textile mills.....					14					53,117
3140	Textile product mills.....					8					634
3150	Apparel manufacturing.....					1					185
3160	Leather and allied product manufacturing.....										32
3210	Wood product manufacturing.....					31					
3221	Pulp, paper, and paperboard mills.....	259				1					61
3222	Converted paper product manufacturing.....					2					6
3230	Printing and related support activities.....					55					7
3240	Petroleum and coal products manufacturing.....					265					107
3251	Basic chemical manufacturing.....					45		7	112		
3252	Resin, rubber, and artificial fibers manufacturing.....					24					
3253	Agricultural chemical manufacturing.....					9		25			
3254	Pharmaceutical and medicine manufacturing.....										
3255	Paint, coating, and adhesive manufacturing.....					3					
3256	Soap, cleaning compound, and toiletry manufacturing.....					5					
3259	Other chemical product and preparation manufacturing.....					8		80			
3260	Plastics and rubber products manufacturing.....					40					82
3270	Nonmetallic mineral product manufacturing.....					16		1			56
331A	Iron and steel mills and forming steel products.....					167					
331B	Nonferrous metal production and processing.....					10					
3315	Foundries.....					6					
3321	Forging and stamping.....					17					
3322	Cutlery and handtool manufacturing.....					4					
3323	Architectural and structural metals manufacturing.....					41					
3324	Boiler, tank, and shipping container manufacturing.....					5					
332A	Ordinance and accessories manufacturing.....					5					
332B	Other fabricated metal product manufacturing.....					24					4
3331	Agriculture, construction, and mining machinery.....					6					
3332	Industrial machinery manufacturing.....					2					
3333	Commercial and service industry machinery.....					4					
3334	HVAC and commercial refrigeration equipment.....					3					
3335	Metalworking machinery manufacturing.....					2					
3336	Turbine and power transmission equipment manufacturing.....					2					
3339	Other general purpose machinery manufacturing.....					7					
3341	Computer and peripheral equipment manufacturing.....					5					
334A	Audio, video, and communications equipment manufacturing.....					13					
3344	Semiconductor and electronic component manufacturing.....					17					
3345	Electronic instrument manufacturing.....					20					
3346	Magnetic media manufacturing and reproducing.....					5					
3351	Electric lighting equipment manufacturing.....					12					
3352	Household appliance manufacturing.....					11					
3353	Electrical equipment manufacturing.....					35					
3359	Other electrical equipment and component manufacturing.....					27					
3361	Motor vehicle manufacturing.....					45					
336A	Motor vehicle body, trailer, and parts manufacturing.....					54					
3364	Aerospace product and parts manufacturing.....					31					8
336B	Other transportation equipment manufacturing.....					39					
3370	Furniture and related product manufacturing.....					20					
3391	Medical equipment and supplies manufacturing.....					6					48
3399	Other miscellaneous manufacturing.....					24					

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Electric power	Natural gas distribution	Water and sewage treatment	New residential construction	New non-residential construction	Maintenance and repair construction	Food products	Beverage products	Tobacco products	Yarn, fabrics, and other textile mill products
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	2211	2212	2213	2301	2302	2303	3110	3121	3122	3130
4200	Wholesale trade					196		5,414		414	
4A00	Retail trade					1,453		5,808			
4810	Air transportation					68					
4820	Rail transportation					600	3,443				
4830	Water transportation										
4840	Truck transportation										
4850	Transit and ground passenger transportation										
4860	Pipeline transportation		2,777			408					
48A0	Sightseeing transportation and transportation support										
4920	Couriers and messengers										
4930	Warehousing and storage										
5111	Newspaper, book, and directory publishers					11					
5112	Software publishers										
5120	Motion picture and sound recording industries					51					
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications					4,935					
5141	Information services										
5142	Data processing services										
52A0	Monetary authorities and credit intermediation					234					
5230	Securities, commodity contracts, investments					91					
5240	Insurance carriers and related activities					12					
5250	Funds, trusts, and other financial vehicles										
5310	Real estate				3,148	522					
S008	Owner-occupied dwellings				26,505		16,570				
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers					5					
532A	Machinery and equipment rental and leasing					21					
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services					14					
5413	Architectural and engineering services					7					
5414	Specialized design services										
5415	Computer systems design and related services										
5416	Management and technical consulting services					3					
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services					50					
5620	Waste management and remediation services					201					
6100	Educational services				42	207					
6210	Ambulatory health care services										
6220	Hospitals					259					
6230	Nursing and residential care facilities					198					
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums					502					
7130	Amusements, gambling, and recreation					18					
7210	Accommodation					865					
7220	Food services and drinking places					35					
8111	Automotive repair and maintenance					67					
811A	Electronic, commercial, and household goods repair					3					
8120	Personal and laundry services					25					
813A	Religious, grantmaking, and social advocacy organizations					249					
813B	Civic, social, professional and similar organizations										
8140	Private households										
S001	Federal Government enterprises	8,308									
S002	State and local government enterprises	22,174	4,118	27,590							
S005	General government industry				1,087	3,557	1,562				
S007	Inventory valuation adjustment										
	Total commodity output	223,416	75,493	34,708	261,781	369,670	122,640	416,380	66,184	41,689	54,347

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Nonapparel textile products	Apparel	Leather and allied products	Wood products	Pulp, paper, and paperboard	Converted paper products	Printed products	Petroleum and coal products	Basic chemicals	Resins, rubber, and artificial fibers
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	3140	3150	3160	3210	3221	3222	3230	3240	3251	3252
1110	Crop production.....										
1120	Animal production.....										
1130	Forestry and logging.....				45						
1140	Fishing, hunting and trapping.....										
1150	Agriculture and forestry support activities.....										
2110	Oil and gas extraction.....								7,679	67	
2121	Coal mining.....										
2122	Metal ores mining.....										
2123	Nonmetallic mineral mining and quarrying.....								109	1,693	
2130	Support activities for mining.....										
2211	Power generation and supply.....										
2212	Natural gas distribution.....										
2213	Water, sewage and other systems.....										
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....										
3110	Food manufacturing.....	8		240						1,288	
3121	Beverage manufacturing.....										
3122	Tobacco manufacturing.....										
3130	Textile mills.....	1,677	45			81	56		14		3,120
3140	Textile product mills.....	29,045	556	1			4	156			250
3150	Apparel manufacturing.....	1,073	64,256	84				84			
3160	Leather and allied product manufacturing.....	5	29	9,887							
3210	Wood product manufacturing.....				87,366						
3221	Pulp, paper, and paperboard mills.....				150	68,733	1,845			202	
3222	Converted paper product manufacturing.....				124	2,050	71,704	231			
3230	Printing and related support activities.....	34	587	30			161	68,389			
3240	Petroleum and coal products manufacturing.....					20			162,085	10,563	
3251	Basic chemical manufacturing.....								3,327	100,913	5,995
3252	Resin, rubber, and artificial fibers manufacturing.....									6,194	57,001
3253	Agricultural chemical manufacturing.....						29			792	
3254	Pharmaceutical and medicine manufacturing.....									168	85
3255	Paint, coating, and adhesive manufacturing.....									40	402
3256	Soap, cleaning compound, and toiletry manufacturing.....								209	381	76
3259	Other chemical product and preparation manufacturing.....					5			69	810	330
3260	Plastics and rubber products manufacturing.....	128			99		630	7			507
3270	Nonmetallic mineral product manufacturing.....					93	221		74		
331A	Iron and steel mills and forming steel products.....										
331B	Nonferrous metal production and processing.....						130			604	
3315	Foundries.....										
3321	Forging and stamping.....										
3322	Cutlery and handtool manufacturing.....				2						
3323	Architectural and structural metals manufacturing.....				41						
3324	Boiler, tank, and shipping container manufacturing.....										
332A	Ordnance and accessories manufacturing.....										
332B	Other fabricated metal product manufacturing.....							63			
3331	Agriculture, construction, and mining machinery.....										
3332	Industrial machinery manufacturing.....						37				
3333	Commercial and service industry machinery.....						53				
3334	HVAC and commercial refrigeration equipment.....										
3335	Metalworking machinery manufacturing.....										
3336	Turbine and power transmission equipment manufacturing.....										
3339	Other general purpose machinery manufacturing.....										
3341	Computer and peripheral equipment manufacturing.....										
334A	Audio, video, and communications equipment manufacturing.....										
3344	Semiconductor and electronic component manufacturing.....										
3345	Electronic instrument manufacturing.....										
3346	Magnetic media manufacturing and reproducing.....										
3351	Electric lighting equipment manufacturing.....			17							
3352	Household appliance manufacturing.....	161									
3353	Electrical equipment manufacturing.....										
3359	Other electrical equipment and component manufacturing.....								53		
3361	Motor vehicle manufacturing.....										
336A	Motor vehicle body, trailer, and parts manufacturing.....	11									
3364	Aerospace product and parts manufacturing.....										
336B	Other transportation equipment manufacturing.....										
3370	Furniture and related product manufacturing.....	24			223						
3391	Medical equipment and supplies manufacturing.....						487				
3399	Other miscellaneous manufacturing.....				286		33	112	3		

Industries Before Redefinitions, 1997—Continued
at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Nonapparel textile products	Apparel	Leather and allied products	Wood products	Pulp, paper, and paper-board	Converted paper products	Printed products	Petroleum and coal products	Basic chemicals	Resins, rubber, and artificial fibers
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	3140	3150	3160	3210	3221	3222	3230	3240	3251	3252
4200	Wholesale trade										
4A00	Retail trade		360					62			
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation										
4840	Truck transportation										
4850	Transit and ground passenger transportation										
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support										
4920	Couriers and messengers										
4930	Warehousing and storage										
5111	Newspaper, book, and directory publishers							1,251			
5112	Software publishers										
5120	Motion picture and sound recording industries										
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications										
5141	Information services										
5142	Data processing services										
52A0	Monetary authorities and credit intermediation										
5230	Securities, commodity contracts, investments										
5240	Insurance carriers and related activities										
5250	Funds, trusts, and other financial vehicles										
5310	Real estate										
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers										
532A	Machinery and equipment rental and leasing										
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services										
5413	Architectural and engineering services										
5414	Specialized design services										
5415	Computer systems design and related services										
5416	Management and technical consulting services										
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services										
5620	Waste management and remediation services										
6100	Educational services										
6210	Ambulatory health care services										
6220	Hospitals										
6230	Nursing and residential care facilities										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums										
7130	Amusements, gambling, and recreation										
7210	Accommodation										
7220	Food services and drinking places										
8111	Automotive repair and maintenance										
811A	Electronic, commercial, and household goods repair										
8120	Personal and laundry services										
813A	Religious, grantmaking, and social advocacy organizations										
813B	Civic, social, professional and similar organizations										
8140	Private households										
S001	Federal Government enterprises										
S002	State and local government enterprises										
S005	General government industry										
S007	Inventory valuation adjustment										
	Total commodity output	32,166	65,833	10,259	88,336	70,982	75,390	70,355	173,622	123,715	67,765

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Agricultural chemicals	Pharmaceuticals and medicines	Paints, coatings, and adhesives	Soaps, cleaning compounds, and toiletries	Other chemical products	Plastics and rubber products	Non-metallic mineral products	Primary ferrous metal products	Primary nonferrous metal products	Foundry products
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	3253	3254	3255	3256	3259	3260	3270	331A	331B	3315
1110	Crop production.....										
1120	Animal production.....										
1130	Forestry and logging.....										
1140	Fishing, hunting and trapping.....										
1150	Agriculture and forestry support activities.....										
2110	Oil and gas extraction.....										
2121	Coal mining.....										
2122	Metal ores mining.....										
2123	Nonmetallic mineral mining and quarrying.....							193			
2130	Support activities for mining.....										
2211	Power generation and supply.....										
2212	Natural gas distribution.....										
2213	Water, sewage and other systems.....										
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....										
3110	Food manufacturing.....		270			34	8				
3121	Beverage manufacturing.....										
3122	Tobacco manufacturing.....										
3130	Textile mills.....						118				
3140	Textile product mills.....						63				
3150	Apparel manufacturing.....						27				
3160	Leather and allied product manufacturing.....						21				
3210	Wood product manufacturing.....						304				
3221	Pulp, paper, and paperboard mills.....										
3222	Converted paper product manufacturing.....			126	187	152	1,012				
3230	Printing and related support activities.....						13				
3240	Petroleum and coal products manufacturing.....			21	52	134		87	451		
3251	Basic chemical manufacturing.....	1,168	75	80	911	491		4			
3252	Resin, rubber, and artificial fibers manufacturing.....			352	92	15	395				
3253	Agricultural chemical manufacturing.....	22,822	26		30			3			
3254	Pharmaceutical and medicine manufacturing.....	55	83,967		548						
3255	Paint, coating, and adhesive manufacturing.....			24,528	8	119	3	17			
3256	Soap, cleaning compound, and toiletry manufacturing.....	379	175	75	48,761	253	15	76			
3259	Other chemical product and preparation manufacturing.....	12		235	262	34,898	169	16			
3260	Plastics and rubber products manufacturing.....			157	4	145	151,870	23			
3270	Nonmetallic mineral product manufacturing.....			170	53	47	234	83,300		12	1
331A	Iron and steel mills and forming steel products.....				1		3		75,748	152	3
331B	Nonferrous metal production and processing.....							1	8	60,014	
3315	Foundries.....									3	27,985
3321	Forging and stamping.....						28				
3322	Cutlery and handtool manufacturing.....					59		4			
3323	Architectural and structural metals manufacturing.....						288	33		56	
3324	Boiler, tank, and shipping container manufacturing.....						112				
332A	Ordinance and accessories manufacturing.....										
332B	Other fabricated metal product manufacturing.....						205		4,022	106	74
3331	Agriculture, construction, and mining machinery.....										
3332	Industrial machinery manufacturing.....						3				
3333	Commercial and service industry machinery.....				17	344	53				
3334	HVAC and commercial refrigeration equipment.....										
3335	Metalworking machinery manufacturing.....						56	132			2
3336	Turbine and power transmission equipment manufacturing.....										
3339	Other general purpose machinery manufacturing.....			2							72
3341	Computer and peripheral equipment manufacturing.....							5			
334A	Audio, video, and communications equipment manufacturing.....										
3344	Semiconductor and electronic component manufacturing.....										
3345	Electronic instrument manufacturing.....		252								
3346	Magnetic media manufacturing and reproducing.....										
3351	Electric lighting equipment manufacturing.....						22				
3352	Household appliance manufacturing.....						1				
3353	Electrical equipment manufacturing.....										
3359	Other electrical equipment and component manufacturing.....					15	68	217	182	897	
3361	Motor vehicle manufacturing.....										
336A	Motor vehicle body, trailer, and parts manufacturing.....						12				
3364	Aerospace product and parts manufacturing.....										
336B	Other transportation equipment manufacturing.....										
3370	Furniture and related product manufacturing.....					3	84	119			
3391	Medical equipment and supplies manufacturing.....		243				49				
3399	Other miscellaneous manufacturing.....					15	330	203			

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Agricultural chemicals	Pharmaceuticals and medicines	Paints, coatings, and adhesives	Soaps, cleaning compounds, and toiletries	Other chemical products	Plastics and rubber products	Non-metallic mineral products	Primary ferrous metal products	Primary nonferrous metal products	Foundry products
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	3253	3254	3255	3256	3259	3260	3270	331A	331B	3315
4200	Wholesale trade										
4A00	Retail trade										
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation										
4840	Truck transportation										
4850	Transit and ground passenger transportation										
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support										
4920	Couriers and messengers										
4930	Warehousing and storage										
5111	Newspaper, book, and directory publishers										
5112	Software publishers										
5120	Motion picture and sound recording industries										
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications										
5141	Information services										
5142	Data processing services										
52A0	Monetary authorities and credit intermediation										
5230	Securities, commodity contracts, investments										
5240	Insurance carriers and related activities										
5250	Funds, trusts, and other financial vehicles										
5310	Real estate										
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers										
532A	Machinery and equipment rental and leasing										
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services										
5413	Architectural and engineering services										
5414	Specialized design services										
5415	Computer systems design and related services										
5416	Management and technical consulting services										
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services										
5620	Waste management and remediation services										
6100	Educational services										
6210	Ambulatory health care services										
6220	Hospitals										
6230	Nursing and residential care facilities										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums										
7130	Amusements, gambling, and recreation										
7210	Accommodation										
7220	Food services and drinking places										
8111	Automotive repair and maintenance										
811A	Electronic, commercial, and household goods repair										
8120	Personal and laundry services										
813A	Religious, grantmaking, and social advocacy organizations										
813B	Civic, social, professional and similar organizations										
8140	Private households										
S001	Federal Government enterprises										
S002	State and local government enterprises							55			
S005	General government industry										
S007	Inventory valuation adjustment										
	Total commodity output	24,436	85,008	25,746	50,926	36,724	155,566	84,489	80,411	61,240	28,137

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Forgings and stampings	Cutlery and handtools	Architectural and structural metal products	Boilers, tanks, and shipping containers	Ordnance and accessories	Other fabricated metal products	Agriculture, construction, and mining machinery	Industrial machinery	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metalworking machinery
	For the distribution of commodities produced by an industry, read the row for that industry											
	Commodity number	3321	3322	3323	3324	332A	332B	3331	3332	3333	3334	3335
1110	Crop production.....											
1120	Animal production.....											
1130	Forestry and logging.....											
1140	Fishing, hunting and trapping.....											
1150	Agriculture and forestry support activities.....											
2110	Oil and gas extraction.....											
2121	Coal mining.....											
2122	Metal ores mining.....											
2123	Nonmetallic mineral mining and quarrying.....											
2130	Support activities for mining.....						11					
2211	Power generation and supply.....											
2212	Natural gas distribution.....											
2213	Water, sewage and other systems.....											
2301	New residential construction.....											
2302	New nonresidential construction.....											
2303	Maintenance and repair construction.....											
3110	Food manufacturing.....											
3121	Beverage manufacturing.....											
3122	Tobacco manufacturing.....											
3130	Textile mills.....											
3140	Textile product mills.....											
3150	Apparel manufacturing.....											
3160	Leather and allied product manufacturing.....											
3210	Wood product manufacturing.....			129			15					
3221	Pulp, paper, and paperboard mills.....											
3222	Converted paper product manufacturing.....						15					
3230	Printing and related support activities.....						84					
3240	Petroleum and coal products manufacturing.....											
3251	Basic chemical manufacturing.....											
3252	Resin, rubber, and artificial fibers manufacturing.....											11
3253	Agricultural chemical manufacturing.....											
3254	Pharmaceutical and medicine manufacturing.....											
3255	Paint, coating, and adhesive manufacturing.....											
3256	Soap, cleaning compound, and toiletry manufacturing.....											
3259	Other chemical product and preparation manufacturing.....								280			3
3260	Plastics and rubber products manufacturing.....	57		200			242	21	76			784
3270	Nonmetallic mineral product manufacturing.....			49			36		27			7
331A	Iron and steel mills and forming steel products.....	295					159					
331B	Nonferrous metal production and processing.....	1					537					
3315	Foundries.....	4					238					305
3321	Forging and stamping.....	22,582	59	121			250	6	3		7	317
3322	Cutlery and handtool manufacturing.....	5	10,331	13			73	41		52		133
3323	Architectural and structural metals manufacturing.....	313		49,045	446		846	41		12	36	5
3324	Boiler, tank, and shipping container manufacturing.....	38		331	21,174		301	97			27	
332A	Ordnance and accessories manufacturing.....					5,539		11				
332B	Other fabricated metal product manufacturing.....	259	57	685	403	207	113,509	70	41	27		368
3331	Agriculture, construction, and mining machinery.....			105	14	9	167	49,168		61		
3332	Industrial machinery manufacturing.....		32	1			143	10	33,215	97	2	215
3333	Commercial and service industry machinery.....			6		9	15		84	22,281	12	13
3334	HVAC and commercial refrigeration equipment.....			43	54		6	1		20	28,794	14
3335	Metalworking machinery manufacturing.....	77	64	10			398		70			28,265
3336	Turbine and power transmission equipment manufacturing.....		136				180	102			9	
3339	Other general purpose machinery manufacturing.....		88	44	35		920	433	356	198	96	239
3341	Computer and peripheral equipment manufacturing.....									78		
334A	Audio, video, and communications equipment manufacturing.....									1		
3344	Semiconductor and electronic component manufacturing.....		2						36	19		
3345	Electronic instrument manufacturing.....						160			264		
3346	Magnetic media manufacturing and reproducing.....											
3351	Electric lighting equipment manufacturing.....						1					
3352	Household appliance manufacturing.....		75							190	119	
3353	Electrical equipment manufacturing.....			5			35				270	
3359	Other electrical equipment and component manufacturing.....	33					66					6
3361	Motor vehicle manufacturing.....											
336A	Motor vehicle body, trailer, and parts manufacturing.....	784	17	4			107	6			583	688
3364	Aerospace product and parts manufacturing.....					116	87					5
336B	Other transportation equipment manufacturing.....	11		29			47	47				
3370	Furniture and related product manufacturing.....	2		15			16					
3391	Medical equipment and supplies manufacturing.....						2			26		
3399	Other miscellaneous manufacturing.....	11	15	2			113					

Industries Before Redefinitions, 1997—Continued
at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Forgings and stampings	Cutlery and handtools	Architectural and structural metal products	Boilers, tanks, and shipping containers	Ordnance and accessories	Other fabricated metal products	Agriculture, construction, and mining machinery	Industrial machinery	Commercial and service industry machinery	HVAC and commercial refrigeration equipment	Metal-working machinery
	For the distribution of commodities produced by an industry, read the row for that industry											
	Commodity number	3321	3322	3323	3324	332A	332B	3331	3332	3333	3334	3335
4200	Wholesale trade						8			222		8
4A00	Retail trade											
4810	Air transportation											
4820	Rail transportation											
4830	Water transportation											
4840	Truck transportation											
4850	Transit and ground passenger transportation											
4860	Pipeline transportation											
48A0	Sightseeing transportation and transportation support											
4920	Couriers and messengers											
4930	Warehousing and storage											
5111	Newspaper, book, and directory publishers											
5112	Software publishers											
5120	Motion picture and sound recording industries											
5131	Radio and television broadcasting											
5132	Cable networks and program distribution											
5133	Telecommunications											
5141	Information services											
5142	Data processing services											
52A0	Monetary authorities and credit intermediation											
5230	Securities, commodity contracts, investments											
5240	Insurance carriers and related activities											
5250	Funds, trusts, and other financial vehicles											
5310	Real estate											
S008	Owner-occupied dwellings											
5321	Automotive equipment rental and leasing											
532A	Consumer goods and general rental centers											
532A	Machinery and equipment rental and leasing											
5330	Lessors of nonfinancial intangible assets											
5411	Legal services											
5412	Accounting and bookkeeping services											
5413	Architectural and engineering services											
5414	Specialized design services											
5415	Computer systems design and related services											
5416	Management and technical consulting services											
5417	Scientific research and development services											
5418	Advertising and related services											
5419	Other professional and technical services											
5500	Management of companies and enterprises											
5613	Employment services											
5615	Travel arrangement and reservation services											
561A	All other administrative and support services											
5620	Waste management and remediation services											
6100	Educational services											
6210	Ambulatory health care services											
6220	Hospitals											
6230	Nursing and residential care facilities											
6240	Social assistance											
71A0	Performing arts, spectator sports, and museums											
7130	Amusements, gambling, and recreation											
7210	Accommodation											
7220	Food services and drinking places											
8111	Automotive repair and maintenance											
811A	Electronic, commercial, and household goods repair											
8120	Personal and laundry services											
813A	Religious, grantmaking, and social advocacy organizations											
813B	Civic, social, professional and similar organizations											
8140	Private households											
S001	Federal Government enterprises											
S002	State and local government enterprises											
S005	General government industry											
S007	Inventory valuation adjustment											
	Total commodity output	24,472	10,876	50,837	22,126	5,880	118,788	50,054	33,908	23,828	29,955	31,386

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Turbine and power transmission equipment	Other general purpose machinery	Computer and peripheral equipment	Audio, video, and communications equipment	Semi-conductors and electronic components	Electronic instruments	Magnetic media products	Electric lighting equipment	Household appliances	Electrical equipment	Other electrical equipment and components
	For the distribution of commodities produced by an industry, read the row for that industry											
	Commodity number	3336	3339	3341	334A	3344	3345	3346	3351	3352	3353	3359
1110	Crop production.....											
1120	Animal production.....											
1130	Forestry and logging.....											
1140	Fishing, hunting and trapping.....											
1150	Agriculture and forestry support activities.....											
2110	Oil and gas extraction.....											
2121	Coal mining.....											
2122	Metal ores mining.....											
2123	Nonmetallic mineral mining and quarrying.....											
2130	Support activities for mining.....											
2211	Power generation and supply.....											
2212	Natural gas distribution.....											
2213	Water, sewage and other systems.....											
2301	New residential construction.....											
2302	New nonresidential construction.....											
2303	Maintenance and repair construction.....											
3110	Food manufacturing.....											
3121	Beverage manufacturing.....											
3122	Tobacco manufacturing.....											
3130	Textile mills.....											
3140	Textile product mills.....											
3150	Apparel manufacturing.....											
3160	Leather and allied product manufacturing.....											
3210	Wood product manufacturing.....											
3221	Pulp, paper, and paperboard mills.....											
3222	Converted paper product manufacturing.....							677				
3230	Printing and related support activities.....											
3240	Petroleum and coal products manufacturing.....											4
3251	Basic chemical manufacturing.....											
3252	Resin, rubber, and artificial fibers manufacturing.....											
3253	Agricultural chemical manufacturing.....											
3254	Pharmaceutical and medicine manufacturing.....						34					
3255	Paint, coating, and adhesive manufacturing.....											
3256	Soap, cleaning compound, and toiletry manufacturing.....											
3259	Other chemical product and preparation manufacturing.....							324				
3260	Plastics and rubber products manufacturing.....		27				6		3			
3270	Nonmetallic mineral product manufacturing.....						2		22			6
331A	Iron and steel mills and forming steel products.....		89									227
331B	Nonferrous metal production and processing.....		8									353
3315	Foundries.....											2
3321	Forging and stamping.....		26									
3322	Cutlery and handtool manufacturing.....								3			
3323	Architectural and structural metals manufacturing.....		41							2		7
3324	Boiler, tank, and shipping container manufacturing.....		8									
332A	Ordinance and accessories manufacturing.....		2				24					
332B	Other fabricated metal product manufacturing.....	259	749				226					4
3331	Agriculture, construction, and mining machinery.....	271	942	1							311	
3332	Industrial machinery manufacturing.....	1	175		5	2	98					
3333	Commercial and service industry machinery.....		7	546		139	148	190			13	3
3334	HVAC and commercial refrigeration equipment.....		292							85	35	
3335	Metalworking machinery manufacturing.....		143								2	
3336	Turbine and power transmission equipment manufacturing.....	27,436	85								494	
3339	Other general purpose machinery manufacturing.....	626	55,107	1		44	25				21	83
3341	Computer and peripheral equipment manufacturing.....			90,814	856	5,029	1,120	465				
334A	Audio, video, and communications equipment manufacturing.....			37	86,107	901	935			250		54
3344	Semiconductor and electronic component manufacturing.....			1,381	877	133,090	163				57	307
3345	Electronic instrument manufacturing.....			211	1,228	731	81,281		92		207	307
3346	Magnetic media manufacturing and reproducing.....			145				9,438				
3351	Electric lighting equipment manufacturing.....				18				11,997			55
3352	Household appliance manufacturing.....								60	19,546	196	
3353	Electrical equipment manufacturing.....					59	191				33,241	355
3359	Other electrical equipment and component manufacturing.....		1		378	633	10		129		405	37,672
3361	Motor vehicle manufacturing.....											
336A	Motor vehicle body, trailer, and parts manufacturing.....	272	255		597		455		41		93	525
3364	Aerospace product and parts manufacturing.....	1,016	163		292		293					28
336B	Other transportation equipment manufacturing.....	302	21								228	
3370	Furniture and related product manufacturing.....		13			36						
3391	Medical equipment and supplies manufacturing.....							354				
3399	Other miscellaneous manufacturing.....						49					

Industries Before Redefinitions, 1997—Continued
at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Turbine and power transmission equipment	Other general purpose machinery	Computer and peripheral equipment	Audio, video, and communications equipment	Semi-conductors and electronic components	Electronic instruments	Magnetic media products	Electric lighting equipment	Household appliances	Electrical equipment	Other electrical equipment and components
	For the distribution of commodities produced by an industry, read the row for that industry											
	Commodity number	3336	3339	3341	334A	3344	3345	3346	3351	3352	3353	3359
4200	Wholesale trade				196		11					
4A00	Retail trade											
4810	Air transportation											
4820	Rail transportation											
4830	Water transportation											
4840	Truck transportation											
4850	Transit and ground passenger transportation											
4860	Pipeline transportation											
48A0	Sightseeing transportation and transportation support											
4920	Couriers and messengers											
4930	Warehousing and storage											
5111	Newspaper, book, and directory publishers											
5112	Software publishers											
5120	Motion picture and sound recording industries											
5131	Radio and television broadcasting											
5132	Cable networks and program distribution											
5133	Telecommunications											
5141	Information services											
5142	Data processing services											
52A0	Monetary authorities and credit intermediation											
5230	Securities, commodity contracts, investments											
5240	Insurance carriers and related activities											
5250	Funds, trusts, and other financial vehicles											
5310	Real estate											
S008	Owner-occupied dwellings											
5321	Automotive equipment rental and leasing											
532A	Consumer goods and general rental centers											
5324	Machinery and equipment rental and leasing											
5330	Lessors of nonfinancial intangible assets											
5411	Legal services											
5412	Accounting and bookkeeping services											
5413	Architectural and engineering services											
5414	Specialized design services											
5415	Computer systems design and related services											
5416	Management and technical consulting services											
5417	Scientific research and development services											
5418	Advertising and related services											
5419	Other professional and technical services											
5500	Management of companies and enterprises											
5613	Employment services											
5615	Travel arrangement and reservation services											
561A	All other administrative and support services											
5620	Waste management and remediation services											
6100	Educational services											
6210	Ambulatory health care services											
6220	Hospitals											
6230	Nursing and residential care facilities											
6240	Social assistance											
71A0	Performing arts, spectator sports, and museums											
7130	Amusements, gambling, and recreation											
7210	Accommodation											
7220	Food services and drinking places											
8111	Automotive repair and maintenance											
811A	Electronic, commercial, and household goods repair											
8120	Personal and laundry services											
813A	Religious, grantmaking, and social advocacy organizations											
813B	Civic, social, professional and similar organizations											
8140	Private households											
S001	Federal Government enterprises											
S002	State and local government enterprises											
S005	General government industry											
S007	Inventory valuation adjustment											
	Total commodity output	30,183	58,154	93,136	90,554	140,664	85,425	11,094	12,347	19,883	35,303	39,992

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Motor vehicles	Motor vehicle bodies, trailers, and parts	Aerospace products and parts	Other transportation equipment	Furniture and related products	Medical equipment and supplies	Other miscellaneous manufactured products	Wholesale trade	Retail trade	Air transportation	Rail transportation
	For the distribution of commodities produced by an industry, read the row for that industry											
	Commodity number	3361	336A	3364	336B	3370	3391	3399	4200	4A00	4810	4820
1110	Crop production.....											
1120	Animal production.....											
1130	Forestry and logging.....								455			
1140	Fishing, hunting and trapping.....											
1150	Agriculture and forestry support activities.....											
2110	Oil and gas extraction.....								4			
2121	Coal mining.....								50			
2122	Metal ores mining.....											
2123	Nonmetallic mineral mining and quarrying.....								8			
2130	Support activities for mining.....								233			
2211	Power generation and supply.....									40		
2212	Natural gas distribution.....									22		
2213	Water, sewage and other systems.....											
2301	New residential construction.....											
2302	New nonresidential construction.....											
2303	Maintenance and repair construction.....											
3110	Food manufacturing.....								3,699			
3121	Beverage manufacturing.....								952			
3122	Tobacco manufacturing.....								155			
3130	Textile mills.....								62			
3140	Textile product mills.....		29			6		55	103			
3150	Apparel manufacturing.....						92		956			
3160	Leather and allied product manufacturing.....							3	348			
3210	Wood product manufacturing.....					150		5	584			
3221	Pulp, paper, and paperboard mills.....								142			
3222	Converted paper product manufacturing.....					1	47	3	553			
3230	Printing and related support activities.....							54	1,187			
3240	Petroleum and coal products manufacturing.....								370			
3251	Basic chemical manufacturing.....								717			
3252	Resin, rubber, and artificial fibers manufacturing.....								79			
3253	Agricultural chemical manufacturing.....								264			
3254	Pharmaceutical and medicine manufacturing.....						16		4,660			
3255	Paint, coating, and adhesive manufacturing.....								629			
3256	Soap, cleaning compound, and toiletry manufacturing.....								2,546			
3259	Other chemical product and preparation manufacturing.....		12						372			
3260	Plastics and rubber products manufacturing.....					228	36	661	1,297			
3270	Nonmetallic mineral product manufacturing.....						48	11	826			
331A	Iron and steel mills and forming steel products.....					23			63			
331B	Nonferrous metal production and processing.....								174			
3315	Foundries.....								128			
3321	Forging and stamping.....		335			2			141			
3322	Cutlery and handtool manufacturing.....								323			
3323	Architectural and structural metals manufacturing.....		6	1		16			488			
3324	Boiler, tank, and shipping container manufacturing.....							11	123			
332A	Ordinance and accessories manufacturing.....								12			
332B	Other fabricated metal product manufacturing.....		12	191		19	2	40	1,693			
3331	Agriculture, construction, and mining machinery.....		137			255			691			
3332	Industrial machinery manufacturing.....							1	951			
3333	Commercial and service industry machinery.....			237		24	2		411			
3334	HVAC and commercial refrigeration equipment.....		2			26			239			
3335	Metalworking machinery manufacturing.....		97				2		399			
3336	Turbine and power transmission equipment manufacturing.....		501	74	5				250			
3339	Other general purpose machinery manufacturing.....			88		70	4	4	745			
3341	Computer and peripheral equipment manufacturing.....							48	2,098			
334A	Audio, video, and communications equipment manufacturing.....								1,475			
3344	Semiconductor and electronic component manufacturing.....		6						766			
3345	Electronic instrument manufacturing.....			1,011			560		896			
3346	Magnetic media manufacturing and reproducing.....								62			
3351	Electric lighting equipment manufacturing.....		3						148			
3352	Household appliance manufacturing.....					3			232			
3353	Electrical equipment manufacturing.....		378						416			
3359	Other electrical equipment and component manufacturing.....							15	300			
3361	Motor vehicle manufacturing.....	217,427	2,699		79				33			
336A	Motor vehicle body, trailer, and parts manufacturing.....	2,640	187,398	348	137	24			1,256			
3364	Aerospace product and parts manufacturing.....			114,002	170		1		529			
336B	Other transportation equipment manufacturing.....	72	123		31,833			122	238			
3370	Furniture and related product manufacturing.....		8			61,973	6	187	786			
3391	Medical equipment and supplies manufacturing.....						41,315	11	1,404			
3399	Other miscellaneous manufacturing.....					18	64	52,319	1,490			

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Motor vehicles	Motor vehicle bodies, trailers, and parts	Aerospace products and parts	Other transportation equipment	Furniture and related products	Medical equipment and supplies	Other miscellaneous manufactured products	Wholesale trade	Retail trade	Air transportation	Rail transportation
	For the distribution of commodities produced by an industry, read the row for that industry											
	Commodity number	3361	336A	3364	336B	3370	3391	3399	4200	4A00	4810	4820
4200	Wholesale trade		116	4		5	5	1,735	707,265			
4A00	Retail trade							871		704,164		
4810	Air transportation										119,445	
4820	Rail transportation											37,967
4830	Water transportation											
4840	Truck transportation								146	14		
4850	Transit and ground passenger transportation									10		
4860	Pipeline transportation											
48A0	Sightseeing transportation and transportation support								267	6	4,367	899
4920	Couriers and messengers								1			
4930	Warehousing and storage								8			
5111	Newspaper, book, and directory publishers								3,115			
5112	Software publishers									362		
5120	Motion picture and sound recording industries									53		
5131	Radio and television broadcasting									28		
5132	Cable networks and program distribution									67		
5133	Telecommunications								1,494	50		
5141	Information services									63		
5142	Data processing services									205		
52A0	Monetary authorities and credit intermediation									945		
5230	Securities, commodity contracts, investments											
5240	Insurance carriers and related activities											
5250	Funds, trusts, and other financial vehicles											
5310	Real estate											
S008	Owner-occupied dwellings											
5321	Automotive equipment rental and leasing									162		
532A	Consumer goods and general rental centers									571		
5324	Machinery and equipment rental and leasing									462		
5330	Lessors of nonfinancial intangible assets											
5411	Legal services											
5412	Accounting and bookkeeping services									45		
5413	Architectural and engineering services								242	34		
5414	Specialized design services									103		
5415	Computer systems design and related services									1,510		
5416	Management and technical consulting services									282		
5417	Scientific research and development services									441		
5418	Advertising and related services									97		
5419	Other professional and technical services									3,067		
5500	Management of companies and enterprises											
5613	Employment services									54		
5615	Travel arrangement and reservation services									49		
561A	All other administrative and support services								113	971		
5620	Waste management and remediation services								36			
6100	Educational services									1,100		
6210	Ambulatory health care services									4,291		
6220	Hospitals									138		
6230	Nursing and residential care facilities									30		
6240	Social assistance									477		
71A0	Performing arts, spectator sports, and museums									708		
7130	Amusements, gambling, and recreation									1,436		
7210	Accommodation									1,206		
7220	Food services and drinking places									1,618		
8111	Automotive repair and maintenance									1,251		
811A	Electronic, commercial, and household goods repair									1,980		
8120	Personal and laundry services									513		
813A	Religious, grantmaking, and social advocacy organizations									154		
813B	Civic, social, professional and similar organizations								4	1,063		
8140	Private households											
S001	Federal Government enterprises									1,535		
S002	State and local government enterprises									2,052		
S005	General government industry											83
S007	Inventory valuation adjustment											
	Total commodity output	220,139	191,862	115,956	32,479	62,588	42,200	56,156	752,902	733,429	123,812	38,949

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Water transportation	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Sightseeing transportation and transportation support	Courier and messenger services	Warehousing and storage	Newspapers, books, and directories	Software	Motion pictures and sound recordings
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	4830	4840	4850	4860	48A0	4920	4930	5111	5112	5120
4200	Wholesale trade				8	801		23			
4A00	Retail trade		2,843			1,252		123			
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation	24,211				330					
4840	Truck transportation		166,067				122	2,246			
4850	Transit and ground passenger transportation			24,498		83	44				
4860	Pipeline transportation				24,275						
48A0	Sightseeing transportation and transportation support	379	2,132	53		34,185		72			
4920	Couriers and messengers		84			44	41,702	20			
4930	Warehousing and storage		317				19	26,811			
5111	Newspaper, book, and directory publishers								63,647		
5112	Software publishers									56,799	
5120	Motion picture and sound recording industries										61,133
5131	Radio and television broadcasting										3,603
5132	Cable networks and program distribution										
5133	Telecommunications										
5141	Information services										
5142	Data processing services										61
52A0	Monetary authorities and credit intermediation										396
5230	Securities, commodity contracts, investments										
5240	Insurance carriers and related activities										
5250	Funds, trusts, and other financial vehicles										
5310	Real estate										
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing			20							
532A	Consumer goods and general rental centers										
532A	Machinery and equipment rental and leasing										
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services										
5413	Architectural and engineering services										
5414	Specialized design services										
5415	Computer systems design and related services										797
5416	Management and technical consulting services										
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services										
5620	Waste management and remediation services										
6100	Educational services										
6210	Ambulatory health care services										
6220	Hospitals										
6230	Nursing and residential care facilities										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums										
7130	Amusements, gambling, and recreation										
7210	Accommodation										
7220	Food services and drinking places										
8111	Automotive repair and maintenance										
811A	Electronic, commercial, and household goods repair										
8120	Personal and laundry services										
813A	Religious, grantmaking, and social advocacy organizations										
813B	Civic, social, professional and similar organizations										
8140	Private households										
S001	Federal Government enterprises										97
S002	State and local government enterprises	38		7,505		5,279					
S005	General government industry										
S007	Inventory valuation adjustment										
	Total commodity output	24,628	171,443	32,076	27,284	41,974	41,887	29,295	64,310	58,053	64,833

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Radio and television broadcasting	Cable networks and program distribution	Telecommunications	Information services	Data processing services	Monetary oversight and credit intermediation	Securities, commodity contracts, investments	Insurance carriers and related services	Funds, trusts, and other financial vehicles	Real estate
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	5131	5132	5133	5141	5142	52A0	5230	5240	5250	5310
4200	Wholesale trade										
4A00	Retail trade						1,986		151		49
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation										
4840	Truck transportation										
4850	Transit and ground passenger transportation										
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support										
4920	Couriers and messengers										
4930	Warehousing and storage										
5111	Newspaper, book, and directory publishers										
5112	Software publishers				124	168					
5120	Motion picture and sound recording industries										
5131	Radio and television broadcasting	8,218	16	27	15						
5132	Cable networks and program distribution	90	39,065	1,088	20						
5133	Telecommunications		97	270,641	2,160						
5141	Information services				11,519	22					
5142	Data processing services				64	34,198					
52A0	Monetary authorities and credit intermediation						414,229	9,076	1,246		
5230	Securities, commodity contracts, investments					303	1,784	193,984	2,307		
5240	Insurance carriers and related activities							321	338,802		37
5250	Funds, trusts, and other financial vehicles									64,300	
5310	Real estate								48		607,105
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers										
532A	Machinery and equipment rental and leasing										
5330	Lessors of nonfinancial intangible assets							4			11
5411	Legal services										
5412	Accounting and bookkeeping services					3,065					
5413	Architectural and engineering services										
5414	Specialized design services										
5415	Computer systems design and related services					834					
5416	Management and technical consulting services										
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services										
5620	Waste management and remediation services										
6100	Educational services										
6210	Ambulatory health care services										
6220	Hospitals										
6230	Nursing and residential care facilities										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums										
7130	Amusements, gambling, and recreation										
7210	Accommodation										1,823
7220	Food services and drinking places										
8111	Automotive repair and maintenance										
811A	Electronic, commercial, and household goods repair										
8120	Personal and laundry services										
813A	Religious, grantmaking, and social advocacy organizations										
813B	Civic, social, professional and similar organizations										
8140	Private households										
S001	Federal Government enterprises								1,031		839
S002	State and local government enterprises						77		16		11,425
S005	General government industry										
S007	Inventory valuation adjustment										
	Total commodity output	8,308	39,178	271,756	13,929	38,617	418,076	203,385	343,601	64,300	621,289

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Owner-occupied dwellings	Automotive equipment rental and leasing	Consumer goods and general rentals	Machinery and equipment rental and leasing	Rights to nonfinancial intangible assets	Legal services	Accounting and bookkeeping services	Architectural and engineering services	Specialized design services	Computer systems design and related services
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	S008	5321	532A	5324	5330	5411	5412	5413	5414	5415
4200	Wholesale trade		407	1,570	6,673						5,022
4A00	Retail trade		999	3,708	859					37	1,145
4810	Air transportation										113
4820	Rail transportation				238						13
4830	Water transportation				22						27
4840	Truck transportation										147
4850	Transit and ground passenger transportation										28
4860	Pipeline transportation										46
48A0	Sightseeing transportation and transportation support				7						104
4920	Couriers and messengers										115
4930	Warehousing and storage										19
5111	Newspaper, book, and directory publishers										413
5112	Software publishers										7,611
5120	Motion picture and sound recording industries										82
5131	Radio and television broadcasting				44						23
5132	Cable networks and program distribution				1,235						30
5133	Telecommunications			1,076							2,033
5141	Information services										130
5142	Data processing services										473
52A0	Monetary authorities and credit intermediation		52,060	431	1,674						1,626
5230	Securities, commodity contracts, investments										989
5240	Insurance carriers and related activities						704				3,585
5250	Funds, trusts, and other financial vehicles										33
5310	Real estate										46
S008	Owner-occupied dwellings	592,862									
5321	Automotive equipment rental and leasing		30,345	98							94
532A	Consumer goods and general rental centers		41	17,291	1,166						14
5324	Machinery and equipment rental and leasing		30	157	29,325						15
5330	Lessors of nonfinancial intangible assets					101,992					15
5411	Legal services						152,041				55
5412	Accounting and bookkeeping services							63,257			684
5413	Architectural and engineering services								129,064	734	1,168
5414	Specialized design services								101	17,527	46
5415	Computer systems design and related services				119				1,044		92,942
5416	Management and technical consulting services							363		57	1,400
5417	Scientific research and development services									37	719
5418	Advertising and related services									758	327
5419	Other professional and technical services										229
5500	Management of companies and enterprises										
5613	Employment services										1,642
5615	Travel arrangement and reservation services										44
561A	All other administrative and support services							197	158		1,338
5620	Waste management and remediation services										32
6100	Educational services										1,673
6210	Ambulatory health care services			79	444						217
6220	Hospitals			4	5						859
6230	Nursing and residential care facilities			6	28						25
6240	Social assistance										31
71A0	Performing arts, spectator sports, and museums										31
7130	Amusements, gambling, and recreation			57							17
7210	Accommodation										31
7220	Food services and drinking places										63
8111	Automotive repair and maintenance										4
811A	Electronic, commercial, and household goods repair			42	236						30
8120	Personal and laundry services			5	1			3			39
813A	Religious, grantmaking, and social advocacy organizations										56
813B	Civic, social, professional and similar organizations										115
8140	Private households										
S001	Federal Government enterprises										
S002	State and local government enterprises										
S005	General government industry										7,010
S007	Inventory valuation adjustment										
	Total commodity output	592,862	83,882	24,524	42,095	101,992	152,745	63,820	130,461	19,056	141,388

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services	Waste management and remediation services	Educational services
	For the distribution of commodities produced by an industry, read the row for that industry											Commodity number
		5416	5417	5418	5419	5500	5613	5615	561A	5620	6100
1110	Crop production.....										
1120	Animal production										
1130	Forestry and logging.....										
1140	Fishing, hunting and trapping										
1150	Agriculture and forestry support activities										
2110	Oil and gas extraction										
2121	Coal mining										
2122	Metal ores mining										
2123	Nonmetallic mineral mining and quarrying										
2130	Support activities for mining										
2211	Power generation and supply										
2212	Natural gas distribution										
2213	Water, sewage and other systems										
2301	New residential construction										
2302	New nonresidential construction										
2303	Maintenance and repair construction										
3110	Food manufacturing.....										
3121	Beverage manufacturing										
3122	Tobacco manufacturing										
3130	Textile mills.....										
3140	Textile product mills.....										
3150	Apparel manufacturing										
3160	Leather and allied product manufacturing										
3210	Wood product manufacturing.....										
3221	Pulp, paper, and paperboard mills										
3222	Converted paper product manufacturing										
3230	Printing and related support activities				25,599	177			351		
3240	Petroleum and coal products manufacturing										
3251	Basic chemical manufacturing										
3252	Resin, rubber, and artificial fibers manufacturing										
3253	Agricultural chemical manufacturing										
3254	Pharmaceutical and medicine manufacturing										
3255	Paint, coating, and adhesive manufacturing										
3256	Soap, cleaning compound, and toiletry manufacturing										
3259	Other chemical product and preparation manufacturing										
3260	Plastics and rubber products manufacturing										
3270	Nonmetallic mineral product manufacturing.....										
331A	Iron and steel mills and forming steel products.....										
331B	Nonferrous metal production and processing.....										
3315	Foundries.....										
3321	Forging and stamping.....										
3322	Cutlery and handtool manufacturing.....										
3323	Architectural and structural metals manufacturing										
3324	Boiler, tank, and shipping container manufacturing										
332A	Ordinance and accessories manufacturing										
332B	Other fabricated metal product manufacturing										
3331	Agriculture, construction, and mining machinery										
3332	Industrial machinery manufacturing										
3333	Commercial and service industry machinery										
3334	HVAC and commercial refrigeration equipment										
3335	Metalworking machinery manufacturing.....										
3336	Turbine and power transmission equipment manufacturing										
3339	Other general purpose machinery manufacturing										
3341	Computer and peripheral equipment manufacturing.....										
334A	Audio, video, and communications equipment manufacturing										
3344	Semiconductor and electronic component manufacturing										
3345	Electronic instrument manufacturing.....										
3346	Magnetic media manufacturing and reproducing										
3351	Electric lighting equipment manufacturing										
3352	Household appliance manufacturing.....										
3353	Electrical equipment manufacturing										
3359	Other electrical equipment and component manufacturing										
3361	Motor vehicle manufacturing										
336A	Motor vehicle body, trailer, and parts manufacturing										
3364	Aerospace product and parts manufacturing										
336B	Other transportation equipment manufacturing										
3370	Furniture and related product manufacturing										
3391	Medical equipment and supplies manufacturing.....										
3399	Other miscellaneous manufacturing				3,020						

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services	All other administrative and support services	Waste management and remediation services	Educational services
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	5416	5417	5418	5419	5500	5613	5615	561A	5620	6100
4200	Wholesale trade			178					182		7
4A00	Retail trade				562				1,862		120
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation										
4840	Truck transportation	115								16	
4850	Transit and ground passenger transportation			29							
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support	234		1							26
4920	Couriers and messengers	2									
4930	Warehousing and storage	35									
5111	Newspaper, book, and directory publishers			48,645							
5112	Software publishers										1,092
5120	Motion picture and sound recording industries				14						
5131	Radio and television broadcasting			29,393							
5132	Cable networks and program distribution			4,911							
5133	Telecommunications			4,707							
5141	Information services										3
5142	Data processing services										68
52A0	Monetary authorities and credit intermediation										
5230	Securities, commodity contracts, investments										
5240	Insurance carriers and related activities										
5250	Funds, trusts, and other financial vehicles										
5310	Real estate										
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers										
532A	Machinery and equipment rental and leasing										
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services	4,682		3					336		
5413	Architectural and engineering services		171								
5414	Specialized design services				74						
5415	Computer systems design and related services		68								716
5416	Management and technical consulting services	83,841		23					210		
5417	Scientific research and development services	380	58,620		1						
5418	Advertising and related services			56,624	123						
5419	Other professional and technical services				60,141						
5500	Management of companies and enterprises		4,271			315,497					
5613	Employment services						88,653				
5615	Travel arrangement and reservation services							25,097			
561A	All other administrative and support services	533		8					186,926		
5620	Waste management and remediation services	96								39,463	
6100	Educational services										101,038
6210	Ambulatory health care services										
6220	Hospitals										
6230	Nursing and residential care facilities										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums			1,724							
7130	Amusements, gambling, and recreation			71							403
7210	Accommodation										
7220	Food services and drinking places										
8111	Automotive repair and maintenance										
811A	Electronic, commercial, and household goods repair										
8120	Personal and laundry services								23		11
813A	Religious, grantmaking, and social advocacy organizations										
813B	Civic, social, professional and similar organizations			354							
8140	Private households										
S001	Federal Government enterprises										
S002	State and local government enterprises										
S005	General government industry										
S007	Inventory valuation adjustment										
	Total commodity output	89,918	63,130	175,305	61,078	315,497	88,653	25,097	189,890	39,479	103,484

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Ambulatory health care services	Hospital care	Nursing and residential care	Social assistance	Performing arts, spectator sports, and museums	Amusements, gambling, and recreation	Accommodations	Food and beverage services to customer order	Automotive repair and maintenance	Electronic, commercial, and household goods repair
	For the distribution of commodities produced by an industry, read the row for that industry											Commodity number
		6210	6220	6230	6240	71A0	7130	7210	7220	8111	811A
1110	Crop production.....						699				
1120	Animal production						451				
1130	Forestry and logging.....						(*)				
1140	Fishing, hunting and trapping										
1150	Agriculture and forestry support activities										
2110	Oil and gas extraction										
2121	Coal mining										
2122	Metal ores mining										
2123	Nonmetallic mineral mining and quarrying										
2130	Support activities for mining										
2211	Power generation and supply										
2212	Natural gas distribution										
2213	Water, sewage and other systems										
2301	New residential construction										
2302	New nonresidential construction										
2303	Maintenance and repair construction										
3110	Food manufacturing.....										
3121	Beverage manufacturing										
3122	Tobacco manufacturing										
3130	Textile mills.....										
3140	Textile product mills.....										
3150	Apparel manufacturing										
3160	Leather and allied product manufacturing										
3210	Wood product manufacturing.....										
3221	Pulp, paper, and paperboard mills										
3222	Converted paper product manufacturing										
3230	Printing and related support activities										
3240	Petroleum and coal products manufacturing										
3251	Basic chemical manufacturing										
3252	Resin, rubber, and artificial fibers manufacturing										
3253	Agricultural chemical manufacturing										
3254	Pharmaceutical and medicine manufacturing										
3255	Paint, coating, and adhesive manufacturing										
3256	Soap, cleaning compound, and toiletry manufacturing										
3259	Other chemical product and preparation manufacturing										
3260	Plastics and rubber products manufacturing										
3270	Nonmetallic mineral product manufacturing.....										
331A	Iron and steel mills and forming steel products.....										
331B	Nonferrous metal production and processing.....										
3315	Foundries.....										
3321	Forging and stamping.....										
3322	Cutlery and handtool manufacturing.....										
3323	Architectural and structural metals manufacturing										
3324	Boiler, tank, and shipping container manufacturing										
332A	Ordinance and accessories manufacturing										
332B	Other fabricated metal product manufacturing										
3331	Agriculture, construction, and mining machinery										
3332	Industrial machinery manufacturing										
3333	Commercial and service industry machinery										
3334	HVAC and commercial refrigeration equipment										
3335	Metalworking machinery manufacturing.....										
3336	Turbine and power transmission equipment manufacturing										
3339	Other general purpose machinery manufacturing										
3341	Computer and peripheral equipment manufacturing.....										295
334A	Audio, video, and communications equipment manufacturing										11
3344	Semiconductor and electronic component manufacturing										3
3345	Electronic instrument manufacturing.....										
3346	Magnetic media manufacturing and reproducing										
3351	Electric lighting equipment manufacturing										
3352	Household appliance manufacturing.....										
3353	Electrical equipment manufacturing										
3359	Other electrical equipment and component manufacturing										
3361	Motor vehicle manufacturing										
336A	Motor vehicle body, trailer, and parts manufacturing										
3364	Aerospace product and parts manufacturing										
336B	Other transportation equipment manufacturing										
3370	Furniture and related product manufacturing										
3391	Medical equipment and supplies manufacturing.....										
3399	Other miscellaneous manufacturing										

* Less than \$500,000.

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Ambulatory health care services	Hospital care	Nursing and residential care	Social assistance	Performing arts, spectator sports, and museums	Amusements, gambling, and recreation	Accommodations	Food and beverage services to customer order	Automotive repair and maintenance	Electronic, commercial, and household goods repair
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	6210	6220	6230	6240	71A0	7130	7210	7220	8111	811A
4200	Wholesale trade									4,646	29,070
4A00	Retail trade	191					394		11,792	57,470	5,615
4810	Air transportation										
4820	Rail transportation										
4830	Water transportation										
4840	Truck transportation									211	
4850	Transit and ground passenger transportation	1								20	
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support	4					2			16	
4920	Couriers and messengers									7	
4930	Warehousing and storage									2	
5111	Newspaper, book, and directory publishers										
5112	Software publishers										31
5120	Motion picture and sound recording industries						25				
5131	Radio and television broadcasting										2
5132	Cable networks and program distribution										33
5133	Telecommunications										1,620
5141	Information services										12
5142	Data processing services										6
52A0	Monetary authorities and credit intermediation										
5230	Securities, commodity contracts, investments										
5240	Insurance carriers and related activities										
5250	Funds, trusts, and other financial vehicles										
5310	Real estate							270			
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing										
532A	Consumer goods and general rental centers										66
532A	Machinery and equipment rental and leasing										765
5330	Lessors of nonfinancial intangible assets										
5411	Legal services										
5412	Accounting and bookkeeping services										
5413	Architectural and engineering services										
5414	Specialized design services										
5415	Computer systems design and related services										3,387
5416	Management and technical consulting services										
5417	Scientific research and development services										
5418	Advertising and related services										
5419	Other professional and technical services										
5500	Management of companies and enterprises										
5613	Employment services										
5615	Travel arrangement and reservation services										
561A	All other administrative and support services										18
5620	Waste management and remediation services										
6100	Educational services					406		3,393	3,562		
6210	Ambulatory health care services	376,077									
6220	Hospitals	3,985	267,078	1,891					1,169		
6230	Nursing and residential care facilities	75		91,685					174		
6240	Social assistance			7	66,192				177		
71A0	Performing arts, spectator sports, and museums					51,720	506		226		
7130	Amusements, gambling, and recreation				83	68	60,457	305	8,565		341
7210	Accommodation						17,186	73,074	19,398		
7220	Food services and drinking places						871	360	296,722		
8111	Automotive repair and maintenance									83,180	417
811A	Electronic, commercial, and household goods repair									99	53,119
8120	Personal and laundry services										136
813A	Religious, grantmaking, and social advocacy organizations								17		
813B	Civic, social, professional and similar organizations								2,432		
8140	Private households										
S001	Federal Government enterprises								1,883		
S002	State and local government enterprises										
S005	General government industry							423			
S007	Inventory valuation adjustment										
	Total commodity output	380,333	267,078	93,584	66,275	52,194	81,014	77,402	346,117	145,651	94,947

Table 1. The Make of Commodities by
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Personal and laundry services	Religious, grantmaking, and social advocacy	Civic, social, professional and similar organizations	Private household services	Federal Government enterprise services	State and local government enterprise services	Scrap, used and second-hand goods	General government services	Inventory valuation adjustment	Total industry output
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	8120	813A	813B	8140	S001	S002	S004	S005	S007	
1110	Crop production.....										134,934
1120	Animal production										105,107
1130	Forestry and logging.....										28,115
1140	Fishing, hunting and trapping										6,048
1150	Agriculture and forestry support activities										12,335
2110	Oil and gas extraction										91,575
2121	Coal mining										23,408
2122	Metal ores mining.....										11,291
2123	Nonmetallic mineral mining and quarrying										17,181
2130	Support activities for mining										25,198
2211	Power generation and supply										225,526
2212	Natural gas distribution										56,609
2213	Water, sewage and other systems						729				6,123
2301	New residential construction										231,000
2302	New nonresidential construction										338,145
2303	Maintenance and repair construction.....										101,065
3110	Food manufacturing.....										410,522
3121	Beverage manufacturing.....										67,015
3122	Tobacco manufacturing.....										41,612
3130	Textile mills.....										58,341
3140	Textile product mills.....							93			31,028
3150	Apparel manufacturing							9			66,840
3160	Leather and allied product manufacturing										10,331
3210	Wood product manufacturing.....							50			88,665
3221	Pulp, paper, and paperboard mills							2			71,431
3222	Converted paper product manufacturing							334			77,273
3230	Printing and related support activities							57			97,676
3240	Petroleum and coal products manufacturing										174,393
3251	Basic chemical manufacturing.....										113,919
3252	Resin, rubber, and artificial fibers manufacturing										64,197
3253	Agricultural chemical manufacturing										24,009
3254	Pharmaceutical and medicine manufacturing										89,743
3255	Paint, coating, and adhesive manufacturing										25,759
3256	Soap, cleaning compound, and toiletry manufacturing.....										53,001
3259	Other chemical product and preparation manufacturing.....										37,916
3260	Plastics and rubber products manufacturing							116			157,597
3270	Nonmetallic mineral product manufacturing.....							13			85,898
331A	Iron and steel mills and forming steel products.....							275			77,329
331B	Nonferrous metal production and processing.....							409			62,282
3315	Foundries.....							78			28,768
3321	Forging and stamping.....							183			24,092
3322	Cutlery and handtool manufacturing.....							17			11,068
3323	Architectural and structural metals manufacturing							136			51,938
3324	Boiler, tank, and shipping container manufacturing							347			22,583
332A	Ordnance and accessories manufacturing							2			5,612
332B	Other fabricated metal product manufacturing							382			123,823
3331	Agriculture, construction, and mining machinery							29			52,237
3332	Industrial machinery manufacturing.....							86			35,133
3333	Commercial and service industry machinery							3			24,711
3334	HVAC and commercial refrigeration equipment							45			29,694
3335	Metalworking machinery manufacturing.....							21			29,843
3336	Turbine and power transmission equipment manufacturing							18			29,323
3339	Other general purpose machinery manufacturing							187			59,568
3341	Computer and peripheral equipment manufacturing.....							17			101,819
334A	Audio, video, and communications equipment manufacturing							2			90,116
3344	Semiconductor and electronic component manufacturing							8			137,280
3345	Electronic instrument manufacturing.....										87,554
3346	Magnetic media manufacturing and reproducing										9,671
3351	Electric lighting equipment manufacturing										12,284
3352	Household appliance manufacturing.....							4			20,632
3353	Electrical equipment manufacturing										35,048
3359	Other electrical equipment and component manufacturing							4			41,152
3361	Motor vehicle manufacturing.....										220,404
336A	Motor vehicle body, trailer, and parts manufacturing.....							679			197,216
3364	Aerospace product and parts manufacturing										117,336
336B	Other transportation equipment manufacturing							8			33,142
3370	Furniture and related product manufacturing										63,571
3391	Medical equipment and supplies manufacturing.....							42			44,104
3399	Other miscellaneous manufacturing							13			58,187

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Personal and laundry services	Religious, grantmaking, and social advocacy	Civic, social, professional and similar organizations	Private household services	Federal Government enterprise services	State and local government enterprise services	Scrap, used and second-hand goods	General government services	Inventory valuation adjustment	Total industry output
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	8120	813A	813B	8140	S001	S002	S004	S005	S007	
4200	Wholesale trade										764,742
4A00	Retail trade	4,181									808,056
4810	Air transportation										119,626
4820	Rail transportation										42,262
4830	Water transportation										24,589
4840	Truck transportation										169,084
4850	Transit and ground passenger transportation										24,713
4860	Pipeline transportation										27,507
48A0	Sightseeing transportation and transportation support										42,754
4920	Couriers and messengers										41,975
4930	Warehousing and storage										27,211
5111	Newspaper, book, and directory publishers										117,082
5112	Software publishers										66,187
5120	Motion picture and sound recording industries										61,357
5131	Radio and television broadcasting										41,369
5132	Cable networks and program distribution										46,540
5133	Telecommunications										288,812
5141	Information services										11,810
5142	Data processing services										35,409
52A0	Monetary authorities and credit intermediation										481,521
5230	Securities, commodity contracts, investments										199,457
5240	Insurance carriers and related activities										343,461
5250	Funds, trusts, and other financial vehicles										64,333
5310	Real estate										611,139
S008	Owner-occupied dwellings										635,937
5321	Automotive equipment rental and leasing										30,719
532A	Consumer goods and general rental centers										19,154
532A	Machinery and equipment rental and leasing										30,775
5330	Lessors of nonfinancial intangible assets										102,023
5411	Legal services										152,096
5412	Accounting and bookkeeping services										72,086
5413	Architectural and engineering services										131,420
5414	Specialized design services										17,851
5415	Computer systems design and related services										101,417
5416	Management and technical consulting services										86,178
5417	Scientific research and development services										60,198
5418	Advertising and related services										57,929
5419	Other professional and technical services										63,437
5500	Management of companies and enterprises										319,768
5613	Employment services										90,349
5615	Travel arrangement and reservation services										25,190
561A	All other administrative and support services										190,312
5620	Waste management and remediation services							1,721			41,959
6100	Educational services	88									111,509
6210	Ambulatory health care services										381,108
6220	Hospitals										275,388
6230	Nursing and residential care facilities										92,222
6240	Social assistance										66,885
71A0	Performing arts, spectator sports, and museums										55,418
7130	Amusements, gambling, and recreation										71,822
7210	Accommodation										113,584
7220	Food services and drinking places							100			299,769
8111	Automotive repair and maintenance										84,918
811A	Electronic, commercial, and household goods repair										55,508
8120	Personal and laundry services	91,058									91,815
813A	Religious, grantmaking, and social advocacy organizations		54,376								54,852
813B	Civic, social, professional and similar organizations			44,727							48,695
8140	Private households				12,035						12,035
S001	Federal Government enterprises	2				60,927					74,622
S002	State and local government enterprises	1,191					42,330				124,356
S005	General government industry								937,812		951,027
S007	Inventory valuation adjustment									9,211	9,211
	Total commodity output	96,520	54,376	44,727	12,035	60,927	43,059	5,490	937,812	9,211	14,862,876

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Non- metallic mineral mining and quarrying	Support activities for mining
	For the composition of inputs to an industry read the column for that industry											Industry number
		1110	1120	1130	1140	1150	2110	2121	2122	2123	2130
1110	Crop products.....	7,241	26,094			663	(*)				
1120	Animal products.....		16,806	35		1,155					
1130	Forestry and logging products.....	5		7,899		25		14			
1140	Fish and other nonfarm animals.....				322						
1150	Agriculture and forestry support services.....	8,978	1,932	2,988	796						
2110	Oil and gas.....			3			11,556	5	65	136	11
2121	Coal.....		57	1				1,948	4	40	
2122	Metal ores.....								992		
2123	Nonmetallic minerals.....	303	7			1		1,062	20	912	18
2130	Mining support services.....						1,726	448	124	179	215
2211	Electric power.....	1,273	1,771	19	4	46	1,633	431	731	670	105
2212	Natural gas distribution.....	210		111	1	1	19	1		25	48
2213	Water and sewage treatment.....	909	209	3	3		73	3		8	20
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	443	299	7	350	24	3	(*)	(*)	(*)	26
3110	Food products.....	27	18,393	95	14	48					
3121	Beverage products.....		34		56						
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	87	6			20		19			
3140	Nonapparel textile products.....	156	94		45	362					
3150	Apparel.....						1	2			
3160	Leather and allied products.....	1	41				1				
3210	Wood products.....	547	95	29			2	41	28	2	20
3221	Pulp, paper, and paperboard.....		(*)	2	5	1	45	13	9	14	17
3222	Converted paper products.....	386	173	2	2	4	81	17	8	12	20
3230	Printed products.....	36	35	2	1	(*)	2	(*)		3	2
3240	Petroleum and coal products.....	3,588	1,685	192	317	56	800	562	332	554	853
3251	Basic chemicals.....	961					1,159	13	133	120	270
3252	Resins, rubber, and artificial fibers.....										
3253	Agricultural chemicals.....	12,439	671	5	3	1,278					2
3254	Pharmaceuticals and medicines.....		279				1				
3255	Paints, coatings, and adhesives.....	2	4	218		2					5
3256	Soaps, cleaning compounds, and toiletries.....		61		7		1				69
3259	Other chemical products.....	63	156	33	(*)	2	528	298	200	194	238
3260	Plastics and rubber products.....	720	299	42	8	16	449	335	197	154	115
3270	Nonmetallic mineral products.....	274	93	1		6	331	85	84	13	414
331A	Primary ferrous metal products.....	663	40				1,175	229	130	74	485
331B	Primary nonferrous metal products.....						1	12			
3315	Foundry products.....								121		
3321	Forgings and stampings.....		30			3	2	2	68	2	
3322	Cutlery and handtools.....	215	192	2		2	3	2	1	(*)	
3323	Architectural and structural metal products.....	104	85				107	60	24	77	280
3324	Boilers, tanks, and shipping containers.....		(*)			8					
332A	Ordnance and accessories.....										
332B	Other fabricated metal products.....	99	74	10	1	14	1,337	302	81	134	335
3331	Agriculture, construction, and mining machinery.....	750	592	14	7	9	730	866	527	494	447
3332	Industrial machinery.....										
3333	Commercial and service industry machinery.....			(*)			(*)		(*)		
3334	HVAC and commercial refrigeration equipment.....				1		51	16		2	
3335	Metalworking machinery.....		(*)	21		1	11	3	7	3	5
3336	Turbine and power transmission equipment.....						32	28	3	19	1
3339	Other general purpose machinery.....	688	550	24		(*)	254	174	129	181	229
3341	Computer and peripheral equipment.....						1				
334A	Audio, video, and communications equipment.....										
3344	Semiconductors and electronic components.....						2				
3345	Electronic instruments.....	(*)	1	1		2	1	1	2		101
3346	Magnetic media products.....						2	1	(*)	(*)	(*)
3351	Electric lighting equipment.....	2	5		1	1	1	11		1	22
3352	Household appliances.....										
3353	Electrical equipment.....	20	19		2		18	14	5	17	1
3359	Other electrical equipment and components.....	286	219	2	1	3	6	11	1		29
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	338	261	67	14	14	398	108	49	114	127
336A	Aerospace products and parts.....										
336B	Other transportation equipment.....			2				11			
3370	Furniture and related products.....						(*)	(*)		(*)	
3391	Medical equipment and supplies.....										1
3399	Other miscellaneous manufactured products.....	32	29	8	1	1	84	6	2	9	8

Industries Before Redefinitions, 1997

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Crop production	Animal production	Forestry and logging	Fishing, hunting and trapping	Agriculture and forestry support activities	Oil and gas extraction	Coal mining	Metal ores mining	Non- metallic mineral mining and quarrying	Support activities for mining
	For the composition of inputs to an industry read the column for that industry											Industry number
		1110	1120	1130	1140	1150	2110	2121	2122	2123	2130
4200	Wholesale trade	5,405	4,069	501	197	466	1,176	598	300	336	555
4A00	Retail trade	83	74	51	5	14	68	50	18	86	52
4810	Air transportation	116	95	4	4	122	41	24	12	13	36
4820	Rail transportation	400	779	5	26	25	68	750	22	48	41
4830	Water transportation	76	45	2	39	3	39	98	8	18	47
4840	Truck transportation	1,165	1,510	34	27	89	318	309	214	384	257
4850	Transit and ground passenger transportation	6	5				1	21	5	8	11
4860	Pipeline transportation	26	12	1	1	(*)	515	6	32	66	11
48A0	Sightseeing transportation and transportation support				138	2	2	4	2	1	4
4920	Courier and messenger services					(*)	109	24	11	17	20
4930	Warehousing and storage	776	679	10		(*)	184	27	19	91	187
5111	Newspapers, books, and directories	21	23	1		1	1	1		30	2
5112	Software										
5120	Motion pictures and sound recordings										(*)
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications	302	268	36		(*)	82	15	8	24	102
5141	Information services	22	19	3			6	1	(*)	1	6
5142	Data processing services			3		1	46	6	2	14	42
52A0	Monetary oversight and credit intermediation	1,541	1,037	268	47	115	967	245	109	164	275
5230	Securities, commodity contracts, investments	20	18	12	12	24	242	212	98	142	206
5240	Insurance carriers and related services	1,752	596	60	35	44	92	29	22	43	44
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	12,678	5,628	93	3	4	293	263	29	131	201
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	297	110	40	3	8	51	33	12	35	36
532A	Consumer goods and general rentals				1	(*)	(*)	3	4	2	30
532A	Machinery and equipment rental and leasing	374	137	112	40	40	537	304	68	202	257
5330	Rights to nonfinancial intangible assets						18,242	344	59	115	242
5411	Legal services	133	154	18	13	132	693	148	17	18	314
5412	Accounting and bookkeeping services	252	243	35	1	41	53	6	4	25	64
5413	Architectural and engineering services		(*)	1	3	751	432	161	138	112	371
5414	Specialized design services			(*)			54	2	1	1	2
5415	Computer systems design and related services			1		2	603	8	91	3	32
5416	Management and technical consulting services		(*)	2	8	1	246	56	28	37	97
5417	Scientific research and development services			14		8	1,096	42	29	134	272
5418	Advertising and related services	155	193	6	5	1	63	12	7	61	131
5419	Other professional and technical services	20	773	13	8	7	617	6	2	3	9
5500	Management of companies and enterprises			169		10	4,494	776	565	837	4,429
5613	Employment services					(*)	84	17	8	14	138
5615	Travel arrangement and reservation services				5	(*)	(*)	1			
561A	All other administrative and support services	(*)	2	10	11	4	168	44	29	47	238
5620	Waste management and remediation services	224	339	7	4		27	10	7	6	14
6100	Educational services						7	53	1	1	3
6210	Ambulatory health care services										
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums	16	12	20		(*)	1	626	3	169	516
7130	Amusements, gambling, and recreation	9	9	(*)	94	121	1	(*)	35	73	109
7210	Accommodations	56	40	1	(*)	1	13	3	1	29	16
7220	Food and beverage services to customer order	32	30	(*)		(*)	8	(*)	46	47	43
8111	Automotive repair and maintenance	231	177	113		(*)	12	2	2	2	14
811A	Electronic, commercial, and household goods repair	831	650	297	2	1	58	19	2	17	76
8120	Personal and laundry services		3			16	1	1			(*)
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	208	235	1		(*)	88	19	9	14	19
8140	Private household services										
S001	Federal Government enterprise services	46	42	9	3	6	1	1	10	9	19
S002	State and local government enterprise services			5	4		1	3	3		1
S003	Noncomparable imports	26	23	4	9		317	14	202	6	242
S004	Scrap, used and secondhand goods		(*)			1					
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	69,146	89,415	13,799	2,705	5,826	54,838	12,546	6,369	7,800	14,368
	Total value added	65,788	15,692	14,317	3,343	6,510	36,736	10,862	4,922	9,382	10,831
V001	Compensation of employees	12,617	5,840	3,181	512	5,984	6,835	5,415	2,635	4,474	7,323
V002	Indirect business tax and nontax liability	2,571	1,832	825	352	273	6,899	2,322	530	482	1,328
V003	Other value added	50,601	8,020	10,311	2,479	253	23,002	3,126	1,758	4,426	2,179
	Total industry output	134,934	105,107	28,115	6,048	12,335	91,575	23,408	11,291	17,181	25,198

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Power generation and supply	Natural gas distribution	Water, sewage and other systems	New residential construc- tion	New non- residential construc- tion	Mainte- nance and repair construc- tion	Food manufac- turing	Beverage manufac- turing	Tobacco manufac- turing	Textile mills
	For the composition of inputs to an industry read the column for that industry											Industry number
		2211	2212	2213	2301	2302	2303	3110	3121	3122	3130
1110	Crop products.....	23	6		591	319	212	40,104	1,246	2,872	3,295
1120	Animal products.....							77,957			336
1130	Forestry and logging products.....							60	11		3
1140	Fish and other nonfarm animals.....							2,606			
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	14,930	21,544					14	1	1	5
2121	Coal.....	15,098						96	13	12	23
2122	Metal ores.....										
2123	Nonmetallic minerals.....				1,649	1,734	898				
2130	Mining support services.....										
2211	Electric power.....	58	52	97	722	1,131	336	2,784	296	78	1,186
2212	Natural gas distribution.....	8	43	65	177	316	98	2,039	172	173	459
2213	Water and sewage treatment.....	149	16		109	114	80	8	16	(*)	2
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	3,531	69	578	245	456	131	645	64	13	172
3110	Food products.....							66,089	8,614		4
3121	Beverage products.....							212	1,403		
3122	Tobacco products.....									3,922	
3130	Yarn, fabrics, and other textile mill products.....	3	1		54	44	24	3	3		12,205
3140	Nonapparel textile products.....	2			546	309	166	122	21	3	177
3150	Apparel.....	2	(*)					1	1		139
3160	Leather and allied products.....	3	2		1	1	1	9	(*)	(*)	(*)
3210	Wood products.....	523	54	3	12,006	7,793	4,045	273	153	2	63
3221	Pulp, paper, and paperboard.....	164	7	7	111	201	79	687	54	190	119
3222	Converted paper products.....	220	29	8	1,239	514	226	11,498	1,459	509	269
3230	Printed products.....	97	31	4	28	35	16	985	446	233	462
3240	Petroleum and coal products.....	2,630	574	56	2,793	7,435	3,288	465	49	52	83
3251	Basic chemicals.....	179	4	19	59	132	33	1,183	45	10	1,147
3252	Resins, rubber, and artificial fibers.....							193		404	9,782
3253	Agricultural chemicals.....				395	446	143	1	(*)		
3254	Pharmaceuticals and medicines.....							1,214			
3255	Paints, coatings, and adhesives.....	122	5	1	2,272	1,462	950	23	3	2	134
3256	Soaps, cleaning compounds, and toiletries.....	4	1		25	37	20	389	35	54	97
3259	Other chemical products.....	138	9	39	184	307	134	843	72	16	88
3260	Plastics and rubber products.....	793	117	71	6,301	6,669	2,675	7,578	2,416	103	230
3270	Nonmetallic mineral products.....	1,233	105	42	13,977	12,581	2,723	1,169	2,499	1	365
331A	Primary ferrous metal products.....	352	91	8	1,167	1,386	674	14	(*)	2	1
331B	Primary nonferrous metal products.....	400	9		163	279	105	1			(*)
3315	Foundry products.....	16	36		423	161	43				
3321	Forgings and stampings.....	141	24	1	125	541	255	276	20		3
3322	Cutlery and handtools.....	27	11	(*)	427	16	24	17	55	1	1
3323	Architectural and structural metal products.....	521	105	2	5,649	13,601	2,808	35	3		9
3324	Boilers, tanks, and shipping containers.....	1	(*)	8	443	1,189	161	2,973	5,898	(*)	(*)
332A	Ordnance and accessories.....										
332B	Other fabricated metal products.....	1,384	60	34	4,884	6,846	1,780	946	282	176	263
3331	Agriculture, construction, and mining machinery.....	9	1		326	66	79				
3332	Industrial machinery.....						(*)	34			456
3333	Commercial and service industry machinery.....	3			347	1,422	1	1	(*)		(*)
3334	HVAC and commercial refrigeration equipment.....	43	101		3,077	3,239	1,571	96	12	6	3
3335	Metalworking machinery.....	19	4	1			(*)	29	11	8	15
3336	Turbine and power transmission equipment.....	262	44				(*)				
3339	Other general purpose machinery.....	94	2	(*)	560	3,087	183	97	221	(*)	5
3341	Computer and peripheral equipment.....	1	1					4	4	4	3
334A	Audio, video, and communications equipment.....				269	1,575	175	18	17		6
3344	Semiconductors and electronic components.....	2	1		133			1	513	75	565
3345	Electronic instruments.....	75	13	78	278	772	174	13	3	3	1
3346	Magnetic media products.....	16	6	(*)	8	11	4	9	7	1	8
3351	Electric lighting equipment.....	126	33	17	1,093	4,000	638	35	5	6	2
3352	Household appliances.....		8		947	273	190				
3353	Electrical equipment.....	1,008	32		623	761	330	523	73	16	63
3359	Other electrical equipment and components.....	1,521	90	7	3,050	2,842	1,183	20	5	1	4
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	92	28	12	1,095	1,497	574	138	42	1	5
3364	Aerospace products and parts.....										
336B	Other transportation equipment.....	3	(*)		24	28	14				
3370	Furniture and related products.....	74	12	1	3,994	1,291	538	13	1	(*)	4
3391	Medical equipment and supplies.....					249		15			
3399	Other miscellaneous manufactured products.....	20	12	2	305	310	78	149	9	10	5

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Power generation and supply	Natural gas distribution	Water, sewage and other systems	New residential construc- tion	New non- residential construc- tion	Mainte- nance and repair construc- tion	Food manufac- turing	Beverage manufac- turing	Tobacco manufac- turing	Textile mills
	For the composition of inputs to an industry read the column for that industry											Industry number	2211	2212	2213	2301	2302	2303	3110	3121	3122	3130
4200	Wholesale trade	2,025	207	95	8,468	9,306	3,047	23,775	4,442	937	2,777
4A00	Retail trade	104	25	22	19,889	11,913	6,260	1,106	225	63	97
4810	Air transportation	251	71	6	429	732	213	1,595	272	91	186
4820	Rail transportation	5,852	10	2	539	502	200	2,241	173	24	204
4830	Water transportation	602	6	1	165	215	95	168	27	6	30
4840	Truck transportation	932	50	18	3,427	4,038	1,469	7,552	1,043	224	1,197
4850	Transit and ground passenger transportation	27	9	(*)	30	41	16	111	18	11	17
4860	Pipeline transportation	6,679	9,752	1	9	39	12	1	.....	.....	(*)
48A0	Sightseeing transportation and transportation support	74	10	.....	72	513	142	362	14	23	139
4920	Courier and messenger services	643	18	13	517	505	132	476	69	42	70
4930	Warehousing and storage	7	1	.....	2	29	8	1,415	96	34	125
5111	Newspapers, books, and directories	13	1	1	1	1	(*)	13	5	(*)	4
5112	Software .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5120	Motion pictures and sound recordings	2	.....	.....	32	54	17	179	62	83	9
5131	Radio and television broadcasting .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5132	Cable networks and program distribution .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5133	Telecommunications	259	68	65	1,792	2,692	779	758	95	28	94
5141	Information services	69	5	2	101	190	54	67	6	2	51
5142	Data processing services	313	10	.....	120	130	90	697	104	38	82
52A0	Monetary oversight and credit intermediation	2,517	532	56	2,841	3,766	1,238	4,316	646	393	595
5230	Securities, commodity contracts, investments	490	78	9	1,024	1,000	307	637	128	73	60
5240	Insurance carriers and related services	428	212	24	1,034	2,980	641	2,093	140	49	72
5250	Funds, trusts, and other financial vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5310	Real estate	1,682	168	37	1,413	2,500	732	966	181	27	243
S008	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5321	Automotive equipment rental and leasing	106	35	6	126	756	240	736	100	17	98
532A	Consumer goods and general rentals	2	1	.....	66	48	31	162	25	3	22
5324	Machinery and equipment rental and leasing	301	81	4	1,311	4,860	1,421	449	68	11	66
5330	Rights to nonfinancial intangible assets	152	75	17	108	81	47	2,435	1,568	1,079	135
5411	Legal services	3,246	243	77	1,462	768	110	309	85	377	52
5412	Accounting and bookkeeping services	305	207	177	830	909	612	312	32	4	84
5413	Architectural and engineering services	1,458	353	17	8,267	27,404	3,975	615	105	80	88
5414	Specialized design services	61	16	1	339	51	16	63	20	7	8
5415	Computer systems design and related services	565	47	1	204	247	131	129	20	219	20
5416	Management and technical consulting services	861	187	61	968	976	356	776	118	69	113
5417	Scientific research and development services	181	45	5	26	11	3	1,294	185	52	260
5418	Advertising and related services	1,764	21	2	370	389	286	3,319	921	238	48
5419	Other professional and technical services	930	180	12	108	118	41	2,193	386	222	368
5500	Management of companies and enterprises	264	62	21	531	858	310	15,083	1,694	4,088	1,974
5613	Employment services	910	234	17	1,647	2,257	604	480	76	47	67
5615	Travel arrangement and reservation services	8	(*)	.....	1	.....	1	9	1	2	1
561A	All other administrative and support services	1,371	240	22	1,916	2,294	663	901	139	82	144
5620	Waste management and remediation services	94	22	2	354	397	246	556	70	158	68
6100	Educational services	654	90	1	36	33	8	32	5	3	4
6210	Ambulatory health care services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6220	Hospital care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6230	Nursing and residential care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6240	Social assistance .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71A0	Performing arts, spectator sports, and museums	40	13	1	46	83	150	202	28	17	27
7130	Amusements, gambling, and recreation	23	7	1	29	46	14	115	16	10	16
7210	Accommodations	127	27	3	164	296	95	648	90	54	89
7220	Food and beverage services to customer order	1,668	65	5	240	380	121	953	146	88	167
8111	Automotive repair and maintenance	145	54	2	434	1,232	374	753	62	50	184
811A	Electronic, commercial, and household goods repair	352	88	134	1,300	3,542	1,099	2,124	169	143	533
8120	Personal and laundry services	167	2	1	.....	.....	.....	96	73	.....	136
813A	Religious, grantmaking, and social advocacy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
813B	Civic, social, professional and similar organizations	205	54	5	565	498	121	357	48	29	48
8140	Private household services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S001	Federal Government enterprise services	569	180	30	237	296	127	155	153	56	44
S002	State and local government enterprise services	14	8	.....	171	181	126	380	159	40	63
S003	Noncomparable imports	41	20	.....	184	229	.....	620	78	34	46
S004	Scrap, used and secondhand goods .....	(*)	.....	.....	4	3	2	.....	.....	.....	24
S005	General government services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S006	Rest of the world adjustment to final uses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S007	Inventory valuation adjustment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total intermediate inputs	85,670	37,277	2,137	136,837	177,862	54,638	309,485	40,657	18,383	43,325
	Total value added	139,855	19,332	3,986	94,163	160,283	46,427	101,037	26,358	23,229	15,016
V001	Compensation of employees	32,830	6,962	1,426	70,845	144,100	39,761	49,552	6,661	2,204	12,405
V002	Indirect business tax and nontax liability	23,107	5,420	209	1,989	3,215	1,143	2,936	7,660	5,991	395
V003	Other value added	83,919	6,950	2,351	21,329	12,968	5,523	48,549	12,038	15,034	2,217
	Total industry output	225,526	56,609	6,123	231,000	338,145	101,065	410,522	67,015	41,612	58,341

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Textile product mills	Apparel manufac- turing	Leather and allied product manufac- turing	Wood product manufac- turing	Pulp, paper, and paper- board mills	Converted paper product manufac- turing	Printing and related support activities	Petroleum and coal products manufac- turing	Basic chemical manufac- turing	Resin, rubber, and artificial fibers manufac- turing
		3140	3150	3160	3210	3221	3222	3230	3240	3251	3252
1110	Crop products.....	24	2						(*)	708	
1120	Animal products.....	34	5								
1130	Forestry and logging products.....		33	12	14,619	4,423	17	11	2	67	2
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	1	2	1	7	16	1	4	91,368	1,317	884
2121	Coal.....	2	2		2	234	25		7	52	16
2122	Metal ores.....								32	1,073	
2123	Nonmetallic minerals.....					278			704	229	
2130	Mining support services.....										
2211	Electric power.....	222	435	56	990	1,967	604	788	1,687	3,080	944
2212	Natural gas distribution.....	125	165	26	295	1,932	209	277	2,175	1,691	663
2213	Water and sewage treatment.....	(*)	(*)	(*)	3	19	1	1	11	84	7
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	45	80	13	121	224	172	180	163	542	210
3110	Food products.....	30		986	18	876	76	52	162	1	28
3121	Beverage products.....										
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	8,002	18,810	437	2	253	855	497			13
3140	Nonapparel textile products.....	633	375	2	312	82	91	(*)	1	2	2
3150	Apparel.....	242	6,202		1	5	62	557			2
3160	Leather and allied products.....	563	352	2,107	11	1	(*)	564	3	1	1
3210	Wood products.....	49	13	63	21,424	3,320	79	31	34	164	41
3221	Pulp, paper, and paperboard.....	37	89	10	49	5,475	25,188	14,427	211	67	105
3222	Converted paper products.....	68	130	80	290	926	2,134	3,270	278	479	442
3230	Printed products.....	9	497	1	10	11	160	5,422	8	12	27
3240	Petroleum and coal products.....	15	54	5	174	705	255	161	16,832	5,019	471
3251	Basic chemicals.....	198	21	117	198	4,306	315	92	3,256	26,393	22,546
3252	Resins, rubber, and artificial fibers.....	3,908	446	80	539	446	555	37		82	3,177
3253	Agricultural chemicals.....					5				554	40
3254	Pharmaceuticals and medicines.....										
3255	Paints, coatings, and adhesives.....	21	1	34	478	72	1,193	281	3	64	24
3256	Soaps, cleaning compounds, and toiletries.....	16	30	124	2	220	32		548	309	90
3259	Other chemical products.....	103	58	10	104	579	748	3,260	301	912	357
3260	Plastics and rubber products.....	220	77	363	807	759	2,056	655	362	1,248	476
3270	Nonmetallic mineral products.....	4	5	2	1,014	150	11	13	773	218	40
331A	Primary ferrous metal products.....	8	3		55	4	146	157	19	250	3
331B	Primary nonferrous metal products.....		(*)		15	1	197	4	1	25	1
3315	Foundry products.....				3		1		(*)		
3321	Forgings and stampings.....	1	56	3	98	4	179	4	8	10	4
3322	Cutlery and handtools.....	1	10	(*)	12	37	55	2	3	6	8
3323	Architectural and structural metal products.....	1	5		697	21	21	10	16	105	18
3324	Boilers, tanks, and shipping containers.....					51	1	(*)	150	436	4
332A	Ordinance and accessories.....										
332B	Other fabricated metal products.....	158	290	106	1,315	697	635	498	874	1,719	522
3331	Agriculture, construction, and mining machinery.....										
3332	Industrial machinery.....					378		1,025		609	
3333	Commercial and service industry machinery.....	(*)			1	1	1	60	1	1	1
3334	HVAC and commercial refrigeration equipment.....	(*)	57		128	7	7	3	4	247	130
3335	Metalworking machinery.....	10	2	1	31	34	45	72	20	40	27
3336	Turbine and power transmission equipment.....										
3339	Other general purpose machinery.....	1	1	1	9	5	4	77	10	19	68
3341	Computer and peripheral equipment.....		(*)			(*)		69	(*)		
334A	Audio, video, and communications equipment.....	(*)	(*)		(*)	1	1	5	1	4	2
3344	Semiconductors and electronic components.....	325	654	86	863	737	805	906	356	1,045	680
3345	Electronic instruments.....	(*)	1		1	112	12	184	19	629	4
3346	Magnetic media products.....	(*)	1	(*)	(*)	1	1	6	1	2	1
3351	Electric lighting equipment.....	(*)	1		18	4	5	2	7	7	3
3352	Household appliances.....				392	(*)		(*)	(*)	1	(*)
3353	Electrical equipment.....	36	186	7	282	154	96	80	298	312	211
3359	Other electrical equipment and components.....	1	2		57	7	9	5	5	105	6
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	3	17		414	19	11	31	14	13	1
3364	Aerospace products and parts.....										
336B	Other transportation equipment.....				1						
3370	Furniture and related products.....	1	2		286	6	4	4	7	13	5
3391	Medical equipment and supplies.....				3				1	10	
3399	Other miscellaneous manufactured products.....	4	689	13	44	10	8	39	8	333	118

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Textile product mills	Apparel manufac- turing	Leather and allied product manufac- turing	Wood product manufac- turing	Pulp, paper, and paper- board mills	Converted paper product manufac- turing	Printing and related support activities	Petroleum and coal products manufac- turing	Basic chemical manufac- turing	Resin, rubber, and artificial fibers manufac- turing
	For the composition of inputs to an industry read the column for that industry											Industry number
		3140	3150	3160	3210	3221	3222	3230	3240	3251	3252
4200	Wholesale trade	1,487	3,254	643	5,705	4,173	4,103	5,260	8,740	6,111	3,036
4A00	Retail trade	22	22	8	118	116	155	72	86	211	121
4810	Air transportation	101	269	42	260	220	305	479	445	343	196
4820	Rail transportation	76	23	8	505	441	462	472	398	527	342
4830	Water transportation	162	1	2	76	128	19	18	360	186	32
4840	Truck transportation	591	580	158	2,648	1,908	2,052	2,213	1,019	1,435	1,097
4850	Transit and ground passenger transportation	7	20	2	21	23	21	29	55	35	20
4860	Pipeline transportation .....	.....	(*)	.....	1	6	2	1	5,750	271	181
48A0	Sightseeing transportation and transportation support	20	5	1	35	25	16	35	169	21	43
4920	Courier and messenger services	24	77	12	103	83	90	113	213	127	77
4930	Warehousing and storage	48	347	9	119	70	99	295	354	725	374
5111	Newspapers, books, and directories	1	.....	.....	20	16	39	230	6	21	2
5112	Software .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5120	Motion pictures and sound recordings	3	19	2	3	4	7	7	16	13	19
5131	Radio and television broadcasting .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5132	Cable networks and program distribution .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5133	Telecommunications	75	115	22	179	101	169	452	137	202	72
5141	Information services	5	7	1	12	6	10	30	8	13	4
5142	Data processing services	57	126	20	145	121	134	186	99	272	124
52A0	Monetary oversight and credit intermediation	308	727	101	916	772	812	1,043	1,901	1,197	681
5230	Securities, commodity contracts, investments	49	80	18	142	56	143	124	388	144	139
5240	Insurance carriers and related services	37	73	16	118	103	94	124	140	143	69
5250	Funds, trusts, and other financial vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5310	Real estate	186	446	46	235	165	424	1,053	212	230	65
S008	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5321	Automotive equipment rental and leasing	72	133	20	121	121	159	450	130	296	100
532A	Consumer goods and general rentals	15	33	4	25	31	38	116	30	76	24
5324	Machinery and equipment rental and leasing	48	91	14	80	81	106	308	94	215	68
5330	Rights to nonfinancial intangible assets	32	179	32	136	33	36	100	1,147	2,129	104
5411	Legal services	35	67	23	115	69	63	216	670	670	395
5412	Accounting and bookkeeping services	36	83	16	98	25	57	275	95	225	104
5413	Architectural and engineering services	47	129	22	156	95	158	160	720	2,319	578
5414	Specialized design services	4	11	3	13	10	10	21	21	15	8
5415	Computer systems design and related services	12	35	7	27	41	30	186	245	65	42
5416	Management and technical consulting services	45	125	19	173	146	146	191	798	688	125
5417	Scientific research and development services	94	303	16	222	122	186	652	747	1,685	872
5418	Advertising and related services	127	218	151	169	39	135	558	76	241	55
5419	Other professional and technical services	194	404	64	545	430	477	599	1,083	716	402
5500	Management of companies and enterprises	858	2,235	458	1,172	2,082	3,871	2,716	3,640	6,864	3,533
5613	Employment services	34	76	11	101	82	88	116	207	146	83
5615	Travel arrangement and reservation services .....	.....	2	.....	(*)	(*)	1	1	(*)	1	2
561A	All other administrative and support services	61	1,766	26	218	168	174	288	344	273	147
5620	Waste management and remediation services	35	45	15	130	271	120	176	239	431	183
6100	Educational services	2	5	1	6	46	6	30	98	8	79
6210	Ambulatory health care services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6220	Hospital care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6230	Nursing and residential care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6240	Social assistance .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71A0	Performing arts, spectator sports, and museums	14	32	4	42	34	37	47	84	54	32
7130	Amusements, gambling, and recreation	8	18	2	25	19	21	27	48	31	18
7210	Accommodations	47	101	15	137	109	118	149	266	173	98
7220	Food and beverage services to customer order	87	214	26	257	189	191	253	429	293	168
8111	Automotive repair and maintenance	50	36	11	280	540	198	218	412	472	190
811A	Electronic, commercial, and household goods repair	144	114	32	804	1,483	566	645	1,198	1,478	579
8120	Personal and laundry services	21	19	2	4	7	.....	.....	2	7	3
813A	Religious, grantmaking, and social advocacy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
813B	Civic, social, professional and similar organizations	25	54	8	72	59	63	79	143	92	53
8140	Private household services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S001	Federal Government enterprise services	38	54	16	58	49	43	136	55	74	19
S002	State and local government enterprise services	74	211	34	133	188	94	103	62	111	69
S003	Noncomparable imports	32	29	28	32	28	65	84	279	631	282
S004	Scrap, used and secondhand goods	74	.....	.....	.....	2,053	25	.....	.....	.....	.....
S005	General government services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S006	Rest of the world adjustment to final uses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S007	Inventory valuation adjustment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total intermediate inputs	20,747	42,870	6,936	62,909	46,759	53,522	54,956	154,598	83,007	47,528
	Total value added	10,281	23,970	3,395	25,756	24,672	23,751	42,720	19,796	30,912	16,669
V001	Compensation of employees	6,201	15,372	2,248	17,837	12,340	15,677	30,745	7,151	13,264	6,986
V002	Indirect business tax and nontax liability	162	278	54	1,229	574	774	848	1,794	1,868	1,020
V003	Other value added	3,919	8,320	1,092	6,689	11,758	7,299	11,128	10,851	15,780	8,663
	Total industry output	31,028	66,840	10,331	88,665	71,431	77,273	97,676	174,393	113,919	64,197

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletary manufacturing	Other chemical product and preparation manufacturing	Plastics and rubber products manufacturing	Non-metallic mineral product manufacturing	Iron and steel mills and forming steel products	Nonferrous metal production and processing	Foundries
	For the composition of inputs to an industry read the column for that industry											Industry number
		3253	3254	3255	3256	3259	3260	3270	331A	331B	3315
1110	Crop products.....		340			158					
1120	Animal products.....				1						
1130	Forestry and logging products.....	22	1	18		2	1,186	1		8	
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	847	43	11	25	40	18	21	8	8	2
2121	Coal.....	7	4	1	2	3	4	239	1,803	73	33
2122	Metal ores.....	26		35		2		73	2,162	3,050	248
2123	Nonmetallic minerals.....	838	1	186		82	1	4,735	317	5	188
2130	Mining support services.....										
2211	Electric power.....	284	432	134	193	285	2,421	1,612	1,800	1,721	685
2212	Natural gas distribution.....	258	148	36	86	115	363	1,618	927	433	197
2213	Water and sewage treatment.....	4	2	(*)	1	1	1	2	200	2	1
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	84	188	35	71	86	314	256	195	166	78
3110	Food products.....	375	270	341	743	261	63	22	1		
3121	Beverage products.....										
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....		6	2	10	6	1,626	206	1	5	1
3140	Nonapparel textile products.....	(*)	1	(*)	5	2	1,594	13	1	(*)	(*)
3150	Apparel.....						9				
3160	Leather and allied products.....	(*)	1	(*)	(*)	(*)	1	(*)	1	(*)	(*)
3210	Wood products.....	15	37	6	13	22	207	373	55	138	68
3221	Pulp, paper, and paperboard.....	15	24	16	74	747	1,112	897	42	31	16
3222	Converted paper products.....	180	1,031	258	1,536	529	2,343	1,037	75	61	155
3230	Printed products.....	100	616	21	254	2	43	11	11	4	1
3240	Petroleum and coal products.....	178	75	278	622	603	572	237	696	169	80
3251	Basic chemicals.....	2,891	1,738	4,207	3,897	4,307	6,947	1,845	698	223	84
3252	Resins, rubber, and artificial fibers.....			2,933		2,304	27,002	145		37	
3253	Agricultural chemicals.....	2,661		4		198				2	
3254	Pharmaceuticals and medicines.....		15,849								
3255	Paints, coatings, and adhesives.....	2	4	322	106	508	238	513	5	3	2
3256	Soaps, cleaning compounds, and toiletries.....	66	2	8	3,182	126	134	65		(*)	
3259	Other chemical products.....	24	439	121	438	2,584	1,759	323	166	129	27
3260	Plastics and rubber products.....	129	1,790	439	3,110	476	9,647	889	112	99	62
3270	Nonmetallic mineral products.....	16	389	350	214	160	1,176	8,705	1,336	458	460
331A	Primary ferrous metal products.....	1	2	(*)	3	4	939	562	15,795	199	840
331B	Primary nonferrous metal products.....	(*)	1	1		2	88	102	2,018	24,906	3,399
3315	Foundry products.....					19	30		254		190
3321	Forgings and stampings.....	1	80	86	122	30	130	68	174	5	163
3322	Cutlery and handtools.....	(*)	1	(*)	1	3	68	39	12	8	6
3323	Architectural and structural metal products.....	6	19	2	4	5	24	181	101	14	3
3324	Boilers, tanks, and shipping containers.....	70	55	664	441	98		2	6	5	2
332A	Ordnance and accessories.....										
332B	Other fabricated metal products.....	162	28	151	348	412	1,817	712	1,135	864	1,126
3331	Agriculture, construction, and mining machinery.....										
3332	Industrial machinery.....			50		44	734			55	126
3333	Commercial and service industry machinery.....				(*)	6	8	1	4	1	2
3334	HVAC and commercial refrigeration equipment.....	2	5	2	10	133	115	5	208	2	6
3335	Metalworking machinery.....	1	(*)	2	7	27	284	109	233	360	378
3336	Turbine and power transmission equipment.....					1	15	4	161	85	129
3339	Other general purpose machinery.....	(*)	12	100	87	32	82	17	85	12	11
3341	Computer and peripheral equipment.....		1			15	99		(*)		
334A	Audio, video, and communications equipment.....	1	1	(*)	(*)	16	2	1	1	1	(*)
3344	Semiconductors and electronic components.....	250	43	273	382	387	1,885	821	817	648	320
3345	Electronic instruments.....	5	21	3	23	47	121	20	9	3	(*)
3346	Magnetic media products.....	1	2	(*)	1	2	41	1	2	1	1
3351	Electric lighting equipment.....	1	3	1	7	2	14	4	68	2	1
3352	Household appliances.....		(*)				(*)		(*)		
3353	Electrical equipment.....	24	56	36	34	101	759	71	248	85	8
3359	Other electrical equipment and components.....	2	6	1	2	6	36	80	895	541	20
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	4	27	3	2	2	12	74	18	8	2
3364	Aerospace products and parts.....										
336B	Other transportation equipment.....										
3370	Furniture and related products.....	2	5	1	3	3	13	5	13	4	4
3391	Medical equipment and supplies.....					34	50	54	53		
3399	Other miscellaneous manufactured products.....	2	10	1	10	98	32	135	9	14	4

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Agricultural chemical manufacturing	Pharmaceutical and medicine manufacturing	Paint, coating, and adhesive manufacturing	Soap, cleaning compound, and toiletary manufacturing	Other chemical product and preparation manufacturing	Plastics and rubber products manufacturing	Non- metallic mineral product manufacturing	Iron and steel mills and forming steel products	Nonferrous metal production and processing	Foundries
	For the composition of inputs to an industry read the column for that industry											Industry number
		3253	3254	3255	3256	3259	3260	3270	331A	331B	3315
4200	Wholesale trade	1,160	4,121	1,157	2,730	2,548	6,992	2,638	6,568	4,256	1,439
4A00	Retail trade	47	74	31	250	67	364	211	44	16	5
4810	Air transportation	62	262	75	173	119	535	226	277	244	100
4820	Rail transportation	166	39	134	95	165	737	574	1,403	468	137
4830	Water transportation	22	5	56	39	50	86	420	209	164	28
4840	Truck transportation	1,186	355	756	573	802	4,436	4,180	2,388	1,700	677
4850	Transit and ground passenger transportation	6	29	7	15	10	48	21	22	13	8
4860	Pipeline transportation	352	1	2	6	6	4	1	4	1	(*)
48A0	Sightseeing transportation and transportation support	14	1	6	17	10	45	83	64	25	16
4920	Courier and messenger services	25	98	11	61	43	184	99	91	71	33
4930	Warehousing and storage	113	688	145	299	145	247	170	82	67	51
5111	Newspapers, books, and directories	(*)	(*)	(*)	1	1	14	3	118	(*)	(*)
5112	Software										
5120	Motion pictures and sound recordings	7	141	10	83	2	17				
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications	23	202	68	108	89	390	217	97	77	54
5141	Information services	1	13	4	7	6	34	14	6	5	3
5142	Data processing services	60	315	75	119	75	208	153	154	101	52
52A0	Monetary oversight and credit intermediation	239	887	253	523	373	1,648	880	831	615	300
5230	Securities, commodity contracts, investments	52	65	38	99	64	243	174	180	172	76
5240	Insurance carriers and related services	31	13	22	37	39	178	139	111	78	40
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	42	164	94	173	119	981	377	71	74	78
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	39	74	70	117	71	349	242	137	59	50
532A	Consumer goods and general rentals	8	19	18	29	17	88	57	34	14	10
532A	Machinery and equipment rental and leasing	26	49	49	80	47	237	163	107	39	33
5330	Rights to nonfinancial intangible assets	80	3,405	7	915	59	265	153	119	50	93
5411	Legal services	148	376	165	290	111	299	126	90	77	56
5412	Accounting and bookkeeping services	32	234	56	105	72	219	130	34	32	39
5413	Architectural and engineering services	122	195	145	198	197	618	193	145	116	55
5414	Specialized design services	3	33	2	20	5	26	13	10	7	4
5415	Computer systems design and related services	6	70	12	23	125	87	32	64	23	13
5416	Management and technical consulting services	43	158	26	99	70	314	169	149	122	58
5417	Scientific research and development services	258	1,616	334	691	334	494	345	144	117	104
5418	Advertising and related services	35	1,769	128	1,029	64	450	223	29	42	47
5419	Other professional and technical services	150	858	158	319	237	972	523	480	383	345
5500	Management of companies and enterprises	1,036	6,623	1,352	2,798	1,571	4,805	3,040	1,332	1,100	1,270
5613	Employment services	30	116	29	66	47	181	97	89	71	32
5615	Travel arrangement and reservation services	(*)	(*)	1	3	(*)	2	(*)	(*)	(*)	(*)
561A	All other administrative and support services	64	174	35	121	86	387	217	175	139	74
5620	Waste management and remediation services	82	179	145	78	100	303	195	312	140	128
6100	Educational services	2	273	1	28	3	43	6	6	5	2
6210	Ambulatory health care services										
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums	11	43	13	26	18	75	40	37	33	13
7130	Amusements, gambling, and recreation	7	25	7	15	10	43	23	21	17	8
7210	Accommodations	37	137	40	81	58	241	132	118	94	44
7220	Food and beverage services to customer order	58	220	63	132	100	424	227	201	164	92
8111	Automotive repair and maintenance	82	87	27	65	114	437	431	505	236	131
811A	Electronic, commercial, and household goods repair	245	319	91	213	338	1,259	1,236	1,429	673	376
8120	Personal and laundry services		32			(*)	4	9	14	9	7
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	20	70	21	41	31	128	70	63	50	23
8140	Private household services										
S001	Federal Government enterprise services	5	3	10	52	16	88	54	61	21	23
S002	State and local government enterprise services	51	38	3	19	52	134	203	74	120	31
S003	Noncomparable imports	246	3,747	107	622	307	363	246	79	103	2
S004	Scrap, used and secondhand goods					56	155	102	5,854	4,636	1,698
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	16,089	52,218	17,194	29,785	24,198	97,063	46,130	57,563	51,486	17,088
	Total value added	7,920	37,526	8,565	23,215	13,718	60,535	39,768	19,766	10,796	11,680
V001	Compensation of employees	1,910	12,597	3,681	5,767	6,292	37,920	20,933	13,920	8,513	9,742
V002	Indirect business tax and nontax liability	389	1,663	426	727	429	1,273	973	679	571	256
V003	Other value added	5,621	23,267	4,458	16,721	6,997	21,342	17,863	5,167	1,712	1,682
	Total industry output	24,009	89,743	25,759	53,001	37,916	157,597	85,898	77,329	62,282	28,768

* Less than \$500,000.

Table 2. The Use of Commodities by
 [Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Forging and stamping	Cutlery and handtool manufac- turing	Architec- tural and structural metals manufac- turing	Boiler, tank, and shipping container manufac- turing	Ordnance and acces- sories manufac- turing	Other fabricated metal product manufac- turing	Agri- culture, construc- tion, and mining machinery	Industrial machinery manufac- turing	Commer- cial and service industry machinery	HVAC and commer- cial refrig- eration equipment
		3321	3322	3323	3324	332A	332B	3331	3332	3333	3334
1110	Crop products.....										
1120	Animal products.....										
1130	Forestry and logging products.....										
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	2	(*)	1	1	(*)	5	1	1	(*)	1
2121	Coal.....	(*)	(*)	1	(*)		2	1	1	(*)	1
2122	Metal ores.....						53	8			
2123	Nonmetallic minerals.....		3				27		1		3
2130	Mining support services.....										
2211	Electric power.....	261	98	296	222	52	1,314	214	175	123	146
2212	Natural gas distribution.....	129	28	123	78	19	495	89	46	29	46
2213	Water and sewage treatment.....	(*)	(*)	(*)	(*)		1	(*)		1	(*)
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	65	28	98	54	3	345	103	67	43	102
3110	Food products.....										
3121	Beverage products.....										
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	(*)	1				32		11	26	85
3140	Nonapparel textile products.....	(*)		(*)	(*)		49	(*)		(*)	13
3150	Apparel.....					6	3		3	(*)	1
3160	Leather and allied products.....	(*)		(*)	(*)		1	(*)	(*)	(*)	(*)
3210	Wood products.....	24	55	21	9	61	129	41	60	9	80
3221	Pulp, paper, and paperboard.....	43	16	26	11	4	279	25	131	32	43
3222	Converted paper products.....	143	185	158	104	39	521	51	62	396	258
3230	Printed products.....	1	(*)	30	71	(*)	10	5	4	3	1
3240	Petroleum and coal products.....	43	26	54	27	7	246	229	17	65	21
3251	Basic chemicals.....	35	13	43	60	34	525	149	534	59	109
3252	Resins, rubber, and artificial fibers.....	58	66			80	287		3	317	56
3253	Agricultural chemicals.....										
3254	Pharmaceuticals and medicines.....										
3255	Paints, coatings, and adhesives.....	98	12	621	350	1	720	238	103	74	206
3256	Soaps, cleaning compounds, and toiletries.....	2	(*)	(*)	5		10			3	6
3259	Other chemical products.....	157	20	449	151	177	773	28	30	164	30
3260	Plastics and rubber products.....	74	285	127	28	36	1,027	3,081	545	966	385
3270	Nonmetallic mineral products.....	91	44	293	58	15	434	131	261	344	175
331A	Primary ferrous metal products.....	3,769	820	6,741	2,918	81	10,059	3,682	1,139	519	1,470
331B	Primary nonferrous metal products.....	1,363	179	3,526	4,374	95	3,354	133	429	198	1,174
3315	Foundry products.....	93	161	259	96	53	3,214	1,678	663	247	632
3321	Forgings and stampings.....	423	174	442	349	62	1,531	1,153	419	322	420
3322	Cutlery and handtools.....	7	63	14	10	13	183	49	90	32	8
3323	Architectural and structural metal products.....	566	10	3,763	200		478	1,252	74	201	342
3324	Boilers, tanks, and shipping containers.....	3	(*)	11	1,239		2	119	231	21	105
332A	Ordnance and accessories.....					148					
332B	Other fabricated metal products.....	1,050	443	1,731	548	297	9,225	2,966	3,535	1,516	1,084
3331	Agriculture, construction, and mining machinery.....		1					617			
3332	Industrial machinery.....								1,342	7	
3333	Commercial and service industry machinery.....	2	1	1	1	1	19	5	8	259	4
3334	HVAC and commercial refrigeration equipment.....	1	(*)	7	16		8	111	142	84	2,577
3335	Metalworking machinery.....	219	24	228	69	14	1,284	247	259	56	117
3336	Turbine and power transmission equipment.....	7	18	3	5		61	3,185	235	63	50
3339	Other general purpose machinery.....	7	33	188	84	1	255	1,096	764	173	28
3341	Computer and peripheral equipment.....						(*)		71	287	
334A	Audio, video, and communications equipment.....	(*)	(*)	1	(*)	86	2	1	(*)	32	1
3344	Semiconductors and electronic components.....	248	112	528	235	52	1,305	766	961	1,967	437
3345	Electronic instruments.....	3	(*)	1	(*)	30	131	1	(*)	53	571
3346	Magnetic media products.....	(*)	(*)	1	1	(*)	17	2	71	14	1
3351	Electric lighting equipment.....	1	(*)	1	1		5	1	1	3	1
3352	Household appliances.....										(*)
3353	Electrical equipment.....	25	10	51	12	3	540	613	1,208	601	1,894
3359	Other electrical equipment and components.....	10	48	20	53		319	306	190	483	302
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	466	16	8	2		10	1,305	3	2	2
3364	Aerospace products and parts.....										
336B	Other transportation equipment.....		4					12			
3370	Furniture and related products.....	4	2	6	2	2	21	5	4	3	3
3391	Medical equipment and supplies.....			1	1		3				1
3399	Other miscellaneous manufactured products.....	6	8	12	1		193	57	124	86	66

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Forging and stamping	Cutlery and handtool manufac- turing	Architect- ural and structural metals manufac- turing	Boiler, tank, and shipping container manufac- turing	Ordnance and acces- sories manufac- turing	Other fabricated metal product manufac- turing	Agri- culture, construc- tion, and mining machinery	Industrial machinery manufac- turing	Commer- cial and service industry machinery	HVAC and commer- cial refrig- eration equipment
	For the composition of inputs to an industry read the column for that industry											Industry number
		3321	3322	3323	3324	332A	332B	3331	3332	3333	3334
4200	Wholesale trade	1,277	741	2,422	1,380	205	4,617	3,351	1,994	1,776	2,221
4A00	Retail trade	22	27	24	14	3	111	18	12	27	35
4810	Air transportation	74	32	157	69	16	388	221	141	98	125
4820	Rail transportation	67	20	120	50	8	164	79	38	23	34
4830	Water transportation	5	23	10	5	1	19	6	1	3	3
4840	Truck transportation	348	150	745	319	126	943	856	219	189	250
4850	Transit and ground passenger transportation	6	2	12	6	1	34	15	8	5	9
4860	Pipeline transportation	(*)		(*)	(*)		1	1			
48A0	Sightseeing transportation and transportation support	13	9	18	6		82	10	11	3	17
4920	Courier and messenger services	29	13	60	26	5	144	59	39	28	32
4930	Warehousing and storage	31	16	71	26	8	226	100	78	66	56
5111	Newspapers, books, and directories	1	(*)	3	2	(*)	10	5	2	3	2
5112	Software										
5120	Motion pictures and sound recordings	6	4	4			13	7	5	5	3
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications	75	42	161	45	7	398	849	155	91	201
5141	Information services	5	3	11	3	(*)	27	58	11	6	14
5142	Data processing services	45	22	97	38	11	214	99	77	58	78
52A0	Monetary oversight and credit intermediation	249	111	525	217	56	1,280	526	352	244	318
5230	Securities, commodity contracts, investments	73	21	97	46	17	328	159	98	49	66
5240	Insurance carriers and related services	32	14	47	12	7	143	40	37	24	34
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	168	46	422	72	19	1,066	87	261	142	186
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	60	23	166	32	6	502	69	98	47	52
532A	Consumer goods and general rentals	15	5	37	7	1	127	14	22	10	13
5324	Machinery and equipment rental and leasing	41	16	112	21	4	342	45	66	31	35
5330	Rights to nonfinancial intangible assets	22	30	71	5	19	172	17	48	1,098	30
5411	Legal services	51	41	109	30	41	396	124	129	85	167
5412	Accounting and bookkeeping services	50	20	91	20	4	287	52	70	52	145
5413	Architectural and engineering services	40	33	131	56	19	268	254	77	62	59
5414	Specialized design services	4	3	8	3	1	23	9	6	5	7
5415	Computer systems design and related services	12	11	24	9	180	197	53	195	100	42
5416	Management and technical consulting services	47	21	97	42	9	243	96	66	47	54
5417	Scientific research and development services	56	30	131	44	16	454	203	169	139	115
5418	Advertising and related services	59	149	165	27	65	410	207	173	171	270
5419	Other professional and technical services	149	69	317	140	34	781	323	215	156	185
5500	Management of companies and enterprises	515	288	1,236	378	161	4,519	1,909	1,630	973	1,068
5613	Employment services	28	13	58	26	6	143	62	38	33	34
5615	Travel arrangement and reservation services			(*)	1		(*)	(*)		(*)	(*)
561A	All other administrative and support services	59	25	117	50	14	322	112	85	65	67
5620	Waste management and remediation services	36	16	59	35	7	299	50	35	23	89
6100	Educational services	2	1	7	15	(*)	9	4	3	2	27
6210	Ambulatory health care services										
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums	11	7	25	11	3	58	25	16	11	14
7130	Amusements, gambling, and recreation	7	3	14	6	2	33	14	9	7	8
7210	Accommodations	37	17	79	35	8	187	79	52	38	45
7220	Food and beverage services to customer order	73	33	117	61	15	357	146	112	68	87
8111	Automotive repair and maintenance	57	23	72	83	3	314	77	26	18	45
811A	Electronic, commercial, and household goods repair	164	67	208	237	7	910	227	82	58	133
8120	Personal and laundry services					7	42		35	1	2
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	20	9	47	18	5	100	42	28	20	24
8140	Private household services										
S001	Federal Government enterprise services	11	6	25	7		103	55	42	12	7
S002	State and local government enterprise services	25	22	89	8	14	244	64	47	59	30
S003	Noncomparable imports	34	50	40	125	12	271	358	73	155	46
S004	Scrap, used and secondhand goods	1		109			43				
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	13,707	5,327	28,648	15,312	2,625	61,869	34,991	21,199	16,268	19,641
	Total value added	10,385	5,741	23,290	7,271	2,987	61,954	17,246	13,935	8,443	10,053
V001	Compensation of employees	6,834	3,230	14,219	4,675	1,900	39,879	10,166	9,373	5,869	6,727
V002	Indirect business tax and nontax liability	153	74	339	145	165	857	365	234	165	236
V003	Other value added	3,399	2,437	8,733	2,451	922	21,217	6,715	4,328	2,409	3,090
	Total industry output	24,092	11,068	51,938	22,583	5,612	123,823	52,237	35,133	24,711	29,694

* Less than \$500,000.

Table 2. The Use of Commodities by
 [Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Metal- working machinery manufac- turing	Turbine and power transmis- sion equip- ment manufac- turing	Other general purpose machinery manufac- turing	Computer and peripheral equipment manufac- turing	Audio, video, and communi- cations equipment manufac- turing	Semi- conductor and elec- tronic com- ponent manufac- turing	Electronic instrument manufac- turing	Magnetic media manufac- turing and reproduc- ing	Electric lighting equipment manufac- turing	Household appliance manufac- turing
	For the composition of inputs to an industry read the column for that industry											Industry number
		3335	3336	3339	3341	334A	3344	3345	3346	3351	3352
1110	Crop products.....										
1120	Animal products.....										
1130	Forestry and logging products.....										
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	1	1	1	1	1	2	1	(*)	(*)	1
2121	Coal.....	1	1	1						(*)	1
2122	Metal ores.....	12			5	32					
2123	Nonmetallic minerals.....	30				44	1				29
2130	Mining support services.....										
2211	Electric power.....	234	166	318	220	264	945	435	89	75	104
2212	Natural gas distribution.....	55	48	92	55	40	179	75	15	24	29
2213	Water and sewage treatment.....	(*)	1		1		1	(*)		(*)	
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	129	57	118	149	149	215	180	26	22	20
3110	Food products.....										
3121	Beverage products.....										
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....		1	119		2	1	28	7		3
3140	Nonapparel textile products.....	(*)	(*)	64	(*)	2	1	(*)			
3150	Apparel.....	3	8	1			1	2			
3160	Leather and allied products.....	(*)	(*)	(*)	1	1	1	1			
3210	Wood products.....	50	76	36	29	30	38	106	4	2	19
3221	Pulp, paper, and paperboard.....	16	16	131	210	100	70	48	127	22	25
3222	Converted paper products.....	30	50	289	197	378	317	227	116	334	442
3230	Printed products.....	2	3	8	12	21	15	16	1	1	6
3240	Petroleum and coal products.....	19	15	39	25	25	40	29	6	29	30
3251	Basic chemicals.....	18	11	24	32	48	2,771	80	3	68	127
3252	Resins, rubber, and artificial fibers.....			109		41	237	271	240	43	456
3253	Agricultural chemicals.....										
3254	Pharmaceuticals and medicines.....										
3255	Paints, coatings, and adhesives.....	85	1	187	3	3	4	111	6	38	157
3256	Soaps, cleaning compounds, and toiletries.....				4	15	7	21	1	16	8
3259	Other chemical products.....	37	18	111	125	243	892	345	91	7	38
3260	Plastics and rubber products.....	266	343	1,000	1,001	1,257	1,236	923	813	305	1,596
3270	Nonmetallic mineral products.....	304	107	129	26	38	878	167	5	309	206
331A	Primary ferrous metal products.....	1,394	1,204	3,487	92	213	521	654	173	295	1,177
331B	Primary nonferrous metal products.....	448	96	819	159	416	1,997	307	300	459	402
3315	Foundry products.....	621	2,457	2,161	10	54	19	118	10	242	415
3321	Forgings and stampings.....	198	1,497	735	496	928	1,297	1,017	(*)	285	699
3322	Cutlery and handtools.....	39	6	74	5	5	16	59	1	1	2
3323	Architectural and structural metal products.....	125	261	625	946	567	424	575	1	41	186
3324	Boilers, tanks, and shipping containers.....	24	197	127	18	41	65	3		1	
332A	Ordnance and accessories.....										
332B	Other fabricated metal products.....	997	1,098	3,054	543	818	1,598	1,601	149	354	393
3331	Agriculture, construction, and mining machinery.....										
3332	Industrial machinery.....						1,398				
3333	Commercial and service industry machinery.....	8	3	13	20	2	60	3	(*)	(*)	
3334	HVAC and commercial refrigeration equipment.....	3	1	141	4	5	6	3	1	2	440
3335	Metalworking machinery.....	1,526	109	361	39	59	187	92	9	15	32
3336	Turbine and power transmission equipment.....	88	1,824	1,094	1			50			15
3339	Other general purpose machinery.....	191	293	2,397	3	3	11	26	1	1	2
3341	Computer and peripheral equipment.....	(*)	21		19,576	399	327	2,747	1		
334A	Audio, video, and communications equipment.....	1	7	6	436	6,829	1,453	784	2		10
3344	Semiconductors and electronic components.....	390	400	978	21,163	18,650	21,217	11,436	246	128	385
3345	Electronic instruments.....	1	1	82	27	120	592	2,377	1		698
3346	Magnetic media products.....	1	1	63	245	55	6	34	489	(*)	(*)
3351	Electric lighting equipment.....	1	1	1	2	3	3	2	(*)	346	1
3352	Household appliances.....						(*)				79
3353	Electrical equipment.....	671	645	2,585	525	102	65	1,149	15	620	868
3359	Other electrical equipment and components.....	167	168	536	566	1,695	779	1,228	11	335	340
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	5	1,722	85	18	125	198	39	1		
336A	Aerospace products and parts.....										
336B	Other transportation equipment.....										
3370	Furniture and related products.....	6	2	3	4	497	39	68	1	(*)	
3391	Medical equipment and supplies.....	1									
3399	Other miscellaneous manufactured products.....	50	113	217	94	23	48	422	14	27	47

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Metal- working machinery manufac- turing	Turbine and power transmis- sion equip- ment manufac- turing	Other general purpose machinery manufac- turing	Computer and peripheral equipment manufac- turing	Audio, video, and communi- cations equipment manufac- turing	Semi- conductor and elec- tronic com- ponent manufac- turing	Electronic instrument manufac- turing	Magnetic media manufac- turing and reproduc- ing	Electric lighting equipment manufac- turing	Household appliance manufac- turing
		3335	3336	3339	3341	334A	3344	3345	3346	3351	3352
4200	Wholesale trade	1,089	1,328	3,857	14,056	4,893	6,654	4,273	267	978	1,390
4A00	Retail trade	3	13	62	48	87	40	83	10	73	60
4810	Air transportation	99	138	231	609	406	551	353	36	47	83
4820	Rail transportation	37	34	68	8	17	62	30	10	10	32
4830	Water transportation	4	1	4	1	6	11	3	1	3	7
4840	Truck transportation	227	408	526	106	280	387	266	90	131	265
4850	Transit and ground passenger transportation	6	8	11	32	27	43	24	2	3	4
4860	Pipeline transportation										
48A0	Sightseeing transportation and transportation support	17	23	18	24	64	44	22	17	1	5
4920	Courier and messenger services	36	36	68	20	24	159	138	60	6	32
4930	Warehousing and storage	90	57	120	169	325	515	326	35	62	86
5111	Newspapers, books, and directories	8	(*)		16	9	17	7	1	1	
5112	Software				7,121						
5120	Motion pictures and sound recordings			4	26	9	40	27	(*)	7	12
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										
5133	Telecommunications	207	77	230	330	430	618	441	20	35	50
5141	Information services	14	5	16	22	29	41	30	1	2	4
5142	Data processing services	74	67	122	214	202	398	296	23	35	50
52A0	Monetary oversight and credit intermediation	298	307	594	1,041	947	1,478	905	95	123	207
5230	Securities, commodity contracts, investments	91	67	152	292	235	406	251	23	33	61
5240	Insurance carriers and related services	36	31	70	68	75	135	92	6	13	25
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	282	58	288	483	513	616	585	57	62	128
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	127	46	119	77	132	269	135	15	22	88
532A	Consumer goods and general rentals	31	10	25	18	33	69	31	3	5	22
532A	Machinery and equipment rental and leasing	87	30	79	49	89	183	90	10	14	61
5330	Rights to nonfinancial intangible assets	84	42	142	1,392	3,051	1,073	88	5	17	60
5411	Legal services	84	36	189	522	259	1,103	361	20	30	22
5412	Accounting and bookkeeping services	134	29	99	64	189	270	167	17	32	23
5413	Architectural and engineering services	48	70	142	465	780	1,299	831	86	83	182
5414	Specialized design services	5	4	39	8	11	32	101	1	100	114
5415	Computer systems design and related services	151	26	109	126	487	1,189	472	41	6	7
5416	Management and technical consulting services	59	60	116	75	75	290	126	13	14	29
5417	Scientific research and development services	202	115	250	337	1,078	1,674	839	77	142	191
5418	Advertising and related services	110	56	365	453	526	953	542	33	72	182
5419	Other professional and technical services	184	180	371	691	513	863	548	61	78	128
5500	Management of companies and enterprises	2,071	1,045	2,425	3,050	3,023	4,807	4,117	337	615	811
5613	Employment services	34	35	66	107	97	176	101	11	13	24
5615	Travel arrangement and reservation services		2		1	2	1	(*)			
561A	All other administrative and support services	78	72	149	801	141	421	1,778	698	21	264
5620	Waste management and remediation services	59	30	104	659	115	180	75	12	13	15
6100	Educational services	2	3	4	30	2	10	33	9	(*)	1
6210	Ambulatory health care services										
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums	14	14	28	48	43	66	42	5	5	9
7130	Amusements, gambling, and recreation	8	8	16	27	24	37	24	3	3	5
7210	Accommodations	45	45	91	151	135	208	132	15	18	31
7220	Food and beverage services to customer order	109	86	182	220	234	360	253	25	36	62
8111	Automotive repair and maintenance	53	53	69	33	49	288	69	32	13	22
811A	Electronic, commercial, and household goods repair	158	156	207	106	171	867	225	94	42	68
8120	Personal and laundry services		1	6	69		73				5
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	24	24	48	81	72	112	71	8	10	17
8140	Private household services										
S001	Federal Government enterprise services	22	15	45	28	107	59	114	8	7	45
S002	State and local government enterprise services	73	48	190	55	24	87	145	14	33	29
S003	Noncomparable imports	53	38	214	1,819	1,903	692	213	197	60	28
S004	Scrap, used and secondhand goods	4	8								
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	14,978	18,090	34,749	83,329	56,283	70,102	47,734	5,574	7,575	14,531
	Total value added	14,865	11,234	24,818	18,490	33,833	67,178	39,821	4,097	4,709	6,101
V001	Compensation of employees	11,958	6,017	16,438	13,506	17,976	27,398	28,735	2,310	2,772	3,909
V002	Indirect business tax and nontax liability	240	142	490	857	665	1,028	628	57	93	157
V003	Other value added	2,668	5,074	7,890	4,127	15,193	38,752	10,458	1,730	1,845	2,036
	Total industry output	29,843	29,323	59,568	101,819	90,116	137,280	87,554	9,671	12,284	20,632

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade
	For the composition of inputs to an industry read the column for that industry											Industry number
		3353	3359	3361	336A	3364	336B	3370	3391	3399	4200
1110	Crop products.....									34	440
1120	Animal products.....									(*)	1,899
1130	Forestry and logging products.....		16		2			25		78	2
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	1	1	5	10	3	2	5	1	2	
2121	Coal.....	1	1	4	7	2	1	2			1
2122	Metal ores.....	17	29		471	11			20	28	8
2123	Nonmetallic minerals.....				4					47	4
2130	Mining support services.....										
2211	Electric power.....	192	426	389	1,309	561	170	453	261	383	4,599
2212	Natural gas distribution.....	39	73	204	368	114	62	146	39	130	1,427
2213	Water and sewage treatment.....	(*)	1	1	1	3	(*)	1	(*)		301
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	75	84	48	306	278	65	130	100	321	2,163
3110	Food products.....					5		43	125	99	3,027
3121	Beverage products.....					26			18		68
3122	Tobacco products.....										3
3130	Yarn, fabrics, and other textile mill products.....	7	24	650	2,342	125	6	3,090	1,363	922	253
3140	Nonapparel textile products.....	1		1,013	337	389	120	608	2	88	419
3150	Apparel.....			118	194	17	6	4	9	32	645
3160	Leather and allied products.....	(*)	(*)	2	1,353	2	(*)	(*)	(*)	212	39
3210	Wood products.....	30	274	9	743	77	127	6,500	54	1,024	2,750
3221	Pulp, paper, and paperboard.....	71	188	65	157	54	17	55	175	412	395
3222	Converted paper products.....	114	223	137	1,018	106	28	1,125	481	1,488	3,280
3230	Printed products.....	3	4	5	51	24	19	166	16	88	5,308
3240	Petroleum and coal products.....	95	191	59	302	283	121	72	29	63	2,116
3251	Basic chemicals.....	11	732	65	330	235	26	23	179	441	510
3252	Resins, rubber, and artificial fibers.....	182	1,471	1	1,696	(*)	133	138	601	1,822	529
3253	Agricultural chemicals.....					3					160
3254	Pharmaceuticals and medicines.....								148		71
3255	Paints, coatings, and adhesives.....	629	63	1,944	969	493	554	633	49	394	216
3256	Soaps, cleaning compounds, and toiletries.....	11		1	104		286	23	19	124	447
3259	Other chemical products.....	34	371	75	378	415	16	35	42	156	515
3260	Plastics and rubber products.....	683	721	5,496	7,064	1,334	728	3,721	1,408	2,390	6,173
3270	Nonmetallic mineral products.....	252	900	2,467	952	282	302	290	141	419	708
331A	Primary ferrous metal products.....	1,774	879	120	14,872	518	1,846	1,628	247	905	189
331B	Primary nonferrous metal products.....	1,405	4,197	25	4,494	1,366	604	567	465	1,734	1,052
3315	Foundry products.....	353	207	16	10,181	740	429	17	145	301	42
3321	Forgings and stampings.....	776	484	5	2,644	1,240	351	337	104	384	201
3322	Cutlery and handtools.....	4	8	2	87	127	8	5	4	129	400
3323	Architectural and structural metal products.....	293	96	3	2,578	469	587	249	52	123	373
3324	Boilers, tanks, and shipping containers.....		8	(*)	152	3	7		13	(*)	546
332A	Ordnance and accessories.....										5
332B	Other fabricated metal products.....	661	508	6,102	9,670	6,841	2,111	1,728	673	1,507	1,476
3331	Agriculture, construction, and mining machinery.....						35				101
3332	Industrial machinery.....										87
3333	Commercial and service industry machinery.....	1	2		37	10	1	(*)	30	4	870
3334	HVAC and commercial refrigeration equipment.....	3	1	695	696	7	114	4	4	10	316
3335	Metalworking machinery.....	68	75	151	733	193	34	29	47	224	254
3336	Turbine and power transmission equipment.....	390	48	6,640	200	226	2,039	24	5	(*)	500
3339	Other general purpose machinery.....	3	6	763	1,076	723	173	3	4	7	606
3341	Computer and peripheral equipment.....	37	77	709	7	89		2	17	73	219
334A	Audio, video, and communications equipment.....	1	32	2,508	65	998	48	1	37	11	287
3344	Semiconductors and electronic components.....	1,676	1,626	3,085	7,404	3,844	464	615	1,032	738	9,413
3345	Electronic instruments.....	37	5	1,819	186	5,599	55	3	241	4	345
3346	Magnetic media products.....	31	1	19	21	46	3	5	47	18	936
3351	Electric lighting equipment.....	2	2	827	111	4	105	5	4	5	72
3352	Household appliances.....				255					(*)	106
3353	Electrical equipment.....	2,590	119	23	482	85	642	53	43	130	640
3359	Other electrical equipment and components.....	563	1,838	407	793	931	57	3	36	109	277
3361	Motor vehicles.....			68	1,005						
336A	Motor vehicle bodies, trailers, and parts.....	32	4	102,140	19,799	55	587	36	6	5	1,910
3364	Aerospace products and parts.....					26,169					227
336B	Other transportation equipment.....				57		1,462				45
3370	Furniture and related products.....	2	6	1	47	55	7	720	56	94	105
3391	Medical equipment and supplies.....			1	7	2	8	1	2,576	1	34
3399	Other miscellaneous manufactured products.....	110	3	75	459	277	33	14	121	3,032	1,267

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Electrical equipment manufacturing	Other electrical equipment and component manufacturing	Motor vehicle manufacturing	Motor vehicle body, trailer, and parts manufacturing	Aerospace product and parts manufacturing	Other transportation equipment manufacturing	Furniture and related product manufacturing	Medical equipment and supplies manufacturing	Other miscellaneous manufacturing	Wholesale trade
	For the composition of inputs to an industry read the column for that industry											Industry number
		3353	3359	3361	336A	336A	336B	3370	3391	3399	4200
4200	Wholesale trade	2,908	2,876	11,202	12,036	3,850	1,462	3,739	2,054	3,819	21,165
4A00	Retail trade	45	19	8	198	22	10	195	86	134	3,439
4810	Air transportation	157	143	1,392	875	973	130	214	140	204	3,191
4820	Rail transportation	41	101	501	535	77	61	136	34	124	238
4830	Water transportation	10	25	11	72	8	5	23	42	19	71
4840	Truck transportation	266	552	2,963	2,596	722	423	1,074	259	847	1,333
4850	Transit and ground passenger transportation	10	11	50	58	37	8	13	12	14	428
4860	Pipeline transportation		(*)	(*)	2	3	1	(*)			23
48A0	Sightseeing transportation and transportation support	25	19	6	13	28	12	20	17	23	638
4920	Courier and messenger services	29	44	197	223	137	38	74	50	62	9,372
4930	Warehousing and storage	176	150	504	853	567	172	73	170	67	1,943
5111	Newspapers, books, and directories	2	4	4	16	8	1	5	14	15	349
5112	Software										
5120	Motion pictures and sound recordings	4	6	14	66	5		36	18	39	36
5131	Radio and television broadcasting										
5132	Cable networks and program distribution										35
5133	Telecommunications	118	106	118	1,531	312	68	185	214	383	8,001
5141	Information services	8	7	7	104	21	5	12	14	26	521
5142	Data processing services	96	102	155	549	363	122	128	116	124	2,053
52A0	Monetary oversight and credit intermediation	341	407	2,316	1,995	1,240	332	635	466	575	12,656
5230	Securities, commodity contracts, investments	91	119	676	497	361	89	144	112	152	1,656
5240	Insurance carriers and related services	24	40	174	179	104	49	93	53	89	776
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	118	141	113	453	334	130	531	266	523	19,124
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	52	59	61	276	146	59	184	77	166	2,460
532A	Consumer goods and general rentals	11	12	14	70	36	12	43	16	39	616
532A	Machinery and equipment rental and leasing	34	39	37	187	97	39	125	49	113	1,922
5330	Rights to nonfinancial intangible assets	21	52	2,521	972	38	317	78	135	98	1,607
5411	Legal services	53	65	19	299	552	53	85	470	193	3,649
5412	Accounting and bookkeeping services	77	78	106	417	221	76	79	149	213	3,424
5413	Architectural and engineering services	326	389	936	1,681	1,119	295	134	119	141	936
5414	Specialized design services	5	6	1,652	69	289	5	316	153	146	1,362
5415	Computer systems design and related services	18	19	124	203	333	44	38	36	44	2,501
5416	Management and technical consulting services	51	81	329	357	239	64	128	86	105	9,481
5417	Scientific research and development services	404	333	1,078	1,953	1,449	397	133	382	121	1,501
5418	Advertising and related services	140	116	231	368	154	143	557	434	990	17,649
5419	Other professional and technical services	220	260	1,377	1,077	719	207	391	269	378	779
5500	Management of companies and enterprises	1,726	1,603	2,967	6,666	3,925	1,216	1,761	2,194	1,633	27,667
5613	Employment services	42	51	252	231	147	42	72	53	66	7,412
5615	Travel arrangement and reservation services		1	(*)	1	1		1	2	1	17
561A	All other administrative and support services	66	107	403	529	307	77	232	138	167	18,002
5620	Waste management and remediation services	36	66	117	302	129	78	113	41	132	414
6100	Educational services	2	3	462	100	125	2	4	3	4	684
6210	Ambulatory health care services										
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance										
71A0	Performing arts, spectator sports, and museums	17	19	77	89	55	16	30	20	27	620
7130	Amusements, gambling, and recreation	10	11	43	51	32	9	17	12	16	333
7210	Accommodations	53	63	243	282	176	51	96	65	91	1,824
7220	Food and beverage services to customer order	100	121	381	542	320	91	186	134	200	2,488
8111	Automotive repair and maintenance	56	79	11,373	323	92	42	84	58	95	1,381
811A	Electronic, commercial, and household goods repair	176	239	232	998	317	136	243	221	275	4,919
8120	Personal and laundry services	6	3	21	20	48	25	40	14	18	947
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	28	33	214	151	95	27	52	35	49	604
8140	Private household services										
S001	Federal Government enterprise services	28	31	13	263	83	15	83	67	110	4,355
S002	State and local government enterprise services	22	75	87	151	29	79	144	89	150	387
S003	Noncomparable imports	178	274	1,125	1,068	115	19	24	142	74	5,872
S004	Scrap, used and secondhand goods		182		895			(*)		490	4
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	21,684	25,365	185,864	142,021	76,012	21,351	36,140	21,086	34,331	274,236
	Total value added	13,364	15,787	34,540	55,196	41,324	11,791	27,431	23,018	23,856	490,506
V001	Compensation of employees	8,825	8,803	18,303	45,545	31,620	8,943	18,443	12,822	15,277	265,546
V002	Indirect business tax and nontax liability	264	326	1,125	1,056	576	152	372	318	674	139,988
V003	Other value added	4,275	6,658	15,111	8,595	9,129	2,696	8,616	9,878	7,906	84,972
	Total industry output	35,048	41,152	220,404	197,216	117,336	33,142	63,571	44,104	58,187	764,742

* Less than \$500,000.

Table 2. The Use of Commodities by
 [Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Retail trade	Air transportation	Rail transportation	Water transportation	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Sight-seeing transportation and transportation support	Couriers and messengers	Warehousing and storage
	For the composition of inputs to an industry read the column for that industry										
	Industry number	4A00	4810	4820	4830	4840	4850	4860	48A0	4920	4930
1110	Crop products.....	309			1			(*)	1		
1120	Animal products.....	44							5		
1130	Forestry and logging products.....	2									
1140	Fish and other nonfarm animals.....	15			4						
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....	(*)						2,009			
2121	Coal.....	2			4				1		
2122	Metal ores.....	3									
2123	Nonmetallic minerals.....	1		172							
2130	Mining support services.....				3						
2211	Electric power.....	11,592	395	49	26	290	44	283	337	17	798
2212	Natural gas distribution.....	1,511	25	4	9	129		292	30	2	200
2213	Water and sewage treatment.....	557	23	11	10	38	19	1	27	9	30
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	3,808	51	11	10	297		810	191	46	193
3110	Food products.....	5,655	80		64				23	563	
3121	Beverage products.....	505	280		15				6	71	
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	292	2	(*)	2	(*)			2		
3140	Nonapparel textile products.....	241	9		66	9		6	50	1	
3150	Apparel.....	66	6	4	25	2	13		13	1	
3160	Leather and allied products.....	79	1	1	(*)	2		2	1	(*)	145
3210	Wood products.....	1,357	3	820		21		9	47	3	54
3221	Pulp, paper, and paperboard.....	740	61	21	10	70	6	13	30	19	23
3222	Converted paper products.....	3,739	40	42	18	223	23	80	195	51	133
3230	Printed products.....	1,573	722	55	7	214	35	58	169	37	45
3240	Petroleum and coal products.....	3,315	10,088	905	356	6,665	714	3,301	701	1,833	440
3251	Basic chemicals.....	153	39	22	8	85	8	9	18	6	1
3252	Resins, rubber, and artificial fibers.....	25									
3253	Agricultural chemicals.....	24									
3254	Pharmaceuticals and medicines.....	(*)									
3255	Paints, coatings, and adhesives.....	567	90			126	(*)	2	5	66	6
3256	Soaps, cleaning compounds, and toiletries.....	434	4			3		1	2	2	
3259	Other chemical products.....	339	(*)	20	21	118	18	20	75	3	27
3260	Plastics and rubber products.....	6,004	54	113	57	2,015	372	16	94	322	79
3270	Nonmetallic mineral products.....	805	2	223	6	17	8	12	5	2	4
331A	Primary ferrous metal products.....	379	7	279		1		55	22	(*)	4
331B	Primary nonferrous metal products.....	366		1				1	3		
3315	Foundry products.....	6		444				2	83		
3321	Forgings and stampings.....	100		42	6	(*)		3	4		1
3322	Cutlery and handtools.....	623	71	23	14	66	12	57	46	56	41
3323	Architectural and structural metal products.....	503		80				482			
3324	Boilers, tanks, and shipping containers.....	46	5				3			(*)	(*)
332A	Ordnance and accessories.....	7							7		
332B	Other fabricated metal products.....	1,331	1,424	104	226	1,195	313	193	297	77	64
3331	Agriculture, construction, and mining machinery.....	25									
3332	Industrial machinery.....	42									
3333	Commercial and service industry machinery.....	100	1	(*)	(*)	2			45	(*)	(*)
3334	HVAC and commercial refrigeration equipment.....	149		3	61	8		694	11	4	11
3335	Metalworking machinery.....	84	32	93	60	17	1		58	2	
3336	Turbine and power transmission equipment.....	504		2	101	146	44	3	38	(*)	(*)
3339	Other general purpose machinery.....	151	10	529	23	14	(*)	29	87	1	(*)
3341	Computer and peripheral equipment.....	41	(*)			1		1	1	(*)	6
334A	Audio, video, and communications equipment.....	159	2	606		3		1	10	17	1
3344	Semiconductors and electronic components.....	2,413	208		(*)	4	10	(*)	20	1	
3345	Electronic instruments.....	217	12	(*)	(*)	21	(*)	2	3	3	(*)
3346	Magnetic media products.....	270	37	8	33	5	11	28	3	3	7
3351	Electric lighting equipment.....	107	3	7	2	2		2	1	1	1
3352	Household appliances.....	201						1	(*)		
3353	Electrical equipment.....	163	3	48	1	232	81	20	51	32	9
3359	Other electrical equipment and components.....	415	27	245	7	21	43	8	26	5	
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	10,977	4	592	4	4,636	703	46	409	234	130
3364	Aerospace products and parts.....	52	4,038						519	424	
336B	Other transportation equipment.....	276		1,110	863	6	5		201	1	
3370	Furniture and related products.....	129		28	1	(*)		2	(*)		
3391	Medical equipment and supplies.....	12									
3399	Other miscellaneous manufactured products.....	1,160	55	6	12	33	13	23	34	8	16

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Retail trade	Air transportation	Rail transportation	Water transportation	Truck transportation	Transit and ground passenger transportation	Pipeline transportation	Sight-seeing transportation and transportation support	Couriers and messengers	Warehousing and storage
	For the composition of inputs to an industry read the column for that industry										
	Industry number	4A00	4810	4820	4830	4840	4850	4860	48A0	4920	4930
4200	Wholesale trade	6,216	2,046	990	457	7,187	876	669	521	759	214
4A00	Retail trade	5,859	86	20	45	1,881	169	136	173	139	49
4810	Air transportation	2,685	241	58	37	623	34	15	143	100	19
4820	Rail transportation	254	164	117	13	1,467	18	17	104	75	11
4830	Water transportation	84	124	21	6	276	12	12	13	33	5
4840	Truck transportation	2,131	263	194	40	20,824	269	69	92	378	105
4850	Transit and ground passenger transportation	664	34	5	14	31	923	1	6	5	1
4860	Pipeline transportation	29	114	8	6	110	9	632	8	22	4
48A0	Sightseeing transportation and transportation support	201	8,756	3,069	5,583	5,842	50	2	2,919	859	12
4920	Courier and messenger services	6,362	333	79	65	456	42	91	459	112	176
4930	Warehousing and storage	4,642	25	2	58	2,559	20	1	3	1,031	5
5111	Newspapers, books, and directories	304	44	4	71	53	1	15	76	12	24
5112	Software										
5120	Motion pictures and sound recordings	50	21	1	12				16	13	
5131	Radio and television broadcasting										
5132	Cable networks and program distribution	17									
5133	Telecommunications	6,880	2,015	57	23	1,923	91	168	1,346	571	221
5141	Information services	571	149	4	2	134	8	11	73	39	16
5142	Data processing services	3,294	242	1	13	70	58	39	576	7	33
52A0	Monetary oversight and credit intermediation	15,887	2,211	415	262	1,729	225	282	453	408	105
5230	Securities, commodity contracts, investments	1,445	258	90	53	313	35	60	94	91	24
5240	Insurance carriers and related services	1,434	375	17	1,626	4,065	778	525	134	445	144
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	46,676	1,945	198	473	2,218	188	502	1,404	399	2,264
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	1,987	3	75	11	2,514	209	43	210	1,022	172
532A	Consumer goods and general rentals	483	(*)	22	(*)	143	5		75	14	29
532A	Machinery and equipment rental and leasing	1,452	396	3,166	219	584	34	46	480	107	120
5330	Rights to nonfinancial intangible assets	2,697	170	226	60	400	173	4	2	230	70
5411	Legal services	2,305	1,592	45	148	492	127	189	1,528	213	159
5412	Accounting and bookkeeping services	3,963	238	380	328	612	405	115	747	94	156
5413	Architectural and engineering services	581	650	224	371	53	5	580	641	4	12
5414	Specialized design services	1,194	52	9	22	48	6	9	46	15	16
5415	Computer systems design and related services	1,333	1,375	881	6	1,079	99	991	744	33	32
5416	Management and technical consulting services	6,709	420	479	103	1,276	161	2,243	686	153	205
5417	Scientific research and development services	254	34	23	94	213	35	4	127	3	5
5418	Advertising and related services	33,983	1,498	175	1,097	1,021	77	26	1,056	259	308
5419	Other professional and technical services	553	121	50	60	100	9	187	52	23	12
5500	Management of companies and enterprises	61,398	874	12	931	3,693	473	23	80	2	8
5613	Employment services	6,284	583	190	13	77	10	810	55	24	25
5615	Travel arrangement and reservation services	30	12,265	193	650	1	172	1	26	1,153	1
561A	All other administrative and support services	14,448	1,209	278	155	851	108	650	517	192	670
5620	Waste management and remediation services	945	34	13	7	561	40	8	103	217	30
6100	Educational services	453	24	63	72	34	3	11	166	8	12
6210	Ambulatory health care services	1				99			1	10	(*)
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance	1									
71A0	Performing arts, spectator sports, and museums	518	22	7	12	33	3	2	14	8	3
7130	Amusements, gambling, and recreation	278	13	4	3	19	2	1	7	5	1
7210	Accommodations	1,538	71	47	15	103	11	8	31	26	9
7220	Food and beverage services to customer order	3,370	6,514	38	139	181	16	9	128	616	51
8111	Automotive repair and maintenance	1,506	(*)	50	1	3,278	171	165	110	256	89
811A	Electronic, commercial, and household goods repair	3,879	549	109	221	736	8	369	466	59	242
8120	Personal and laundry services	1,093	9	3		37	17	(*)	23	(*)	2
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	562	95	31	20	113	12	21	37	34	11
8140	Private household services										
S001	Federal Government enterprise services	4,925	149	23	7	214	13	621	434	39	1
S002	State and local government enterprise services	774	21	6		4	20	(*)	36	60	29
S003	Noncomparable imports	272	9,360	123	2,749	681		21	344		49
S004	Scrap, used and secondhand goods	227				5				2	
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	330,447	75,697	19,015	18,507	87,749	8,729	18,979	21,585	14,298	8,431
	Total value added	477,609	43,929	23,247	6,083	81,335	15,984	8,527	21,169	27,677	18,780
V001	Compensation of employees	280,488	35,566	15,784	3,340	48,011	9,865	3,841	15,514	18,613	14,125
V002	Indirect business tax and nontax liability	91,888	5,834	662	633	1,464	1,075	1,163	1,145	139	861
V003	Other value added	105,234	2,529	6,801	2,110	31,860	5,043	3,524	4,510	8,925	3,794
	Total industry output	808,056	119,626	42,262	24,589	169,084	24,713	27,507	42,754	41,975	27,211

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	News- paper, book, and directory publishers	Software publishers	Motion picture and sound recording industries	Radio and television broadcast- ing	Cable net- works and program distribution	Telecom- muni- cations	Informa- tion services	Data processing services	Monetary authorities and credit intermedia- tion	Securities, commod- ity con- tracts, invest- ments
		5111	5112	5120	5131	5132	5133	5141	5142	52A0	5230
1110	Crop products.....		(*)				8		(*)	1	
1120	Animal products.....										
1130	Forestry and logging products.....										
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....										
2121	Coal.....									1	
2122	Metal ores.....										
2123	Nonmetallic minerals.....						1				
2130	Mining support services.....										
2211	Electric power.....	358	123	303	190	203	897	42	128	1,154	1,641
2212	Natural gas distribution.....	68	4	44	7	10	294	3	9	135	74
2213	Water and sewage treatment.....	17	5	24	14	38	257	2	7	257	74
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	163	109	183	133	59	1,239	17	141	2,552	641
3110	Food products.....	31		221							
3121	Beverage products.....			79							
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	8		45		(*)	5				
3140	Nonapparel textile products.....	1	1	38	1	(*)	7		1	266	65
3150	Apparel.....			34		15	104				
3160	Leather and allied products.....	2	3	1	1	1	4	1	2	41	7
3210	Wood products.....	57	28	74	33	18	643	5	35	13	4
3221	Pulp, paper, and paperboard.....	5,409	31	31	20	27	124	5	14	267	110
3222	Converted paper products.....	307	93	83	43	72	404	20	49	431	279
3230	Printed products.....	10,638	766	128	9	139	2,255	93	247	1,709	348
3240	Petroleum and coal products.....	134	12	17	11	12	301	6	11	239	76
3251	Basic chemicals.....	39	19	19	13	15	89	28	4	24	19
3252	Resins, rubber, and artificial fibers.....			(*)			(*)				
3253	Agricultural chemicals.....										
3254	Pharmaceuticals and medicines.....										
3255	Paints, coatings, and adhesives.....	88	4	23	4	23	95	1	4	14	3
3256	Soaps, cleaning compounds, and toiletries.....	(*)	4	7		5	18	(*)	2	10	1
3259	Other chemical products.....	784	53	54	55	41	246	8	13	290	147
3260	Plastics and rubber products.....	161	38	164	23	99	1,208	7	23	160	57
3270	Nonmetallic mineral products.....	17	16	18	14	9	594	12	16	57	19
331A	Primary ferrous metal products.....	58	1	2	3	10	171	1	1	32	30
331B	Primary nonferrous metal products.....	1	1	1	1	12	352		1		
3315	Foundry products.....						1				
3321	Forgings and stampings.....	3	2	4	3	43	402	1	3	1	
3322	Cutlery and handtools.....	41	4	1	(*)	7	50	1	3	53	5
3323	Architectural and structural metal products.....	28	12	18	15	6	320	1	15	5	4
3324	Boilers, tanks, and shipping containers.....	3				(*)	2	(*)		3	1
332A	Ordinance and accessories.....										
332B	Other fabricated metal products.....	609	291	146	94	234	1,984	3	14	39	24
3331	Agriculture, construction, and mining machinery.....						3				(*)
3332	Industrial machinery.....		1						1		
3333	Commercial and service industry machinery.....	(*)					27			101	39
3334	HVAC and commercial refrigeration equipment.....	4	3	5	4	2	33	(*)	4	21	7
3335	Metalworking machinery.....	17	2	7	1	3	4	1	1	7	2
3336	Turbine and power transmission equipment.....	26				3	11			5	1
3339	Other general purpose machinery.....	2	1	1	(*)	(*)	14	(*)	1	4	3
3341	Computer and peripheral equipment.....	56	631	15	1	104	26	656	1,430	1,452	30
334A	Audio, video, and communications equipment.....	3	5	2	1	161	3,121	(*)	3	9	3
3344	Semiconductors and electronic components.....	18	1,707	96	309	364	3,881	1	449	94	41
3345	Electronic instruments.....	58	32	5	3	2	32	3	15	16	6
3346	Magnetic media products.....	33	483	2,311	88	95	335	321	184	262	126
3351	Electric lighting equipment.....	2	2	4	2	4	108	(*)	2	20	4
3352	Household appliances.....	(*)	(*)	(*)	(*)		14		(*)	1	(*)
3353	Electrical equipment.....	4	9	6	15	56	623	(*)	5	21	5
3359	Other electrical equipment and components.....	5	6	6	5	16	1,917	13	6	30	11
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	66	12	29	3	5	63	7	5	599	57
3364	Aerospace products and parts.....										
336B	Other transportation equipment.....						1				6
3370	Furniture and related products.....	6	5	5	4	2	70	1	5	3	(*)
3391	Medical equipment and supplies.....		2				(*)		1	(*)	
3399	Other miscellaneous manufactured products.....	40	20	14	4	21	98	33	19	380	109

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	News- paper, book, and directory publishers	Software publishers	Motion picture and sound recording industries	Radio and television broadcast- ing	Cable net- works and program distribution	Telecom- muni- cations	Informa- tion services	Data processing services	Monetary authorities and credit intermedia- tion	Securities, commod- ity con- tracts, invest- ments
		5111	5112	5120	5131	5132	5133	5141	5142	52A0	5230
4200	Wholesale trade	2,694	1,387	757	83	153	2,076	113	332	941	234
4A00	Retail trade	180	88	87	15	9	276	28	76	369	223
4810	Air transportation	207	366	209	108	118	354	146	123	2,636	1,630
4820	Rail transportation	170	5	9	2	3	31	2	3	53	13
4830	Water transportation	4	(*)	1	1	1	6	.....	85	4	2
4840	Truck transportation	844	24	86	16	25	319	22	13	173	59
4850	Transit and ground passenger transportation	12	44	19	13	14	775	18	22	728	173
4860	Pipeline transportation	1	(*)	.....	.....	.....	1	.....	.....	3	1
48A0	Sightseeing transportation and transportation support	108	64	28	2	4	18	3	30	11	70
4920	Courier and messenger services	247	137	156	91	101	610	54	70	3,204	2,113
4930	Warehousing and storage	212	13	2	8	9	46	2	13	1,215	397
5111	Newspapers, books, and directories	5,562	50	23	19	16	188	167	19	514	150
5112	Software .....	.....	1,864	.....	.....	.....	.....	.....	.....	.....	.....
5120	Motion pictures and sound recordings	76	7	18,344	8,554	4,080	41	4	3	10	13
5131	Radio and television broadcasting .....	.....	.....	.....	5,931	47	1	.....	.....	.....	.....
5132	Cable networks and program distribution .....	.....	.....	2	1	7,829	.....	3	.....	.....	.....
5133	Telecommunications	718	1,088	388	1,803	1,880	44,904	344	1,089	2,013	976
5141	Information services	1,306	74	26	223	26	98	23	75	106	77
5142	Data processing services	202	114	55	70	81	466	36	373	1,033	1,692
52A0	Monetary oversight and credit intermediation	1,228	685	628	434	487	2,870	133	319	26,312	3,407
5230	Securities, commodity contracts, investments	253	138	125	89	103	247	65	68	16,459	32,933
5240	Insurance carriers and related services	152	44	79	151	180	437	48	23	300	3
5250	Funds, trusts, and other financial vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	209
5310	Real estate	1,114	1,465	1,660	378	370	2,709	223	613	13,170	5,876
S008	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5321	Automotive equipment rental and leasing	150	134	80	43	121	203	86	349	3,160	3,894
532A	Consumer goods and general rentals	39	38	31	63	103	342	19	97	46	2
5324	Machinery and equipment rental and leasing	103	100	221	189	457	2,334	51	263	1,038	773
5330	Rights to nonfinancial intangible assets	2,764	207	107	854	500	872	5	62	304	168
5411	Legal services	612	461	267	100	7	1,148	36	112	5,475	6,321
5412	Accounting and bookkeeping services	323	148	206	115	150	4,070	38	54	8,284	3,609
5413	Architectural and engineering services	109	179	41	50	57	7,515	18	63	327	268
5414	Specialized design services	74	42	62	28	27	1,718	28	16	239	307
5415	Computer systems design and related services	748	319	82	105	107	635	44	427	996	1,247
5416	Management and technical consulting services	362	206	186	127	143	936	72	100	4,194	2,264
5417	Scientific research and development services	316	22	7	42	42	258	6	20	652	139
5418	Advertising and related services	1,817	2,013	3,627	1,399	1,236	5,871	579	680	3,934	2,081
5419	Other professional and technical services	1,223	214	495	664	370	1,928	57	13	2,381	413
5500	Management of companies and enterprises	2,363	215	477	230	162	930	70	212	4,161	1,037
5613	Employment services	69	1,767	496	14	52	774	190	959	2,311	367
5615	Travel arrangement and reservation services	1	1	1	1	1	2	(*)	1	82	10
561A	All other administrative and support services	693	2,053	480	104	127	1,761	268	720	6,261	2,239
5620	Waste management and remediation services	39	13	23	66	9	49	3	11	417	48
6100	Educational services	17	179	9	193	37	125	4	175	185	122
6210	Ambulatory health care services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6220	Hospital care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6230	Nursing and residential care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6240	Social assistance .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71A0	Performing arts, spectator sports, and museums	161	64	849	3,325	1,381	51	25	34	820	241
7130	Amusements, gambling, and recreation	12	36	18	11	12	28	15	19	114	42
7210	Accommodations	72	202	96	62	67	159	80	85	1,784	809
7220	Food and beverage services to customer order	131	338	217	99	108	258	132	165	4,306	1,010
8111	Automotive repair and maintenance	85	39	59	11	97	477	18	132	631	103
811A	Electronic, commercial, and household goods repair	252	111	168	200	1,007	4,620	31	239	988	162
8120	Personal and laundry services	29	2	5	1	23	80	17	1	78	25
813A	Religious, grantmaking, and social advocacy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
813B	Civic, social, professional and similar organizations	94	50	50	34	36	288	21	26	1,547	217
8140	Private household services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S001	Federal Government enterprise services	1,106	320	220	52	174	919	66	375	3,170	1,275
S002	State and local government enterprise services	264	12	26	49	3	174	2	11	228	81
S003	Noncomparable imports	175	682	109	129	140	9,058	20	463	1,728	5,186
S004	Scrap, used and secondhand goods .....	.....	.....	.....	.....	.....	(*)	.....	.....	(*)	(*)
S005	General government services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S006	Rest of the world adjustment to final uses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S007	Inventory valuation adjustment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total intermediate inputs	48,861	22,356	35,662	27,473	24,224	126,507	4,728	12,102	139,868	88,784
	Total value added	68,221	43,831	25,695	13,896	22,316	162,305	7,082	23,307	341,653	110,673
V001	Compensation of employees	30,236	21,369	11,182	11,449	7,487	58,520	4,078	13,807	118,817	84,304
V002	Indirect business tax and nontax liability	1,024	748	1,561	281	1,463	28,065	210	389	11,996	4,904
V003	Other value added	36,961	21,715	12,952	2,167	13,365	75,720	2,794	9,111	210,840	21,465
	Total industry output	117,082	66,187	61,357	41,369	46,540	288,812	11,810	35,409	481,521	199,457

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Insurance carriers and related activities	Funds, trusts, and other financial vehicles	Real estate	Owner-occupied dwellings	Automotive equipment rental and leasing	Consumer goods and general rental centers	Machinery and equipment rental and leasing	Lessors of nonfinancial intangible assets	Legal services	Accounting and book-keeping services
	For the composition of inputs to an industry read the column for that industry											Industry number
		5240	5250	5310	S008	5321	532A	5324	5330	5411	5412
1110	Crop products.....			108	579					(*)	4
1120	Animal products.....										
1130	Forestry and logging products.....										
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....			501							
2110	Oil and gas.....										
2121	Coal.....			13							
2122	Metal ores.....										
2123	Nonmetallic minerals.....			115	984			(*)			
2130	Mining support services.....										
2211	Electric power.....	55	114	14,747		90	195	103		306	154
2212	Natural gas distribution.....	1		2,748		13	21	39		45	25
2213	Water and sewage treatment.....	42	(*)	1,288		7	13	15		26	13
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	175	120	10,577	7,970	115	98	82		326	141
3110	Food products.....										
3121	Beverage products.....										
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....			5	46	7	(*)	2		3	2
3140	Nonapparel textile products.....	4	(*)	86	466	1	(*)	(*)		1	(*)
3150	Apparel.....					28	138	(*)			21
3160	Leather and allied products.....	5	1	20		1	1	2		10	11
3210	Wood products.....	3	6	1,146	9,927	24	16	17		70	29
3221	Pulp, paper, and paperboard.....	15	9	336	71	13	8	13	41	231	91
3222	Converted paper products.....	100	49	603	415	36	26	38	77	316	156
3230	Printed products.....	1,250	88	407		10	12	15	(*)	331	702
3240	Petroleum and coal products.....	19	10	488	1,555	399	12	16		29	17
3251	Basic chemicals.....	26	3	263	167	4	2	4	14	21	10
3252	Resins, rubber, and artificial fibers.....							(*)			
3253	Agricultural chemicals.....			123	652						
3254	Pharmaceuticals and medicines.....										
3255	Paints, coatings, and adhesives.....	14	6	284	1,648	5	3	3		12	5
3256	Soaps, cleaning compounds, and toiletries.....	1	2	427	5	5	3	6		27	2
3259	Other chemical products.....	60	33	280	69	25	23	24		206	23
3260	Plastics and rubber products.....	121	18	656	2,731	179	18	24	21	138	71
3270	Nonmetallic mineral products.....	2	2	1,057	8,406	119	7	8		29	11
331A	Primary ferrous metal products.....	14	1	123	853	1	1	1		3	1
331B	Primary nonferrous metal products.....			16	130	1	(*)	2		2	(*)
3315	Foundry products.....			16	348			(*)			
3321	Forgings and stampings.....			47	54	2	1	2		6	2
3322	Cutlery and handtools.....	5	1	66	414	60	3	4		8	4
3323	Architectural and structural metal products.....			496	3,417	11	5	5		31	10
3324	Boilers, tanks, and shipping containers.....	(*)	(*)	40	113					1	(*)
332A	Ordnance and accessories.....							1			
332B	Other fabricated metal products.....	37	4	576	2,979	19	155	20		31	13
3331	Agriculture, construction, and mining machinery.....				204		1	3			
3332	Industrial machinery.....			9				(*)		6	
3333	Commercial and service industry machinery.....			36	(*)			8			17
3334	HVAC and commercial refrigeration equipment.....		1	241	2,135	3	3	14		9	5
3335	Metalworking machinery.....	(*)		1		2	29	65			(*)
3336	Turbine and power transmission equipment.....					4		2			
3339	Other general purpose machinery.....	1		50	222	(*)	23	52		3	2
3341	Computer and peripheral equipment.....	83	10	98		2	1	6		54	92
334A	Audio, video, and communications equipment.....	1	(*)	34	81	2	2	8		6	20
3344	Semiconductors and electronic components.....	23	(*)	1		1	140	60		1	42
3345	Electronic instruments.....	23	1	90	98	4	6	8		11	7
3346	Magnetic media products.....	51	16	70		3	178	5		54	290
3351	Electric lighting equipment.....	1	1	45	394	2	1	1		4	3
3352	Household appliances.....			112	800	(*)		12		(*)	
3353	Electrical equipment.....	1	3	41	1,840	2	2	2		8	7
3359	Other electrical equipment and components.....	10	5	245	2,043	24	3	6		14	234
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	19		93		517	43	44		(*)	1
336B	Aerospace products and parts.....										
336B	Other transportation equipment.....	1		23				4			
3370	Furniture and related products.....	(*)	(*)	338	3,634	3	2	2		18	3
3391	Medical equipment and supplies.....	(*)		6							
3399	Other miscellaneous manufactured products.....	59	7	153	109	25	25	21		84	135

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Insurance carriers and related activities	Funds, trusts, and other financial vehicles	Real estate	Owner- occupied dwellings	Automotive equipment rental and leasing	Consumer goods and general rental centers	Machinery and equip- ment rental and leasing	Lessors of nonfinan- cial intangi- ble assets	Legal services	Accounting and book- keeping services
	For the composition of inputs to an industry read the column for that industry											Industry number
		5240	5250	5310	S008	5321	532A	5324	5330	5411	5412
4200	Wholesale trade	174	37	1,171	5,041	333	90	75	14	387	232
4A00	Retail trade	93	*	2,417	5,008	944	72	85	.....	382	148
4810	Air transportation	1,058	135	811	92	223	125	304	(*)	1,049	646
4820	Rail transportation	16	4	63	321	18	2	20	1	18	10
4830	Water transportation	1	1	22	100	11	(*)	(*)	.....	(*)	(*)
4840	Truck transportation	47	24	424	1,995	114	15	10	5	99	65
4850	Transit and ground passenger transportation	252	24	919	.....	130	16	39	.....	312	78
4860	Pipeline transportation .....	(*)	.....	2	(*)	9	.....	.....	.....	(*)	(*)
48A0	Sightseeing transportation and transportation support	89	5	18	.....	6	24	24	.....	3	37
4920	Courier and messenger services	607	144	876	.....	64	154	103	215	764	255
4930	Warehousing and storage	14	9	16	.....	11	6	6	2	1	75
5111	Newspapers, books, and directories	25	15	97	.....	54	12	13	.....	837	155
5112	Software .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5120	Motion pictures and sound recordings	3	16	33	.....	18	136	5	.....	7	66
5131	Radio and television broadcasting .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5132	Cable networks and program distribution .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5133	Telecommunications	4,095	51	4,073	.....	258	217	319	(*)	2,199	919
5141	Information services	101	2	363	.....	17	14	21	.....	155	61
5142	Data processing services	1,501	142	89	.....	89	12	50	1	538	266
52A0	Monetary oversight and credit intermediation	4,431	2,047	8,277	8,509	624	319	520	825	1,592	921
5230	Securities, commodity contracts, investments	4,755	43,781	1,006	.....	62	37	102	26	361	334
5240	Insurance carriers and related services	121,353	1,017	6,875	14,771	67	35	545	.....	130	197
5250	Funds, trusts, and other financial vehicles	2,535	.....	.....	.....	.....	.....	.....	.....	.....	.....
5310	Real estate	8,728	699	49,399	10,141	563	1,321	680	1	9,198	2,877
S008	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5321	Automotive equipment rental and leasing	1,327	67	1,065	.....	334	115	262	.....	315	168
532A	Consumer goods and general rentals	3	1	18	21	88	29	68	.....	95	44
5324	Machinery and equipment rental and leasing	799	100	32	.....	114	69	366	.....	109	64
5330	Rights to nonfinancial intangible assets	87	20	168	.....	113	826	50	.....	87	486
5411	Legal services	1,531	513	4,592	4,743	59	73	157	(*)	5,028	533
5412	Accounting and bookkeeping services	404	378	822	.....	42	78	159	1	867	336
5413	Architectural and engineering services	204	77	6,731	834	12	12	25	6	20	42
5414	Specialized design services	100	38	1,938	1	15	30	39	21	79	196
5415	Computer systems design and related services	1,627	89	753	.....	109	15	67	34	281	329
5416	Management and technical consulting services	726	1,267	4,659	779	209	202	163	287	3,166	1,293
5417	Scientific research and development services	41	14	49	.....	17	13	11	8	10	52
5418	Advertising and related services	3,194	137	3,256	.....	581	288	778	.....	1,382	585
5419	Other professional and technical services	280	76	975	.....	23	67	157	13	100	551
5500	Management of companies and enterprises	2,843	5,967	762	.....	309	370	115	68	95	812
5613	Employment services	325	19	8,399	.....	207	107	272	29	1,190	778
5615	Travel arrangement and reservation services	23	1	15	.....	566	1	1	.....	1	17
561A	All other administrative and support services	1,802	671	22,332	4,860	204	232	287	206	3,940	833
5620	Waste management and remediation services	146	8	5,220	165	8	14	10	.....	24	52
6100	Educational services	53	27	94	.....	4	11	7	16	25	19
6210	Ambulatory health care services .....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
6220	Hospital care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6230	Nursing and residential care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6240	Social assistance .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71A0	Performing arts, spectator sports, and museums	148	57	438	.....	42	44	59	.....	172	118
7130	Amusements, gambling, and recreation	16	17	32	.....	2	14	33	.....	100	67
7210	Accommodations	363	108	1,436	.....	119	60	186	(*)	1,769	373
7220	Food and beverage services to customer order	448	187	1,739	.....	143	131	313	.....	630	646
8111	Automotive repair and maintenance	395	3	430	.....	177	52	122	.....	128	105
811A	Electronic, commercial, and household goods repair	185	113	1,508	344	503	145	342	.....	182	174
8120	Personal and laundry services	27	.....	49	.....	24	5	5	.....	37	163
813A	Religious, grantmaking, and social advocacy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
813B	Civic, social, professional and similar organizations	93	53	777	5,930	32	19	50	70	137	58
8140	Private household services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S001	Federal Government enterprise services	549	353	1,722	.....	74	90	131	.....	1,682	715
S002	State and local government enterprise services	35	6	340	.....	161	13	10	.....	97	16
S003	Noncomparable imports	991	659	85	.....	11	.....	104	1,644	.....	5
S004	Scrap, used and secondhand goods	1	.....	.....	.....	1	-466	(*)	.....	.....	.....
S005	General government services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S006	Rest of the world adjustment to final uses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S007	Inventory valuation adjustment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total intermediate inputs	170,862	59,688	186,726	119,210	9,679	6,485	8,042	3,646	42,257	19,342
	Total value added	172,599	4,646	424,413	516,726	21,041	12,670	22,733	98,377	109,839	52,744
V001	Compensation of employees	111,000	2,945	42,110	.....	4,724	4,757	5,421	1,219	62,077	33,216
V002	Indirect business tax and nontax liability	13,121	989	75,412	87,359	2,004	935	1,237	8,846	841	435
V003	Other value added	48,477	712	306,891	429,367	14,313	6,978	16,075	88,312	46,921	19,093
	Total industry output	343,461	64,333	611,139	635,937	30,719	19,154	30,775	102,023	152,096	72,086

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Architectural and engineering services	Specialized design services	Computer systems design and related services	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services
	For the composition of inputs to an industry read the column for that industry											Industry number
		5413	5414	5415	5416	5417	5418	5419	5500	5613	5615
1110	Crop products.....	9		1	2		4				
1120	Animal products.....					39			2		
1130	Forestry and logging products.....					3					
1140	Fish and other nonfarm animals.....										
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....										
2121	Coal.....										
2122	Metal ores.....					32					
2123	Nonmetallic minerals.....			1					(*)		
2130	Mining support services.....										
2211	Electric power.....	451	66	257	157	506	174	264	3,682	21	434
2212	Natural gas distribution.....	90	21	24	30	118	20	58	780	4	176
2213	Water and sewage treatment.....	35	12	11	15	55	10	39	428	2	101
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	323	44	167	156	425	141	184	3,038	20	100
3110	Food products.....		(*)			29	327	258	1		
3121	Beverage products.....						31				
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	(*)	(*)			9		16			
3140	Nonapparel textile products.....	1	(*)	(*)	22	2	56	(*)	13		(*)
3150	Apparel.....		1	1	3	3	1	(*)	(*)		2
3160	Leather and allied products.....	8	1	5	4	2	3	3		2	4
3210	Wood products.....	75	9	37	31	89	28	41	635	2	21
3221	Pulp, paper, and paperboard.....	147	8	82	243	35	31	73	32	38	13
3222	Converted paper products.....	224	43	150	97	256	114	221	132	85	73
3230	Printed products.....	666	73	304	982	1,000	1,309	388	2,716	26	810
3240	Petroleum and coal products.....	33	7	20	47	42	27	23	182	13	112
3251	Basic chemicals.....	23	64	15	332	802	18	95	231	12	3
3252	Resins, rubber, and artificial fibers.....			1			7				
3253	Agricultural chemicals.....					1	35	11			
3254	Pharmaceuticals and medicines.....							1,441			
3255	Paints, coatings, and adhesives.....	10	2	7	76	10	4	5	55	1	3
3256	Soaps, cleaning compounds, and toiletries.....		1	4	65	177	16	4	190	1	2
3259	Other chemical products.....	85	345	44	150	58	45	353	127	13	10
3260	Plastics and rubber products.....	175	140	92	127	340	110	162	1,174	24	13
3270	Nonmetallic mineral products.....	44	35	16	210	1,545	20	56	618	1	15
331A	Primary ferrous metal products.....	3	(*)	2	1	4	2	1	22	4	1
331B	Primary nonferrous metal products.....	1	1	14	(*)	2	1	1	11		(*)
3315	Foundry products.....			1		34					
3321	Forgings and stampings.....	6	1	10	3	8	2	3	53	(*)	2
3322	Cutlery and handtools.....	8	1	12	8	18	5	17	23	1	2
3323	Architectural and structural metal products.....	28	2	15	10	40	12	15	266	(*)	9
3324	Boilers, tanks, and shipping containers.....	1			(*)	(*)	9	24	2		
332A	Ordnance and accessories.....										2
332B	Other fabricated metal products.....	120	11	49	66	412	20	169	947	4	10
3331	Agriculture, construction, and mining machinery.....										
3332	Industrial machinery.....		49	2	6						
3333	Commercial and service industry machinery.....	1	1	58		2	1	1	8		7
3334	HVAC and commercial refrigeration equipment.....	7	3	4	9	11	5	5	66	(*)	3
3335	Metalworking machinery.....	15	2	3	5	32	3	1	16	(*)	
3336	Turbine and power transmission equipment.....	(*)		4			(*)	(*)			
3339	Other general purpose machinery.....	7	(*)	1	2	130	8	1	15	(*)	1
3341	Computer and peripheral equipment.....	152	4	2,563	218	108	120	13	149	7	(*)
334A	Audio, video, and communications equipment.....	6	(*)	45	29	178	5	4	18	(*)	4
3344	Semiconductors and electronic components.....	79	(*)	2,659	8	239	127	46	169	10	(*)
3345	Electronic instruments.....	474	8	44	15	114	5	15	62	3	2
3346	Magnetic media products.....	121	4	171	65	12	113	31	306	5	14
3351	Electric lighting equipment.....	8	1	2	10	6	3	3	78	1	1
3352	Household appliances.....	(*)				1	(*)		3		(*)
3353	Electrical equipment.....	4	1	22	147	11	7	5	28	2	1
3359	Other electrical equipment and components.....	11	1	24	74	45	5	11	105	(*)	3
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	2	34	19	68	76	86	34	384	13	24
336A	Aerospace products and parts.....					696					
336B	Other transportation equipment.....										
3370	Furniture and related products.....	8	2	6	10	17	5	8	73	(*)	2
3391	Medical equipment and supplies.....		2	3				218		(*)	
3399	Other miscellaneous manufactured products.....	145	124	31	83	28	149	46	72	11	22

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity	Architectural and engineering services	Specialized design services	Computer systems design and related services	Management and technical consulting services	Scientific research and development services	Advertising and related services	Other professional and technical services	Management of companies and enterprises	Employment services	Travel arrangement and reservation services
	For the composition of inputs to an industry read the column for that industry											Industry number
		5413	5414	5415	5416	5417	5418	5419	5500	5613	5615
4200	Wholesale trade	251	160	798	460	629	293	576	872	38	106
4A00	Retail trade	230	37	143	293	153	212	170	5	25	93
4810	Air transportation	960	84	611	689	238	320	263	50	269	138
4820	Rail transportation	15	2	9	22	15	17	8	32	6	4
4830	Water transportation	(*)	(*)	105	5	3	5	20	5	(*)	(*)
4840	Truck transportation	62	33	37	172	120	57	60	246	29	30
4850	Transit and ground passenger transportation	135	16	70	243	21	40	32	.....	67	23
4860	Pipeline transportation .....	(*)	.....	(*)	.....	(*)	.....	.....	1	(*)	(*)
48A0	Sightseeing transportation and transportation support	(*)	(*)	58	16	5	13	15	1	(*)	1
4920	Courier and messenger services	458	70	260	411	97	123	233	31	108	51
4930	Warehousing and storage	67	35	36	15	13	24	9	3	173	143
5111	Newspapers, books, and directories	110	11	68	835	458	32	326	231	10	26
5112	Software .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5120	Motion pictures and sound recordings	38	2	10	26	3	2,178	132	.....	1	5
5131	Radio and television broadcasting .....	.....	.....	.....	.....	.....	68	6	.....	.....	.....
5132	Cable networks and program distribution .....	.....	.....	.....	.....	.....	3	1	.....	.....	.....
5133	Telecommunications	1,291	275	2,161	1,100	526	555	1,060	7,316	232	434
5141	Information services	115	18	140	74	37	37	71	481	13	28
5142	Data processing services	461	62	941	105	211	120	70	3,468	161	411
52A0	Monetary oversight and credit intermediation	1,419	204	1,045	1,058	373	607	625	(*)	867	252
5230	Securities, commodity contracts, investments	282	26	209	231	151	112	143	1	34	16
5240	Insurance carriers and related services	126	44	72	181	71	75	440	3	20	37
5250	Funds, trusts, and other financial vehicles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5310	Real estate	3,466	478	1,850	2,648	2,262	1,626	1,609	12,885	314	1,143
S008	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5321	Automotive equipment rental and leasing	348	68	505	157	236	170	208	2,476	35	170
532A	Consumer goods and general rentals	88	24	130	42	56	43	51	597	5	50
5324	Machinery and equipment rental and leasing	266	37	246	64	178	58	188	2,223	9	57
5330	Rights to nonfinancial intangible assets	101	210	1,294	204	61	49	576	1	485	3
5411	Legal services	615	60	301	517	951	373	260	8,535	50	786
5412	Accounting and bookkeeping services	499	91	293	444	185	310	806	2,686	100	131
5413	Architectural and engineering services	5,446	186	529	664	435	28	103	6	34	97
5414	Specialized design services	666	485	41	122	18	1,503	145	225	23	22
5415	Computer systems design and related services	604	423	999	145	225	152	103	2,318	50	264
5416	Management and technical consulting services	4,450	364	826	1,335	528	581	1,104	1	218	158
5417	Scientific research and development services	228	9	131	32	75	29	25	.....	75	16
5418	Advertising and related services	460	193	1,018	542	359	1,747	1,044	26,622	264	1,262
5419	Other professional and technical services	685	62	67	115	631	910	289	.....	12	17
5500	Management of companies and enterprises	720	90	633	277	186	305	170	.....	2,969	1,171
5613	Employment services	2,992	298	3,610	1,920	1,364	969	1,020	.....	329	496
5615	Travel arrangement and reservation services	2	(*)	3	27	2	2	4	(*)	1	1
561A	All other administrative and support services	3,459	366	2,703	2,498	1,345	756	917	14	423	490
5620	Waste management and remediation services	23	10	19	21	44	11	45	437	2	91
6100	Educational services	171	3	538	13	5	8	14	.....	16	3
6210	Ambulatory health care services .....	.....	12	1	.....	.....	.....	107	.....	.....	.....
6220	Hospital care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6230	Nursing and residential care .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6240	Social assistance .....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....
71A0	Performing arts, spectator sports, and museums	177	21	111	117	39	1,508	49	.....	92	26
7130	Amusements, gambling, and recreation	102	15	62	56	22	34	27	.....	52	15
7210	Accommodations	556	67	346	304	122	189	159	.....	189	83
7220	Food and beverage services to customer order	703	157	526	1,565	183	307	260	2	408	133
8111	Automotive repair and maintenance	116	23	221	77	119	60	94	1,229	8	56
811A	Electronic, commercial, and household goods repair	255	70	633	154	339	154	269	3,480	44	176
8120	Personal and laundry services	94	94	3	57	5	186	268	.....	6	3
813A	Religious, grantmaking, and social advocacy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
813B	Civic, social, professional and similar organizations	107	13	115	76	194	42	46	.....	51	21
8140	Private household services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S001	Federal Government enterprise services	1,111	118	519	510	342	316	519	386	106	442
S002	State and local government enterprise services	26	10	19	48	69	18	42	455	3	92
S003	Noncomparable imports	643	21	1,253	520	578	136	48	.....	83	334
S004	Scrap, used and secondhand goods .....	.....	.....	.....	.....	.....	(*)	(*)	.....	.....	.....
S005	General government services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S006	Rest of the world adjustment to final uses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S007	Inventory valuation adjustment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total intermediate inputs	38,805	6,281	33,317	24,788	22,076	20,692	19,195	94,229	8,839	11,609
	Total value added	92,615	11,570	68,100	61,390	38,123	37,237	44,242	225,539	81,510	13,581
V001	Compensation of employees	57,326	5,273	50,271	31,724	33,702	19,912	10,653	195,884	70,879	9,522
V002	Indirect business tax and nontax liability	832	309	1,546	501	443	617	1,354	5,910	402	404
V003	Other value added	34,457	5,988	16,283	29,164	3,977	16,708	32,235	23,745	10,229	3,655
	Total industry output	131,420	17,851	101,417	86,178	60,198	57,929	63,437	319,768	90,349	25,190

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	All other administrative and support services	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, and museums	Amusements, gambling, and recreation	Accommodation
		561A	5620	6100	6210	6220	6230	6240	71A0	7130	7210
1110	Crop products.....	3,371		35	2	141	111	87	11	171	174
1120	Animal products.....	(*)		24		58	20	2	36	80	31
1130	Forestry and logging products.....	8		2					2		
1140	Fish and other nonfarm animals.....			40		68	9	2	2	68	166
1150	Agriculture and forestry support services.....										
2110	Oil and gas.....										
2121	Coal.....					(*)				(*)	(*)
2122	Metal ores.....										
2123	Nonmetallic minerals.....							4			
2130	Mining support services.....										
2211	Electric power.....	516	671	710	1,157	1,951	1,172	580	310	1,219	1,903
2212	Natural gas distribution.....	156	427	288	256	512	331	101	40	146	388
2213	Water and sewage treatment.....	90	193	80	155	345	192	92	44	159	282
2301	New residential construction.....										
2302	New nonresidential construction.....										
2303	Maintenance and repair construction.....	395	23	3,003	1,058	1,242	609	598	226	729	1,215
3110	Food products.....	2		792	12	3,893	2,800	3,075	111	1,872	3,228
3121	Beverage products.....			74		120	38	9	73	783	874
3122	Tobacco products.....										
3130	Yarn, fabrics, and other textile mill products.....	9		2	16	67	16	12	97	33	31
3140	Nonapparel textile products.....	21	(*)	29	9	608	163	90	52	94	520
3150	Apparel.....	72		9	26	338	30	5	16	2	3
3160	Leather and allied products.....	21	2	14	22	19	4	19	70	9	3
3210	Wood products.....	86	363	254	293	271	128	310	119	182	313
3221	Pulp, paper, and paperboard.....	283	18	258	314	218	89	134	34	59	165
3222	Converted paper products.....	896	49	321	1,027	1,660	887	649	117	143	218
3230	Printed products.....	1,728	30	645	858	1,808	386	1,329	163	141	141
3240	Petroleum and coal products.....	1,262	1,609	120	427	257	88	622	29	134	166
3251	Basic chemicals.....	493	391	225	3,716	5,122	183	19	22	17	32
3252	Resins, rubber, and artificial fibers.....					119	13			1	
3253	Agricultural chemicals.....	542		36		33	4		1	107	58
3254	Pharmaceuticals and medicines.....			37	4,113	7,176	643	23	13		
3255	Paints, coatings, and adhesives.....	113	5	182	35	80	22	91	37	66	62
3256	Soaps, cleaning compounds, and toiletries.....	419	(*)	59	192	389	149	53	7	25	131
3259	Other chemical products.....	269	8	233	805	483	149	61	44	171	106
3260	Plastics and rubber products.....	949	122	745	3,926	4,811	1,512	955	147	212	549
3270	Nonmetallic mineral products.....	94	1	498	921	735	261	65	116	111	251
331A	Primary ferrous metal products.....	5		77	8	19	6	34	4	5	16
331B	Primary nonferrous metal products.....	1	1	1	13	15	3	2	1	150	23
3315	Foundry products.....	1		2		7	(*)			9	(*)
3321	Forgings and stampings.....	7		3	174	138	26	24	7	13	28
3322	Cutlery and handtools.....	63	8	52	22	91	20	165	21	72	190
3323	Architectural and structural metal products.....	22		414	94	130	67	55	36	61	142
3324	Boilers, tanks, and shipping containers.....	(*)	(*)	2	2	5	1	(*)	1		3
332A	Ordinance and accessories.....	10								15	
332B	Other fabricated metal products.....	217	22	213	352	239	53	126	121	109	109
3331	Agriculture, construction, and mining machinery.....	28		1					6	3	
3332	Industrial machinery.....	3		1	3	(*)			(*)	2	5
3333	Commercial and service industry machinery.....	190	18	10	12	4	(*)		3	1	
3334	HVAC and commercial refrigeration equipment.....	33	(*)	68	48	114	27	17	10	20	50
3335	Metalworking machinery.....	30	2	15		11	2		1	27	5
3336	Turbine and power transmission equipment.....	16	4	3	1	1	(*)	2		2	
3339	Other general purpose machinery.....	27	1	4	7	18	2	1	4	16	9
3341	Computer and peripheral equipment.....	179		29	107	873	5		31	9	11
334A	Audio, video, and communications equipment.....	17	(*)	17	13	18	14	28	4	13	21
3344	Semiconductors and electronic components.....	901		189	1	174	58		50	2	
3345	Electronic instruments.....	69	103	52	1,217	706	19	22	3	7	12
3346	Magnetic media products.....	54	9	165	129	120	19	24	18	25	27
3351	Electric lighting equipment.....	50	1	118	63	128	57	11	31	109	132
3352	Household appliances.....	4		6	1	4	2	7	1	15	6
3353	Electrical equipment.....	92	8	54	36	104	28	9	2	13	27
3359	Other electrical equipment and components.....	49	2	59	70	52	23	34	35	25	52
3361	Motor vehicles.....										
336A	Motor vehicle bodies, trailers, and parts.....	591	608	115	225	334	45	314	64	98	111
336A	Aerospace products and parts.....										
336B	Other transportation equipment.....	2	(*)	6	23			14		19	
3370	Furniture and related products.....	10	(*)	7	43	35	16	18	14	19	40
3391	Medical equipment and supplies.....	1		43	7,216	4,181	486	111	2	23	16
3399	Other miscellaneous manufactured products.....	383	26	294	236	355	110	596	259	353	226

Industries Before Redefinitions, 1997—Continued

at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	All other administrative and support services	Waste management and remediation services	Educational services	Ambulatory health care services	Hospitals	Nursing and residential care facilities	Social assistance	Performing arts, spectator sports, and museums	Amusements, gambling, and recreation	Accommodation
		561A	5620	6100	6210	6220	6230	6240	71A0	7130	7210
4200	Wholesale trade	2,439	903	1,204	3,943	4,688	1,234	1,686	256	968	1,461
4A00	Retail trade	4,280	173	95	893	979	180	182	148	207	390
4810	Air transportation	1,513	220	513	1,408	1,090	250	258	133	127	231
4820	Rail transportation	65	54	27	74	114	27	39	4	18	37
4830	Water transportation	35	30	6	23	31	7	13	20	4	7
4840	Truck transportation	457	482	285	512	737	260	332	69	185	316
4850	Transit and ground passenger transportation	247	30	230	336	602	336	27	78	42	381
4860	Pipeline transportation	12	20	(*)	4	2		7		1	1
48A0	Sightseeing transportation and transportation support	29	112	24	86		1	11	13	49	21
4920	Courier and messenger services	558	89	195	873	640	210	132	123	235	268
4930	Warehousing and storage	144	13	26	108	137	17	54	23	71	139
5111	Newspapers, books, and directories	255	4	1,041	1,107	616	75	843	97	110	172
5112	Software										
5120	Motion pictures and sound recordings	43		1,301	22	10	374	567	760	61	148
5131	Radio and television broadcasting										
5132	Cable networks and program distribution			75	38	313	101	57	2	39	117
5133	Telecommunications	2,450	385	987	3,961	1,095	491	669	340	425	814
5141	Information services	198	34	68	301	78	32	72	26	29	56
5142	Data processing services	631	106	286	626	653	58	61	145	185	332
52A0	Monetary oversight and credit intermediation	2,107	408	591	3,996	1,127	719	499	861	1,265	1,386
5230	Securities, commodity contracts, investments	330	51	781	1,082	4,894	383	363	157	195	284
5240	Insurance carriers and related services	438	208	213	1,569	1,146	139	202	118	134	166
5250	Funds, trusts, and other financial vehicles										
5310	Real estate	3,843	124	15,828	14,915	20,718	5,777	4,777	1,852	4,184	2,895
S008	Owner-occupied dwellings										
5321	Automotive equipment rental and leasing	835	178	268	495	837	150	142	121	245	182
532A	Consumer goods and general rentals	185	6	256	135	90	42	21	32	66	50
5324	Machinery and equipment rental and leasing	376	11	251	1,130	1,072	127	48	137	180	140
5330	Rights to nonfinancial intangible assets	504	246	244	1,641	472	366	160	1,010	439	1,722
5411	Legal services	1,478	162	361	5,647	4,338	637	181	321	275	419
5412	Accounting and bookkeeping services	678	123	294	2,616	415	412	390	302	271	421
5413	Architectural and engineering services	472	42	329	259	424	95	94	78	486	348
5414	Specialized design services	121	22	131	217	188	41	23	47	99	58
5415	Computer systems design and related services	335	44	162	980	694	101	51	38	51	81
5416	Management and technical consulting services	2,158	123	633	1,703	3,752	283	466	235	413	504
5417	Scientific research and development services	242	35	138	180	740	72	81	42	108	210
5418	Advertising and related services	2,229	286	1,751	2,414	822	257	375	1,494	1,927	2,076
5419	Other professional and technical services	246	38	257	363	523	72	117	378	114	231
5500	Management of companies and enterprises	2,448	66	440	4,755	5,466	351	1,459	404	1,321	2,300
5613	Employment services	3,885	96	1,172	6,654	4,719	2,045	802	667	408	434
5615	Travel arrangement and reservation services	13	1	4	8	5	2	1	57	35	1,475
561A	All other administrative and support services	4,665	288	2,695	7,795	6,747	2,020	1,873	1,556	792	746
5620	Waste management and remediation services	92	5,127	157	342	650	347	99	34	167	379
6100	Educational services	146	6	972	62	660	21	85	283	17	20
6210	Ambulatory health care services	20	2	51	5,445	186	36		54	2	
6220	Hospital care										
6230	Nursing and residential care										
6240	Social assistance	3		(*)						(*)	(*)
71A0	Performing arts, spectator sports, and museums	196	43	282	171	139	76	179	9,080	641	508
7130	Amusements, gambling, and recreation	106	24	52	143	75	25	22	14	41	20
7210	Accommodations	471	132	286	635	416	136	91	78	64	113
7220	Food and beverage services to customer order	1,152	237	893	2,721	3,181	3,597	623	198	164	315
8111	Automotive repair and maintenance	272	957	161	357	495	72	77	75	172	126
811A	Electronic, commercial, and household goods repair	680	3,033	581	916	1,371	205	179	110	494	378
8120	Personal and laundry services	179	4	254	274	661	283	162	205	368	796
813A	Religious, grantmaking, and social advocacy										
813B	Civic, social, professional and similar organizations	186	34	323	313	221	83	54	70	33	62
8140	Private household services										
S001	Federal Government enterprise services	1,113	203	694	4,277	3,599	521	585	224	369	460
S002	State and local government enterprise services	139	31	64	177	263	195	69	31	111	313
S003	Noncomparable imports	130	21	70	13	3	3	3	14	30	111
S004	Scrap, used and secondhand goods	5	1	1		1	(*)	1			
S005	General government services										
S006	Rest of the world adjustment to final uses										
S007	Inventory valuation adjustment										
	Total intermediate inputs	60,675	19,795	48,730	118,169	123,287	34,437	29,967	25,277	26,405	36,890
	Total value added	129,637	22,163	62,779	262,939	152,101	57,784	36,918	30,141	45,417	76,694
V001	Compensation of employees	75,484	11,061	56,173	185,870	147,762	50,003	30,731	18,475	23,076	39,224
V002	Indirect business tax and nontax liability	2,852	1,844	507	2,204	978	709	468	2,346	4,043	8,111
V003	Other value added	51,301	9,258	6,099	74,865	3,361	7,072	5,719	9,320	18,297	29,360
	Total industry output	190,312	41,959	111,509	381,108	275,388	92,222	66,885	55,418	71,822	113,584

* Less than \$500,000.

Table 2. The Use of Commodities by
 [Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Food services and drinking places	Auto-motive repair and maintenance	Electronic, commercial, and household goods repair	Personal and laundry services	Religious, grant-making, and social advocacy organizations	Civic, social, professional and similar organizations	Private households	Federal Government enterprises	State and local government enterprises	General government industry	Inventory valuation adjustment	Total intermediate use
		7220	8111	811A	8120	813A	813B	8140	S001	S002	S005	S007	
1110	Crop products.....	2,803	(*)			6	42		11	10	11		92,385
1120	Animal products.....	1,404			82		4						100,060
1130	Forestry and logging products.....				45								28,627
1140	Fish and other nonfarm animals.....	2,973							12				6,313
1150	Agriculture and forestry support services.....												15,194
2110	Oil and gas.....								6	2,689			147,649
2121	Coal.....	11					(*)			1,214			21,072
2122	Metal ores.....												8,421
2123	Nonmetallic minerals.....		(*)	5	1					113	30		15,786
2130	Mining support services.....												2,695
2211	Electric power.....	4,634	640	293	1,173	279	517		12	3,405	45		110,084
2212	Natural gas distribution.....	1,173	294	83	430	73	136		34	214	6		32,149
2213	Water and sewage treatment.....	300	78	21	137	75	58		154	1,444	4		9,802
2301	New residential construction.....												
2302	New nonresidential construction.....												
2303	Maintenance and repair construction.....	1,686	285	128	626	1,104	475		907	6,886	27		71,898
3110	Food products.....	52,619			99	15	600		306				177,561
3121	Beverage products.....	7,665				7	272		26				12,744
3122	Tobacco products.....												3,925
3130	Yarn, fabrics, and other textile mill products.....	28	26	90	73		(*)			11	1		53,259
3140	Nonapparel textile products.....	163	17	31	383	5	24			122	17		11,990
3150	Apparel.....	11	6	40	125	31	4			46			9,522
3160	Leather and allied products.....	5	3	30	6	3	62		40	(*)			5,984
3210	Wood products.....	374	64	45	141	25	100			756	287		83,833
3221	Pulp, paper, and paperboard.....	1,190	44	24	154	31	36		114	56	22		65,118
3222	Converted paper products.....	1,111	96	72	259	106	178		207	110	43		61,961
3230	Printed products.....	382	32	42	288	690	4,879		819	298	83		60,607
3240	Petroleum and coal products.....	428	195	32	278	56	100		685	3,744	121		100,418
3251	Basic chemicals.....	283	31	165	106	7	11		21	812	5		111,427
3252	Resins, rubber, and artificial fibers.....			2									61,070
3253	Agricultural chemicals.....	2			37	6	1			155			20,832
3254	Pharmaceuticals and medicines.....				(*)					3			31,008
3255	Paints, coatings, and adhesives.....	45	322	84	16	5	13		1	317	54		22,856
3256	Soaps, cleaning compounds, and toiletries.....	49	102	7	1,328	7	12			40	(*)		11,261
3259	Other chemical products.....	25	73	43	378	22	91		131	869	17		30,187
3260	Plastics and rubber products.....	3,594	2,173	463	268	59	97		18	1,158	140		137,373
3270	Nonmetallic mineral products.....	722	432	124	392	23	55		(*)	1,789	261		83,121
331A	Primary ferrous metal products.....	14	3	68	111	1	6			187	41		91,563
331B	Primary nonferrous metal products.....	10	2	99	3		2				4		69,112
3315	Foundry products.....	3	(*)	28			(*)				4		27,919
3321	Forgings and stampings.....	33	6	74	14	2	9		27	1	7		23,099
3322	Cutlery and handtools.....	139	278	105	69	6	14		5	53	9		5,935
3323	Architectural and structural metal products.....	165	31	16	52	11	47			1,302	195		48,877
3324	Boilers, tanks, and shipping containers.....	1	(*)		1	(*)	(*)			2	16		15,889
332A	Ordnance and accessories.....			52	(*)								247
332B	Other fabricated metal products.....	158	808	712	110	14	35		272	1,805	110		116,778
3331	Agriculture, construction, and mining machinery.....			556	1					123	4		6,625
3332	Industrial machinery.....	78		385	153		3						7,094
3333	Commercial and service industry machinery.....		16	679	275				30	21	15		4,958
3334	HVAC and commercial refrigeration equipment.....	60	11	135	14	4	17			888	79		19,829
3335	Metalworking machinery.....	1	21	142	18		2		(*)	7	1		9,425
3336	Turbine and power transmission equipment.....	2	618	354	4	1			56	107			19,617
3339	Other general purpose machinery.....	92	104	636	7	2	2		(*)	431	31		18,813
3341	Computer and peripheral equipment.....	(*)	8	198	14		(*)		(*)		20		34,475
334A	Audio, video, and communications equipment.....	25	7	174	4	1	12			183	16		20,849
3344	Semiconductors and electronic components.....	(*)	1,051	2,015	164		1		(*)	125	51		143,074
3345	Electronic instruments.....	25	117	165	69	3	28		1	510	21		20,275
3346	Magnetic media products.....	34	12	9	22	12	30		6	41	3		9,171
3351	Electric lighting equipment.....	75	10	2	8	2	12		(*)	322	27		9,649
3352	Household appliances.....	2	(*)	721	111	1	1			70	15		4,366
3353	Electrical equipment.....	32	99	276	10	2	6			903	14		28,844
3359	Other electrical equipment and components.....	61	337	147	24	4	16		25	253	74		30,649
3361	Motor vehicles.....												1,073
336A	Motor vehicle bodies, trailers, and parts.....	248	12,929	169	161	50	29		958	370	38		171,713
3364	Aerospace products and parts.....									19			32,142
336B	Other transportation equipment.....	8	94	283	2				14	146	1		4,772
3370	Furniture and related products.....	41	8	9	27	2	14		66	321	61		13,206
3391	Medical equipment and supplies.....	1	15	24			7			41	1		15,519
3399	Other miscellaneous manufactured products.....	735	451	241	1,586	146	136		2	51	8		19,274

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Food services and drinking places	Auto-motive repair and maintenance	Electronic, commercial, and household goods repair	Personal and laundry services	Religious, grantmaking, and social advocacy organizations	Civic, social, professional and similar organizations	Private households	Federal Government enterprises	State and local government enterprises	General government industry	Inventory valuation adjustment	Total intermediate use
		7220	8111	811A	8120	813A	813B	8140	S001	S002	S005	S007	
4200	Wholesale trade	12,231	2,467	1,335	1,157	200	729		175	3,929	186		350,305
4A00	Retail trade	1,912	2,975	233	347	174	285		3	90			81,135
4810	Air transportation	1,009	493	200	315	76	120		1,378	179	189		47,957
4820	Rail transportation	440	129	19	18	5	17		205	602	9		26,878
4830	Water transportation	31	15	2	6	2	2		25	128	3		5,511
4840	Truck transportation	2,474	468	194	395	41	114		1,752	861	74		112,471
4850	Transit and ground passenger transportation	106	45	19	60	273	68		15	38	13		10,507
4860	Pipeline transportation	4	1		3	1	1		3	1,266	(*)		26,071
48A0	Sightseeing transportation and transportation support	179	11	41	44	1	2		67	302			32,297
4920	Courier and messenger services	450	161	85	203	87	149		223	366	81		40,647
4930	Warehousing and storage	18	56	20	41	9	24			88	(*)		27,176
5111	Newspapers, books, and directories	124	34	12	1,447	232	377		92	10	16		18,386
5112	Software												8,985
5120	Motion pictures and sound recordings	1,399	14	5	73	42	157		10	(*)			40,093
5131	Radio and television broadcasting												6,054
5132	Cable networks and program distribution	283					5			1			8,931
5133	Telecommunications	1,252	706	696	1,041	309	662		248	511	219		138,647
5141	Information services	77	47	47	71	54	47		25	48	15		7,930
5142	Data processing services	525	209	115	177	76	211		41	201	116		32,221
52A0	Monetary oversight and credit intermediation	5,293	894	534	980	154	290		513	1,035	8		183,161
5230	Securities, commodity contracts, investments	477	105	70	139	354	276		62	413	17		128,741
5240	Insurance carriers and related services	403	129	89	208	71	79		177	235	90		177,348
5250	Funds, trusts, and other financial vehicles												2,744
5310	Real estate	13,078	2,712	1,258	6,706	7,380	4,881		699	3,185	368		370,696
S008	Owner-occupied dwellings												
5321	Automotive equipment rental and leasing	320	157	156	265	82	109		42	448	49		38,848
532A	Consumer goods and general rentals	81	44	41	71	18	26		1	17	8		6,646
5324	Machinery and equipment rental and leasing	214	119	108	193	58	83		26	119	102		38,230
5330	Rights to nonfinancial intangible assets	3,001	97	61	442	12	34		50	2	2		72,274
5411	Legal services	467	170	128	407	348	531		102	563	74		89,285
5412	Accounting and bookkeeping services	1,006	379	192	564	336	362		101	570	73		54,986
5413	Architectural and engineering services	277	17	16	65	75	61		45	6,137	682		98,999
5414	Specialized design services	143	30	17	61	10	23		14	20	6		16,300
5415	Computer systems design and related services	153	61	57	67	103	110		165	617	37		34,040
5416	Management and technical consulting services	1,021	242	127	423	511	518		352	1,070	124		79,119
5417	Scientific research and development services	24	84	34	117	50	104		43	21	2		32,459
5418	Advertising and related services	6,210	1,003	522	1,710	394	1,331		114	533	11		171,254
5419	Other professional and technical services	128	156	57	785	225	126		29	314			45,132
5500	Management of companies and enterprises	20	1,590	354	1,339	219	258			88	140		293,080
5613	Employment services	575	585	657	771	711	523		388	273	643		83,172
5615	Travel arrangement and reservation services	9	1	1	8	3	3		(*)	(*)	1		16,952
561A	All other administrative and support services	1,043	570	613	1,213	1,843	2,501		585	2,429	486		161,206
5620	Waste management and remediation services	469	185	32	392	46	91		433	64	8		27,346
6100	Educational services	42	12	5	34	90	241		16	57	5		8,824
6210	Ambulatory health care services					22	28						6,079
6220	Hospital care												
6230	Nursing and residential care												
6240	Social assistance						(*)						8
71A0	Performing arts, spectator sports, and museums	1,860	67	31	662	32	23		15	35	33		28,946
7130	Amusements, gambling, and recreation	188	38	17	30	15	11		6	14	19		4,072
7210	Accommodations	416	212	96	147	83	68		61	80	132		23,754
7220	Food and beverage services to customer order	1,561	238	171	435	55	183		171	164	71		57,458
8111	Automotive repair and maintenance	436	88	72	139	22	76		162	54	43		37,893
811A	Electronic, commercial, and household goods repair	1,223	256	227	399	46	174		48	592	99		71,096
8120	Personal and laundry services	553	572	81	1,179	29	68		255	14	1		10,420
813A	Religious, grantmaking, and social advocacy												
813B	Civic, social, professional and similar organizations	127	116	77	194	47	128		58	34	46		19,142
8140	Private household services												
S001	Federal Government enterprise services	610	318	243	587	501	920		99	367	48		48,157
S002	State and local government enterprise services	434	103	38	175	12	84		217	1,279	10		12,477
S003	Noncomparable imports	40	7	24	95				1,038				64,686
S004	Scrap, used and secondhand goods	2	758	19	2								16,985
S005	General government services												
S006	Rest of the world adjustment to final uses												
S007	Inventory valuation adjustment												
	Total intermediate inputs	150,142	41,895	19,542	36,261	18,431	25,506		15,313	64,005	6,394		6,517,231
	Total value added	149,627	43,023	35,966	55,554	36,421	23,189	12,035	59,309	60,351	944,633	9,211	
V001	Compensation of employees	100,267	21,536	17,342	24,446	36,391	22,863	12,035	53,569	39,054	793,103		4,656,147
V002	Indirect business tax and nontax liability	17,327	3,369	1,308	2,341	30	326			1,055			646,223
V003	Other value added	32,033	18,118	17,317	28,767				5,740	20,243	151,530	9,211	3,043,276
	Total industry output	299,769	84,918	55,508	91,815	54,852	48,695	12,035	74,622	124,356	951,027	9,211	

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Personal consumption expenditures F010	Private fixed investment F020	Change in private inventories F030	Exports of goods and services F040	Imports of goods and services F050	Federal Government consumption and gross investment				
							Total	National defense: Consumption expenditures	National defense: Gross investment	Non-defense: Consumption expenditures	Non-defense: Gross investment
							F06C	F06I	F07C	F07I	
1110	Crop products.....	26,967		3,983	20,535	-12,118	-416			-416	
1120	Animal products.....	4,474		-192	1,936	-2,596	1	1			
1130	Forestry and logging products.....			124	1,812	-1,788	-548	-2		-546	
1140	Fish and other nonfarm animals.....	4,232		83	2,131	-6,613					
1150	Agriculture and forestry support services.....	459			23	-9					
2110	Oil and gas.....			-19	1,418	-64,465	-403			-403	
2121	Coal.....	57		96	2,288	-305	33			33	
2122	Metal ores.....		39	11	1,146	1,891	-279	-280		1	
2123	Nonmetallic minerals.....	40		195	760	-1,336	(*)	-6		6	
2130	Mining support services.....		22,497	28							
2211	Electric power.....	94,516			301	-1,043	3,037	1,493		1,543	
2212	Natural gas distribution.....	36,832		3	218		775	354		421	
2213	Water and sewage treatment.....	21,428			58		708	335		373	
2301	New residential construction.....		254,733				2,024		2,024		
2302	New nonresidential construction.....		224,188				13,898		3,698		10,200
2303	Maintenance and repair construction.....		27,333		96		5,618	3,335			
3110	Food products.....	223,062		1,378	24,028	-21,515	233	167		65	
3121	Beverage products.....	57,168		955	1,406	-6,338	9	9			
3122	Tobacco products.....	32,257		1,037	5,818	-1,282					
3130	Yarn, fabrics, and other textile mill products.....	2,991	1	48	4,808	-7,239	71	45		27	
3140	Nonapparel textile products.....	19,032	2,905	657	2,098	-5,289	221	115		83	23
3150	Apparel.....	99,875		2,620	7,378	-55,575	459	455		5	
3160	Leather and allied products.....	23,704		365	1,936	-21,945	30	25		5	
3210	Wood products.....	1,556	9,842	1,125	4,681	-13,589	24	11		13	1
3221	Pulp, paper, and paperboard.....	6,503		565	9,280	-12,372	82	3		80	
3222	Converted paper products.....	8,600		826	4,053	-3,145	759	60		699	
3230	Printed products.....	2,739		631	1,287	-1,115	1,597	304		1,293	
3240	Petroleum and coal products.....	58,635		744	8,790	-12,293	2,299	1,915		385	
3251	Basic chemicals.....	717	2,040	718	22,562	-20,097	2,124	668		1,457	
3252	Resins, rubber, and artificial fibers.....			619	13,293	-7,222	4	3		1	
3253	Agricultural chemicals.....	1,296		506	4,250	-3,174	27	3		25	
3254	Pharmaceuticals and medicines.....	60,783		3,551	10,048	-27,314	760	607		153	
3255	Paints, coatings, and adhesives.....	1,059		192	1,595	-698	9			9	
3256	Soaps, cleaning compounds, and toiletries.....	36,657		840	4,130	-3,011	104	44		60	
3259	Other chemical products.....	2,394		404	4,551	-4,389	599	183		416	
3260	Plastics and rubber products.....	15,229	266	1,747	11,692	-14,769	807	533		228	46
3270	Nonmetallic mineral products.....	5,623		597	5,021	-11,077	274	19		255	
331A	Primary ferrous metal products.....	739		1,564	4,843	-18,452	13	11		2	
331B	Primary nonferrous metal products.....	57		589	8,010	-16,728	185	102		83	
3315	Foundry products.....	6		309	489	-618	16	8		8	
3321	Forgings and stampings.....	256		357	637	-100	141	81		60	
3322	Cutlery and handtools.....	4,910	302	263	1,145	-3,206	390	335	22	27	6
3323	Architectural and structural metal products.....	74	464	513	1,109	-746	227	68		115	43
3324	Boilers, tanks, and shipping containers.....	123	4,061	205	2,090	-813	273	39		167	35
332A	Ordnance and accessories.....	1,459		31	1,115	-460	3,317	1,906	1,394	17	
332B	Other fabricated metal products.....	2,296	2,506	1,249	8,941	-14,917	1,009	434	165	214	195
3331	Agriculture, construction, and mining machinery.....	619	33,712	2,253	14,669	-9,748	416	12	394		10
3332	Industrial machinery.....	557	26,361	541	11,312	-12,248	43	1	34		8
3333	Commercial and service industry machinery.....	1,995	17,343	260	5,337	-10,382	1,321	18	1,246	4	53
3334	HVAC and commercial refrigeration equipment.....	1,601	5,764	15	5,479	-3,682	131	55		76	
3335	Metalworking machinery.....	62	25,347	356	4,243	-8,623	69	6	35	27	1
3336	Turbine and power transmission equipment.....	521	3,423	17	12,160	-6,409	549	62	278	2	207
3339	Other general purpose machinery.....	1,170	34,540	831	15,409	-13,842	365	71	210	24	59
3341	Computer and peripheral equipment.....	16,207	61,452	2,372	21,361	-50,335	3,265	193	1,020	616	1,436
334A	Audio, video, and communications equipment.....	22,607	52,334	473	23,017	-35,294	4,716	1,461	1,712	201	1,342
3344	Semiconductors and electronic components.....	433		1,846	53,039	-59,858	1,830	1,489		339	3
3345	Electronic instruments.....	3,609	38,848	55	20,010	-15,112	16,401	5,381	8,699	995	1,326
3346	Magnetic media products.....	415	100	418	2,969	-2,261	217	53		165	
3351	Electric lighting equipment.....	3,408	468	81	1,301	-3,752	122	2		121	
3352	Household appliances.....	15,464	3,386	74	2,921	-6,698	19	1	13		5
3353	Electrical equipment.....	224	7,161	201	5,855	-8,606	709	167	219	190	133
3359	Other electrical equipment and components.....	4,800	4,314	493	8,604	-9,694	544	105	230	120	88
3361	Motor vehicles.....	129,191	141,961	3,867	22,850	-87,831	1,391		721		670
336A	Motor vehicle bodies, trailers, and parts.....	14,650	8,275	-1,663	34,136	-40,334	1,662	1,093	108	119	342
336A	Aerospace products and parts.....	695	13,918	-1,671	48,844	-15,851	37,845	25,151	8,578	1,087	3,029
336B	Other transportation equipment.....	9,243	9,413	392	4,601	-4,679	8,036	2,526	5,361	47	101
3370	Furniture and related products.....	29,943	22,068	482	2,364	-9,531	124		15		108
3391	Medical equipment and supplies.....	7,617	13,724	385	7,040	-6,482	1,030	486	113	287	143
3399	Other miscellaneous manufactured products.....	52,037	8,243	1,167	7,085	-34,714	101	12	56	26	8

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	Personal consumption expenditures F010	Private fixed investment F020	Change in private inventories F030	Exports of goods and services F040	Imports of goods and services F050	Federal Government consumption and gross investment				
							Total	National defense: Consumption expenditures F06C	National defense: Gross investment F06I	Non-defense: Consumption expenditures F07C	Non-defense: Gross investment F07I
4200	Wholesale trade	222,467	72,837	5,338	61,685	19,617	5,673	1,944	2,138	741	850
4A00	Retail trade	617,895	34,189		1		8	1		6	
4810	Air transportation	53,765	2,854	144	28,614	-14,957	3,524	2,171	151	1,142	60
4820	Rail transportation	4,584	1,579	168	4,710	-194	409	255	12	128	13
4830	Water transportation	5,941	19	22	6,588	4,899	1,265	1,193		71	
4840	Truck transportation	34,462	5,967	917	13,827	-1,985	2,549	2,143	127	243	36
4850	Transit and ground passenger transportation	16,807					25	22		3	
4860	Pipeline transportation	713		-1	342		25	21		4	
48A0	Sightseeing transportation and transportation support	3,122			6,386		53			53	
4920	Courier and messenger services										
4930	Warehousing and storage	452			464		653	120		533	
5111	Newspapers, books, and directories	39,520		843	2,729	-1,907	208	47		161	
5112	Software	5,591	31,736	279	6,606	-478	2,390		1,330		1,060
5120	Motion pictures and sound recordings	18,398		-89	6,077	-434	611	557		53	
5131	Radio and television broadcasting	2,254									
5132	Cable networks and program distribution	30,131					4			4	
5133	Telecommunications	105,376	5,532		4,719		5,701	2,128		3,573	
5141	Information services	6,123			21	-4	215	176		39	
5142	Data processing services				268	-17	3,358	2,904		454	
52A0	Monetary oversight and credit intermediation	207,204			19,151	-305	1,513			1,513	
5230	Securities, commodity contracts, investments	58,328			8,524		1			1	
5240	Insurance carriers and related services	162,551			3,096	-5,619	5,361	9		5,352	
5250	Funds, trusts, and other financial vehicles	67,909					-103			-103	
5310	Real estate	190,399	43,539		702		3,541	398		3,143	
S008	Owner-occupied dwellings	592,862									
5321	Automotive equipment rental and leasing	40,507			1,548	-145	495	296		199	
532A	Consumer goods and general rentals	16,689			23						
532A	Machinery and equipment rental and leasing	91			2,016	-44	140	40		100	
5330	Rights to nonfinancial intangible assets				29,735	-16					
5411	Legal services	53,747			2,901	-607	837	531		306	
5412	Accounting and bookkeeping services	4,962			420	-306	634	631		3	
5413	Architectural and engineering services		20,823		6,073	-859	3,183	2,693		490	
5414	Specialized design services	2,523			5	-9	28	23		5	
5415	Computer systems design and related services		67,498		4,406	-764	27,656	4,518	8,076	3,686	11,377
5416	Management and technical consulting services	1,045			1,759	-1,634	2,542	2,442		99	
5417	Scientific research and development services	8,649			940	-422	17,311	10,778		6,533	
5418	Advertising and related services	714			1,310	-1,325	486	454		32	
5419	Other professional and technical services	14,725			28	-3	620	199		421	
5500	Management of companies and enterprises				22,417						
5613	Employment services	784			85	-17	1,204	1,171		33	
5615	Travel arrangement and reservation services	6,961			1,059						
561A	All other administrative and support services	14,279			412	-7	6,122	5,711		412	
5620	Waste management and remediation services	8,732			6		712	346		366	
6100	Educational services	121,012			447	-565	8,620	258		8,362	
6210	Ambulatory health care services	389,518			1		195			195	
6220	Hospital care	337,821			23	-10	228			228	
6230	Nursing and residential care	92,577					204			204	
6240	Social assistance	64,556					19			19	
71A0	Performing arts, spectator sports, and museums	23,293			150	-260	312	311		1	
7130	Amusements, gambling, and recreation	79,451					210	207		3	
7210	Accommodations	53,423					1,289	750		539	
7220	Food and beverage services to customer order	291,088			408		440	255		185	
8111	Automotive repair and maintenance	105,396			8		46	14		32	
811A	Electronic, commercial, and household goods repair	14,507		(*)	22	-1,186	2,837	2,549		288	
8120	Personal and laundry services	83,981		21			96	91		5	
813A	Religious, grantmaking, and social advocacy	53,837									
813B	Civic, social, professional and similar organizations	25,091			105						
8140	Private household services	12,035									
S001	Federal Government enterprise services	7,046			261		1,013	1,132		-119	
S002	State and local government enterprise services	29,053					431	197		234	
S003	Noncomparable imports	45,260	998			-120,514	9,570	7,245		2,325	
S004	Scrap, used and secondhand goods	35,521	-50,991	2,551	7,853	-5,796	135	686	-57	108	-603
S005	General government services						293,006	195,128		97,878	
S006	Rest of the world adjustment to final uses	-90,012			91,249	-40	-1,197			-1,197	
S007	Inventory valuation adjustment			9,211							
	Total	5,571,584	1,319,909	62,166	898,585	-989,747	537,816	304,470	48,156	152,776	32,415

* Less than \$500,000.

Table 2. The Use of Commodities by
[Millions of dollars]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	State and local government consumption and gross investment				GDP	Total commodity output	
		Total	Education: Consumption expenditures	Education: Gross investment	Other: Consumption expenditures			Other: Gross investment
			F08C	F08I	F09C			F09I
1110	Crop products.....	1,345	490		855		40,295	132,679
1120	Animal products.....	45	83		-38		3,669	103,729
1130	Forestry and logging products.....	-586			-586		-986	27,642
1140	Fish and other nonfarm animals.....	-97	16		-113		-264	6,050
1150	Agriculture and forestry support services.....	-700			-700		-227	14,967
2110	Oil and gas.....						-63,470	84,179
2121	Coal.....	51	30		22		2,220	23,292
2122	Metal ores.....						2,809	11,229
2123	Nonmetallic minerals.....	392			392		51	15,837
2130	Mining support services.....						22,525	25,220
2211	Electric power.....	16,520	6,172		10,349		113,332	223,416
2212	Natural gas distribution.....	5,517	2,825		2,693		43,345	75,493
2213	Water and sewage treatment.....	2,712	994		1,718		24,906	34,708
2301	New residential construction.....	5,024		648		4,376	261,781	261,781
2302	New nonresidential construction.....	131,584		32,885		98,699	369,670	369,670
2303	Maintenance and repair construction.....	17,695	2,721		14,974		50,742	122,640
3110	Food products.....	11,633	6,900		4,732		238,819	416,380
3121	Beverage products.....	241	164		77		53,440	66,184
3122	Tobacco products.....	-66	-4		-62		37,764	41,689
3130	Yarn, fabrics, and other textile mill products.....	407	86		321		1,088	54,347
3140	Nonapparel textile products.....	554	91	14	437	12	20,176	32,166
3150	Apparel.....	1,554	-15		1,569		56,311	65,833
3160	Leather and allied products.....	185	2		183		4,275	10,259
3210	Wood products.....	865	427		438		4,503	88,336
3221	Pulp, paper, and paperboard.....	1,805	1,111		694		5,863	70,982
3222	Converted paper products.....	2,336	730		1,606		13,429	75,390
3230	Printed products.....	4,610	2,357		2,253		9,749	70,355
3240	Petroleum and coal products.....	15,027	6,158		8,869		73,204	173,622
3251	Basic chemicals.....	4,224	894		3,330		12,288	123,715
3252	Resins, rubber, and artificial fibers.....	2	1		1		6,696	67,765
3253	Agricultural chemicals.....	700	194		506		3,604	24,436
3254	Pharmaceuticals and medicines.....	6,173	151		6,022		54,000	85,008
3255	Paints, coatings, and adhesives.....	733	447		285		2,890	25,746
3256	Soaps, cleaning compounds, and toiletries.....	945	251		694		39,665	50,926
3259	Other chemical products.....	2,979	891		2,088		6,537	36,724
3260	Plastics and rubber products.....	3,222	402		2,820		18,193	155,566
3270	Nonmetallic mineral products.....	931	266		665		1,367	84,489
331A	Primary ferrous metal products.....	142	38		103		-11,151	80,411
331B	Primary nonferrous metal products.....	15	6		9		-7,872	61,240
3315	Foundry products.....	15			15		218	28,137
3321	Forgings and stampings.....	83	17		65		1,374	24,472
3322	Cutlery and handtools.....	1,137	369	43	712	13	4,941	10,876
3323	Architectural and structural metal products.....	321	139		182		1,960	50,837
3324	Boilers, tanks, and shipping containers.....	297	6	128	12	153	6,237	22,126
332A	Ordnance and accessories.....	171			171		5,633	5,880
332B	Other fabricated metal products.....	926	100	234	247	344	2,010	118,788
3331	Agriculture, construction, and mining machinery.....	1,506	104	18	18	1,367	43,428	50,054
3332	Industrial machinery.....	249	46	190		13	26,814	33,908
3333	Commercial and service industry machinery.....	2,996	323	1,322	128	1,224	18,870	23,828
3334	HVAC and commercial refrigeration equipment.....	818	222	161	407	28	10,126	29,955
3335	Metalworking machinery.....	506	88	83	57	279	21,960	31,386
3336	Turbine and power transmission equipment.....	306		24	174	109	10,566	30,183
3339	Other general purpose machinery.....	868	87	117	78	586	39,341	58,154
3341	Computer and peripheral equipment.....	4,339	269	1,866	515	1,689	58,661	93,136
334A	Audio, video, and communications equipment.....	1,852	114	638	246	853	69,705	90,554
3344	Semiconductors and electronic components.....	300	107		193		-2,411	140,664
3345	Electronic instruments.....	1,338	24	536	131	649	65,150	85,425
3346	Magnetic media products.....	65	54		11		1,923	11,094
3351	Electric lighting equipment.....	1,071	480	13	565	14	2,698	12,347
3352	Household appliances.....	351	1	259	14	78	15,517	19,883
3353	Electrical equipment.....	916	84	295	42	496	6,459	35,303
3359	Other electrical equipment and components.....	282	71	55	127	29	9,344	39,992
3361	Motor vehicles.....	7,638		1,809		5,829	219,066	220,139
336A	Motor vehicle bodies, trailers, and parts.....	3,423	1,369		2,054		20,149	191,862
3364	Aerospace products and parts.....	33				33	83,814	115,956
336B	Other transportation equipment.....	702		100	17	585	27,707	32,479
3370	Furniture and related products.....	3,933		2,518	3	1,412	49,382	62,588
3391	Medical equipment and supplies.....	3,368	5	278	2,070	1,015	26,682	42,200
3399	Other miscellaneous manufactured products.....	2,964	773	1,032	1,038	121	36,883	56,156

Industries Before Redefinitions, 1997—Continued
 at producers' prices]

Commodity number	For the distribution of output of a commodity read the row for that commodity For the composition of inputs to an industry read the column for that industry Industry number	State and local government consumption and gross investment				GDP	Total commodity output	
		Total	Education: Consumption expenditures	Education: Gross investment	Other: Consumption expenditures			Other: Gross investment
			F08C	F08I	F09C			F09I
4200	Wholesale trade	14,980	4,067	1,911	6,811	2,191	402,597	752,902
4A00	Retail trade	202	194		8		652,294	733,429
4810	Air transportation	1,912	662	48	1,135	66	75,855	123,812
4820	Rail transportation	817	261	29	470	57	12,072	38,949
4830	Water transportation	382	77	(*)	305	(*)	19,116	24,628
4840	Truck transportation	3,235	1,182	118	1,726	209	58,972	171,443
4850	Transit and ground passenger transportation	4,737	4,249		488		21,569	32,076
4860	Pipeline transportation	135	56		79		1,213	27,284
48A0	Sightseeing transportation and transportation support	118	27		91		9,677	41,974
4920	Courier and messenger services	1,241	410		830		1,241	41,887
4930	Warehousing and storage	550	219		331		2,119	29,295
5111	Newspapers, books, and directories	4,530	4,007		523		45,924	64,310
5112	Software	2,944		485		2,459	49,068	58,053
5120	Motion pictures and sound recordings	177	51		125		24,740	64,833
5131	Radio and television broadcasting						2,254	8,308
5132	Cable networks and program distribution	112	106		7		30,247	39,178
5133	Telecommunications	11,780	5,135		6,645		133,108	271,756
5141	Information services	-357	72		-429		5,999	13,929
5142	Data processing services	2,786	105		2,681		6,396	38,617
52A0	Monetary oversight and credit intermediation	7,353			7,353		234,915	418,076
5230	Securities, commodity contracts, investments	7,791			7,791		74,644	203,385
5240	Insurance carriers and related services	863	495		368		166,253	343,601
5250	Funds, trusts, and other financial vehicles	-6,250			-6,250		61,556	64,300
5310	Real estate	12,414	1,143		11,270		250,594	621,289
S008	Owner-occupied dwellings						592,862	592,862
5321	Automotive equipment rental and leasing	2,629	605		2,024		45,034	83,882
532A	Consumer goods and general rentals	1,166	358		808		17,878	24,524
5324	Machinery and equipment rental and leasing	1,661	278		1,384		3,865	42,095
5330	Rights to nonfinancial intangible assets						29,719	101,992
5411	Legal services	6,583	1,478		5,105		63,460	152,745
5412	Accounting and bookkeeping services	3,123	756		2,367		8,833	63,820
5413	Architectural and engineering services	2,244	2,201		43		31,462	130,461
5414	Specialized design services	209	56		153		2,756	19,056
5415	Computer systems design and related services	8,553	311	505	1,704	6,033	107,348	141,388
5416	Management and technical consulting services	7,087	2,693		4,394		10,798	89,918
5417	Scientific research and development services	4,194	220		3,973		30,671	63,130
5418	Advertising and related services	2,867	1,216		1,651		4,051	175,305
5419	Other professional and technical services	577	196		381		15,947	61,078
5500	Management of companies and enterprises						22,417	315,497
5613	Employment services	3,425	751		2,674		5,480	88,653
5615	Travel arrangement and reservation services	125	6		119		8,144	25,097
561A	All other administrative and support services	7,878	3,110		4,768		28,684	189,890
5620	Waste management and remediation services	2,684	1,086		1,598		12,133	39,479
6100	Educational services	-34,854	-37,410		2,556		94,660	103,484
6210	Ambulatory health care services	-15,461			-15,461		374,255	380,333
6220	Hospital care	-70,983	-18		-70,965		267,078	267,078
6230	Nursing and residential care	804			804		93,584	93,584
6240	Social assistance	1,692			1,692		66,267	66,275
71A0	Performing arts, spectator sports, and museums	-246	113		-359		23,248	52,194
7130	Amusements, gambling, and recreation	-2,720	364		-3,083		76,942	81,014
7210	Accommodations	-1,062	-4,276		3,213		53,649	77,402
7220	Food and beverage services to customer order	-3,277	-7,686		4,409		288,659	346,117
8111	Automotive repair and maintenance	2,307	1,142		1,165		107,757	145,651
811A	Electronic, commercial, and household goods repair	7,671	3,308		4,362		23,850	94,947
8120	Personal and laundry services	2,003	473		1,530		86,100	96,520
813A	Religious, grantmaking, and social advocacy	539			539		54,376	54,376
813B	Civic, social, professional and similar organizations	388	312		76		25,585	44,727
8140	Private household services						12,035	12,035
S001	Federal Government enterprise services	4,450	396		4,054		12,770	60,927
S002	State and local government enterprise services	1,098	343		755		30,582	43,059
S003	Noncomparable imports						-64,686	
S004	Scrap, used and secondhand goods	-767	-321	358	-2,059	1,255	-11,495	5,490
S005	General government services	644,806	334,075		310,731		937,812	937,812
S006	Rest of the world adjustment to final uses							
S007	Inventory valuation adjustment						9,211	9,211
	Total	945,333	368,386	48,717	395,956	132,275	8,345,646	14,862,876

* Less than \$500,000.

U.S. Multinational Companies: Operations in 2000

By Raymond J. Mataloni, Jr.

THE combined domestic and foreign operations of nonbank U.S. multinational companies (MNC's) grew rapidly in 2000, according to preliminary estimates from the annual survey of U.S. direct investment abroad conducted by the Bureau of Economic Analysis (BEA).¹ The worldwide gross product of U.S. MNC's—U.S. parents and their majority-owned foreign affiliates (MOFA's)—increased 8.7 percent in 2000 (table 1).² About three-fourths of the growth was attributable to parents and affiliates that existed in both 1999 and 2000, and about one-fourth was attributable to the entry of new parents and affiliates to the MNC universe in 2000. The gross product of U.S. parents increased 9.1 percent and that of MOFA's increased 7.0 percent. Growth in MNC operations generally exceeded that in the economies in which they are located, which led to a modest increase in the MNC share of the world economy.

Two other key measures of MNC operations also grew in 2000; MNC employment increased 1.5 percent, and capital expenditures increased 7.6 percent. Growth in employment was slower than that in the

other key measures, partly because growth in gross product and capital expenditures was concentrated in capital-intensive industries.

Growth in MNC operations in 2000 was strongest in oil and gas extraction and in petroleum and coal products manufacturing. In those two industries combined, MNC gross product increased 35.1 percent, as worldwide growth in petroleum consumption contributed to a sharp rise in prices for petroleum products.

MNC gross product in all other industries combined increased 6.4 percent in 2000, partly reflecting strong growth in the world economy. In addition, output expanded in a number of industries as a result of factors that increased the demand for particular products. For example, the continuing boom in merger and acquisition activity boosted the output of U.S. MNC's engaged in investment banking. The rising use of the Internet and cellular phones in the United States and abroad boosted the output of U.S. MNC's engaged in the manufacture of advanced consumer electronics, software design, and telecommunications services.

By area, the increase in MNC gross product was strongest in Africa and the Middle East (chart 1). Among African affiliates, growth was most rapid in petroleum-producing countries, particularly Nigeria and Angola, where the growth reflected the developments in world petroleum prices and consumption. Among

1. This article presents highlights from the 2000 annual survey and the 1999 benchmark survey. More detailed estimates will be available later this year (see the box "Data Availability" on page 122).

The 1999 benchmark survey estimates presented here are the final revised estimates. Highlights of the preliminary 1999 estimates were presented in Raymond J. Mataloni, Jr., and Daniel R. Yorgason, "Operations of U.S. Multinational Companies: Preliminary Results from the 1999 Benchmark Survey," *SURVEY OF CURRENT BUSINESS* 82 (March 2002): 24–54. Highlights of the preliminary 1998 estimates were presented in Raymond J. Mataloni, Jr., "U.S. Multinational Companies: Operations in 1998," *SURVEY* 80 (July 2000): 26–45. Highlights of the preliminary 1997 estimates were presented in Raymond J. Mataloni, Jr., "U.S. Multinational Companies: Operations in 1997," *SURVEY* 79 (July 1999): 8–35. These articles focus on the preliminary estimates for the most recent year; they also present the final estimates for the preceding year, but these estimates are not analyzed in detail, because the revisions tend to be small. A complete list of the *SURVEY* articles presenting highlights of the operations of U.S. multinational companies is available on BEA's Web site at <www.bea.gov/bea/ai/iid-guide.htm>.

2. A U.S. MNC comprises a U.S. parent company and its foreign affiliates. The examination of the foreign operations of U.S. MNC's in this article generally focuses on data for majority-owned foreign affiliates (MOFA's) rather than for all foreign affiliates because MOFA's are usually under U.S. managerial control and because some of the data necessary for this analysis are collected only for MOFA's. In addition, most foreign affiliates are majority-owned. For example, in 2000, MOFA's accounted for 84 percent of the employment by all nonbank foreign affiliates.

Acknowledgments

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Middle Eastern affiliates, growth was most rapid in Israel and reflected the establishment of new affiliates and the expansion of existing affiliates engaged in the design and production of advanced consumer electronics. Elsewhere in the region, growth primarily reflected the developments in the petroleum industry. (Despite the strong growth in the gross product of affiliates in Africa and the Middle East, affiliates in these two regions accounted for less than 4 percent of total affiliate gross product in 2000.) Growth in the gross product of affiliates in Latin America and other Western Hemisphere was also strong, reflecting favorable local business conditions and rising demand in the United States for some goods produced by these affiliates. Growth in affiliate gross product was weakest in Europe, reflecting generally below-average economic growth in that area. Within Europe, affiliate gross product declined in several countries, most significantly in Germany, France, and Italy.

The increase in output by U.S. MNC's in 2000 reflected growth in the productive assets of foreign affiliates through the expansion of existing affiliates and through the acquisition and establishment of new affiliates. The total assets of affiliates increased 13.6 percent, and U.S. parents' claims on those assets, as measured by the U.S. direct investment position abroad at current cost, increased 10.0 percent in 2000. In 2001, growth in the direct investment position fell to 7.1 percent, reflecting a slowdown in the global economy and a sharp decrease in merger and acquisition activity worldwide.³

The following are additional highlights of the survey results for 2000:

- Worldwide production, capital expenditures, and employment of U.S. MNC's remained concentrated in the United States: U.S. parents accounted for about three-fourths, and MOFA's for about one-fourth, of their combined gross product of \$2,695.3 billion, capital expenditures of \$519.6 billion, and employment of 31.2 million. These shares were essentially unchanged from 1989.
- Based on World Bank estimates of world GDP in current dollars, which are roughly comparable with the estimates of U.S.-MNC gross product, the U.S.-

MNC share of world GDP was 8.6 percent, up from 8.1 percent in 1999 and 6.8 percent in 1994. The

Table 1. Gross Product, Employment, and Capital Expenditures of Nonbank U.S. MNC's, U.S. Parents, and Foreign Affiliates, 1982-2000

	MNC's worldwide		Parents	Affiliates		
	Parents and all affiliates	Parents and MOFA's		Total	MOFA's	Other
Gross product						
Millions of dollars:						
1982	n.a.	1,019,734	796,017	n.a.	223,717	n.a.
1983	n.a.	n.a.	n.a.	n.a.	216,683	n.a.
1984	n.a.	n.a.	n.a.	n.a.	220,331	n.a.
1985	n.a.	n.a.	n.a.	n.a.	220,074	n.a.
1986	n.a.	n.a.	n.a.	n.a.	231,644	n.a.
1987	n.a.	n.a.	n.a.	n.a.	269,734	n.a.
1988	n.a.	n.a.	n.a.	n.a.	297,556	n.a.
1989	n.a.	1,364,878	1,044,884	n.a.	319,994	n.a.
1990	n.a.	n.a.	n.a.	n.a.	356,033	n.a.
1991	n.a.	n.a.	n.a.	n.a.	355,963	n.a.
1992	n.a.	n.a.	n.a.	n.a.	361,524	n.a.
1993	n.a.	n.a.	n.a.	n.a.	359,179	n.a.
1994	n.a.	1,717,488	1,313,792	n.a.	403,696	n.a.
1995	n.a.	1,831,046	1,365,470	n.a.	465,576	n.a.
1996	n.a.	1,978,948	1,480,638	n.a.	498,310	n.a.
1997	n.a.	2,094,318	1,573,451	n.a.	520,867	n.a.
1998	n.a.	2,100,773	1,594,504	n.a.	506,269	n.a.
1999 ^{r1}	n.a.	2,480,739	1,914,343	n.a.	566,396	n.a.
2000 ^p	n.a.	2,695,332	2,089,444	n.a.	605,888	n.a.
Percent change at annual rates:						
1994-1999	n.a.	7.6	7.8	n.a.	7.0	n.a.
1999-2000	n.a.	8.7	9.1	n.a.	7.0	n.a.
Number of employees						
Thousands:						
1982	25,344.8	23,727.0	18,704.6	6,640.2	5,022.4	1,617.8
1983	24,782.6	23,253.1	18,399.5	6,383.1	4,853.6	1,529.5
1984	24,548.4	22,972.6	18,130.9	6,417.5	4,841.7	1,575.8
1985	24,531.9	22,923.0	18,112.6	6,419.3	4,810.4	1,608.9
1986	24,082.0	22,543.1	17,831.8	6,250.2	4,711.3	1,538.9
1987	24,255.4	22,650.0	17,985.8	6,269.6	4,664.2	1,605.4
1988	24,141.1	22,498.1	17,737.6	6,403.5	4,760.5	1,643.0
1989	25,387.5	23,879.4	18,765.4	6,622.1	5,114.0	1,508.1
1990	25,263.6	23,785.7	18,429.7	6,833.9	5,356.0	1,477.9
1991	24,837.1	23,345.4	17,958.9	6,878.2	5,386.5	1,491.7
1992	24,189.7	22,812.0	17,529.6	6,660.1	5,282.4	1,377.7
1993	24,221.5	22,760.2	17,536.9	6,684.6	5,223.3	1,461.3
1994	25,670.0	24,272.5	18,565.4	7,104.6	5,707.1	1,397.5
1995	25,921.1	24,499.7	18,576.2	7,344.9	5,923.5	1,421.4
1996	26,334.0	24,867.0	18,790.0	7,544.0	6,077.0	1,467.0
1997	27,851.0	26,358.0	19,878.0	7,973.0	6,480.0	1,493.0
1998	28,003.6	26,592.9	19,819.8	8,183.8	6,773.1	1,410.7
1999 ^{r1}	32,227.0	30,772.6	23,006.8	9,220.2	7,765.8	1,454.4
2000 ^p	32,773.8	31,231.6	23,166.9	9,606.9	8,064.7	1,542.2
Percent change at annual rates:						
1994-1999	4.7	4.9	4.4	5.4	6.4	0.8
1999-2000	1.7	1.5	0.7	4.2	3.8	6.0
Capital expenditures						
Millions of dollars:						
1982	248,262	233,078	188,266	59,996	44,812	15,184
1983	n.a.	197,534	160,656	n.a.	36,878	n.a.
1984	n.a.	203,791	168,692	n.a.	35,099	n.a.
1985	n.a.	221,509	185,027	n.a.	36,482	n.a.
1986	n.a.	203,809	169,131	n.a.	34,678	n.a.
1987	n.a.	199,171	162,139	n.a.	37,032	n.a.
1988	n.a.	223,814	177,203	n.a.	46,611	n.a.
1989	276,790	260,488	201,808	74,982	58,680	16,302
1990	n.a.	274,614	213,079	n.a.	61,535	n.a.
1991	n.a.	269,221	206,290	n.a.	62,931	n.a.
1992	n.a.	272,049	208,834	n.a.	63,215	n.a.
1993	n.a.	271,661	207,437	n.a.	64,224	n.a.
1994	328,240	303,364	231,917	96,323	71,447	24,876
1995	n.a.	323,616	248,017	n.a.	75,599	n.a.
1996	n.a.	340,510	260,048	n.a.	80,462	n.a.
1997	n.a.	398,037	309,247	n.a.	88,790	n.a.
1998	n.a.	411,155	317,184	n.a.	93,971	n.a.
1999 ^{r1}	514,038	483,032	369,728	144,310	113,304	31,006
2000 ^p	n.a.	519,557	405,966	n.a.	113,591	n.a.
Percent change at annual rates:						
1994-1999	9.4	9.7	9.8	8.4	9.7	4.5
1999-2000	n.a.	7.6	9.8	n.a.	0.3	n.a.

^p Preliminary.

^r Revised.

1. Beginning with 1999, very small affiliates, and parents of very small affiliates, are included in the estimates. (See the technical note for details.)

MNC Multinational company.

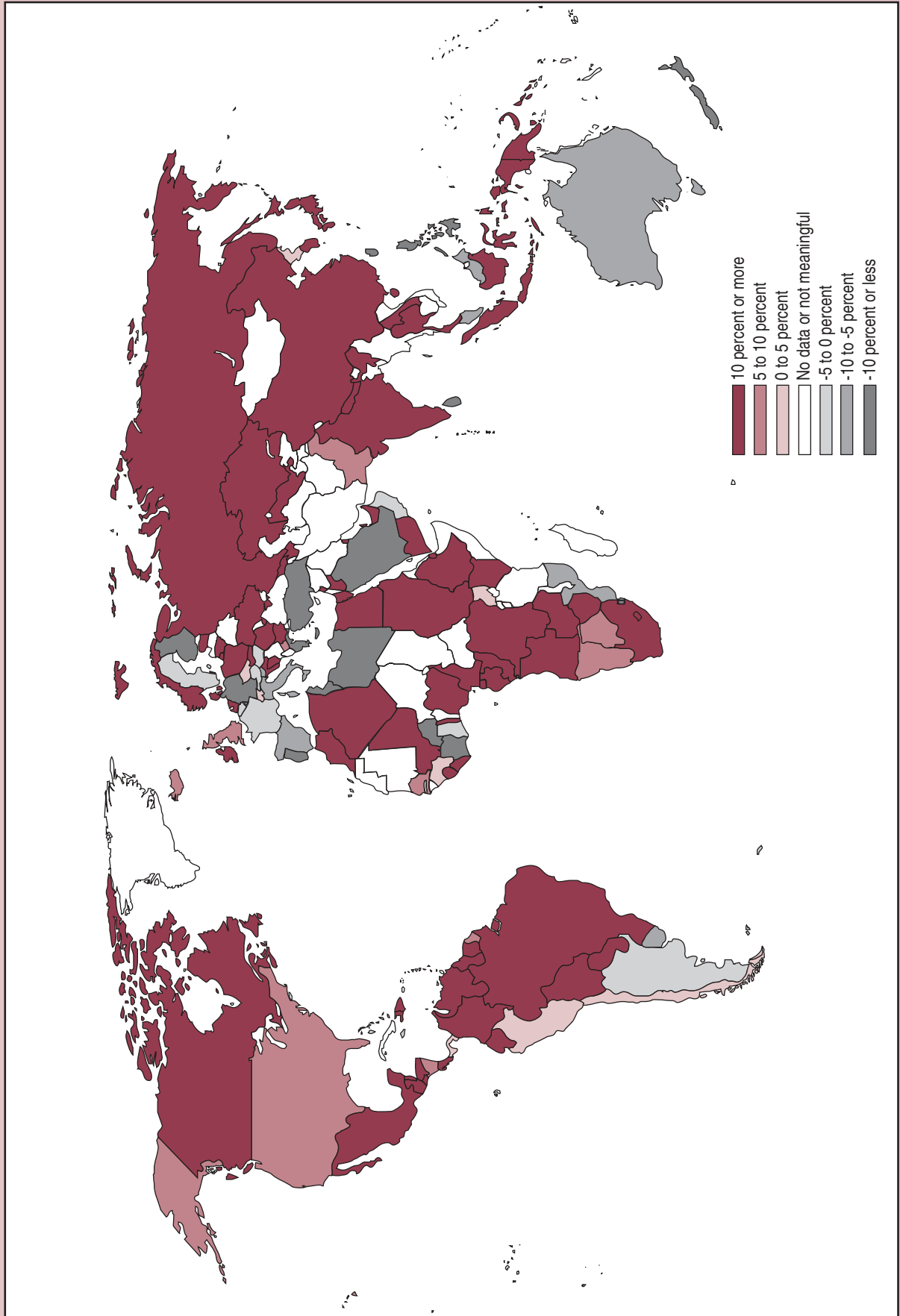
MOFA Majority-owned foreign affiliate.

n.a. Not available.

3. The financial and operating data for MNC's and the data on the U.S. direct investment position abroad focus on different aspects of MNC operations. (See the box "Data on U.S. Direct Investment Abroad.") The most recent year covered by the financial and operating data (2000) differs from that for the direct investment position data (2001) because the data are collected on separate BEA surveys with different filing deadlines. The latest developments in the direct investment position abroad were discussed in Maria Borga and Daniel R. Yorgason, "Direct Investment Positions for 2001: Country and Industry Detail," SURVEY 82 (July 2002): 21-31.

CHART 1

Percent Change in Nonbank U.S.-MNC Gross Product, by Country, 2000



U.S.-parent share of U.S. GDP was 21.3 percent, up from 20.6 percent in 1999 and 18.6 percent in 1994. The MOFA share of foreign-country GDP was 2.8 percent, up from 2.6 percent in 1999 and 2.2 percent in 1994.

- The real gross product of both parents and MOFA's increased strongly. For MOFA's in manufacturing, real gross product increased 6.6 percent. For MOFA's in all other industries combined and for

U.S. parents, available data suggests that, after accounting for price changes and exchange-rate changes (in the case of MOFA's), real gross product also increased strongly.

- U.S. MNC's continued to account for a large share of U.S. trade in goods. U.S. exports of goods that involved U.S. parents or their foreign affiliates were \$438.8 billion, or 56 percent of total U.S. exports of goods. U.S. imports of goods that were associated

Key Terms

The following key terms are used to describe U.S. multinational companies (MNC's) and their operations. For a comprehensive discussion of the terms and the concepts used, see Raymond J. Mataloni, Jr., "A Guide to BEA Statistics on U.S. Multinational Companies," *SURVEY OF CURRENT BUSINESS* 75 (March 1995): 38-55.

U.S. MNC's

U.S. multinational company (MNC). The U.S. parent and its foreign affiliates. (In this article, a MNC is usually defined as the U.S. parent and its majority-owned foreign affiliates.)

U.S. parent. A person, resident in the United States, who owns or controls 10 percent or more of the voting securities, or the equivalent, of a foreign business enterprise. "Person" is broadly defined to include any individual, branch, partnership, associated group, association, estate, trust, corporation, or other organization (whether organized or not under the laws of any State), or any government entity. If incorporated, the U.S. parent is the fully consolidated U.S. enterprise consisting of (1) the U.S. corporation whose voting securities are not owned more than 50 percent by another U.S. corporation and (2) proceeding down each ownership chain from that U.S. corporation, any U.S. corporation whose voting securities are more than 50 percent owned by the U.S. corporation above it. A U.S. parent comprises the domestic operations of a U.S. MNC, covering operations in the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and all other U.S. areas.

U.S. direct investment abroad (USDIA). The ownership or control, directly or indirectly, by one U.S. person of 10 percent or more of the voting securities of an incorporated foreign business enterprise or the equivalent interest in an unincorporated business enterprise.

Foreign affiliate. A foreign business enterprise in which there is U.S. direct investment, that is, in which a U.S. person owns or controls (directly or indirectly) 10 percent or more of the voting securities or the equivalent. Foreign affiliates comprise the foreign operations of a U.S. MNC over which the parent is presumed to have a degree of managerial influence.

Majority-owned foreign affiliate (MOFA). A foreign affiliate in which the combined ownership of all U.S. parents exceeds 50 percent. In 1999, MOFA's accounted for 84 percent of the employment of all foreign affiliates of U.S. MNC's, up from 77 percent in 1989.

Measures of operations

Gross product. The portion of the goods and services sold or added to inventory or fixed investment by a firm that reflects the production of the firm itself. Gross product, often referred to as "value added," can be measured as gross output (sales or receipts and other operating income plus inventory change and work in progress) minus intermediate inputs (purchased goods and services). Alternatively, it can be measured as the sum of the costs incurred (except for intermediate inputs) and the profits earned in production. The gross product estimates presented here were prepared by summing cost and profit data collected in the annual and benchmark surveys of USDIA. For the derivation of the current-dollar estimates of gross product, see Raymond J. Mataloni, Jr., and Lee Goldberg, "Gross Product of U.S. Multinational Companies, 1977-91," *SURVEY* 74 (February 1994): 57.

Capital expenditures. Expenditures made to acquire, add to, or improve property, plant, and equipment (PP&E). PP&E includes land, timber, mineral and like-rights owned; structures, machinery, equipment, special tools, and other depreciable property; construction in progress; and tangible and intangible exploration and development costs. Changes in PP&E due to changes in entity—such as mergers, acquisitions, and divestitures—or to changes in accounting methods are excluded. Capital expenditures are measured on a gross basis; sales and other dispositions of fixed assets are not netted against them.

Employment. The number of full-time and part-time employees on the payroll at yearend. If the employment of a parent or an affiliate was unusually high or low because of temporary factors (such as a strike) or large seasonal variations, the number that reflected normal operations or an average for the year was requested.

with U.S.-MNC's were \$425.9 billion, or 35 percent of total U.S. imports of goods.

- Newly acquired or established MOFA's continued to be concentrated in large and prosperous markets, such as the European Union, and the sales by these affiliates continued to be directed primarily toward the local market. This tendency suggests that access to markets in which to sell goods and services continues to be a more significant factor for most direct investors than access to low-cost labor and other productive resources.

The remainder of this article has three parts. The first part analyzes the worldwide operations of U.S. MNC's, the second part analyzes their U.S. operations, and the third part analyzes their foreign operations. A technical note describes improvements to the coverage of the U.S.-MNC universe and to the estimates of the real gross product of MOFA's in manufacturing.

Worldwide Operations of U.S. MNC's

This section examines the changes in U.S.-MNC gross product and compares the changes in the gross product of U.S. parents and foreign affiliates. It also examines U.S. trade in goods associated with U.S. MNC's.

Changes in gross product

Current-dollar gross product of U.S. MNC's grew 8.7 percent in 2000, to \$2,695 billion. The U.S.-parent component of U.S.-MNC gross product increased 9.1 percent, and the MOFA component increased 7.0 percent. Available evidence suggests that, after accounting for price and exchange-rate changes, the real gross product of both parents and MOFA's increased significantly. For U.S. parents, the 9.1-percent increase in current-dollar gross product substantially exceeded the 2.4-percent rate of U.S. price inflation (as measured by the GDP implicit price deflator for all private U.S. businesses). For MOFA's, the 7.0-percent increase in current-dollar gross product and a 2.7-percent average inflation rate in host countries suggests an inflation-adjusted increase of more than 4 percent. Moreover, because the exchange value of the U.S. dollar increased about 7 percent, it is likely that the real gross product of MOFA's increased substantially more than that amount.⁴ A more formal calculation of the changes in real gross product of MOFA's in manufacturing is con-

sistent with this assessment. (See the section "Real gross product of MOFA's in manufacturing.")

U.S.-MNC-associated trade in goods

U.S. multinational companies account for a large share of U.S. international trade in goods. In 2000, U.S. trade in goods that involved U.S. parents or their foreign affiliates—MNC-associated trade—accounted for 56 percent of U.S. exports of goods and for 35 percent of U.S. imports of goods (table 2).

Although the U.S.-MNC shares of U.S. exports and imports of goods remained large in 2000, they have fallen significantly in recent years. In 1994, the MNC share of U.S. exports of goods was 11 percentage points higher (67 percent) than in 2000, and the MNC share of U.S. imports of goods was 4 percentage points higher (39 percent). The fall in the MNC share of total U.S. trade in goods may be related to the rise in the share of trade accounted for by small and medium-sized U.S. companies, which are less likely to have mul-

Table 2. U.S. Trade in Goods Associated with Nonbank U.S. MNC's, Selected Years
[Millions of dollars]

	1994	1999	2000
MNC-associated U.S. exports, total	344,504	435,192	438,798
Intra-MNC trade	136,128	162,503	175,639
Shipped by U.S. parents to their MOFA's	132,694	158,575	167,646
Shipped by U.S. parents to their other foreign affiliates ¹ ...	3,434	3,928	7,993
MNC trade with others	208,376	272,689	264,097
Shipped by U.S. parents to foreigners other than their own affiliates	185,050	238,693	235,792
Of which:			
Shipped by U.S. parents to their foreign parent groups ²	18,207	26,140	30,675
Shipped to foreign affiliates by U.S. persons other than their own parents	23,326	33,996	28,305
To MOFA's	20,774	31,973	28,305
To other foreign affiliates ³	2,552	2,023	n.a.
MNC-associated U.S. imports, total	256,820	388,480	425,920
Intra-MNC trade	113,415	164,449	179,971
Shipped by MOFA's to their U.S. parents	107,203	158,958	172,643
Shipped by other foreign affiliates to their U.S. parents ¹ ...	6,212	5,491	7,328
MNC trade with others	143,405	224,032	245,949
Shipped to U.S. parents by foreigners other than their own affiliates	122,638	193,969	210,620
Of which:			
Shipped to U.S. parents by their foreign parent groups ²	43,243	78,002	77,030
Shipped by foreign affiliates to U.S. persons other than their own parents	20,767	30,063	35,329
By MOFA's	15,161	23,288	28,731
By other foreign affiliates ³	5,606	6,775	6,598
Addenda:			
All U.S. exports of goods	512,626	695,797	781,918
U.S.-MNC-associated U.S. exports as a percentage of total ...	67	63	56
Intra-U.S.-MNC exports as a percentage of total	26	23	21
All U.S. imports of goods	663,256	1,024,618	1,218,022
U.S.-MNC-associated U.S. imports as a percentage of total ...	39	38	35
Intra-U.S.-MNC imports as a percentage of total	17	16	15

1. In nonbenchmark survey years (such as 2000), this number is calculated as total exports (imports) between U.S. parents and all of their foreign affiliates (as reported by U.S. parents) less exports (imports) between U.S. parents and MOFA's (as reported by MOFA's).

2. For U.S. parents that are, in turn, owned 10 percent or more by a foreign person, the foreign parent group (FPG) consists of (1) the foreign parent of the U.S. parent, (2) any foreign person, proceeding up the foreign parent's ownership chain, that owns more than 50 percent of the person below it, and (3) any foreign person, proceeding down the ownership chain(s) of each of these members, that is owned more than 50 percent by the person above it. Trade between foreign-owned U.S. parents and their FPG's is not considered "intra-MNC" trade in this table because FPG's are excluded from BEA's definition of a U.S. MNC.

3. In nonbenchmark survey years, this number is calculated as total exports (imports) associated with "other" (that is, minority-owned) foreign affiliates (as reported by affiliates) less the estimate of exports (imports) between U.S. parents and "other" foreign affiliates calculated as described in footnote 1. However, these estimates are subject to some imprecision because of differences in the coverage of the data reported by U.S. parents and foreign affiliates. No estimate of exports shipped to other foreign affiliates by U.S. parents is available for 2000 because the differences were especially large in that year.

MNC Multinational company.
MOFA Majority-owned foreign affiliate.
n.a. Not available.

4. In 2000, the weighted average (in terms of MOFA gross product) U.S.-dollar price of the currencies of 7 major euro-area countries and 15 other major host countries fell 7.2 percent. (Collectively, these countries accounted for 83 percent of total MOFA gross product in 2000.)

The average rate of price inflation in these host countries was derived as a weighted average (in terms of MOFA gross product) using data on GDP implicit price deflators from the World Bank Group Web site.

tinational operations than are large U.S. companies.⁵

U.S.-MNC-associated U.S. trade in goods may be disaggregated into two broad categories: (1) Inter-MNC trade (trade between U.S. parents and their foreign affiliates), and (2) MNC trade with others (trade between U.S. parents and foreigners other than their foreign affiliates and trade between foreign affiliates and U.S. persons other than their U.S. parents).⁶

U.S.-MNC-associated exports of goods increased 0.8 percent in 2000, to \$438.8 billion. Intra-MNC U.S. exports increased 8.1 percent, and U.S. exports between U.S. MNC's and others decreased 3.2 percent. The increase in intra-MNC exports mainly reflected growing trade between U.S. parents and their East

Asian affiliates that are engaged in the manufacture of information technology products. Most of the exported goods were probably components for assembly because the increase was concentrated among affiliates in countries—such as Singapore, China, and the Philippines—where intermediate inputs have dominated intra-MNC trade in goods with manufacturing affiliates.⁷ The decrease in U.S. exports between U.S. MNC's and others partly resulted from a pronounced decline in exports by U.S. parents in transportation equipment manufacturing (primarily in aircraft manufacturing).

U.S.-MNC-associated imports of goods increased 9.6 percent in 2000, to \$425.9 billion. Intra-MNC U.S. imports increased 9.4 percent, and U.S. imports between U.S. MNC's and others increased 9.8 percent. The increase in intra-MNC imports was largest for U.S. MNC's in transportation equipment manufacturing and mainly reflected increased imports of cars and trucks from Mexican affiliates. The increase in U.S. imports between U.S. MNC's and others was largest for U.S. parents engaged in petroleum refining and mainly reflected the rise in the price and the volume of imported crude oil.

5. One study documenting the rising importance of small and medium-sized U.S. businesses in U.S. international trade is U.S. Department of Commerce, International Trade Administration, Office of Trade and Economic Analysis, "Small and Medium-Sized Enterprises Play an Important Role," *Export America* (Volume 2, Number 11: September 2001): 26-30.⁷

6. BEA's data on intrafirm trade are distinct from a similar data series on related-party trade from the Census Bureau. Unlike BEA's data on intrafirm trade, which are from its surveys of multinational company operations, the Census Bureau data are based on a checkoff question in customs declarations of exports and imports. For exports, the definition of "related party" in the customs documents is based on an ownership share of at least 10 percent, which is consistent with the definition of direct investment used in BEA's surveys; however, for imports, the customs definition is based on a 6-percent ownership share. In addition, the data on related-party trade, unlike BEA's data, do not distinguish the trade between U.S. and foreign units of U.S. multinational companies from the trade between U.S. and foreign units of foreign multinational companies.

7. Based on data from the 1999 benchmark survey of U.S. direct investment abroad, virtually all (99.2 percent) of U.S. exports of goods shipped by U.S. parents to their manufacturing affiliates in China, Singapore, and the Philippines were intermediate for further manufacture.

Data on U.S. Direct Investment Abroad

BEA collects two broad sets of data on U.S. direct investment abroad (USDIA): (1) Financial and operating data of U.S. multinational companies, and (2) international transactions and direct investment position data. This article presents the first set of data; the international transactions and direct investment position data are generally published in the July and September issues of the SURVEY OF CURRENT BUSINESS.

Financial and operating data. The financial and operating data provide a picture of the overall activities of foreign affiliates and U.S. parent companies using a variety of indicators of their financial structure and operations. The data on foreign affiliates cover the entire operations of the affiliate, irrespective of the percentage of U.S. ownership. These data cover items that are needed in analyzing the characteristics, performance, and economic impact of multinational companies, such as sales, gross product (value added), employment and compensation of employees, capital expenditures, exports and imports, and research and development expenditures. Separate tabulations are available for all affiliates and for affiliates that are majority-owned by their U.S. parent(s).

International transactions and direct investment position data. The international transactions data cover a foreign affiliate's transactions with its U.S. parent(s), so these data focus on the U.S. parent's share, or interest, in its affiliate rather than on the affiliate's size or level of operations. These data are essential to the compilation of the U.S. international transactions accounts (ITA's), the international investment position, and the national income and product accounts. The major data items include capital flows (recorded in the ITA's financial account), which measure the funds that U.S. parents provide to their foreign affiliates, and income (recorded in the ITA's current account), which measures the return on those funds. The data also cover royalties and license fees and other service charges that parents receive from or pay to their affiliates. All of these items measure flows in a particular time period, such as a quarter or a year.

Direct investment position data are stock data and are cumulative; they measure the total outstanding level of U.S. direct investment abroad at yearend. Estimates are provided both at historical cost and in terms of current-period prices. The historical-cost estimates are published by country and by industry.

U.S. Parents' Operations

This section examines the changes in U.S.-parent gross product by industry.⁸

Changes in gross product

The gross product of U.S. parents increased 9.1 percent in 2000, to \$2,089.4 billion (table 3). About three-fourths of the growth reflected increased output by ongoing operations, and about one-fourth reflected U.S. companies becoming multinational by establishing or acquiring their first foreign affiliate.

By industry, the increases were most pronounced in mining (53.3 percent), finance (except depository institutions) and insurance (27.1 percent), information (22.0 percent), and manufacturing (8.1 percent). The increase in mining was concentrated in oil and gas extraction and reflected strong growth in petroleum consumption and a commensurate sharp rise in crude oil prices. The increase in finance and insurance was centered among parents with investment banking activities and partly reflected the record level of merger and acquisition activity. The increase in information partly reflected strong demand for products in the software publishing and telecommunications industries. The increase in manufacturing was most pronounced in petroleum and coal products and in computers and electronic products.

8. A U.S. parent may be under the control of a foreign parent company. In 2000, U.S. parents that were in turn controlled by foreign parents accounted for 9 percent of the gross product of all U.S. parents.

Table 3. Gross Product of Nonbank U.S. Parents by Major Industry, 1999 and 2000

[Millions of dollars]

	1999	2000	Addenda:	
			Change	Percent change
All industries	1,914,343	2,089,444	175,101	9.1
Mining	18,688	28,641	9,953	53.3
Utilities	90,109	77,770	-12,339	-13.7
Manufacturing	931,180	1,006,582	75,402	8.1
Food	48,894	50,812	1,918	3.9
Beverages and tobacco products	47,316	45,282	-2,034	-4.3
Textiles, apparel, and leather products	17,887	16,779	-1,108	-6.2
Wood products	3,440	2,079	-1,361	-39.6
Paper	46,877	46,082	-795	-1.7
Printing and related support activities	10,964	12,024	1,060	9.7
Petroleum and coal products	82,817	119,923	37,106	44.8
Chemicals	133,977	142,667	8,690	6.5
Plastics and rubber products	23,334	23,194	-140	-0.6
Nonmetallic mineral products	13,905	13,982	77	0.6
Primary and fabricated metals	46,283	43,569	-2,714	-5.9
Machinery	51,042	60,796	9,754	19.1
Computers and electronic products	106,122	149,824	43,702	41.2
Electrical equipment, appliances, and components	31,528	32,168	640	2.0
Transportation equipment	236,705	221,432	-15,273	-6.5
Other	30,089	25,966	-4,123	-13.7
Wholesale trade	80,610	76,136	-4,474	-5.6
Information	248,859	303,615	54,756	22.0
Finance (except depository institutions) and insurance	108,961	138,478	29,517	27.1
Professional, scientific, and technical services	96,069	102,988	6,919	7.2
Other industries	339,867	355,235	15,368	4.5

The gross product of U.S. parents decreased substantially in utilities and in transportation equipment manufacturing. The decrease in utilities partly reflected the fact that a few large parent companies sold or disposed of the few small foreign affiliates they held and, thus, these companies were no longer included in the parent-company universe. The decrease in transportation equipment partly reflected slow growth in revenues and an associated weakness in operating profits.

Operations of Majority-Owned Foreign Affiliates

This section examines selected aspects of the operations of majority-owned foreign affiliates (MOFA's) of U.S. MNC's: The 1999-2000 changes in gross product, the country and industry distributions of newly acquired or established MOFA's, the MOFA shares of host country GDP, and the 1999-2000 changes in the real gross product of MOFA's in manufacturing.

Changes in gross product

The gross product of MOFA's increased 7.0 percent to \$605.9 billion in 2000 (table 4). As was the case for U.S. parents, roughly three-fourths of the growth was attributable to affiliates that existed in both 1999 and 2000, and about one-fourth was attributable to the entry of new affiliates to the MNC universe in 2000. Nearly half of the growth in MOFA gross product occurred in petroleum-related industries.

Table 4. Gross Product of Nonbank Majority-Owned Foreign Affiliates, by Major Area and Industry of Affiliate, 1999 and 2000

[Millions of dollars]

	1999	2000	Addenda:	
			Change	Percent change
All areas, all industries	566,396	605,888	39,492	7.0
By major area				
Canada	65,780	72,398	6,618	10.1
Europe	324,634	333,375	8,741	2.7
Latin America and Other Western Hemisphere	60,641	70,401	9,760	16.1
Africa	8,917	13,877	4,960	55.6
Middle East	5,348	6,910	1,562	29.2
Asia and Pacific	101,077	108,927	7,850	7.8
By major industry				
Mining	38,552	60,060	21,508	55.8
Utilities	10,466	10,839	373	3.6
Manufacturing	316,300	317,339	1,039	0.3
Of which:				
Food	18,750	19,139	389	2.1
Chemicals	58,894	58,200	-694	-1.2
Primary and fabricated metals	12,086	13,249	1,163	9.6
Machinery	18,581	18,035	-546	-2.9
Computers and electronic products	37,616	41,886	4,270	11.4
Electrical equipment, appliances, and components	7,344	7,350	6	0.1
Transportation equipment	49,019	48,851	-168	-0.3
Wholesale trade	76,774	87,025	10,251	13.4
Information	20,667	22,364	1,697	8.2
Finance (except depository institutions) and insurance	25,292	23,307	-1,985	-7.8
Professional, scientific, and technical services	31,117	33,050	1,933	6.2
Other industries	47,228	51,904	4,676	9.9

Increases were widespread by region but, in percentage terms, were most pronounced in Africa and the Middle East, mainly reflecting the rise in world petroleum prices and consumption. Increases in other regions generally reflected continued strong economic growth in host countries.

In Africa, MOFA gross product increased 55.6 percent, and, in the Middle East, it increased 29.2 percent.⁹ In Africa, the increase was highly concentrated among MOFA's in the petroleum extraction industry in a few countries, particularly Nigeria and Angola. In the Middle East, growth was most rapid in mining and manufacturing and was primarily accounted for by affiliates engaged in petroleum-related activities. It also reflected the expansion of the activity of Israeli affiliates engaged in the design and manufacture of advanced consumer electronics.

In Latin America and Other Western Hemisphere, MOFA gross product increased 16.1 percent. Although growth was widespread in the region, affiliates in Brazil and Mexico together accounted for more than half of the overall increase. The increases in both countries were widespread by industry and reflected strong growth in their economies. In Mexico, growth in MOFA gross product also reflected a 33-percent increase in the volume of cars and trucks exported to the United States.

In Canada, MOFA gross product increased 10.1 percent, mainly reflecting increases in petroleum extraction and refining. In Asia and Pacific, it increased 7.8 percent, mainly reflecting accelerated growth in host-country economies, especially in China and Japan.

In Europe, MOFA gross product increased 2.7 percent. Changes by country were mixed: The fastest growth was in the United Kingdom, Norway, and the Netherlands, and the sharpest decreases were in Germany, Italy, and France. The increases in the United Kingdom and Norway mainly reflected rising oil prices and growth in petroleum extraction activities in the North Sea. The gross product of British affiliates in finance also increased rapidly, partly reflecting a rise in demand for investment banking services related to a rise in European merger and acquisition activity. The increase in the Netherlands partly reflected rising sales by affiliates in wholesale trade. The decreases in Germany, France, and Italy were centered in manufacturing. The decreases in Germany and France partly reflected declines (11 percent and 1 percent, respectively) in unit auto sales in the local markets. The decrease in Italy partly reflected plant closings in

machinery manufacturing.

By major industry, the increases in gross product were largest in mining, wholesale trade, and "other industries"—mainly retail trade. The increases in mining and wholesale trade were centered in crude oil extraction and in petroleum marketing and reflected the rise in world petroleum prices and consumption. The increase in MOFA gross product in retail trade mainly reflected the growing popularity of American-style, large-scale discount retail stores.

Newly acquired or established MOFA's. In 2000, U.S. parent companies acquired or established 915 MOFA's with combined gross product of \$11.1 billion and combined employment of 340,000 (table 5). As in other years for which data are available (1990–99), Europe was the primary location for new affiliates. New European affiliates accounted for 56 percent of all new affiliates and for 61 percent of their gross product. Europe continued to be a favored location for new investments for many reasons, including the following: The large market size of the European Union tends to attract large investments that would be less efficient (or even uneconomic) on a smaller scale; the high per capita income of many European countries attracts investments to produce goods and services for which markets are as yet undeveloped in less affluent coun-

Table 5. Newly Acquired or Established Nonbank Majority-Owned Foreign Affiliates, by Major Area and Industry of Affiliate, 2000

	Number of newly acquired or established affiliates			Gross product (millions of dollars)	Number of employees (thousands)
	Total	Acquired	Established		
All areas, all industries	915	442	473	11,120	340.4
By major area					
Canada	84	32	52	1,864	32.1
Europe	512	233	279	6,803	237.2
Latin America and Other Western Hemisphere	143	81	62	1,828	31.4
Africa	15	11	4	-125	1.3
Middle East	12	6	6	126	2.6
Asia and Pacific	149	79	70	624	35.8
By major industry					
Mining	30	15	15	387	2.1
Utilities	12	5	7	166	2.5
Manufacturing	314	103	211	4,532	131.2
Of which:				(D)	(D)
Food	4	1	3	569	8.2
Chemicals	56	30	26	1,286	36.6
Primary and fabricated metals	51	11	40	337	9.8
Machinery	27	9	18	267	21.8
Computer and electronic products	47	6	41	206	6.4
Electrical equipment, appliances, and components	19	1	18	452	18.5
Transportation equipment	40	18	22	1,386	15.2
Wholesale trade	147	78	69	-189	9.8
Information	48	26	22	10	8.0
Finance (except depository institutions) and insurance	100	62	38	443	8.6
Professional, scientific, and technical services	55	26	29	4,386	163.0
Other industries	209	127	82		

D Suppressed to avoid disclosure of data of individual companies.

Notes. The data in this table cover only newly acquired or established foreign affiliates. They exclude data for consolidated units of existing foreign affiliates that were acquired or established during the year. The numbers of newly acquired or established affiliates for 2000 are not strictly comparable with those for new affiliates in the earlier annual surveys covering 1995–98 because of differences in the criteria for reporting. Completing the 2000 annual survey was required if the total assets, sales, or net income of the foreign affiliate exceeded \$30 million, while the threshold for filing on the 1995–98 annual surveys was \$20 million.

9. In addition to the effects of rising petroleum prices and consumption, the rapid growth in these regions also reflected the relatively low level of MOFA gross product which, for a given dollar increase, leads to a relatively high percentage increase.

tries; and the familiarity and level of development of the commercial and legal institutions in many European host countries makes feasible investments that would be considered too risky in less familiar or less developed environments.

In Asia and Pacific, nearly half of the new investments occurred in three relatively affluent countries with well developed commercial and legal institutions—Australia, Japan, and Singapore. However, the number and size of new investments was also substantial in some less developed, but populous, countries in the region, such as China and India. In Latin America, nearly two-thirds of the new investments occurred in Mexico, Brazil, and Argentina.

In Canada, most of the largest new investments were in manufacturing and mining and appeared to have been attracted by Canada's abundant natural resources. Investments in energy-intensive manufacturing operations, such as aluminum smelting, have been attracted by Canada's ample supply of inexpensive hydroelectric power; investments in wood products and paper manufacturing, by its timber resources; and investments in petroleum extraction and refining, by its reserves of natural gas and crude oil.

Manufacturing continued to be the most popular industry for new investments in 2000. New manufacturing affiliates accounted for 34 percent of all new affiliates, for 41 percent of their gross product, and for 39 percent of their employment.

MOFA share of host country GDP

Among the major host countries shown in table 6, the share of host-country gross domestic product (GDP) accounted for by MOFA's in 2000 ranged from 17.8 percent in Ireland to 0.1 percent in Russia. Despite the wide range, most of the shares were clustered around the average (3.7 percent). The MOFA share was within two standard deviations (plus or minus 6.8 percentage points) of the average in all but three countries where the MOFA share was exceptionally high: Ireland, Nigeria, and Singapore.

The high MOFA share in Ireland partly reflected the large scale of affiliate production that is primarily directed at serving export markets—mainly the European Union—that are much larger than the host-country market. In addition, Ireland's language and cultural similarities with the United States, educated workforce, and relatively low wages and corporate income taxes were factors that spurred production by MOFA's.

The high MOFA share in Nigeria also reflected the large scale of affiliate production aimed at export markets—in this case, the production of crude oil for

world markets. Similarly, production by MOFA's in Singapore was directed at export markets, primarily markets for computer and electronic products. Some of the host-country features mentioned for Ireland were also factors that spurred production by MOFA's in Singapore.

Real gross product of MOFA's in manufacturing

In addition to the current-dollar estimates of MOFA gross product, BEA prepares estimates of the real gross product of MOFA's in manufacturing (excluding petroleum). These estimates provide more meaningful comparisons of MOFA gross product across countries and over time than do the current-dollar estimates. Comparisons across countries are enhanced because

Table 6. Gross Product of Majority-Owned Foreign Affiliates as a Percentage of GDP of Selected Host Countries, 1994, 1999, and 2000

	1994	1999	2000
Ireland	12.1	15.9	17.8
Nigeria	4.2	8.2	12.8
Singapore	8.1	11.7	11.6
Canada	8.8	10.4	10.5
United Kingdom	6.1	7.1	7.8
Netherlands	4.4	4.8	6.4
Norway	3.7	4.1	6.3
Honduras	8.3	4.7	6.0
Belgium	5.1	5.3	5.8
Hong Kong	3.7	5.1	5.1
Malaysia	5.1	6.0	4.9
Australia	4.6	4.8	4.8
Indonesia	2.6	3.7	4.2
Chile	3.3	4.0	3.9
Switzerland	2.7	3.5	3.9
Denmark	1.4	1.7	3.5
Mexico	2.3	3.7	3.5
Colombia	2.9	2.7	3.4
Costa Rica	6.1	2.8	3.3
Brazil	3.0	3.1	3.3
New Zealand	2.8	3.5	3.2
Philippines	2.8	3.6	3.2
Thailand	1.8	2.7	3.1
Germany	2.7	2.9	2.9
Ecuador	1.3	1.6	2.8
Venezuela	2.7	3.0	2.8
France	2.4	2.6	2.8
Sweden	1.3	2.6	2.7
Argentina	1.5	2.6	2.5
Hungary	1.7	2.5	2.5
Israel	1.3	1.6	2.5
Czech Republic	1.1	2.2	2.4
Peru	1.3	2.1	2.1
Portugal	2.5	2.2	1.9
Italy	1.8	1.9	1.9
Spain	1.7	1.8	1.8
South Africa	0.7	1.3	1.8
Austria	1.7	1.6	1.7
Finland	1.2	1.7	1.6
Egypt	1.4	1.2	1.4
Poland	0.4	0.7	1.1
Korea, Republic of	0.4	0.8	0.9
Greece	1.4	0.8	0.8
Turkey	0.8	1.0	0.8
Japan	0.5	0.7	0.7
China	0.1	0.4	0.5
India	0.1	0.2	0.4
Saudi Arabia	0.2	0.7	0.2
Russia	(*)	0.1	0.1

* Less than 0.05 percent.

NOTES: The countries are sorted in descending order of their 2000 values. Where two countries have the same 2000 value in the table, they were sorted using unrounded values. Gross domestic product data for host countries in 1999 and 2000 were obtained from the World Bank Group Web site. Data for 1994 were obtained from the International Monetary Fund, *International Financial Statistics*.

GDP: Gross domestic product

the estimates in real terms are based on purchasing-power-parity (PPP) exchange rates rather than on market exchange rates.¹⁰ Comparisons over time are enhanced because the estimates are in chained 1996 dollars, which are free from the biases associated with current-dollar measures and with traditional, fixed-weighted measures.¹¹ The estimates are restricted to manufacturing because the source data necessary for the adjustments are currently unavailable for other industries.

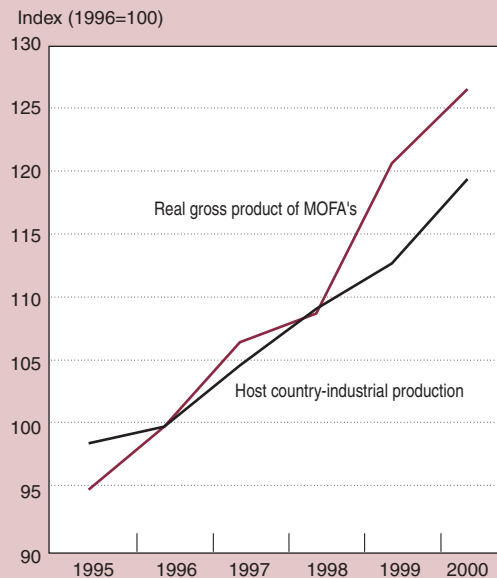
The real gross product of MOFA's in manufacturing grew 6.6 percent to \$298.2 billion in 2000 (table 7). Growth in the 24 member countries of the Organisation for Economic Co-operation and Development (OECD) shown in table 7 was 4.9 percent, compared with 13.2 percent in all other countries. The especially rapid growth in non-OECD countries was mainly accounted for by four countries—Brazil, China, Mexico, and Singapore—and partly reflected strong local eco-

10. To translate gross product estimates denominated in foreign currencies into U.S. dollars for international comparisons, PPP exchange rates should be used. PPP exchange rates approximate the number of foreign currency units required in a foreign country to buy goods and services (whether or not they are traded internationally) that are equivalent to those that can be bought in the United States with 1 U.S. dollar. For details, see the appendix to Raymond J. Mataloni, Jr., "Real Gross Product of U.S. Companies' Majority-Owned Foreign Affiliates in Manufacturing," SURVEY 77 (April 1997): 16–17.

11. For a summary of the methodology used to derive the real gross product estimates, see Mataloni, "Real Gross Product," 12–17. Footnote 14 to the article specifies the Fisher quantity index used in the methodology. (See the technical notes to this article for improvements to the methodology.)

CHART 2

Real Gross Product of Majority-Owned Foreign Affiliates in Manufacturing, and Industrial Production, in 24 Selected OECD Countries, 1995–2000



OECD Organisation for Economic Co-Operation and Development

Note.—The 24 selected OECD countries covered in this chart are Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

The composite index of industrial production was derived by weighting each country's index by the country's share in the cumulative dollar value of real gross product of majority-owned foreign affiliates in manufacturing in 1982–2000.

U.S. Bureau of Economic Analysis

Table 7. Real Gross Product of Majority-Owned Foreign Affiliates in Manufacturing, by Country, Selected Years

[Billions of chained (1996) dollars]

	1994	1995	1996	1997	1998	1999	2000	Addenda:	
								1999–2000 percent change	1994–2000 percent change
All countries	206.0	222.6	237.6	258.5	256.5	279.9	298.2	6.6	6.3
24 selected OECD countries	164.4	174.0	183.2	195.5	199.7	221.4	232.3	4.9	6.1
Australia	6.3	6.2	6.7	7.6	8.0	9.1	10.3	13.3	7.7
Austria	1.2	1.0	1.3	1.3	1.6	1.9	2.0	10.1	10.0
Belgium	6.5	6.7	6.4	7.1	7.4	8.1	8.0	-0.5	4.4
Canada	32.9	33.2	31.7	34.2	33.7	43.3	45.4	5.0	5.6
Czech Republic	0.7	0.9	1.3	1.6	1.6	1.9	1.8	-5.5	20.5
Denmark	0.4	0.5	0.5	0.6	0.6	0.8	0.9	10.9	13.9
Finland	0.2	0.3	0.5	0.7	0.8	0.7	0.8	12.1	23.6
France	15.7	15.7	17.7	19.6	18.8	19.1	19.9	4.3	4.0
Germany	33.7	32.6	33.8	37.8	37.7	40.4	39.6	-2.1	3.7
Greece	0.4	0.4	0.4	0.5	0.5	0.5	0.5	4.5	5.7
Hungary	0.7	0.9	1.0	1.4	2.0	1.2	1.2	-7.4	12.1
Ireland	4.5	6.0	6.1	8.6	11.2	13.5	15.3	13.4	24.6
Italy	9.1	8.9	8.8	10.0	9.1	10.7	11.1	3.6	3.2
Japan	6.6	7.3	9.4	6.9	7.0	8.1	8.1	-1.0	4.4
Luxembourg	0.5	0.5	0.5	0.5	0.5	0.6	0.2	-67.5	2.3
Netherlands	7.1	7.6	7.8	9.4	9.3	9.8	11.9	21.2	6.7
New Zealand	0.4	0.4	1.5	2.0	1.4	1.1	0.8	-21.2	20.9
Norway	0.3	0.2	0.3	0.4	0.3	0.5	0.4	-4.2	9.4
Poland	0.3	0.6	0.8	1.0	1.0	1.6	2.5	57.8	37.7
Portugal	0.6	0.7	0.7	0.8	0.9	1.0	1.0	-2.9	11.6
Spain	6.0	6.0	5.8	7.3	8.4	8.9	8.8	-1.3	8.2
Sweden	0.7	2.1	1.7	1.8	1.8	2.5	2.9	14.5	27.9
Switzerland	1.8	1.9	2.4	2.6	2.2	2.8	3.9	38.0	8.8
United Kingdom	27.4	33.5	35.9	31.2	33.4	33.2	34.6	4.3	3.9
Residual	0.2	-0.1	0.0	0.8	0.5	0.1	0.3	.....	.....
All other countries	41.6	48.7	54.5	63.1	56.8	58.3	65.9	13.2	6.9
Residual	0.1	-0.1	0.0	0.7	0.5	0.3	0.3	.....	.....

NOTE. Chained (1996) dollar series were derived by extrapolating the base-year (1996) current-dollar value of the corresponding series by a Fisher quantity index. Because the formula for the Fisher quantity index uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the total line and the sum of the most detailed lines. The current-dollar

series were derived using purchasing power parity exchange rates. For details on the methodology used to derive the chained dollar estimate, see "Real Gross Product of U.S. Companies' Majority-Owned Foreign Affiliates in Manufacturing," SURVEY OF CURRENT BUSINESS 77 (April 1997): 8–17.

OECD stands for the Organisation for Economic Co-Operation and Development

nomic growth.¹²

The 4.9-percent growth in MOFA gross product in the 24 selected OECD countries mirrored the growth in total host-country output; in 2000, industrial production in these countries grew 5.9 percent, compared with 3.4 percent in 1995-99 (chart 2). Within these countries, growth in MOFA gross product was most rapid in Poland, Switzerland, the Netherlands, Sweden, Ireland, and Australia. In Poland, the growth largely reflected the establishment of new affiliates and the rapid expansion of recently established affiliates. In Switzerland, the growth was mainly accounted for by expanded production of nondurable goods for sale to customers in other countries. In Ireland, the increase was centered in chemicals, primarily pharmaceuticals. In Australia, the increase was centered among affiliates engaged in the manufacture of metals.

Technical Note

This note discusses the two principal data improvements introduced in this article: Improvements to the coverage of the U.S.-MNC universe, and improvements to the estimates of the real gross product of MOFA's in manufacturing.

Improvements to the coverage of the U.S.-MNC universe. Beginning with the revised 1999 benchmark estimates and the preliminary 2000 annual estimates presented in this article, BEA has expanded its estimates of the operations of U.S. MNC's in order to provide fuller coverage of the MNC universe. In the past, BEA excluded estimates for "very small" foreign affiliates and for parents that had only "very small" foreign affiliates.¹³ Estimates for very small foreign affiliates were excluded because only very limited information was reported for them, and their inclusion would not have had a material impact on the aggregate direct investment estimates, in terms of value. Estimates for parents of only very small affiliates were excluded to maintain consistency between the parent and affiliate estimates. Estimates for these formerly excluded parents and affiliates are now included in the MNC operations data in order to eliminate the small downward bias attributable to these exclusions.

For very small affiliates, a few data items were required to be reported on a supplement to the 1999 benchmark survey forms. In the revised benchmark es-

timates for 1999 presented here, these data items were included in the published totals and were also used as the basis to estimate other items covered by the survey. In the 2000 annual estimates, the 1999 data were extrapolated based on the movement in the data for somewhat larger affiliates.

The impact of the inclusion of the new estimates for very small affiliates on the published aggregate estimates is less significant for foreign affiliates than it is for U.S. parents. Overall, the values for very small affiliates are generally negligible, although they may be significant for a few data items or for a few individual host countries (particularly those that are less developed). For example, in 1999, very small MOFA's accounted for 0.5 percent of the assets, 1.0 percent of the gross product, 3.2 percent of the employment, and less than 0.1 percent of the capital expenditures of all MOFA's. In India, the employment of very small affiliates accounted for a substantially larger share—9.8 percent—of the employment of all MOFA's in 1999.

The values for parents of only very small affiliates, however, are more significant. Parents of only very small affiliates accounted for 1.6 percent of the assets, 3.8 percent of the gross product, 6.1 percent of the employment, and 2.7 percent of the capital expenditures of all nonbank U.S. parent companies in 1999. Thus, the addition of data for parents of only very small affiliates does affect the comparability of the 1999 and 2000 data with data for earlier years for some data items for U.S. parents and for U.S. MNC's overall.¹⁴

Improvement of the real gross product estimates. This article introduces two improvements to the estimates of the real gross product of MOFA's in manufacturing: The number of countries for which separate estimates are available has been expanded from 19 to 24, and the number of separate categories used in price deflation has been expanded from 6 to 21. These improvements were made possible by an expansion in the coverage of data on purchasing-power-parity exchange rates and producer prices published by the Organisation for Economic Co-operation and Development (OECD).¹⁵ The expansion in the number of countries for which separate estimates are available provides additional cross-sectional detail, and it improves the ac-

12. In 2000, real GDP in Brazil increased 4.5 percent; in China, 6.6 percent; in Mexico, 7.9 percent; and in Singapore, 9.9 percent. (These data were obtained from the World Bank Web site at <www.worldbank.org>.) By comparison, the average growth in the OECD countries excluding the United States was 3.6 percent. (These data were obtained from the OECD Web site at <www.oecd.org>.)

13. In the 1999 and 2000 estimates presented in this article, a "very small" affiliate is one whose assets, sales, and net income (positive or negative) were each not greater than \$7 million.

14. Two other changes that begin with the 1999 data and that affect the comparability of the 1999 and 2000 data with those for earlier years are the change to an industry classification system based on the North American Industry Classification System, and the improvements in coverage of the U.S.-MNC universe that resulted from the 1999 benchmark survey. For details, see the appendix to Raymond J. Mataloni, Jr., and Daniel R. Yorgason, "Operations of U.S. Multinational Companies: Preliminary Results from the 1999 Benchmark Survey," SURVEY 82 (March 2002): 24-54.

15. The data on purchasing-power-parity exchange rates were published in OECD, *Purchasing Power Parities and Real Expenditures, 1996 Results* (Paris, OECD 1999). The data on producer price indexes appear on the OECD CD-ROM *Indicators of Industry and Services*, Volume 2001/4 (Paris, OECD 2002).

curacy of the estimates for all countries combined because the methodology for these countries is conceptually superior. The expansion in the number of separate categories for which price data are used in de-

flation helps ensure that changes in the deflator used reflects changes in output prices in the primary industries of individual MOFA's.

Data Availability

This article presents a summary of the preliminary estimates of the worldwide operations of U.S. multinational companies (MNC's) from the 2000 Annual Survey of U.S. Direct Investment Abroad and the final estimates from the 1999 Benchmark Survey of U.S. Direct Investment Abroad. More detailed estimates from the 2000 annual survey and the 1999 benchmark survey will be posted on the BEA Web site early next year.

Final estimates of U.S. MNC operations in 1977 and in 1982-98 and preliminary 1999 estimates are available in publications and in files that can be downloaded at no charge from BEA's Web site <www.bea.gov>.

For more information on these products and how to obtain them, see the International Investment Division Product Guide on BEA's Web site under "International."

Tables 8.1-12.2 follow.

Table 8.1. Selected Data for Nonbank U.S. Parents, by Industry of U.S. Parent, 1999

	Millions of dollars										Thousands of employees
	Total assets	Sales				Net income	Capital expenditures	Research and development expenditures	Gross product	Compensation of employees	
		Total	Goods	Services	Investment income ¹						
All industries	11,688,359	5,975,478	3,842,387	1,854,339	278,752	394,515	369,728	126,291	1,914,343	1,103,919	23,006.8
Mining	119,242	39,679	33,412	(D)	(D)	955	9,635	212	18,688	8,178	111.5
Oil and gas extraction	65,644	20,256	19,866	390	0	1,121	5,941	53	8,645	1,812	19.6
Other	53,598	19,423	13,546	(D)	(D)	-166	3,693	159	10,043	6,366	91.9
Utilities	518,914	237,403	(D)	(D)	(D)	14,132	25,589	81	90,109	27,571	367.8
Manufacturing	3,643,103	2,731,101	2,553,720	138,934	38,447	193,704	154,540	104,842	931,180	523,190	9,020.9
Food	146,108	178,353	176,778	1,575	0	12,136	6,182	934	48,894	25,691	629.3
Beverages and tobacco products	143,451	106,055	(D)	(D)	0	14,368	4,702	501	47,316	14,566	255.1
Textiles, apparel, and leather products	40,383	44,564	44,443	(D)	(D)	643	2,271	275	17,887	13,050	371.3
Wood products	7,389	8,824	(D)	(D)	(*)	531	362	31	3,440	2,084	45.3
Paper	154,456	120,251	119,743	(D)	(D)	7,602	6,473	1,478	46,877	24,996	430.9
Printing and related support activities	18,636	23,317	21,224	2,089	4	1,460	1,162	129	10,964	7,219	150.8
Petroleum and coal products	357,979	239,963	223,030	15,936	996	17,935	20,277	990	82,817	20,671	281.9
Chemicals	556,180	351,565	347,088	4,399	77	44,871	22,429	28,198	133,977	71,730	984.1
Basic chemicals	95,321	56,974	56,705	268	(*)	2,492	4,586	1,627	18,954	10,423	145.9
Resins and synthetic rubber, fibers and filaments	81,300	45,681	45,603	78	0	9,519	3,065	2,784	19,121	10,625	126.8
Pharmaceuticals and medicines	230,266	133,080	131,343	1,662	76	24,753	7,733	18,382	56,060	29,313	345.2
Soap, cleaning compounds, and toilet preparations	59,845	52,968	(D)	(D)	(*)	5,459	2,764	1,957	18,099	8,720	145.1
Other	89,447	62,862	(D)	(D)	1	2,648	4,281	3,449	21,743	12,648	221.1
Plastics and rubber products	65,822	59,144	(D)	(D)	0	2,811	3,251	1,031	23,334	14,834	307.5
Nonmetallic mineral products	54,611	34,150	33,995	154	2	2,574	2,737	371	13,905	7,072	151.6
Primary and fabricated metals	148,631	133,821	131,728	2,059	34	4,977	6,930	1,320	46,283	30,481	616.2
Primary metals	84,206	73,468	71,985	(D)	(D)	2,045	4,335	760	23,271	14,603	287.2
Fabricated metal products	64,425	60,353	59,743	(D)	(D)	2,932	2,595	560	23,012	15,879	329.1
Machinery	186,049	146,480	135,364	8,393	2,723	5,520	5,336	5,252	51,042	34,681	674.3
Agriculture, construction, and mining machinery	74,570	47,492	42,929	(D)	(D)	(*)	1,563	1,340	12,686	9,382	153.9
Industrial machinery	21,535	16,832	16,441	388	3	1,214	645	1,250	7,020	4,608	77.4
Other	89,944	82,157	75,993	(D)	(D)	4,306	3,129	2,662	31,336	20,690	443.0
Computers and electronic products	392,845	340,150	317,161	22,191	798	23,556	18,897	30,298	106,122	65,571	1,007.5
Computers and peripheral equipment	87,129	95,773	91,357	(D)	(D)	5,219	4,382	5,659	19,493	12,714	190.4
Communications equipment	125,938	102,158	93,325	8,833	0	6,038	5,878	13,276	34,583	23,147	330.8
Audio and video equipment	20,411	25,927	21,107	(D)	(D)	409	894	407	5,503	4,287	57.9
Semiconductors and other electronic components	135,303	96,922	93,177	3,573	173	11,611	6,727	8,997	39,053	19,581	330.0
Navigational, measuring, and other instruments	20,692	16,985	(D)	(D)	0	408	857	1,579	6,234	4,930	88.3
Magnetic and optical media	3,373	2,384	(D)	(D)	0	-130	159	381	1,256	912	10.2
Electrical equipment, appliances, and components	91,760	87,822	86,141	1,681	(*)	5,090	3,900	2,958	31,528	20,527	451.2
Transportation equipment	1,188,465	784,171	676,965	73,656	33,551	46,071	45,687	29,162	236,705	151,535	2,219.6
Motor vehicles, bodies and trailers, and parts	756,060	518,456	469,159	(D)	(D)	24,554	31,908	17,513	132,030	82,766	1,152.7
Other	432,405	265,716	207,806	(D)	(D)	21,517	13,778	11,649	104,675	68,769	1,067.0
Furniture and related products	13,465	18,768	(D)	(D)	0	1,207	652	90	7,464	4,792	136.4
Miscellaneous manufacturing	76,874	53,704	(D)	3,770	(D)	2,352	3,290	1,826	22,625	13,691	307.7
Wholesale trade	365,113	584,596	540,947	41,029	2,619	11,308	15,450	4,000	80,610	47,502	908.1
Professional and commercial equipment and supplies	77,227	115,948	106,282	9,250	415	4,929	2,260	2,635	22,179	13,313	232.7
Other durable goods	93,612	142,116	136,675	(D)	(D)	3,126	6,285	774	19,719	11,655	230.6
Petroleum and petroleum products	60,052	104,127	80,731	23,395	1	400	2,677	(D)	9,507	3,066	37.0
Other nondurable goods	134,221	222,405	217,260	(D)	(D)	2,853	4,228	(D)	29,205	19,469	407.8
Information	1,064,269	465,240	39,437	424,456	1,346	52,376	71,718	6,763	248,859	106,388	1,931.3
Publishing industries	121,774	74,889	(D)	57,116	(D)	14,292	2,869	4,050	39,849	20,710	325.9
Motion picture and sound recording industries	51,282	18,211	2,270	15,941	(*)	-170	1,711	(D)	7,738	6,422	162.4
Broadcasting and telecommunications	831,178	330,352	18,965	(D)	(D)	33,122	64,684	869	180,355	65,176	1,188.9
Broadcasting, cable networks, and program distribution	267,644	80,453	11,699	(D)	(D)	9,607	8,252	(D)	30,622	13,374	337.3
Telecommunications	563,534	249,899	7,266	242,632	2	23,516	56,432	(D)	149,734	51,801	851.5
Information services and data processing services	60,035	41,787	(D)	(D)	(D)	5,131	2,455	(D)	20,917	14,079	254.1
Finance (except depository institutions) and insurance	4,858,706	712,779	(D)	476,325	(D)	61,207	17,733	315	108,961	112,124	1,366.5
Finance, except depository institutions	1,975,659	238,124	(D)	117,032	(D)	31,627	7,232	240	51,656	59,376	489.5
Securities, commodity contracts, and other intermediation	1,657,432	196,791	(D)	90,426	(D)	24,204	4,477	(D)	49,097	51,252	370.9
Other finance, except depository institutions	318,227	41,333	(D)	26,606	(D)	7,423	2,755	(D)	2,559	8,123	118.7
Insurance carriers and related activities	2,883,046	474,655	(D)	359,293	(D)	29,580	10,501	75	57,306	52,748	877.0
Professional, scientific, and technical services	210,385	190,379	(D)	158,783	(D)	21,279	12,336	8,522	96,069	67,147	1,014.7
Architectural, engineering, and related services	13,937	22,419	3,411	19,006	3	76	615	49	6,868	6,364	111.6
Computer systems design and related services	123,250	88,811	(D)	61,992	(D)	11,071	8,965	7,453	42,168	28,285	393.7
Management, scientific, and technical consulting	11,208	21,142	(D)	(D)	(*)	660	366	(D)	9,790	8,678	105.2
Advertising and related services	24,647	13,502	(D)	(D)	0	921	511	(D)	8,313	6,562	90.7
Other	37,343	44,504	(D)	43,978	(D)	8,550	1,878	716	28,330	17,258	313.5
Other industries	908,628	1,014,302	624,297	386,641	3,365	39,554	62,727	1,556	339,867	211,820	8,286.0
Agriculture, forestry, fishing, and hunting	3,133	3,364	3,254	(D)	(D)	104	330	2	1,202	777	31.1
Construction	32,461	47,803	40,820	6,983	(*)	1,410	1,523	(D)	14,219	10,092	200.8
Retail trade	308,357	571,934	568,907	1,651	1,376	22,624	20,159	(D)	134,562	69,378	3,855.8
Transportation and warehousing	230,667	177,555	(D)	170,061	(D)	8,163	21,101	26	87,074	59,943	1,139.8
Real estate and rental and leasing	82,397	25,011	1,828	22,020	1,163	1,438	10,080	(D)	14,563	5,938	139.7
Real estate	40,369	7,547	(D)	6,678	(D)	776	2,527	0	5,162	2,193	31.5
Rental and leasing (except real estate)	42,027	17,464	(D)	15,342	(D)	662	7,552	(D)	9,402	3,746	108.3
Management of nonbank companies and enterprises	25,356	134	(D)	(D)	0	1,504	36	0	-598	110	1.4
Administration, support, and waste management	59,045	52,384	(D)	52,137	(D)	308	2,275	6	29,078	23,938	1,197.2
Health care and social assistance	42,961	61,484	699	60,785	0	361	1,422	(D)	21,471	16,713	440.4
Accommodation and food services	84,273	58,915	456	58,322	137	2,926	4,584	25	31,492	20,380	1,094.5
Accommodation	50,108	23,902	13	23,889	0	-67	2,723	0	13,424	7,744	371.8
Food services and drinking places	34,164	35,013	443	34,433	137	2,993	1,861	25	18,068	12,635	722.7
Miscellaneous services	39,978	15,718	(D)	14,474	(D)	715	1,215	15	6,805	4,551	185.2

* Less than \$500,000 (-/-)

D Suppressed to avoid disclosure of data of individual companies.

1. Some parents and majority-owned foreign affiliates (MOFAs), primarily those in finance and insurance, include investment income in sales or gross operating revenues. Most parents and MOFAs not in finance or insurance consider invest-

ment income an incidental revenue source and include it in their income statements in a separate "other income" category, rather than in sales. BEA collects separate data on investment income to ensure that—where it is included in total sales—is not misclassified as sales of services.

Table 8.2. Selected Data for Nonbank U.S. Parents, by Industry of U.S. Parent, 2000

	Millions of dollars										Thousands of employees
	Total assets	Sales				Net income	Capital expenditures	Research and development expenditures	Gross product	Compensation of employees	
		Total	Goods	Services	Investment income ¹						
All industries	12,662,687	6,547,050	4,214,312	2,019,105	313,634	404,057	405,966	131,576	2,089,444	1,136,555	23,166.9
Mining	132,131	69,172	48,084	21,079	9	7,097	10,505	297	28,641	8,446	120.4
Oil and gas extraction	76,427	46,061	(D)	(D)	0	5,790	7,009	49	17,038	2,138	22.6
Other	55,703	23,111	(D)	(D)	9	1,307	3,496	248	11,603	6,308	97.8
Utilities	553,078	273,095	10,324	256,118	6,653	4,565	25,676	121	77,770	27,138	347.6
Manufacturing	4,056,736	3,065,687	2,890,481	128,821	46,384	190,626	170,160	107,189	1,006,582	535,704	9,236.9
Food	162,574	217,779	215,194	2,584	0	9,963	6,734	911	50,812	27,731	678.3
Beverages and tobacco products	161,296	108,487	106,678	1,809	0	14,493	4,192	520	45,282	15,085	254.4
Textiles, apparel, and leather products	38,628	44,653	44,524	64	65	489	2,477	266	16,779	11,661	343.9
Wood products	6,427	7,475	(D)	(D)	0	191	329	(D)	2,079	1,396	37.5
Paper	169,382	124,650	124,354	291	5	6,214	6,681	1,519	46,082	25,341	433.9
Printing and related support activities	24,426	27,846	25,558	2,287	(*)	1,044	1,223	147	12,024	8,314	198.7
Petroleum and coal products	419,819	374,210	342,570	31,455	185	38,245	26,961	1,206	119,923	19,978	273.1
Chemicals	591,249	369,259	365,794	3,358	107	38,048	20,598	28,480	142,667	76,223	981.3
Basic chemicals	97,182	61,093	60,889	202	2	1,092	3,974	1,524	17,590	10,128	142.5
Resins and synthetic rubber, fibers and filaments	80,222	47,641	47,561	(D)	(D)	3,666	1,813	2,940	20,517	10,415	120.9
Pharmaceuticals and medicines	249,132	146,774	146,145	554	76	25,209	8,640	19,961	65,827	34,695	355.1
Soap, cleaning compounds, and toilet preparations	87,641	58,954	58,642	307	5	4,642	2,858	2,239	18,768	9,950	164.8
Other	77,072	54,796	52,558	(D)	(D)	3,439	3,313	1,816	19,964	11,035	198.1
Plastics and rubber products	76,587	69,821	(D)	(D)	0	1,253	3,201	939	23,194	15,906	331.9
Nonmetallic mineral products	57,329	36,441	36,352	90	0	1,751	2,912	415	13,982	7,848	164.3
Primary and fabricated metals	148,124	134,360	131,732	2,574	54	4,234	8,676	1,334	43,569	29,355	585.8
Primary metals	86,904	79,484	77,415	2,017	52	1,517	5,339	816	21,796	14,796	295.3
Fabricated metal products	61,220	54,876	54,316	557	3	2,718	3,338	517	22,131	14,560	290.5
Machinery	205,189	165,792	159,034	4,628	2,131	7,870	6,204	5,839	60,796	38,661	713.3
Agriculture, construction, and mining machinery	75,893	50,081	45,557	2,401	2,123	329	2,292	1,318	14,471	9,915	152.6
Industrial machinery	26,228	22,979	22,863	116	(*)	3,269	911	1,589	10,620	5,199	81.5
Other	103,068	92,732	90,614	2,110	7	4,272	3,001	2,932	35,705	23,547	479.1
Computers and electronic products	524,656	415,177	391,623	23,344	210	29,683	28,278	34,104	149,824	85,076	1,251.4
Computers and peripheral equipment	96,429	102,856	98,500	4,355	0	6,055	5,134	5,766	20,251	15,463	200.4
Communications equipment	189,281	133,264	127,685	5,579	0	5,173	10,212	14,314	44,807	27,203	402.5
Audio and video equipment	21,923	27,424	(D)	4,635	(D)	407	971	579	5,992	4,446	58.0
Semiconductors and other electronic components	156,385	106,922	103,421	(D)	(D)	16,361	9,988	9,788	54,150	22,169	377.6
Navigational, measuring, and other instruments	48,743	42,097	(D)	(D)	0	3,421	1,797	3,201	20,499	14,731	200.5
Magnetic and optical media	11,895	2,614	2,603	11	0	-1,734	177	455	4,125	1,065	12.5
Electrical equipment, appliances, and components	105,685	95,910	91,816	4,094	(*)	1,640	4,447	2,517	32,168	21,620	482.0
Transportation equipment	1,288,426	809,852	717,453	48,781	43,619	31,397	44,173	26,714	221,432	135,464	2,128.0
Motor vehicles, bodies and trailers, and parts	800,931	536,201	471,522	22,169	42,510	15,424	29,218	16,219	134,403	77,529	1,108.0
Other	487,495	273,651	245,930	26,612	1,109	15,973	14,956	10,495	87,030	57,935	1,018.9
Furniture and related products	15,496	20,752	(D)	(D)	0	1,115	861	(D)	7,103	4,402	148.3
Miscellaneous manufacturing	61,443	43,223	41,721	1,494	8	2,996	2,212	2,124	18,863	11,643	231.9
Wholesale trade	350,373	581,156	524,423	54,028	2,705	11,607	16,437	4,100	76,136	46,753	822.3
Professional and commercial equipment and supplies	67,535	103,463	(D)	7,952	(D)	5,365	3,120	(D)	20,827	12,932	198.9
Other durable goods	98,141	154,268	148,970	(D)	(D)	2,743	5,515	586	20,328	11,759	233.2
Petroleum and petroleum products	68,585	130,518	(D)	(D)	(*)	1,650	4,058	27	9,094	4,235	33.4
Other nondurable goods	116,112	192,907	189,226	2,850	831	1,848	3,744	(D)	25,887	17,826	356.8
Information	1,324,932	516,646	44,264	471,328	1,054	58,536	83,073	8,114	303,615	113,525	2,027.4
Publishing industries	166,365	82,002	20,586	60,584	831	18,856	4,305	4,989	54,536	22,633	323.8
Motion picture and sound recording industries	107,400	25,704	2,715	22,989	0	333	1,125	12	9,599	7,216	134.5
Broadcasting and telecommunications	984,490	361,711	19,522	341,982	207	34,252	74,608	1,191	209,167	70,065	1,328.0
Broadcasting, cable networks, and program distribution	242,962	81,487	15,626	65,656	205	3,475	6,740	12	27,058	13,711	347.8
Telecommunications	741,528	280,224	3,896	276,326	2	30,777	67,868	1,179	182,109	56,353	975.1
Information services and data processing services	66,677	47,229	1,441	45,773	15	5,094	3,035	1,921	30,313	13,611	246.3
Finance (except depository institutions) and insurance	5,137,729	825,544	24,539	549,924	251,081	68,095	25,949	264	138,478	124,283	1,428.7
Finance, except depository institutions	2,147,598	338,100	(D)	185,114	(D)	35,293	14,301	217	82,022	68,347	556.9
Securities, commodity contracts, and other intermediation	1,783,123	291,185	(D)	147,602	(D)	30,152	10,703	16	74,765	59,639	440.4
Other finance, except depository institutions	364,475	46,916	1	37,512	9,402	5,141	3,598	201	7,257	8,708	116.5
Insurance carriers and related activities	2,990,131	487,444	(D)	364,811	(D)	32,802	11,648	47	56,456	55,936	871.8
Professional, scientific, and technical services	230,368	197,234	28,519	167,051	1,665	23,923	15,024	9,934	102,988	70,402	1,040.4
Architectural, engineering, and related services	18,192	24,650	5,396	19,239	14	461	336	29	7,708	6,758	115.0
Computer systems design and related services	123,500	87,948	(D)	64,764	(D)	12,568	11,558	8,268	44,181	28,799	387.9
Management, scientific, and technical consulting	11,905	20,275	(D)	(D)	(*)	1,401	533	(D)	10,120	8,741	109.9
Advertising and related services	37,463	16,978	787	16,192	0	643	650	(D)	10,692	7,973	112.5
Other	39,308	47,383	356	(D)	(D)	8,851	1,947	853	30,288	18,130	315.1
Other industries	877,341	1,018,515	643,678	370,755	4,082	39,610	59,142	1,557	355,235	210,305	8,143.2
Agriculture, forestry, fishing, and hunting	3,327	3,426	3,338	72	16	59	190	2	1,230	774	30.6
Construction	26,022	41,827	32,238	9,589	(*)	1,239	1,098	(D)	13,349	9,389	175.3
Retail trade	336,567	602,147	596,384	4,819	943	22,394	25,119	(D)	147,296	72,988	3,752.7
Transportation and warehousing	185,955	150,830	4,911	145,280	639	9,573	13,130	23	80,803	54,483	1,006.9
Real estate and rental and leasing	89,234	30,309	1,974	26,032	2,303	1,480	9,035	6	17,081	6,592	150.1
Real estate	42,859	8,491	68	6,607	1,817	1,682	1,514	0	5,991	2,376	31.3
Rental and leasing (except real estate)	46,374	21,818	1,906	19,426	486	-202	7,522	6	11,090	4,216	118.8
Management of nonbank companies and enterprises	23,417	86	(*)	86	0	-18	81	0	4,094	95	2.1
Administration, support, and waste management	41,022	48,135	77	48,058	0	626	1,657	5	28,382	23,174	1,164.4
Health care and social assistance	42,986	61,668	700	60,968	0	347	1,732	26	21,936	16,835	438.4
Accommodation and food services	82,837	60,223	(D)	57,612	(D)	4,152	5,571	31	31,815	20,007	1,129.7
Accommodation	48,793	25,230	(D)	25,161	(D)	1,278	3,391	0	13,957	8,231	402.4
Food services and drinking places	34,044	34,993	(D)	32,451	(D)	2,875	2,180	31	17,858	11,776	727.2
Miscellaneous services	45,974	19,865	(D)	18,240	(D)	-243	1,531	14	9,250	5,967	293.0

* Less than \$500,000 (-/-)
D Suppressed to avoid disclosure of data of individual companies.
1. See footnote 1 to table 8.1.

Table 9. Selected Data for Nonbank Foreign Affiliates, by Country of Affiliate, 1999 and 2000

	1999							2000						
	Millions of dollars						Thou- sands of employ- ees	Millions of dollars						Thou- sands of employ- ees
	Total assets	Sales	Net income	U.S. exports of goods shipped to affil- iates	U.S. imports of goods shipped by affil- iates	Compensation of employ- ees		Total assets	Sales	Net income	U.S. exports of goods shipped to affil- iates	U.S. imports of goods shipped by affil- iates	Compensation of employ- ees	
All countries	4,631,810	2,611,764	181,915	196,499	194,511	295,311	9,220.2	5,260,182	2,891,497	209,605	203,007	215,300	302,644	9,606.9
Canada	370,009	302,162	15,177	65,477	79,445	35,157	1,072.6	428,185	366,701	18,897	61,511	82,226	36,464	1,145.4
Europe	2,623,897	1,389,987	101,824	47,449	34,655	167,342	3,912.5	3,046,124	1,438,611	113,288	51,783	38,244	168,385	4,095.8
Austria.....	11,812	15,095	669	1,107	244	1,762	33.6	13,965	13,011	662	257	233	1,659	34.1
Belgium.....	95,403	64,184	3,345	3,562	1,993	8,277	146.3	118,630	64,215	6,704	3,548	1,566	7,851	151.4
Czech Republic.....	6,320	6,658	438	47	34	498	49.1	7,352	6,987	494	58	27	545	53.9
Denmark.....	21,637	(D)	(D)	133	133	2,595	L	41,809	20,233	5,175	148	124	2,751	61.7
Finland.....	(D)	6,276	418	69	(D)	744	J	7,585	6,755	395	130	214	722	16.7
France.....	161,823	142,508	3,676	5,571	3,195	23,603	571.3	186,053	137,511	3,307	(D)	3,391	22,919	586.3
Germany.....	285,165	244,568	9,907	8,018	(D)	35,118	684.2	300,512	236,095	9,806	8,590	4,488	34,383	657.8
Greece.....	4,406	5,789	244	56	2	430	14.2	(D)	(D)	(D)	72	12	(D)	K
Hungary.....	8,464	9,165	788	115	776	803	72.2	5,783	6,649	161	216	147	512	48.7
Ireland.....	91,376	59,039	12,316	2,662	(D)	2,892	86.2	99,021	70,838	12,311	2,792	6,497	3,148	93.9
Italy.....	80,117	78,523	5,384	2,235	1,631	9,315	208.8	87,901	75,368	4,445	2,622	(D)	9,196	222.3
Luxembourg.....	54,346	4,567	3,887	145	80	490	9.5	149,995	(D)	(D)	174	43	461	9.7
Netherlands.....	296,866	137,312	19,290	(D)	1,614	8,382	180.6	361,574	145,337	17,345	7,611	(D)	8,693	197.0
Norway.....	20,234	15,049	1,103	275	152	1,985	51.5	23,108	21,048	1,915	(D)	604	1,662	29.8
Poland.....	11,414	10,328	-187	65	(D)	886	72.4	12,023	10,058	-276	114	105	1,007	83.3
Portugal.....	10,877	10,622	1,068	130	90	939	40.2	(D)	8,950	763	106	(D)	(D)	K
Russia.....	5,710	3,789	-675	17	0	417	33.8	5,885	3,767	-333	29	0	423	31.5
Spain.....	56,859	54,469	2,972	(D)	764	6,486	183.7	65,146	51,985	2,873	1,003	665	6,647	202.8
Sweden.....	(D)	(D)	(D)	(D)	3,717	3,660	81.2	50,455	35,744	1,354	662	4,426	3,835	89.6
Switzerland.....	126,328	73,383	11,025	3,115	1,150	4,341	60.2	145,894	78,088	11,429	4,127	1,327	4,164	58.5
Turkey.....	8,594	12,732	285	280	(D)	807	41.8	8,243	10,681	268	199	102	782	41.1
United Kingdom.....	1,199,242	378,272	22,423	12,244	9,098	52,233	1,162.4	1,315,404	413,467	29,948	(D)	10,848	54,646	1,266.6
Other.....	18,647	8,177	550	80	58	681	57.6	21,458	9,884	1,656	(D)	48	782	72.3
Latin America and Other Western Hemisphere	716,218	308,569	31,082	39,487	37,423	31,028	1,955.3	797,682	360,845	37,864	41,708	47,582	33,107	2,006.8
South America	266,378	145,003	3,212	8,819	(D)	17,983	799.4	288,485	159,491	6,401	(D)	5,601	17,875	794.4
Argentina.....	59,951	27,950	465	1,305	469	3,425	117.8	65,303	29,257	-176	1,408	409	3,572	119.1
Brazil.....	131,201	71,371	-49	4,063	(D)	9,237	421.9	137,776	80,024	3,341	3,722	(D)	8,936	403.6
Chile.....	21,859	11,420	581	610	586	1,142	67.0	23,684	12,620	743	594	473	1,183	68.0
Colombia.....	13,734	9,228	659	670	461	1,001	52.8	16,422	10,646	785	585	519	1,132	69.1
Ecuador.....	2,074	1,635	91	(D)	266	136	13.0	2,150	1,875	30	(D)	(D)	142	13.3
Peru.....	8,602	5,144	-7	525	312	502	24.3	9,173	5,083	-29	215	586	492	25.0
Venezuela.....	24,437	13,830	1,358	1,303	(D)	2,247	86.8	28,951	14,985	1,506	1,208	(D)	2,155	81.1
Other.....	4,521	4,425	113	(D)	(D)	294	15.8	5,027	5,001	201	(D)	(D)	262	15.2
Central America	150,064	114,446	10,057	29,572	29,895	11,342	1,094.9	164,219	137,881	8,784	32,495	40,182	13,522	1,150.4
Costa Rica.....	2,990	2,402	40	(D)	769	256	25.9	3,097	2,486	99	(D)	704	286	25.4
Honduras.....	(D)	(D)	(D)	143	113	140	J	1,258	1,512	93	182	162	158	21.6
Mexico.....	100,235	102,531	6,022	29,040	28,746	10,244	994.5	114,653	123,970	6,162	32,000	38,957	12,293	1,048.1
Panama.....	41,747	4,970	3,686	131	(D)	451	K	40,049	5,899	2,129	93	(D)	495	30.8
Other.....	(D)	(D)	(D)	(D)	(D)	250	23.6	5,163	4,014	300	(D)	(D)	290	24.6
Other Western Hemisphere	299,776	49,120	17,814	1,096	(D)	1,703	61.0	344,977	63,473	22,679	(D)	1,799	1,710	62.0
Barbados.....	(D)	(D)	13	1	58	1.7	(D)	(D)	(D)	(D)	183	(D)	53	1.9
Bermuda.....	159,507	21,145	8,459	(D)	4	416	I	188,283	32,237	11,378	78	(D)	472	8.1
Dominican Republic.....	(D)	(D)	(D)	(D)	395	221	19.2	(D)	(D)	(D)	107	408	215	19.7
United Kingdom Islands, Caribbean.....	92,186	10,616	5,545	200	229	439	7.6	102,966	8,356	6,795	96	131	335	6.0
Other.....	37,389	11,174	1,545	(D)	(D)	568	J	42,279	15,701	2,133	(D)	936	636	26.3
Africa	51,574	33,138	2,589	998	1,761	3,762	230.7	59,118	43,595	4,436	831	(D)	4,112	237.7
Egypt.....	5,672	4,352	491	103	(*)	251	25.3	5,860	5,044	850	124	(*)	213	19.8
Nigeria.....	7,423	4,318	925	53	(D)	181	9.7	8,768	6,149	1,483	71	(D)	251	10.0
South Africa.....	15,532	13,805	666	361	75	2,598	137.8	18,505	17,908	595	281	(D)	2,789	139.1
Other.....	22,947	10,663	508	482	(D)	732	58.0	25,986	14,495	1,507	355	(D)	859	68.8
Middle East	50,971	29,544	2,942	773	1,351	3,607	87.6	54,491	33,111	4,185	1,068	1,831	3,199	94.1
Israel.....	15,310	11,207	348	(D)	1,836	53.0	15,700	11,171	1,284	398	1,181	1,845	56.0	
Saudi Arabia.....	16,951	9,939	614	118	0	1,084	18.4	17,788	11,154	862	367	5	640	18.6
United Arab Emirates.....	3,156	3,803	260	275	9	311	6.7	3,875	4,028	229	275	5	311	7.3
Other.....	15,553	4,595	896	32	(D)	377	9.6	17,128	6,758	1,810	28	640	403	12.3
Asia and Pacific	819,143	548,364	28,300	42,315	39,876	54,415	1,961.3	874,581	648,635	30,937	46,106	(D)	57,376	2,027.0
Australia.....	115,570	72,579	3,270	4,351	1,181	10,408	311.5	116,562	69,807	3,619	4,228	(D)	10,866	324.0
China.....	30,394	23,407	1,075	3,561	(D)	1,977	293.7	35,033	32,125	2,186	2,470	(D)	2,184	281.2
Hong Kong.....	75,013	48,703	4,418	4,461	(D)	3,731	97.6	84,753	57,547	4,762	5,058	(D)	3,919	104.2
India.....	12,590	6,416	-68	370	83	730	97.3	13,459	8,285	-30	475	104	829	97.4
Indonesia.....	26,540	10,678	2,389	312	330	710	72.3	28,354	12,458	2,976	293	379	839	72.1
Japan.....	336,909	196,980	6,341	12,740	7,408	24,765	399.1	342,967	240,240	4,813	15,281	7,188	25,999	432.2
Korea, Republic of.....	27,524	24,199	2,044	1,821	385	2,134	74.8	30,668	31,473	1,987	2,395	396	2,702	86.0
Malaysia.....	22,389	23,348	1,544	2,474	(D)	1,280	128.0	26,140	26,979	1,464	1,924	3,760	1,262	126.3
New Zealand.....	19,836	9,717	729	218	107	1,378	49.7	20,255	10,259	518	387	124	1,190	49.0
Philippines.....	11,335	9,063	533	1,533	580	667	85.4	12,136	10,279	306	1,673	776	660	79.0
Singapore.....	76,783	81,483	4,148	6,907	13,951	3,652	120.4	87,965	97,014	5,632	8,289	15,233	3,701	120.5
Taiwan.....	31,179	21,362	1,391	2,381	1,243	1,787	82.5	40,595	26,641	1,763	2,397	2,474	1,951	86.4
Thailand.....	24,556	16,848	556	1,155	(D)	929	127.5	26,598	21,117	763	(D)	1,271	987	144.5
Other.....	8,523	3,581	-70	33	0	268	21.5	9,096	4,411	179	(D)	0	289	24.3
Addenda:														
Eastern Europe ¹	47,728	36,313	716	302	848	3,099	275.7	49,548	35,472	1,582	471	301	3,075	280.5
European Union(15) ²	2,418,185	1,250,707	88,497	43,453	32,418	156,925	3,473.9	2,816,381	1,291,450	97,975	46,667	35,884	158,508	3,676.6
OPEC ³	93,408	46,167	6,164	2,112	1,704	4,886	199.8	104,378	54,561	8,552	2,230	(D)	4,571	196.0

Table 10.1. Selected Data for Majority-Owned Nonbank Foreign Affiliates, by Country of Affiliate, 1999

	Millions of dollars											Thousands of employees	
	Total assets	Sales				Net income	Capital expenditures	Research and development expenditures	U.S. exports of goods shipped to MOFAs ¹	U.S. imports of goods shipped by MOFAs ²	Gross product		Compensation of employees
		Total	Goods	Services	Investment income ³								
All countries	4,056,424	2,218,945	1,782,680	372,853	63,412	162,759	113,304	18,144	190,547	182,246	566,396	254,923	7,765.8
Canada	337,293	281,251	237,342	36,993	6,916	14,874	13,962	1,681	63,980	75,951	65,780	32,230	1,004.2
Europe	2,425,760	1,220,468	981,008	205,959	33,501	93,292	55,615	12,217	46,523	33,302	324,634	152,772	3,530.5
Austria.....	9,166	13,261	11,707	1,464	90	588	798	82	1,107	244	3,419	1,709	32.8
Belgium.....	85,540	57,081	50,772	5,115	1,194	2,687	1,437	375	3,559	1,993	13,219	6,484	117.3
Czech Republic.....	3,956	4,657	4,147	459	51	127	324	6	47	34	1,183	386	43.5
Denmark.....	12,528	9,372	7,176	2,056	140	764	474	57	133	133	3,058	1,594	33.4
Finland.....	5,514	6,167	5,292	806	69	409	187	59	68	(D)	2,246	713	15.2
France.....	141,641	124,126	102,658	20,041	1,427	3,481	4,458	1,452	4,951	3,081	37,485	22,026	530.4
Germany.....	255,332	203,286	168,224	30,487	4,575	8,446	8,448	3,377	7,960	4,364	61,913	32,424	640.6
Greece.....	3,317	4,080	3,656	348	76	205	80	6	56	2	976	393	13.0
Hungary.....	5,021	6,827	6,282	503	42	355	289	13	115	776	1,198	499	53.1
Ireland.....	89,759	58,356	52,975	3,898	1,483	12,252	2,218	251	2,658	5,288	14,845	2,844	84.8
Italy.....	64,679	68,587	60,090	7,943	554	2,572	2,398	504	2,202	1,607	22,408	8,457	188.2
Luxembourg.....	52,095	4,470	4,007	208	255	3,932	175	145	80	145	1,230	488	9.4
Netherlands.....	279,497	117,604	100,773	13,925	2,906	17,536	2,842	374	5,735	1,608	19,018	7,686	165.5
Norway.....	18,733	13,945	11,461	2,369	115	963	1,687	26	270	151	6,296	1,859	48.7
Poland.....	8,143	8,169	7,156	936	77	-184	866	34	63	(D)	1,151	727	58.5
Portugal.....	9,939	9,098	7,624	1,411	63	951	365	14	126	90	2,473	879	38.3
Russia.....	4,467	3,066	2,641	430	-5	-699	291	1	17	0	141	323	29.0
Spain.....	48,642	47,682	42,944	4,279	459	2,522	1,789	1	973	764	10,786	5,913	166.5
Sweden.....	39,589	29,630	25,001	4,339	290	1,751	894	1,036	656	(D)	6,198	3,248	72.4
Switzerland.....	123,647	70,914	64,609	5,072	1,233	10,982	1,132	231	1,150	1,150	8,941	4,099	54.7
Turkey.....	4,386	8,047	7,565	448	34	107	246	6	250	(D)	1,844	594	30.7
United Kingdom.....	1,143,860	345,643	228,720	98,598	18,325	22,988	22,930	4,000	12,237	9,045	103,048	48,904	1,059.6
Other.....	16,308	6,401	5,528	821	52	560	1,286	1	80	58	1,557	523	44.8
Latin America and Other Western Hemisphere	582,945	251,575	195,221	45,221	11,132	27,172	18,330	613	38,154	35,650	60,641	24,241	1,536.4
South America.....	186,286	116,736	92,034	22,593	2,109	3,163	9,646	366	8,431	5,263	33,928	14,328	636.0
Argentina.....	40,300	23,123	17,704	4,881	332	2,084	26	26	1,284	469	7,256	2,837	93.8
Brazil.....	92,527	56,066	44,917	10,225	924	1,084	3,471	288	3,936	3,013	16,593	7,523	348.8
Chile.....	17,588	9,365	6,732	2,242	391	539	694	4	595	584	2,688	865	43.6
Colombia.....	9,696	8,354	7,297	978	79	444	378	6	662	457	2,260	879	43.9
Ecuador.....	1,902	1,348	1,131	206	11	82	249	(*)	69	266	313	120	10.6
Peru.....	7,296	4,541	3,997	498	46	-1	556	2	519	312	1,090	441	20.5
Venezuela.....	14,192	10,106	6,799	3,220	87	590	2,048	40	1,127	(D)	3,076	1,430	63.2
Other.....	2,785	3,833	3,457	341	35	92	166	(*)	239	(D)	653	234	11.5
Central America.....	110,943	90,622	81,528	7,269	1,825	7,112	5,142	240	28,675	28,578	19,307	8,613	857.4
Costa Rica.....	2,921	2,318	2,235	64	19	39	120	2	94	769	438	245	25.3
Honduras.....	1,095	1,204	(D)	(D)	(D)	28	143	0	142	113	256	133	18.1
Mexico.....	74,098	81,473	74,068	5,669	1,736	4,890	4,626	238	28,181	27,438	17,556	7,832	780.8
Panama.....	29,610	2,751	1,704	1,016	31	1,951	109	(*)	128	(D)	346	192	14.7
Other.....	3,219	2,876	(D)	(D)	(D)	204	143	(*)	130	(D)	711	210	18.5
Other Western Hemisphere.....	285,716	44,216	21,658	15,360	7,198	16,897	3,543	6	1,049	1,809	7,406	1,299	42.9
Barbados.....	6,869	3,083	811	2,076	196	1,406	13	(*)	13	1	1,298	43	1.2
Bermuda.....	153,219	19,253	6,459	8,387	4,407	8,306	(D)	1	52	3	2,037	287	4.4
Dominican Republic.....	2,772	2,280	(D)	(D)	(D)	509	248	1	241	395	777	176	15.6
United Kingdom Islands, Caribbean.....	90,436	10,500	5,877	2,307	2,316	5,476	(D)	4	200	229	1,561	437	7.5
Other.....	32,420	9,101	(D)	(D)	(D)	1,200	818	0	513	1,182	1,733	357	14.2
Africa	38,453	25,539	21,942	3,418	179	2,039	3,522	18	944	1,757	8,917	2,211	126.0
Egypt.....	4,188	3,636	3,281	352	3	452	370	3	101	(*)	1,090	182	13.3
Nigeria.....	7,292	4,236	3,968	268	0	939	528	0	50	(D)	2,838	177	8.6
South Africa.....	7,919	8,122	6,886	1,134	102	177	210	14	289	72	1,687	1,207	55.0
Other.....	19,055	9,544	7,808	1,664	72	472	2,415	1	473	(D)	3,302	645	49.0
Middle East	18,441	13,831	8,853	4,838	140	1,202	1,185	389	710	973	5,348	2,140	52.2
Israel.....	6,109	4,291	3,308	966	17	321	819	389	329	(D)	1,662	964	33.0
Saudi Arabia.....	4,756	3,721	529	3,167	25	210	25	(*)	74	0	936	673	7.5
United Arab Emirates.....	2,655	3,223	2,840	336	47	170	54	0	275	9	818	273	5.4
Other.....	5,521	2,596	2,175	369	52	501	287	0	32	(D)	1,931	230	6.4
Asia and Pacific	653,532	426,280	338,315	76,423	11,542	24,179	20,690	3,226	40,266	34,612	101,077	41,330	1,516.7
Australia.....	100,927	59,660	42,988	15,255	1,417	3,120	5,004	294	4,271	1,179	19,625	9,103	252.5
China.....	25,361	20,381	18,464	1,867	50	916	1,621	319	3,103	2,640	3,945	1,728	252.4
Hong Kong.....	72,485	47,255	36,445	9,081	1,729	4,346	1,422	214	4,430	5,860	8,011	3,649	93.8
India.....	9,674	4,554	3,955	537	62	-21	355	20	331	77	1,068	500	62.2
Indonesia.....	20,713	9,080	7,736	1,279	65	2,249	1,397	1	311	330	5,199	608	61.6
Japan.....	243,595	121,786	87,887	27,840	6,059	4,932	3,979	1,523	11,636	2,394	30,269	15,661	207.3
Korea, Republic of.....	12,208	11,262	9,347	1,747	168	825	466	101	1,651	282	3,302	1,310	46.1
Malaysia.....	19,193	21,848	19,988	1,679	181	1,519	1,103	161	2,418	4,658	4,780	1,139	119.1
New Zealand.....	14,736	6,846	5,339	1,294	213	126	396	9	218	107	1,907	994	35.8
Philippines.....	10,127	8,563	7,448	983	132	722	732	31	1,532	580	2,748	621	78.1
Singapore.....	72,077	78,564	72,580	5,471	513	3,834	2,170	426	6,869	13,945	9,848	3,442	114.8
Taiwan.....	26,712	18,757	11,528	6,598	631	997	618	122	2,315	1,218	6,066	1,569	71.3
Thailand.....	17,980	14,566	12,802	1,478	286	682	1,034	7	1,154	1,341	3,322	754	102.3
Other.....	7,743	3,158	1,809	1,314	35	-67	392	(*)	28	0	988	254	19.4
Addenda:													
Eastern Europe ²	35,374	27,586	24,555	2,839	192	-15	3,019	54	299	848	4,969	2,327	221.6
European Union(15) ³	2,241,100	1,098,444	871,619	194,920	31,905	81,083	49,495	11,900	42,565	31,071	302,324	143,762	3,167.4
OPEC ⁴	55,578	32,596	23,563	8,800	233	4,652	4,599	42	1,888	1,380	14,560	3,370	149.2

* Less than \$500,000 (+/-).

D Suppressed to avoid disclosure

Table 10.2. Selected Data for Majority-Owned Nonbank Foreign Affiliates, by Country of Affiliate, 2000

	Millions of dollars											Thousands of employees	
	Total assets	Sales				Net income	Capital expenditures	Research and development expenditures	U.S. exports of goods shipped to MOFA's	U.S. imports of goods shipped by MOFA's	Gross product		Compensation of employees
		Total	Goods	Services	Investment income ¹								
All countries	4,647,439	2,486,855	1,985,766	411,510	89,579	191,115	113,591	19,758	195,951	201,374	605,888	259,318	8,064.7
Canada	376,574	328,026	272,703	46,813	8,510	16,712	16,764	1,874	59,508	77,827	72,398	32,523	1,038.7
Europe	2,840,082	1,302,959	1,038,111	212,421	52,427	105,202	53,620	12,938	50,816	36,594	333,375	152,963	3,687.9
Austria.....	11,382	12,512	10,957	1,458	97	597	772	109	257	233	3,290	1,632	33.5
Belgium.....	107,214	56,810	50,055	5,535	1,220	5,907	1,950	410	3,544	1,566	13,150	5,940	120.9
Czech Republic.....	4,285	4,605	3,972	566	67	184	296	18	58	27	1,203	418	47.8
Denmark.....	30,466	12,344	10,494	1,724	126	4,037	398	64	148	124	5,673	1,611	37.1
Finland.....	7,428	6,636	5,853	705	78	386	164	78	128	214	1,893	690	16.1
France.....	163,929	124,751	103,351	19,547	1,853	3,445	4,761	1,445	5,005	3,124	35,754	21,294	544.0
Germany.....	258,561	200,192	164,293	30,053	5,846	8,347	8,406	3,105	8,535	4,467	54,819	30,924	605.2
Greece.....	3,202	3,745	3,366	304	75	126	95	11	72	12	879	361	12.4
Hungary.....	5,442	6,461	5,875	557	29	172	512	35	216	147	1,143	486	47.7
Ireland.....	97,895	70,447	63,877	4,866	1,704	12,307	2,213	518	2,792	6,497	16,689	3,091	91.9
Italy.....	70,905	67,640	59,332	7,555	753	2,367	2,186	575	2,591	1,358	20,502	8,322	199.1
Luxembourg.....	147,755	5,397	4,023	940	434	2,631	97	(D)	174	43	199	459	9.6
Netherlands.....	343,897	126,261	109,683	12,645	3,933	15,735	3,453	369	7,572	1,770	23,371	7,520	169.0
Norway.....	21,487	19,872	17,766	2,004	102	1,775	1,694	(D)	217	603	10,140	1,535	27.1
Poland.....	9,336	8,467	7,150	1,197	120	-188	861	(D)	112	105	1,758	817	67.6
Portugal.....	9,192	8,565	7,375	1,132	58	738	315	20	102	(D)	2,040	879	39.8
Russia.....	4,946	3,095	2,528	549	18	-460	246	1	20	0	319	348	27.0
Spain.....	56,354	45,838	40,665	4,728	445	2,556	1,714	196	953	657	9,939	5,986	179.9
Sweden.....	47,353	31,703	27,185	4,152	366	1,596	907	1,335	563	(D)	6,222	3,454	81.8
Switzerland.....	143,100	75,944	69,341	4,544	2,059	11,523	1,324	220	4,127	1,327	9,387	3,915	53.3
Turkey.....	4,366	6,881	6,276	553	52	108	202	8	189	42	1,505	581	30.1
United Kingdom.....	1,272,450	397,179	258,064	106,157	32,958	29,590	19,627	(D)	13,340	10,842	110,643	52,101	1,185.7
Other.....	19,138	7,613	6,629	950	34	1,725	1,426	7	102	48	2,857	599	61.3
Latin America and Other Western Hemisphere	656,101	295,893	228,086	54,178	13,629	33,412	17,797	665	40,277	45,111	70,401	26,141	1,583.8
South America.....	205,409	127,468	96,868	27,814	2,786	5,184	11,283	334	7,809	4,825	37,913	14,635	657.2
Argentina.....	44,101	24,860	18,060	872	82	-165	2,292	38	1,405	407	7,224	2,989	100.1
Brazil.....	100,130	61,895	47,526	13,224	1,145	2,998	4,808	250	3,650	2,182	19,413	7,549	343.5
Chile.....	19,203	10,353	6,771	3,115	467	761	723	11	588	472	2,762	935	54.6
Colombia.....	11,009	8,966	7,997	850	119	560	440	10	584	505	2,816	987	59.3
Ecuador.....	1,986	1,571	1,342	222	7	38	229	3	59	323	381	124	10.8
Peru.....	7,845	4,406	3,865	496	45	40	625	3	213	586	1,130	409	20.5
Venezuela.....	18,011	11,037	7,332	3,601	104	829	1,732	22	1,186	322	3,394	1,441	57.8
Other.....	3,125	4,380	3,975	378	27	124	433	(*)	123	28	794	202	10.6
Central America.....	120,938	109,973	98,735	8,679	2,559	5,954	4,909	323	31,486	38,624	22,290	10,266	882.6
Costa Rica.....	3,040	2,395	2,294	86	15	99	133	(D)	78	704	528	274	24.8
Honduras.....	1,192	1,428	1,273	145	10	86	82	0	182	162	358	150	19.6
Mexico.....	86,056	99,466	89,959	7,057	2,450	5,321	4,350	305	31,017	37,408	20,180	9,434	804.4
Panama.....	26,713	3,120	2,139	943	38	213	102	(*)	90	(D)	353	168	14.7
Other.....	3,937	3,564	3,069	449	46	234	242	(D)	120	(D)	871	240	19.1
Other Western Hemisphere.....	329,754	58,452	32,483	17,685	8,284	22,274	1,605	8	982	1,662	10,199	1,240	44.0
Barbados.....	7,275	3,634	939	1,517	1,178	1,871	53	0	183	(D)	1,986	36	1.4
Bermuda.....	181,015	30,976	16,493	10,407	4,076	11,469	120	1	50	(D)	4,295	310	4.4
Dominican Republic.....	2,987	2,640	(D)	(D)	(D)	475	315	1	96	408	905	194	17.0
United Kingdom Islands, Caribbean.....	101,247	8,275	2,598	3,215	2,462	6,754	534	6	96	131	750	335	6.0
Other.....	37,231	12,926	(D)	(D)	(D)	1,704	583	(*)	557	800	2,262	266	15.3
Africa	44,127	34,726	30,904	3,662	160	3,709	2,785	27	771	1,972	13,877	2,293	127.0
Egypt.....	4,991	4,524	4,224	295	5	808	433	3	124	(*)	1,364	161	14.2
Nigeria.....	8,626	6,050	5,785	265	0	1,514	369	0	68	(D)	5,266	246	9.0
South Africa.....	9,701	11,782	10,546	1,151	85	72	243	22	258	81	2,241	1,255	56.8
Other.....	20,809	12,370	10,349	1,951	70	1,315	1,741	1	321	(D)	5,005	631	47.0
Middle East	21,578	16,131	11,180	4,794	157	2,166	1,237	527	857	1,831	6,910	2,083	64.7
Israel.....	8,580	6,568	4,607	1,919	42	982	866	527	381	1,181	2,724	1,341	41.7
Saudi Arabia.....	4,575	2,871	717	2,130	24	168	26	(*)	174	5	408	236	7.9
United Arab Emirates.....	2,934	3,328	2,884	409	35	170	49	0	275	5	1,187	267	5.9
Other.....	5,490	3,364	2,972	336	56	846	295	0	28	640	2,591	239	9.2
Asia and Pacific	708,976	509,119	404,782	89,643	14,694	29,913	21,388	3,727	43,722	38,039	108,927	43,315	1,562.5
Australia.....	103,055	56,605	40,034	15,079	1,492	3,497	3,816	330	4,100	1,216	18,646	9,044	257.4
China.....	28,693	25,959	23,621	2,257	81	1,620	1,530	506	2,320	2,740	5,516	1,883	240.4
Hong Kong.....	81,710	56,200	43,381	10,569	2,250	4,703	1,454	341	5,036	7,094	8,270	3,831	101.4
India.....	10,635	6,072	4,934	1,036	102	128	952	17	439	97	1,642	600	67.2
Indonesia.....	19,099	9,641	8,944	613	84	2,755	2,837	2	288	378	6,371	573	60.3
Japan.....	257,953	159,593	117,003	34,678	7,912	5,979	4,213	1,433	13,815	2,627	36,277	16,791	233.7
Korea, Republic of.....	14,510	15,241	12,657	2,367	217	1,049	825	131	2,082	299	4,134	1,874	56.4
Malaysia.....	22,690	24,942	22,634	2,119	189	1,498	1,115	214	1,881	3,760	4,349	1,099	116.9
New Zealand.....	14,157	7,175	5,694	1,278	203	105	227	8	387	124	1,605	743	34.9
Philippines.....	10,576	9,702	8,619	888	195	757	583	41	1,673	776	2,372	608	71.5
Singapore.....	83,192	93,907	87,490	5,749	668	5,383	1,954	548	8,262	15,215	10,730	3,490	113.3
Taiwan.....	36,029	23,658	13,549	9,257	852	1,225	514	143	2,233	2,474	3,936	1,724	75.7
Thailand.....	18,453	16,498	13,820	2,280	398	1,037	941	13	1,154	1,240	3,816	783	111.1
Other.....	8,224	3,926	2,402	1,473	51	178	428	(*)	51	0	1,264	271	22.2
Addenda:													
Eastern Europe ²	40,561	28,689	24,975	3,468	246	1,338	3,305	83	460	300	7,004	2,541	244.5
European Union(15) ³	2,627,982	1,170,020	918,575	201,501	49,944	90,364	47,060	12,341	45,775	34,295	305,063	144,264	3,326.1
OPEC ⁴	59,893	35,643	28,052	7,334	257	6,190	5,556	25	2,006	1,157	18,954	2,971	144.8

Table 11.1. Employment of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 1999
 [Thousands of employees]

	All industries	Mining	Utilities	Manufacturing							Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries	
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computer and electronic products	Electrical equipment, appliances, and components						Transportation equipment
All countries	7,765.8	129.4	68.4	4,357.3	339.8	568.7	223.5	346.9	767.0	264.6	865.7	669.9	295.6	253.0	395.9	1,596.2
Canada	1,004.2	12.9	4.3	441.7	32.4	41.5	30.0	20.3	41.1	15.9	119.7	75.7	31.8	32.7	32.3	372.9
Europe	3,530.5	21.0	37.8	1,925.3	120.7	278.8	118.1	193.3	238.3	119.2	432.6	361.5	164.4	107.4	222.1	691.0
Austria.....	32.8	(*)	0.0	19.5	2.2	1.2	1.1	1.7	2.3	0.6	7.2	7.4	1.1	0.1	2.2	2.5
Belgium.....	117.3	0.1	0.0	71.8	7.4	19.0	2.6	6.3	0.9	4.0	14.5	16.3	3.6	2.3	7.6	15.7
Czech Republic.....	43.5	0.0	0.9	33.8	1.1	2.7	1.5	2.1	8.1	0.3	12.9	3.5	0.8	0.4	2.4	1.8
Denmark.....	33.4	0.4	0.0	16.5	1.8	F	0.7	I	H	0.3	0.4	8.9	G	0.2	3.0	H
Finland.....	15.2	0.0	0.0	6.4	0.1	0.8	0.7	0.6	1.7	(*)	0.3	4.9	0.4	0.1	1.2	2.1
France.....	530.4	0.1	0.0	235.3	11.4	49.2	17.3	28.3	26.2	12.0	31.1	67.4	12.9	9.2	21.0	184.7
Germany.....	640.6	0.8	0.1	447.6	12.3	39.3	18.0	41.2	64.8	49.6	147.8	44.6	24.2	11.4	30.4	81.5
Greece.....	13.0	0.0	0.0	7.0	2.4	1.5	0.7	0.0	0.0	0.0	0.0	3.4	(*)	0.4	1.0	1.2
Hungary.....	53.1	0.0	G	44.2	3.8	3.2	3.7	0.7	I	J	7.7	3.0	0.6	0.2	1.7	G
Ireland.....	84.8	(*)	0.0	65.2	1.3	8.8	2.4	1.8	29.2	2.3	1.6	5.2	3.7	1.7	3.6	5.5
Italy.....	188.2	0.1	(*)	132.6	3.7	26.4	9.5	14.5	19.9	10.0	25.4	22.3	6.9	3.5	7.4	15.3
Luxembourg.....	9.4	0.0	0.0	7.7	0.0	G	0.9	0.0	0.0	0.1	0.0	0.6	(*)	0.3	0.7	0.2
Netherlands.....	165.5	2.0	1.6	83.1	9.3	16.9	6.1	9.6	14.3	0.9	10.0	27.0	9.8	4.1	9.7	28.3
Norway.....	48.7	4.1	(*)	7.7	G	1.2	0.1	2.2	0.5	0.1	(*)	4.3	1.2	0.3	1.7	29.5
Poland.....	58.5	0.0	0.6	40.2	6.5	3.9	1.6	0.9	0.2	0.3	12.4	4.7	2.6	1.0	1.8	7.6
Portugal.....	38.3	0.0	0.0	25.3	3.3	1.8	0.4	F	H	0.3	13.3	5.9	H	0.4	1.2	G
Russia.....	29.0	1.1	0.0	18.1	1.4	7.6	0.4	0.5	0.1	0.6	0.9	2.2	1.3	0.1	1.5	4.6
Spain.....	166.5	0.1	0.1	114.4	11.5	16.3	9.4	7.4	5.5	7.9	34.6	16.5	8.2	3.3	6.8	17.2
Sweden.....	72.4	0.0	0.0	40.1	1.7	7.0	1.6	4.4	2.5	1.1	14.0	11.7	4.3	1.3	2.9	12.1
Switzerland.....	54.7	0.2	0.0	17.8	G	2.5	0.2	2.9	3.5	2.0	0.8	18.6	3.5	1.1	3.8	9.7
Turkey.....	30.7	0.1	(*)	14.3	1.2	2.6	0.6	(*)	0.0	0.2	4.2	8.4	0.2	0.2	1.1	6.5
United Kingdom.....	1,059.6	7.7	28.4	451.9	29.9	63.2	34.0	60.3	43.9	12.7	90.9	70.2	73.7	65.6	107.6	254.5
Other.....	44.8	4.3	H	24.9	5.5	1.7	4.6	0.7	F	G	2.6	4.5	1.0	0.4	1.8	H
Latin America and Other Western Hemisphere	1,536.4	44.2	15.4	1,030.0	117.1	129.1	40.9	65.2	130.9	51.1	249.4	65.4	56.0	33.6	34.8	256.9
South America.....	636.0	37.7	12.7	368.9	59.0	74.3	19.2	42.0	22.5	10.0	61.8	35.9	35.6	19.3	23.0	102.8
Argentina.....	93.8	3.6	3.8	44.6	9.7	11.9	1.3	1.1	0.5	0.2	9.4	6.5	5.4	6.9	4.3	18.8
Brazil.....	348.8	2.2	4.4	252.1	30.2	42.6	15.2	38.2	22.0	8.6	46.4	12.4	19.7	5.8	9.1	43.1
Chile.....	43.6	3.9	G	12.1	2.4	3.4	0.6	0.7	0.0	0.4	0.5	3.6	3.5	4.5	1.7	J
Colombia.....	43.9	7.0	0.1	16.7	3.2	5.3	0.9	0.0	0.0	0.4	G	5.0	0.6	0.8	2.7	11.2
Ecuador.....	10.6	1.3	0.1	5.0	2.0	0.9	(*)	0.0	0.0	0.0	0.3	0.7	0.8	0.1	0.6	2.0
Peru.....	20.5	11.1	0.3	3.5	1.3	1.2	0.1	(*)	0.0	0.0	0.0	2.4	1.7	0.1	0.4	1.0
Venezuela.....	63.2	5.8	H	31.1	9.1	8.6	1.1	1.9	(*)	0.3	3.9	4.0	3.2	0.9	3.3	J
Other.....	11.5	2.9	0.1	3.9	1.1	0.5	0.0	0.2	0.0	0.0	A	1.3	0.8	0.2	0.9	1.4
Central America.....	857.4	1.7	2.5	642.0	56.6	51.9	20.9	23.0	108.3	41.1	187.5	25.2	J	9.6	11.3	M
Costa Rica.....	25.3	(*)	0.0	12.7	2.5	1.1	0.5	(*)	G	2.5	0.0	0.8	0.6	0.1	0.5	10.6
Honduras.....	18.1	0.0	(*)	11.6	1.7	0.2	0.0	0.0	0.0	0.1	A	0.5	(*)	0.4	0.0	5.7
Mexico.....	780.8	1.7	1.4	604.2	50.2	47.6	20.3	23.0	104.8	38.5	185.5	21.3	14.8	8.5	10.5	118.5
Panama.....	14.7	0.4	0.4	3.1	0.3	0.7	0.0	0.0	0.0	0.0	G	1.0	(*)	0.3	0.1	9.9
Other.....	18.5	(*)	0.7	10.4	1.9	2.4	0.1	0.0	G	0.0	0.0	1.7	F	0.3	0.3	H
Other Western Hemisphere.....	42.9	4.7	0.2	19.1	1.5	2.8	0.7	0.2	(*)	0.0	0.0	4.3	H	4.7	0.5	I
Barbados.....	1.2	0.1	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	(*)	0.1	0.1
Bermuda.....	4.4	0.0	0.0	0.2	(*)	(*)	0.0	0.2	0.0	0.0	0.0	0.3	(*)	3.4	(*)	0.5
Dominican Republic.....	15.6	0.0	0.2	10.7	0.6	0.9	0.2	0.0	0.0	0.0	0.0	0.6	H	0.0	0.1	A
United Kingdom Islands, Caribbean.....	7.5	1.7	0.0	2.1	0.1	0.3	0.1	(*)	(*)	0.0	1.9	(*)	0.9	0.1	0.8	0.1
Other.....	14.2	2.9	(*)	5.7	0.5	1.5	0.4	(*)	(*)	0.0	0.0	1.5	(*)	0.4	0.1	3.6
Africa	126.0	14.2	0.0	63.8	7.6	12.4	3.2	6.0	0.2	2.1	6.7	19.0	2.8	1.3	6.4	18.4
Egypt.....	13.3	1.0	0.0	7.9	G	2.9	A	3.2	0.0	0.0	0.0	1.7	0.1	0.1	0.1	2.5
Nigeria.....	8.6	5.8	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.2	0.8
South Africa.....	55.0	(*)	0.0	32.2	G	6.4	1.3	2.7	0.2	2.1	4.4	10.0	2.6	0.5	5.9	3.9
Other.....	49.0	7.4	0.0	22.8	4.0	2.2	G	0.1	0.0	(*)	2.3	6.5	0.1	0.7	0.3	11.2
Middle East	52.2	6.1	0.0	20.2	0.5	1.3	0.6	1.1	13.7	0.1	0.1	4.3	3.8	0.7	4.9	12.3
Israel.....	33.0	0.0	0.0	16.8	0.3	0.7	0.2	0.5	13.7	0.1	0.1	2.5	F	0.1	3.2	I
Saudi Arabia.....	7.5	0.8	0.0	1.3	0.0	0.2	0.4	0.6	(*)	0.0	(*)	0.2	H	0.1	0.9	G
United Arab Emirates.....	5.4	1.7	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.4	(*)	0.2	0.6	1.2
Other.....	6.4	3.6	0.0	1.9	0.2	0.2	(*)	(*)	0.0	0.0	0.0	0.2	(*)	0.3	0.2	0.1
Asia and Pacific	1,516.7	31.1	10.8	876.3	61.6	105.7	30.8	61.0	342.8	76.2	57.4	144.0	36.9	77.4	95.4	244.7
Australia.....	252.5	3.7	4.9	107.3	25.3	13.8	12.2	9.7	2.9	0.7	19.7	21.0	11.0	8.5	25.0	71.2
China.....	252.4	0.9	0.3	198.9	7.1	21.5	8.9	16.5	66.4	50.9	10.5	8.9	0.9	0.8	4.9	36.7
Hong Kong.....	93.8	0.0	H	37.3	0.1	1.7	H	1.2	10.4	7.6	0.7	21.0	2.7	7.3	6.7	J
India.....	62.2	0.6	0.1	42.9	2.4	6.8	1.5	14.9	3.2	3.4	4.9	8.3	0.7	1.1	6.6	1.8
Indonesia.....	61.6	19.3	0.5	23.6	0.7	5.9	0.2	1.4	0.3	H	G	0.9	(*)	3.8	6.7	6.7
Japan.....	207.3	(*)	0.0	68.5	1.7	26.4	0.9	5.8	19.6	1.0	1.4	31.6	8.3	32.8	29.5	36.5
Korea, Republic of.....	46.1	0.0	0.0	23.1	0.7	3.7	0.7	2.8	6.6	(*)	3.0	7.9	1.3	3.2	1.5	9.1
Malaysia.....	119.1	G	0.0	103.7	0.8	2.7	0.1	1.1	81.3	G	G	5.2	F	2.2	1.7	H
New Zealand.....	35.8	0.2	0.6	17.6	G	1.0	0.5	0.4	0.1	(*)	0.1	4.2	2.7	0.8	2.7	7.1
Philippines.....	78.1	0.0	0.9	58.4	7.9	5.9	(*)	6.6	29.8	I	H	4.8	I	2.7	1.4	H
Singapore.....	114.8	0.6	0.0	75.5	0.3	3.0	A	3.3	56.9	2.0	4.0	11.8	2.3	3.5	4.3	16.7
Taiwan.....	71.3	0.0	0.0	32.1	1.2	5.0	0.9	2.0	16.1	0						

Table 11.2. Employment of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 2000
[Thousands of employees]

	All industries	Mining	Utilities	Manufacturing							Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries	
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computer and electronic products	Electrical equipment, appliances, and components						Transportation equipment
All countries	8,064.7	136.7	57.7	4,352.5	355.6	559.2	245.9	343.6	777.1	232.0	872.4	669.1	333.0	309.8	422.9	1,782.9
Canada	1,038.7	13.0	1.2	445.1	36.3	39.0	31.4	20.6	43.9	16.3	120.8	76.1	32.6	35.6	35.4	399.7
Europe	3,687.9	22.7	31.5	1,905.8	127.0	273.9	139.4	188.1	252.8	95.0	422.3	361.5	179.3	134.0	241.0	812.2
Austria.....	33.5	(*)	0.0	20.0	2.2	1.6	0.7	2.1	2.3	0.7	7.0	7.2	1.0	0.1	2.4	2.7
Belgium.....	120.9	0.1	0.0	68.7	7.2	18.9	2.5	7.3	0.6	3.7	11.4	13.9	3.8	3.0	8.7	22.8
Czech Republic.....	47.8	0.0	G	37.5	1.1	3.5	1.5	1.9	10.5	0.3	13.6	2.9	0.9	0.4	2.3	G
Denmark.....	37.1	0.4	0.0	18.7	1.4	0.9	0.7	7.1	2.6	0.4	0.4	8.7	1.3	0.2	4.7	3.1
Finland.....	16.1	0.0	0.0	8.1	0.1	0.9	0.7	1.0	2.8	(*)	0.5	4.8	0.4	0.1	1.3	1.4
France.....	544.0	0.1	0.0	247.6	12.7	50.3	15.9	25.7	34.1	12.1	35.7	60.7	10.9	8.5	21.7	194.5
Germany.....	605.2	0.9	0.1	408.5	12.3	38.2	22.0	40.1	64.3	25.0	141.3	45.0	24.1	13.9	30.1	82.5
Greece.....	12.4	0.0	0.0	6.7	2.1	1.9	0.7	0.0	0.2	0.0	0.0	3.3	(*)	0.4	1.0	1.0
Hungary.....	47.7	0.0	G	37.4	1.9	2.7	H	0.7	3.9	12.4	6.4	3.5	1.3	0.2	1.7	G
Ireland.....	91.9	(*)	0.0	68.7	1.5	9.6	2.4	1.5	31.8	2.3	1.1	5.6	4.3	1.8	4.0	7.6
Italy.....	199.1	0.4	(*)	132.6	4.2	26.2	11.1	14.3	21.1	10.0	24.4	21.6	7.1	4.1	9.5	23.8
Luxembourg.....	9.6	0.0	0.0	7.3	0.0	0.7	0.9	0.0	0.0	0.1	0.0	1.1	(*)	0.4	0.7	0.2
Netherlands.....	169.0	3.1	F	84.4	9.6	16.9	5.9	10.4	14.3	1.7	10.0	29.6	10.8	3.5	9.2	K
Norway.....	27.1	4.2	(*)	7.4	(*)	1.1	0.1	3.1	0.5	0.3	(*)	4.3	1.1	0.4	1.7	8.0
Poland.....	67.6	0.0	0.6	49.5	12.0	3.7	1.6	0.9	0.2	0.3	15.5	3.0	4.4	0.7	2.2	7.2
Portugal.....	39.8	0.0	0.0	26.1	3.8	1.8	0.4	0.9	0.5	0.3	15.7	5.9	H	0.4	1.4	G
Russia.....	27.0	1.2	0.0	15.9	1.5	7.2	0.3	0.6	0.1	0.6	1.0	1.9	1.4	0.1	1.5	5.1
Spain.....	179.9	0.1	0.2	113.3	11.8	17.5	7.7	6.9	6.0	7.4	36.1	19.4	8.5	3.6	7.7	27.2
Sweden.....	81.8	0.0	0.0	41.6	G	6.3	1.6	4.5	4.3	G	14.0	12.5	4.5	1.4	3.1	18.7
Switzerland.....	53.3	0.2	0.0	18.7	G	2.6	0.5	2.2	4.3	2.0	0.7	17.7	2.3	1.1	3.8	9.5
Turkey.....	30.1	0.1	(*)	13.1	1.1	3.0	0.4	(*)	0.0	0.2	4.1	8.6	0.1	0.2	1.1	6.9
United Kingdom.....	1,185.7	7.5	J	432.3	K	56.6	36.5	56.6	47.7	J	80.0	75.7	L	89.2	119.1	353.6
Other.....	61.3	4.5	H	41.6	H	1.7	J	0.3	0.8	1.6	3.5	4.5	0.9	0.4	2.0	H
Latin America and Other Western Hemisphere	1,583.8	47.5	18.2	1,043.0	117.7	128.0	42.1	64.1	131.1	51.8	259.1	61.2	68.9	42.3	32.0	270.9
South America.....	657.2	39.3	15.6	358.4	58.6	72.0	19.2	40.0	16.8	10.0	65.3	35.9	47.0	25.7	20.7	114.6
Argentina.....	100.1	4.1	4.5	42.9	8.6	12.6	1.3	1.0	0.3	0.2	8.5	6.5	7.4	10.3	3.6	20.9
Brazil.....	343.5	2.9	6.7	248.5	34.0	40.2	15.6	36.8	16.5	8.7	50.4	11.5	24.8	6.7	9.0	33.5
Chile.....	54.6	4.1	G	11.1	2.3	3.3	0.6	0.4	0.0	0.4	F	4.0	3.8	6.6	1.5	J
Colombia.....	59.3	7.0	(*)	17.1	3.5	5.4	0.8	0.0	0.0	0.4	1.3	5.7	4.0	0.7	1.6	23.2
Ecuador.....	10.8	1.5	0.1	5.0	2.0	0.9	(*)	0.0	0.0	0.0	0.4	1.0	0.8	0.1	0.4	1.9
Peru.....	20.5	11.4	0.2	3.2	0.9	1.3	0.1	0.0	0.0	0.0	0.0	2.4	1.7	0.1	0.4	1.1
Venezuela.....	57.8	6.0	H	26.7	5.9	7.8	0.7	1.6	0.1	0.2	4.1	3.3	3.3	1.0	3.5	J
Other.....	10.6	2.3	0.2	3.9	1.4	0.5	0.0	0.2	0.0	0.0	A	1.5	1.3	0.3	0.7	0.6
Central America.....	882.6	2.0	2.1	664.4	57.8	53.9	21.6	23.9	114.2	41.8	193.8	22.0	J	12.4	10.9	M
Costa Rica.....	24.8	(*)	0.0	14.0	2.4	1.1	0.5	(*)	H	2.8	0.0	0.7	F	0.1	0.6	I
Honduras.....	19.6	0.0	(*)	12.1	1.7	0.2	0.0	0.0	0.0	0.1	G	0.5	(*)	0.4	0.0	6.6
Mexico.....	804.4	1.3	1.2	624.5	51.6	49.4	21.0	23.9	109.1	38.9	191.2	18.0	16.2	11.3	9.8	122.3
Panama.....	14.7	0.3	0.3	3.0	0.3	0.6	0.0	0.0	0.0	0.0	G	0.9	(*)	0.3	0.2	10.1
Other.....	19.1	0.7	0.7	10.9	1.9	2.6	0.1	0.0	G	0.0	0.0	1.9	F	0.3	0.3	H
Other Western Hemisphere.....	44.0	6.2	0.4	20.1	1.3	2.1	1.3	0.2	0.1	0.0	0.0	3.3	H	4.2	0.4	I
Barbados.....	1.4	0.1	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.5	(*)	0.1	0.1
Bermuda.....	4.4	0.0	0.0	0.2	0.0	(*)	0.0	0.2	0.0	0.0	0.0	0.4	(*)	3.3	0.1	0.5
Dominican Republic.....	17.0	0.0	0.3	12.1	0.8	0.8	0.2	0.0	0.0	0.0	0.0	0.6	H	0.0	0.1	A
United Kingdom Islands, Caribbean.....	6.0	1.7	0.0	2.3	0.1	0.0	0.5	(*)	(*)	0.0	0.0	0.6	(*)	0.6	0.1	0.8
Other.....	15.3	4.4	0.2	5.1	0.2	1.3	0.5	(*)	(*)	0.0	0.0	1.5	(*)	0.4	0.1	3.6
Africa	127.0	16.3	0.0	65.6	10.7	11.9	3.1	6.4	0.2	1.6	10.4	16.4	2.2	1.3	6.0	19.1
Egypt.....	14.2	1.0	0.0	8.8	1.0	1.9	0.3	3.3	0.0	0.0	0.0	1.5	0.1	0.1	0.1	2.6
Nigeria.....	9.0	6.2	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.2	0.8
South Africa.....	56.8	(*)	0.0	34.6	G	6.9	G	3.1	0.2	1.6	7.9	9.1	2.0	0.5	5.5	5.1
Other.....	47.0	9.1	0.0	21.1	I	2.2	G	0.1	0.0	(*)	2.5	5.0	0.1	0.7	0.2	10.7
Middle East	64.7	7.3	0.0	26.4	2.2	1.2	0.6	1.7	16.6	0.1	0.1	4.4	5.9	0.9	4.7	15.1
Israel.....	41.7	0.0	0.0	22.1	G	0.7	0.2	1.1	16.6	0.1	0.1	2.5	H	0.3	H	I
Saudi Arabia.....	7.9	1.3	0.0	1.3	0.0	0.2	0.4	0.6	(*)	0.0	(*)	0.2	G	0.1	0.9	G
United Arab Emirates.....	5.9	2.3	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.4	(*)	0.2	0.5	1.3
Other.....	9.2	3.6	0.0	2.9	A	0.2	(*)	(*)	0.0	0.0	0.0	0.2	(*)	0.3	A	G
Asia and Pacific	1,562.5	30.0	6.9	866.7	61.6	105.2	29.1	62.6	332.5	67.3	59.8	149.6	44.1	95.5	103.7	265.9
Australia.....	257.4	2.7	2.3	102.5	22.7	13.3	11.8	7.9	4.3	0.9	20.4	21.3	13.9	9.4	24.3	81.0
China.....	240.4	1.0	0.1	183.7	7.6	21.2	8.2	17.7	61.9	41.5	10.0	8.4	0.9	G	5.6	K
Hong Kong.....	101.4	0.0	H	35.2	0.1	1.6	G	2.0	8.2	8.0	0.7	18.9	3.3	16.9	8.3	J
India.....	67.2	0.4	0.1	43.5	2.4	6.9	G	12.8	3.4	2.7	7.6	13.0	1.1	1.0	6.3	1.7
Indonesia.....	60.3	19.6	0.2	26.1	0.3	5.9	0.2	1.4	0.3	3.0	2.0	1.3	(*)	4.2	2.0	7.0
Japan.....	233.7	(*)	0.0	76.6	1.7	28.0	1.6	5.6	21.4	1.0	2.0	31.2	10.8	34.3	34.8	46.0
Korea, Republic of.....	56.4	0.0	0.0	28.9	0.8	3.9	0.8	5.8	8.1	(*)	4.1	8.1	1.7	3.6	3.4	10.7
Malaysia.....	116.9	1.7	0.0	101.5	0.9	2.8	0.1	1.2	78.4	1.5	1.4	4.9	0.5	2.9	2.4	3.0
New Zealand.....	34.9	0.2	0.7	16.1	G	0.9	0.5	0.4	0.1	(*)	0.1	4.4	2.8	0.9	2.9	6.9
Philippines.....	71.5	0.0	0.2	52.3	9.0	4.5	0.3	0.6	24.7	5.6	G	5.6	5.5	2.5	2.3	3.0
Singapore.....	113.3	0.7	0.0	70.8	0.2	3.3	0.4	2.6	51.6	2.2	4.3	12.5	2.4	3.9	6.6	16.4
Taiwan.....	75.7	0.0	0.0	32.2	1.3	4.5	0.9	2.3								

Table 12.1. Gross Product of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 1999
 [Millions of dollars]

	All industries	Mining	Utilities	Manufacturing								Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computer and electronic products	Electrical equipment, appliances, and components	Transportation equipment					
All countries	566,396	38,552	10,466	316,300	18,750	58,894	12,086	18,581	37,616	7,344	49,019	76,774	20,667	25,292	31,117	47,228
Canada	65,780	3,686	384	40,686	2,274	4,218	1,857	1,386	2,460	951	13,156	5,711	1,301	1,537	1,828	10,648
Europe	324,634	12,513	5,704	196,636	10,800	37,854	7,217	12,641	18,408	4,811	26,850	45,398	12,225	9,611	17,434	25,113
Austria.....	3,419	1	0	1,822	229	120	52	125	241	32	767	1,095	135	15	109	244
Belgium.....	13,219	5	0	9,163	561	3,124	155	513	43	283	1,071	2,310	394	-63	641	770
Czech Republic.....	1,183	(*)	39	962	15	68	18	24	55	6	205	65	13	14	43	47
Denmark.....	3,058	365	0	1,033	237	(D)	36	(D)	(D)	14	22	1,054	(D)	103	226	(D)
Finland.....	2,246	0	0	771	5	177	66	33	274	2	39	1,254	29	12	96	86
France.....	37,485	-3	0	22,113	1,028	5,805	1,028	2,022	2,137	728	1,841	6,461	892	602	1,739	5,680
Germany.....	61,913	764	3	46,135	1,972	4,360	1,444	2,996	6,035	1,518	10,014	4,499	2,274	823	2,610	4,804
Greece.....	976	(*)	0	425	114	183	58	0	(*)	0	0	424	1	60	31	35
Hungary.....	1,198	(*)	(D)	822	68	32	101	9	(D)	(D)	393	151	18	29	56	(D)
Ireland.....	14,845	-8	(*)	12,950	156	7,611	86	134	2,504	129	101	1,459	731	120	44	-451
Italy.....	22,408	-18	(*)	17,222	601	2,685	597	1,010	1,599	562	1,218	2,888	425	287	641	963
Luxembourg.....	1,230	0	0	683	0	(D)	44	(*)	0	2	0	440	1	122	53	-68
Netherlands.....	19,018	391	123	10,717	971	2,380	372	524	845	94	1,123	5,475	740	186	872	514
Norway.....	6,296	2,993	(*)	1,555	(D)	67	4	178	66	3	1	710	60	24	151	803
Poland.....	1,151	-2	13	999	187	199	42	16	4	2	74	58	-192	51	67	157
Portugal.....	2,473	(*)	(*)	897	137	140	7	(D)	(D)	12	229	815	(D)	-68	79	(D)
Russia.....	141	72	0	-33	-22	-91	23	-1	5	10	12	39	19	10	25	9
Spain.....	10,786	9	28	7,611	606	1,753	706	464	477	312	1,910	1,706	286	272	485	388
Sweden.....	6,198	0	0	2,885	140	872	62	263	171	55	924	1,603	459	69	297	885
Switzerland.....	8,941	23	0	3,246	(D)	610	22	297	620	165	80	4,146	319	122	465	618
Turkey.....	1,844	2	9	1,292	26	240	79	(*)	-2	6	86	419	7	36	32	47
United Kingdom.....	103,408	7,135	5,352	52,981	3,387	7,173	2,193	3,793	3,090	531	6,713	8,165	5,145	6,749	8,612	8,909
Other.....	1,557	783	(D)	384	20	29	22	4	(D)	(D)	26	163	18	37	61	(D)
Latin America and Other Western Hemisphere	60,641	5,617	1,242	33,472	3,640	7,706	1,224	2,309	1,074	670	6,503	5,337	3,879	4,502	2,381	4,211
South America	33,928	4,292	985	18,029	2,077	4,789	818	1,485	-174	148	2,613	2,714	3,210	1,135	1,797	1,766
Argentina.....	7,256	785	303	4,183	492	802	77	36	21	-22	384	427	686	199	245	429
Brazil.....	16,593	273	331	10,989	1,053	2,899	646	1,426	-196	146	2,038	912	1,815	507	972	796
Chile.....	2,688	987	(D)	483	53	155	38	3	(*)	7	19	485	76	312	61	(D)
Colombia.....	2,260	781	56	756	162	296	36	0	(*)	5	(D)	351	14	29	141	130
Ecuador.....	313	152	37	49	17	13	-1	0	0	0	-5	4	37	-4	7	30
Peru.....	1,090	552	31	172	39	82	1	(*)	0	(*)	-1	204	56	49	14	12
Venezuela.....	3,076	564	(D)	1,217	231	524	20	15	(*)	13	134	147	487	37	327	(D)
Other.....	653	198	11	181	30	18	(*)	6	0	0	(D)	184	39	6	29	4
Central America	19,307	168	229	14,633	1,500	2,793	320	817	1,247	519	3,893	1,107	(D)	779	357	(D)
Costa Rica.....	438	(*)	0	384	52	43	15	(*)	(D)	34	0	-55	11	-10	7	101
Honduras.....	256	0	(*)	165	33	5	0	0	0	2	(D)	46	(*)	6	0	39
Mexico.....	17,556	180	80	13,663	1,371	2,662	307	816	1,118	483	3,869	825	206	780	348	1,473
Panama.....	346	-13	45	63	4	33	0	0	0	0	(D)	126	(*)	2	-5	129
Other.....	711	1	104	358	40	51	-2	0	(D)	0	0	166	(D)	1	7	(D)
Other Western Hemisphere	7,406	1,157	28	810	64	124	86	7	2	3	-3	1,516	(D)	2,587	227	(D)
Barbados.....	1,298	66	0	30	6	2	0	6	1	3	-3	239	10	880	35	39
Bermuda.....	2,037	-4	(*)	1	(*)	(*)	0	(*)	(*)	0	0	947	13	1,066	17	-3
Dominican Republic.....	777	0	37	303	18	34	3	0	0	0	0	59	(D)	(*)	2	(D)
United Kingdom Islands, Caribbean.....	1,561	265	-8	189	11	13	35	(*)	(*)	0	-53	24	413	167	564	(D)
Other.....	1,733	829	(*)	287	28	74	48	(*)	(*)	0	0	324	-1	229	6	59
Africa	8,917	5,642	-1	1,379	99	429	130	143	9	74	91	1,049	30	65	330	423
Egypt.....	1,090	702	0	145	(D)	108	(D)	74	0	-1	-3	120	2	4	2	115
Nigeria.....	2,838	2,739	0	27	0	-1	0	0	0	0	0	40	0	-7	6	34
South Africa.....	1,687	-16	0	852	(D)	280	65	67	9	74	84	470	49	44	225	64
Other.....	3,302	2,216	-1	356	33	42	(D)	2	(*)	1	9	418	-21	24	98	211
Middle East	5,348	2,338	0	1,103	16	73	13	64	844	-2	-2	440	730	174	353	209
Israel.....	1,662	(*)	0	995	9	26	2	38	842	-2	-2	202	(D)	5	228	(D)
Saudi Arabia.....	936	49	0	54	0	23	10	20	1	0	(*)	78	(D)	33	66	(D)
United Arab Emirates.....	818	500	0	34	0	25	0	0	0	0	(*)	141	1	66	34	43
Other.....	1,931	1,789	0	21	7	(*)	1	7	0	0	0	20	4	71	25	2
Asia and Pacific	101,077	8,756	3,136	43,024	1,919	8,614	1,644	2,038	14,821	840	2,422	18,840	2,502	9,403	8,791	6,624
Australia.....	19,625	1,962	1,123	7,980	1,193	1,042	1,182	400	240	31	1,430	3,393	705	860	1,594	2,009
China.....	3,945	233	64	3,172	91	740	132	131	1,364	344	74	141	36	44	135	120
Hong Kong.....	8,011	(*)	(D)	1,090	2	122	(D)	88	448	109	22	2,824	229	1,507	592	(D)
India.....	1,068	101	-4	709	33	171	31	186	40	11	55	202	-13	-29	115	-13
Indonesia.....	5,199	4,551	206	237	3	127	6	-7	3	(D)	(D)	18	(*)	54	105	28
Japan.....	30,269	2	0	12,677	102	3,841	79	634	3,262	107	139	7,635	1,210	1,640	5,409	1,696
Korea, Republic of.....	3,302	(*)	0	1,554	71	268	20	131	291	(*)	297	1,156	71	238	124	158
Malaysia.....	4,780	(D)	-1	3,006	16	149	2	22	2,464	(D)	(D)	286	(D)	347	78	(D)
New Zealand.....	1,907	16	201	794	(D)	70	18	13	-3	1	3	537	80	55	88	137
Philippines.....	2,748	(*)	261	1,628	117	326	1	49	854	(D)	(D)	205	(D)	251	37	(D)
Singapore.....	9,848	58	0	6,653	10	1,031	(D)	244	4,349	114	252	1,431	98	847	282	479
Taiwan.....	6,066	(*)	0	1,691	47	511	39	104	773	13	(D)	718	39	3,263	111	243
Thailand.....	3,322	653	1	1,742	80	183	25	42	736	4	-9	191	2	314	113	307
Other.....	988	(D)	(D)	91	(D)	33	(*)	1	1	0	-3	105	(*)	14	8	368
Addenda:																
Eastern Europe 1.....	4,969	853	189	3,031	268	231	205	51	-63	356	694	375	-138	135	235	289
European Union(15) 2.....	302,324	8,641	5,506	187,409	10,145	36,700	6,906	12,114	17,787	4	25,973	39,647	11,963	9,288	16,534	23,335
OPEC 3.....	14,560	9,952	287	1,573	237	697	36	27	4	33	142	425	1,137	191	649	348

* Less than \$500,000 (+/-).

D Suppressed to avoid disclosure of data of individual companies.

1. See footnote 1 to table 9.

2. See footnote 2 to table 9.

3. See footnote 3 to table 9.

Table 12.2. Gross Product of Majority-Owned Nonbank Foreign Affiliates, Country by Industry of Affiliate, 2000

[Millions of dollars]

	All industries	Mining	Utilities	Manufacturing								Wholesale trade	Information	Finance (except depository institutions) and insurance	Professional, scientific, and technical services	Other industries
				Total	Of which:											
					Food	Chemicals	Primary and fabricated metals	Machinery	Computer and electronic products	Electrical equipment, appliances, and components	Transportation equipment					
All countries	605,888	60,060	10,839	317,339	19,139	58,200	13,249	18,035	41,886	7,350	48,851	87,025	22,364	23,307	33,050	51,904
Canada	72,398	5,762	229	45,058	2,486	4,520	2,624	1,267	3,169	918	13,806	5,969	1,357	1,538	2,021	10,465
Europe	333,375	21,086	5,667	180,351	10,638	36,058	6,918	11,607	19,609	4,597	23,985	55,335	12,997	10,259	18,545	29,136
Austria.....	3,290	1	0	1,752	224	164	27	124	235	25	672	1,036	114	-15	124	279
Belgium.....	13,150	5	0	8,445	576	2,963	155	469	57	242	939	1,987	445	243	1,036	990
Czech Republic.....	1,203	(*)	(D)	850	17	92	19	28	90	7	195	132	10	18	51	(D)
Denmark.....	5,673	609	0	1,004	114	99	42	269	142	17	17	3,585	94	3	306	72
Finland.....	1,893	0	0	777	6	121	143	38	294	2	42	967	24	7	92	25
France.....	35,754	10	0	20,591	1,016	5,069	782	1,536	2,763	665	1,515	6,193	695	545	1,659	6,062
Germany.....	54,819	907	4	33,116	1,700	4,305	1,461	2,645	6,235	1,650	8,067	11,042	2,209	358	2,462	4,721
Greece.....	879	(*)	0	379	81	182	43	0	7	0	0	396	1	40	32	29
Hungary.....	1,143	(*)	(D)	725	36	54	(D)	9	-276	306	319	202	18	-1	57	(D)
Ireland.....	16,689	6	(*)	13,138	181	8,090	91	88	2,410	137	70	1,444	1,524	247	69	261
Italy.....	20,502	-7	(*)	15,789	599	2,405	666	960	1,722	259	1,131	2,575	469	50	687	938
Luxembourg.....	199	0	0	-200	0	-553	45	(*)	0	2	0	503	1	-9	52	-147
Netherlands.....	23,371	663	(D)	12,056	1,035	3,101	277	622	1,027	117	1,052	7,555	651	253	825	(D)
Norway.....	10,140	7,270	(*)	1,499	7	109	4	237	58	17	1	582	23	24	122	621
Poland.....	1,758	-2	15	1,546	254	151	45	14	4	(*)	235	110	-201	35	72	183
Portugal.....	2,040	(*)	(*)	803	146	116	8	32	18	13	292	788	(D)	-24	98	(D)
Russia.....	319	155	0	246	68	80	27	7	6	4	14	39	89	10	23	-244
Spain.....	9,939	22	28	6,799	596	1,649	743	410	401	290	1,577	1,542	341	-27	481	752
Sweden.....	6,222	0	0	2,992	(D)	420	82	288	328	(D)	1,239	1,695	324	163	332	715
Switzerland.....	9,387	23	0	3,974	(D)	653	36	179	705	150	66	4,393	379	-610	278	950
Turkey.....	1,505	2	17	1,062	48	311	65	(*)	-2	7	97	291	8	13	31	81
United Kingdom.....	110,643	9,608	(D)	52,436	(D)	6,448	1,973	3,639	3,385	(D)	6,406	8,031	(D)	8,913	9,539	11,384
Other.....	2,857	1,814	(D)	572	(D)	30	(D)	13	1	60	41	244	19	21	117	(D)
Latin America and Other Western Hemisphere	70,401	7,395	2,189	36,570	3,695	7,960	1,408	2,479	1,682	839	8,144	6,840	4,389	5,385	2,282	5,352
South America.....	37,913	5,975	1,773	19,061	2,189	4,369	908	1,913	479	223	3,114	2,994	3,620	1,330	1,468	1,693
Argentina.....	7,224	1,589	510	3,494	487	753	81	55	24	-27	336	479	456	114	155	425
Brazil.....	19,413	329	991	12,734	1,096	2,625	741	1,829	444	225	2,567	843	2,213	876	793	634
Chile.....	2,762	977	(D)	536	56	185	42	5	(*)	7	(D)	486	87	362	54	(D)
Colombia.....	2,816	1,062	1	824	176	286	52	0	(*)	6	48	652	38	-33	65	207
Ecuador.....	381	240	22	91	19	11	-1	0	0	0	27	-14	40	-5	3	3
Peru.....	1,130	735	43	128	16	51	1	0	0	(*)	-1	136	28	10	15	36
Venezuela.....	3,394	804	(D)	1,012	201	440	-7	18	10	12	112	187	708	3	374	(D)
Other.....	794	240	30	242	138	18	(*)	6	0	0	(D)	224	49	3	8	-2
Central America.....	22,290	187	347	16,543	1,440	3,418	415	540	1,196	613	5,033	1,269	(D)	686	447	(D)
Costa Rica.....	528	(*)	0	401	56	44	16	(*)	(D)	43	0	16	(D)	-6	11	(D)
Honduras.....	358	0	(*)	222	44	5	0	0	0	2	(D)	51	(*)	4	0	80
Mexico.....	20,180	136	162	15,491	1,289	3,288	402	539	1,025	568	5,003	908	249	675	427	2,132
Panama.....	353	17	42	49	4	19	0	0	0	0	(D)	94	(*)	10	4	138
Other.....	871	34	143	380	47	62	-3	0	(D)	0	0	201	(D)	3	5	(D)
Other Western Hemisphere.....	10,199	1,233	69	966	66	173	85	26	7	4	-4	2,577	(D)	3,369	367	(D)
Barbados.....	1,986	84	0	43	7	3	0	7	1	4	-4	253	9	1,423	141	33
Bermuda.....	4,295	-4	(*)	18	(*)	(*)	0	18	(*)	0	0	1,928	-27	949	25	1,407
Dominican Republic.....	905	0	32	340	30	44	3	0	0	0	0	69	(D)	(*)	2	(D)
United Kingdom Islands, Caribbean.....	750	312	-9	181	11	0	31	1	5	0	0	-66	28	412	192	-299
Other.....	2,262	842	46	385	18	126	50	(*)	(*)	0	0	393	-1	586	6	5
Africa	13,877	10,076	-1	1,695	104	604	155	169	9	76	226	1,552	-141	47	218	431
Egypt.....	1,364	1,066	0	119	15	73	9	92	0	-1	-3	65	2	5	2	105
Nigeria.....	5,266	5,175	0	26	0	-1	0	0	0	0	0	40	0	(*)	6	19
South Africa.....	2,241	-11	0	1,121	(D)	443	(D)	75	9	75	218	916	-121	25	202	110
Other.....	5,005	3,846	-1	429	(D)	89	(D)	2	(*)	2	12	532	-22	17	8	197
Middle East	6,910	3,495	0	1,644	114	86	14	105	1,215	-3	-3	528	558	110	407	168
Israel.....	2,724	(*)	0	1,514	(D)	34	2	78	1,213	-3	-3	302	(D)	-10	(D)	(D)
Saudi Arabia.....	408	108	0	54	0	24	10	19	1	0	(*)	62	(D)	10	55	(D)
United Arab Emirates.....	1,187	881	0	46	0	29	0	0	0	0	(*)	140	1	51	56	11
Other.....	2,591	2,506	0	31	(D)	(*)	1	8	0	0	0	23	4	59	(D)	(D)
Asia and Pacific	108,927	12,247	2,756	52,021	2,101	8,971	2,130	2,408	16,202	922	2,693	16,801	3,205	5,967	9,577	6,352
Australia.....	18,646	2,805	924	8,413	1,331	981	1,561	341	248	41	1,509	1,510	813	667	1,644	1,870
China.....	5,516	424	82	4,398	146	899	170	211	2,043	343	138	228	17	(D)	172	(D)
Hong Kong.....	8,270	(*)	(D)	1,453	2	131	(D)	156	774	138	23	3,048	295	1,316	683	(D)
India.....	1,642	222	145	850	35	208	(D)	167	53	12	84	361	-10	-57	121	11
Indonesia.....	6,371	5,782	129	276	3	147	7	-2	-7	16	5	37	(*)	20	72	55
Japan.....	36,277	3	0	18,082	74	4,032	159	674	2,964	116	189	7,550	1,546	1,893	5,378	1,825
Korea, Republic of.....	4,134	(*)	0	2,245	98	407	25	344	472	-1	323	780	170	302	439	197
Malaysia.....	4,349	1,331	-1	2,524	16	162	2	27	1,875	31	9	232	17	71	160	15
New Zealand.....	1,605	60	136	605	(D)	67	20	14	-1	2	4	509	81	53	117	44
Philippines.....	2,372	(*)	194	1,462	129	313	3	57	678	58	(D)	175	26	205	73	236
Singapore.....	10,730	52	0	7,875	18	810	24	189	5,647	140	264	1,259	194	457	400	492
Taiwan.....	3,936	(*)	0	1,789	79	555	42	171	630	20	(D)	830	54	855	128	280
Thailand.....	3,816	1,042	1	1,926	70	214	31	58	824	5	-21	156	2	162	182	345
Other.....	1,264	525	(D)	122	(D)	46	(*)	1	1	0	8	125	(*)	(D)	9	

SUBJECT GUIDE

VOLUME 82 (2002)

This guide lists the major items that were published in the SURVEY OF CURRENT BUSINESS in the January–December 2002 issues. It gives the month of the issue and the beginning page number, and it includes selected boxes that are cited by title and page number.

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January	U.S. International Trade in Goods and Services, November 2002*	Jan. 17	8:30 a.m.
	State Personal Income, 3rd quarter 2002	Jan. 24	9:00 a.m.
	Gross Domestic Product, 4th quarter 2002 (advance)	Jan. 30	8:30 a.m.
	Personal Income and Outlays, December 2002	Jan. 31	8:30 a.m.
February	U.S. International Trade in Goods and Services, December 2002*	Feb. 20	8:30 a.m.
	Gross Domestic Product, 4th quarter 2002 (preliminary)	Feb. 28	8:30 a.m.
March	Personal Income and Outlays, January 2003	Mar. 3	8:30 a.m.
	U.S. International Trade in Goods and Services, January 2003*	Mar. 12	8:30 a.m.
	U.S. International Transactions, 4th quarter 2002	Mar. 14	8:30 a.m.
	Gross Domestic Product, 4th quarter 2002 (final) and Corporate Profits, 4th quarter 2002	Mar. 27	8:30 a.m.
	Personal Income and Outlays, February 2003	Mar. 28	8:30 a.m.
April	U.S. International Trade in Goods and Services, February 2003*	April 10	8:30 a.m.
	State Personal Income, 4th quarter 2002 and Per Capita Personal Income, 2002 (preliminary)	April 23	9:00 a.m.
	Gross Domestic Product, 1st quarter 2003 (advance)	April 25	8:30 a.m.
	Personal Income and Outlays, March 2003	April 28	8:30 a.m.
May	Local Area Personal Income, 1999–2001	May 6	9:00 a.m.
	U.S. International Trade in Goods and Services, March 2003*	May 13	8:30 a.m.
	Gross State Product by Industry, 1999–2001	May 22	9:00 a.m.
	Gross Domestic Product, 1st quarter 2003 (preliminary) and Corporate Profits, 1st quarter 2003 (preliminary)	May 29	8:30 a.m.
	Personal Income and Outlays, April 2003	May 30	8:30 a.m.
June	Foreign Investors' Spending to Acquire or Establish U.S. Businesses, 2002	June 3	10:00 a.m.
	U.S. International Trade in Goods and Services, April 2003*	June 13	8:30 a.m.
	U.S. International Transactions, 1st quarter 2003	June 19	8:30 a.m.
	Gross Domestic Product, 1st quarter 2003 (final) and Corporate Profits, 1st quarter 2003 (revised)	June 26	8:30 a.m.
	Personal Income and Outlays, May 2003	June 27	8:30 a.m.
International Investment Position of the United States, 2002	June 30	10:00 a.m.	
July	U.S. International Trade in Goods and Services, May 2003*	July 11	8:30 a.m.
	State Personal Income, 1st quarter 2003	July 23	9:00 a.m.
	Gross Domestic Product, 2nd quarter 2003 (advance)	July 31	8:30 a.m.
August	Personal Income and Outlays, June 2003	Aug. 1	8:30 a.m.
	U.S. International Trade in Goods and Services, June 2003*	Aug. 14	8:30 a.m.
	Gross Domestic Product, 2nd quarter 2003 (preliminary) and Corporate Profits, 2nd quarter 2003 (preliminary)	Aug. 28	8:30 a.m.
	Personal Income and Outlays, July 2003	Aug. 29	8:30 a.m.
September	U.S. International Trade in Goods and Services, July 2003*	Sept. 11	8:30 a.m.
	U.S. International Transactions, 2nd quarter 2003	Sept. 15	8:30 a.m.
	Gross Domestic Product, 2nd quarter 2003 (final) and Corporate Profits, 2nd quarter 2003 (revised)	Sept. 26	8:30 a.m.
Personal Income and Outlays, August 2003	Sept. 29	8:30 a.m.	
October	U.S. International Trade in Goods and Services, August 2003*	Oct. 10	8:30 a.m.
	State Personal Income, 2nd quarter 2003	Oct. 23	9:00 a.m.
	Gross Domestic Product, 3rd quarter 2003 (advance)	Oct. 30	8:30 a.m.
	Personal Income and Outlays, September 2003	Oct. 31	8:30 a.m.
November	U.S. International Trade in Goods and Services, September 2003*	Nov. 13	8:30 a.m.
	Gross Domestic Product, 3rd quarter 2003 (preliminary) and Corporate Profits, 3rd quarter 2003 (preliminary)	Nov. 25	8:30 a.m.
	Personal Income and Outlays, October 2003	Nov. 26	8:30 a.m.
December	U.S. International Trade in Goods and Services, October 2003*	Dec. 12	8:30 a.m.
	U.S. International Transactions, 3rd quarter 2003	Dec. 16	8:30 a.m.
	Gross Domestic Product, 3rd quarter 2003 (final) and Corporate Profits, 3rd quarter 2003 (revised)	Dec. 23	8:30 a.m.
	Personal Income and Outlays, November 2003	Dec. 23	10:00 a.m.

*Joint release by Bureau of the Census and the Bureau of Economic Analysis.

BEA Current and Historical Data

National, International, and Regional Data

This section presents an extensive selection of economic statistics prepared by the Bureau of Economic Analysis (BEA) and a brief selection of collateral statistics prepared by other Government agencies and private organizations. Series that originate in Government agencies are not copyrighted and may be reprinted freely. Series from private sources are provided through the courtesy of the compilers and are subject to their copyrights.

BEA's economic statistics are available on BEA's Web site at <www.bea.gov>. The site contains data, articles, news releases, and other information from BEA's national, industry, international, and regional programs.

The tables present annual [A], quarterly [Q], and monthly [M] data

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National Data

A. Selected NIPA Tables

The tables in this section include the most recent estimates of gross domestic product and its components; these estimates were released on November 26, 2002 and include the "preliminary" estimates for the third quarter of 2002.

The selected set of NIPA tables shown in this section presents quarterly estimates, which are updated monthly. In most of these tables, annual estimates are also shown.

The news release on gross domestic product is available within minutes of the time of release, and the "Selected NIPA Tables" are available later that day, on BEA's Web site <www.bea.gov>.

The "Selected NIPA Tables" are also available on printouts or diskettes from BEA. To order NIPA subscription products, call the BEA Order Desk at 1-800-704-0415 (outside the United States, 202-606-9666).

NOTE: Effective November 26, 2002, the chained-dollar estimates of nonfinancial corporate business beginning with 1999 have been revised to incorporate newly available price deflators. These revisions affected the estimates in NIPA tables 1.16 and 7.15. For more information, see "Updated NIPA Tables" in this issue.

S. Summary Tables

Table S.1. Summary of Percent Change From Preceding Period in Real Gross Domestic Product and Related Measures

	[Percent]						
	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product..	3.8	.3	-3	2.7	5.0	1.3	4.0
Personal consumption expenditures.....	4.4	2.5	1.5	6.0	3.1	1.8	4.1
Durable goods.....	8.2	6.0	4.6	33.6	-6.3	2.0	23.1
Nondurable goods.....	3.9	2.0	1.3	3.6	7.9	-1	.9
Services.....	3.8	2.0	.9	2.1	2.9	2.7	2.2
Gross private domestic investment.....	6.2	-10.7	-5.2	-17.3	18.2	7.9	3.1
Fixed investment.....	6.1	-3.8	-4.3	-8.9	-5	-1.0	.1
Nonresidential.....	7.8	-5.2	-6.0	-10.9	-5.8	-2.4	-.7
Structures.....	6.5	-1.7	2.9	-30.1	-14.2	-17.6	-20.6
Equipment and software.....	8.2	-6.4	-9.2	-2.5	-2.7	3.3	6.6
Residential.....	1.1	.3	.4	-3.5	14.2	2.7	2.1
Change in private inventories.....							
Net exports of goods and services.....	9.7	-5.4	-17.3	-9.6	3.5	14.3	3.3
Exports.....	11.3	-5.9	-18.6	-7.9	-3.4	15.9	4.3
Goods.....	6.0	-4.0	-13.9	-13.8	21.7	10.7	1.1
Imports.....	13.2	-2.9	-11.8	-5.3	8.5	22.2	2.3
Goods.....	13.5	-3.3	-9.6	-3.3	3.7	27.9	4.1
Services.....	11.6	-5	-23.2	-16.5	35.7	-2.1	-6.1
Government consumption expenditures and gross investment.....	2.7	3.7	-1.1	10.5	5.6	1.4	3.1
Federal.....	1.3	4.8	1.2	13.5	7.4	7.5	4.3
National defense.....	-1	5.0	4.6	14.3	11.6	7.8	7.1
Nondefense.....	3.6	4.5	-4.5	12.1	.4	6.9	-.7
State and local.....	3.5	3.1	-2.3	8.9	4.6	-1.7	2.4
Addenda:							
Final sales of domestic product.....	3.7	1.5	-.2	4.2	2.4	-.1	3.5
Gross domestic purchases..	4.4	.4	-.1	2.9	5.6	2.6	3.8
Final sales to domestic purchasers.....	4.3	1.6	-.1	4.3	3.0	1.3	3.4
Gross national product.....	3.7	.2	-1.1	3.7	3.7	.4	4.2
Disposable personal income	4.8	1.8	10.5	-7.6	14.5	3.6	2.9

NOTE: Percent changes from preceding period in the current-dollar and price measures for these series are shown in table 8.1.

Table S.2. Summary of Contributions to Percent Change in Real Gross Domestic Product

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Percent change at annual rate:							
Gross domestic product.....	3.8	.3	-.3	2.7	5.0	1.3	4.0
Percentage points at annual rates:							
Personal consumption expenditures.....	2.94	1.67	.97	4.05	2.22	1.22	2.90
Durable goods.....	.65	.48	.36	2.45	-.55	.16	1.76
Nondurable goods.....	.77	.39	.25	.73	1.57	-.02	.20
Services.....	1.51	.80	.35	.87	1.20	1.08	.94
Gross private domestic investment.....	1.08	-1.90	-.81	-2.88	2.53	1.16	.48
Fixed investment.....	1.03	-.65	-.72	-1.49	-.07	-.15	.03
Nonresidential.....	.98	-.66	-.73	-1.33	-.66	-.27	-.07
Structures.....	.20	-.05	.10	-1.12	-.44	-.53	-.59
Equipment and software.....	.78	-.61	-.83	-.21	-.22	.26	.52
Residential.....	.05	.01	.02	-.16	.60	.12	.10
Change in private inventories.....	.06	-1.24	-.09	-1.39	2.60	1.31	.45
Net exports of goods and services.....	-.75	-.18	-.24	-.28	-.75	-1.40	.00
Exports.....	1.04	-.59	-1.94	-.99	.33	1.29	.33
Goods.....	.85	-.47	-1.49	-.56	-.23	.99	.29
Services.....	.19	-.13	-.45	-.42	.56	.30	.04
Imports.....	-1.79	.42	1.70	.70	-1.08	-2.69	-.33
Goods.....	-1.54	.40	1.17	.37	-.40	-2.74	-.47
Services.....	-.24	.01	.53	.33	-.68	.05	.15
Government consumption expenditures and gross investment.....	.49	.65	-.21	1.85	1.04	.27	.58
Federal.....	.08	.29	.07	.80	.47	.47	.28
National defense.....	.00	.19	.18	.54	.46	.32	.30
Nondefense.....	.08	.10	-.11	.26	.01	.16	-.01
State and local.....	.41	.36	-.28	1.05	.56	-.21	.30

NOTE: More detailed contributions to percent change in real gross domestic product are shown in table 8.2. Contributions to percent change in major components of real gross domestic product are shown in tables 8.3 through 8.6.

1. National Product and Income

Table 1.1. Gross Domestic Product
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product	9,824.6	10,082.2	10,097.7	10,152.9	10,313.1	10,376.9	10,503.7
Personal consumption expenditures	6,683.7	6,987.0	6,983.7	7,099.9	7,174.2	7,254.7	7,360.5
Durable goods	803.9	835.9	824.0	882.6	859.0	856.9	898.3
Nondurable goods	1,972.9	2,041.3	2,044.3	2,044.4	2,085.1	2,108.2	2,116.4
Services	3,906.9	4,109.9	4,115.4	4,172.9	4,230.1	4,289.5	4,345.8
Gross private domestic investment	1,755.4	1,586.0	1,574.9	1,500.7	1,559.4	1,588.0	1,594.2
Fixed investment	1,691.8	1,646.3	1,635.5	1,597.2	1,589.4	1,584.6	1,580.2
Nonresidential	1,265.8	1,201.6	1,188.1	1,149.8	1,126.8	1,115.8	1,110.0
Structures	314.2	324.5	332.0	302.3	288.3	275.2	259.7
Equipment and software	951.6	877.1	856.1	847.4	838.5	840.7	850.3
Residential	426.0	444.8	447.4	447.4	462.6	468.7	470.2
Change in private inventories	63.6	-60.3	-60.6	-96.5	-29.9	3.4	14.0
Net exports of goods and services	-365.5	-348.9	-312.6	-344.5	-360.1	-425.6	-432.6
Exports	1,101.1	1,034.1	1,005.8	971.1	977.5	1,018.1	1,035.4
Goods	785.0	733.5	708.5	687.7	679.8	709.4	722.9
Services	316.1	300.6	297.3	283.4	297.7	308.8	312.5
Imports	1,466.6	1,383.0	1,318.4	1,315.6	1,337.5	1,443.7	1,468.0
Goods	1,243.1	1,167.2	1,140.6	1,098.3	1,102.3	1,202.9	1,223.1
Services	223.5	215.8	177.8	217.3	235.2	240.8	244.9
Government consumption expenditures and gross investment	1,751.0	1,858.0	1,851.7	1,896.8	1,939.5	1,959.8	1,981.7
Federal	589.2	628.1	627.4	646.9	672.0	688.2	697.5
National defense	374.9	399.9	400.3	412.8	431.7	442.1	451.3
Nondefense	214.3	228.2	227.2	234.1	240.3	246.1	246.2
State and local	1,161.8	1,229.9	1,224.3	1,249.8	1,267.5	1,271.6	1,284.2

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

Table 1.2. Real Gross Domestic Product
[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product ..	9,191.4	9,214.5	9,186.4	9,248.8	9,363.2	9,392.4	9,484.0
Personal consumption expenditures	6,223.9	6,377.2	6,370.9	6,464.0	6,513.8	6,542.4	6,609.2
Durable goods	878.9	931.9	922.6	992.0	975.9	980.7	1,033.0
Nondurable goods	1,833.8	1,869.8	1,868.3	1,885.0	1,921.4	1,920.9	1,925.3
Services	3,524.5	3,594.9	3,597.5	3,616.6	3,642.2	3,666.2	3,686.4
Gross private domestic investment	1,762.9	1,574.6	1,562.7	1,490.3	1,554.0	1,583.9	1,596.0
Fixed investment	1,691.9	1,627.4	1,615.7	1,578.4	1,576.4	1,572.6	1,573.1
Nonresidential	1,324.2	1,255.1	1,241.7	1,206.4	1,188.4	1,181.1	1,179.0
Structures	275.5	270.9	276.3	252.7	243.2	231.7	218.7
Equipment and software	1,056.0	988.2	966.4	960.3	953.7	961.4	976.8
Residential	372.4	373.5	374.3	371.0	383.6	386.1	388.1
Change in private inventories	65.0	-61.4	-61.8	-98.4	-28.9	4.9	15.5
Net exports of goods and services	-398.8	-415.9	-419.0	-425.3	-446.6	-487.4	-487.5
Exports	1,137.2	1,076.1	1,048.0	1,021.8	1,030.6	1,065.5	1,074.3
Goods	834.7	785.2	760.0	744.6	738.1	765.8	773.9
Services	304.1	292.0	288.7	278.2	292.2	299.7	300.6
Imports	1,536.0	1,492.0	1,467.0	1,447.2	1,477.1	1,552.9	1,561.8
Goods	1,313.7	1,270.5	1,249.2	1,238.7	1,250.0	1,329.2	1,342.6
Services	223.6	222.4	218.6	208.9	225.5	224.3	220.8
Government consumption expenditures and gross investment	1,582.5	1,640.4	1,633.3	1,674.5	1,697.3	1,703.3	1,716.2
Federal	544.4	570.6	568.9	587.2	597.8	608.7	615.1
National defense	348.7	366.0	365.5	378.0	388.5	395.8	402.7
Nondefense	195.6	204.4	203.2	209.1	209.3	212.9	212.5
State and local	1,037.4	1,069.4	1,064.1	1,087.1	1,099.3	1,094.7	1,101.2
Residual	2.1	22.6	29.1	20.2	20.2	25.1	12.7

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Percent changes from preceding period for selected items in this table are shown in table 8.1; contributions to the percent change in real gross domestic product are shown in table 8.2.

Chain-type quantity indexes for the series in this table are shown in table 7.1.

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Table 1.3. Gross Domestic Product by Major Type of Product
(Billions of dollars)

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product	9,824.6	10,082.2	10,097.7	10,152.9	10,313.1	10,376.9	10,503.7
Final sales of domestic product ..	9,761.1	10,142.5	10,158.3	10,249.4	10,343.0	10,373.5	10,489.7
Change in private inventories.....	63.6	-60.3	-60.6	-96.5	-29.9	3.4	14.0
Goods	3,651.0	3,593.7	3,568.6	3,599.1	3,664.2	3,659.1	3,727.2
Final sales.....	3,587.4	3,654.0	3,629.2	3,695.5	3,694.1	3,655.7	3,713.2
Change in private inventories.....	63.6	-60.3	-60.6	-96.5	-29.9	3.4	14.0
Durable goods.....	1,735.0	1,611.4	1,582.6	1,594.1	1,621.2	1,612.0	1,682.7
Final sales.....	1,690.9	1,676.4	1,647.9	1,689.1	1,641.5	1,616.8	1,677.5
Change in private inventories ¹	44.1	-65.0	-65.2	-95.0	-20.3	-4.8	5.1
Nondurable goods.....	1,915.9	1,982.3	1,986.0	2,005.0	2,042.9	2,047.1	2,044.5
Final sales.....	1,896.5	1,977.6	1,981.3	2,006.4	2,052.6	2,038.9	2,035.7
Change in private inventories ¹	19.4	4.7	4.7	-1.5	-9.7	8.2	8.8
Services	5,259.2	5,535.1	5,579.4	5,613.1	5,696.6	5,781.5	5,851.3
Structures	914.5	953.3	949.7	940.7	952.3	936.3	925.2
Addenda:							
Motor vehicle output	335.4	312.0	315.6	327.7	331.8	334.7	361.3
Gross domestic product less motor vehicle output.....	9,489.3	9,770.2	9,782.1	9,825.2	9,981.3	10,042.1	10,142.4

1. Estimates for durable goods and nondurable goods for 1997 and earlier periods are based on the 1987 Standard Industrial Classification (SIC); later estimates for these industries are based on the North American Industry Classification System (NAICS).

NOTE: Percent changes from preceding period for gross domestic product and for final sales of domestic product 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	9,824.6	10,082.2	10,097.7	10,152.9	10,313.1	10,376.9	10,503.7
<i>Less:</i> Exports of goods and services.....	1,101.1	1,034.1	1,005.8	971.1	977.5	1,018.1	1,035.4
<i>Plus:</i> Imports of goods and services.....	1,466.6	1,383.0	1,318.4	1,315.6	1,337.5	1,443.7	1,468.0
Equals: Gross domestic purchases	10,190.1	10,431.0	10,410.4	10,497.4	10,673.1	10,802.4	10,936.3
<i>Less:</i> Change in private inventories.....	63.6	-60.3	-60.6	-96.5	-29.9	3.4	14.0
Equals: Final sales to domestic purchasers	10,126.6	10,491.4	10,470.9	10,593.9	10,703.1	10,799.0	10,922.3

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	9,824.6	10,082.2	10,097.7	10,152.9	10,313.1	10,376.9	10,503.7
Business ¹	8,311.4	8,482.7	8,484.6	8,525.2	8,656.2	8,700.1	8,806.0
Nonfarm ²	8,233.6	8,402.1	8,402.7	8,443.7	8,567.6	8,631.5	8,728.6
Nonfarm less housing.....	7,435.9	7,571.1	7,566.4	7,601.5	7,712.8	7,757.5	7,859.3
Housing.....	797.8	831.1	836.3	842.1	854.8	874.1	869.3
Farm.....	77.8	80.6	81.9	81.6	88.6	68.6	77.4
Households and institutions	431.1	459.6	465.1	466.6	472.5	481.4	490.8
Private households.....	13.6	11.9	11.6	10.7	10.5	10.7	10.9
Nonprofit institutions.....	417.5	447.7	453.5	455.9	462.0	470.8	479.9
General government ³	1,082.1	1,139.8	1,148.0	1,161.1	1,184.4	1,195.3	1,207.0
Federal.....	323.4	332.8	333.7	334.3	350.1	354.1	357.7
State and local.....	758.7	807.0	814.3	826.8	834.3	841.3	849.3

1. Equals gross domestic product less gross product of households and institutions and of general government.

2. Equals gross domestic business product less gross farm product.

3. Equals compensation of general government employees plus general government consumption of fixed capital as shown in table 3.7.

Table 1.4. Real Gross Domestic Product by Major Type of Product
(Billions of chained (1996) dollars)

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product	9,191.4	9,214.5	9,186.4	9,248.8	9,363.2	9,392.4	9,484.0
Final sales of domestic product.....	9,121.1	9,258.4	9,230.5	9,324.9	9,379.4	9,377.9	9,458.8
Change in private inventories.....	65.0	-61.4	-61.8	-98.4	-28.9	4.9	15.5
Residual.....	5.3	17.5	17.7	22.3	12.7	9.6	9.7
Goods	3,674.3	3,589.9	3,560.3	3,598.2	3,670.8	3,674.4	3,749.5
Final sales.....	3,603.7	3,643.3	3,613.8	3,686.8	3,693.4	3,663.0	3,726.2
Change in private inventories.....	65.0	-61.4	-61.8	-98.4	-28.9	4.9	15.5
Durable goods.....	1,870.4	1,754.9	1,727.0	1,741.7	1,781.1	1,784.6	1,872.1
Final sales.....	1,821.1	1,823.9	1,796.1	1,843.8	1,801.6	1,787.6	1,863.8
Change in private inventories.....	46.0	-67.9	-68.5	-99.3	-20.3	-4.4	5.6
Nondurable goods.....	1,813.2	1,834.2	1,830.5	1,853.1	1,886.8	1,887.2	1,883.4
Final sales.....	1,791.2	1,825.6	1,821.9	1,849.1	1,890.7	1,874.5	1,869.2
Change in private inventories ¹	19.5	4.8	4.9	-8	-8.8	9.0	9.8
Services	4,728.9	4,826.4	4,830.9	4,869.1	4,903.2	4,945.5	4,977.2
Structures	797.9	797.1	791.8	780.5	792.1	774.9	766.2
Residual.....	-13.2	4.6	9.3	6.4	4.7	5.3	-7.8
Addenda:							
Motor vehicle output.....	336.5	315.9	320.2	332.6	340.5	347.2	376.1
Gross domestic product less motor vehicle output.....	8,854.8	8,896.6	8,864.5	8,915.7	9,022.6	9,045.9	9,111.9

1. Estimates for durable goods and nondurable goods for 1997 and earlier periods are based on the 1987 Standard Industrial Classification (SIC); later estimates for these industries are based on the North American Industry Classification System (NAICS).

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line following change in private inventories is the difference between gross domestic product and the sum of final sales of domestic product and of change in private inventories; the residual line following structures is the difference between gross domestic product and the sum of the detailed lines of goods, of services, and of structures.

Percent changes from preceding period for gross domestic product and for final sales of domestic product are shown in table 8.1.

Chain-type quantity indexes for the series in this table are shown in table 7.17.

Table 1.6. Relation of Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers
(Billions of chained (1996) dollars)

Gross domestic product	9,191.4	9,214.5	9,186.4	9,248.8	9,363.2	9,392.4	9,484.0
<i>Less:</i> Exports of goods and services.....	1,137.2	1,076.1	1,048.0	1,021.8	1,030.6	1,065.5	1,074.3
<i>Plus:</i> Imports of goods and services.....	1,536.0	1,492.0	1,467.0	1,447.2	1,477.1	1,552.9	1,561.8
Equals: Gross domestic purchases	9,561.2	9,600.7	9,575.8	9,645.3	9,778.2	9,840.8	9,932.7
<i>Less:</i> Change in private inventories.....	65.0	-61.4	-61.8	-98.4	-28.9	4.9	15.5
Equals: Final sales to domestic purchasers	9,490.7	9,644.9	9,620.3	9,722.3	9,794.4	9,826.0	9,907.3

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Percent changes from preceding period for selected series in this table are shown in table 8.1.

Chain-type quantity indexes for selected series in this table are shown in table 7.2.

Table 1.8. Real Gross Domestic Product by Sector
(Billions of chained (1996) dollars)

Gross domestic product	9,191.4	9,214.5	9,186.4	9,248.8	9,363.2	9,392.4	9,484.0
Business ¹	7,846.8	7,838.3	7,803.4	7,859.4	7,966.9	7,989.2	8,073.4
Nonfarm ²	7,729.2	7,724.7	7,693.9	7,739.2	7,849.1	7,876.8	7,959.3
Nonfarm less housing.....	7,019.1	7,012.9	6,980.8	7,032.2	7,140.4	7,157.0	7,250.8
Housing.....	711.0	712.6	713.5	708.3	710.9	721.0	711.8
Farm.....	120.5	114.3	108.3	124.4	119.8	110.8	112.9
Households and institutions	388.9	398.7	400.4	401.0	403.4	406.4	409.2
Private households.....	12.0	10.1	9.8	9.0	8.7	8.8	8.9
Nonprofit institutions.....	376.9	388.7	390.6	392.0	394.8	397.7	400.4
General government ³	958.6	978.5	982.9	988.9	994.3	998.1	1,003.2
Federal.....	289.4	291.3	291.6	292.0	294.3	296.0	298.6
State and local.....	669.0	687.0	691.0	696.5	699.7	701.7	704.3
Residual.....	-6.5	-2.4	.8	-5.6	-5.4	-6	-3.7

1. Equals gross domestic product less gross product of households and institutions and of general government.

2. Equals gross domestic business product less gross farm product.

3. Equals compensation of general government employees plus general government consumption of fixed capital as shown in table 3.8.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table are shown in table 7.14.

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

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product	9,824.6	10,082.2	10,097.7	10,152.9	10,313.1	10,376.9	10,503.7
<i>Plus:</i> Income receipts from the rest of the world	383.4	316.9	302.0	269.0	264.7	276.0	283.5
<i>Less:</i> Income payments to the rest of the world	360.0	295.0	290.5	233.7	262.8	296.1	296.4
Equals: Gross national product	9,848.0	10,104.1	10,109.3	10,188.1	10,314.9	10,356.8	10,490.8
<i>Less:</i> Consumption of fixed capital	1,228.9	1,329.3	1,381.8	1,338.6	1,363.5	1,389.8	1,404.8
Private	1,018.0	1,106.8	1,153.8	1,114.4	1,136.9	1,161.2	1,174.4
Capital consumption allowances	1,037.1	1,168.4	1,180.3	1,331.9	1,324.0	1,322.0	1,317.9
<i>Less:</i> consumption adjustment	19.1	61.6	26.5	217.5	187.0	160.8	143.5
Government	210.9	222.4	227.9	224.2	226.5	228.6	230.4
General government	179.5	187.7	188.4	190.4	192.5	194.1	195.7
Government enterprises	31.5	34.8	39.6	33.8	34.0	34.4	34.8
Equals: Net national product	8,619.1	8,774.8	8,727.5	8,849.5	8,951.5	8,967.0	9,086.0
<i>Less:</i> Indirect business tax and nontax liability Business transfer payments	43.7	42.5	42.6	42.8	43.8	43.9	44.4
Statistical discrepancy	-128.5	-117.3	-117.8	-132.6	-110.0	-164.6	-129.0
<i>Plus:</i> Subsidies less current surplus of government enterprises	34.1	47.3	59.1	37.5	37.0	35.1	29.0
Equals: National income	7,984.4	8,122.0	8,089.1	8,196.8	8,268.5	8,327.7	8,391.6
<i>Less:</i> Corporate profits with inventory valuation and capital consumption adjustments	788.1	731.6	687.2	811.4	797.6	785.0	770.9
Net interest	611.5	649.8	648.3	653.9	672.8	678.1	691.8
Contributions for social insurance	701.3	726.1	727.4	725.8	740.4	746.0	752.2
Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
<i>Plus:</i> Personal interest income	1,077.0	1,091.3	1,086.4	1,072.9	1,069.9	1,082.3	1,082.8
Personal dividend income	375.7	409.2	411.0	417.3	423.7	430.3	437.3
Government transfer payments to persons	1,037.3	1,137.0	1,148.9	1,171.0	1,217.4	1,247.7	1,263.0
Business transfer payments to persons	33.0	33.4	33.6	34.0	34.6	34.9	35.3
Equals: Personal income	8,406.6	8,685.3	8,706.2	8,700.9	8,803.4	8,913.7	8,995.0
Addenda:							
Gross domestic income	9,953.1	10,199.4	10,215.6	10,285.5	10,423.1	10,541.5	10,632.7
Gross national income	9,976.5	10,221.4	10,227.1	10,320.7	10,424.9	10,521.4	10,619.8
Net domestic product	8,595.7	8,752.9	8,716.0	8,814.3	8,949.6	8,987.0	9,098.9

Table 1.10. Relation of Real Gross Domestic Product, Real Gross National Product, and Real Net National Product

[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross domestic product	9,191.4	9,214.5	9,186.4	9,248.8	9,363.2	9,392.4	9,484.0
<i>Plus:</i> Income receipts from the rest of the world	359.0	292.0	278.1	247.4	242.8	251.8	257.7
<i>Less:</i> Income payments to the rest of the world	333.6	269.2	264.9	213.1	239.2	268.2	267.7
Equals: Gross national product	9,216.2	9,237.3	9,199.8	9,283.5	9,367.5	9,376.7	9,474.6
<i>Less:</i> Consumption of fixed capital	1,226.1	1,320.8	1,378.1	1,333.5	1,357.9	1,390.9	1,417.0
Private	1,024.0	1,110.7	1,163.0	1,122.2	1,144.8	1,176.2	1,200.9
Government	202.5	210.9	216.1	212.1	214.0	215.8	217.5
General government	173.3	179.2	179.9	181.5	183.2	184.7	186.1
Government enterprises	29.2	31.7	36.0	30.6	30.9	31.1	31.3
Equals: Net national product	7,994.4	7,928.1	7,838.8	7,961.1	8,022.0	8,001.6	8,074.9
Addenda:							
Gross domestic income ¹	9,311.6	9,321.7	9,293.6	9,369.5	9,463.1	9,541.4	9,600.4
Gross national income ²	9,336.4	9,344.5	9,307.1	9,404.2	9,467.4	9,525.7	9,591.0
Net domestic product	7,969.7	7,905.4	7,825.3	7,926.7	8,017.7	8,017.0	8,084.1

1. Gross domestic income deflated by the implicit price deflator for gross domestic product.

2. Gross national income deflated by the implicit price deflator for gross national product.

NOTE: Except as noted in footnotes 1 and 2, chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

The chain-type quantity index for gross national product is shown in table 7.3.

Table 1.11. Command-Basis Real Gross National Product

[Billions of chained (1996) dollars]

Gross national product	9,216.2	9,237.3	9,199.8	9,283.5	9,367.5	9,376.7	9,474.6
<i>Less:</i> Exports of goods and services and income receipts from the rest of the world ...	1,498.9	1,366.5	1,324.1	1,264.7	1,268.0	1,311.9	1,327.0
<i>Plus:</i> Command-basis exports of goods and services and income receipts from the rest of the world ¹	1,516.6	1,410.0	1,400.2	1,314.9	1,321.2	1,345.6	1,358.2
Equals: Command-basis gross national product	9,233.9	9,280.9	9,275.9	9,333.7	9,420.6	9,410.3	9,505.7
Addendum:							
Terms of trade ²	101.2	103.2	105.7	104.0	104.2	102.6	102.4

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

2. Ratio of the implicit price deflator for exports of goods and services and income receipts to the corresponding implicit price deflator for imports divided by 100.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Percent changes from preceding period for gross national product are shown in table 8.1.

Chain-type quantity indexes for the series in this table are shown in table 7.3.

Table 1.14. National Income by Type of Income

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
National income	7,984.4	8,122.0	8,089.1	8,196.8	8,268.5	8,327.7	8,391.6
Compensation of employees	5,723.4	5,874.9	5,880.4	5,860.9	5,908.4	5,963.5	6,024.7
Wage and salary accruals....	4,836.3	4,950.6	4,953.7	4,931.4	4,957.8	4,997.0	5,041.9
Government	768.9	810.8	817.1	825.2	840.4	848.4	857.1
Other	4,067.4	4,139.8	4,136.6	4,106.2	4,117.4	4,148.6	4,184.8
Supplements to wages and salaries	887.1	924.3	926.7	929.4	950.7	966.6	982.8
Employer contributions for social insurance	342.9	353.9	354.3	353.2	359.9	362.5	365.3
Other labor income	544.2	570.4	572.4	576.3	590.8	604.1	617.5
Proprietors' income with inventory valuation and capital consumption adjustments	714.8	727.9	732.4	731.3	748.4	747.5	759.2
Farm	22.6	19.0	19.3	19.2	21.7	7.5	10.7
Proprietors' income with inventory valuation adjustment	30.2	26.7	27.0	27.1	30.0	16.1	19.6
Capital consumption adjustment	-7.6	-7.7	-7.7	-7.8	-8.2	-8.7	-8.9
Nonfarm	692.2	708.8	713.1	712.1	726.7	740.0	748.4
Proprietors' income	621.2	621.6	628.8	594.1	612.5	626.9	635.4
Inventory valuation adjustment	-1.6	.9	1.5	3.6	-2	-1.1	-1.7
Capital consumption adjustment	72.6	86.3	82.8	114.3	114.4	114.2	114.7
Rental income of persons with capital consumption adjustment	146.6	137.9	140.8	139.3	141.3	153.5	145.0
Rental income of persons....	206.6	204.4	206.5	206.9	209.1	221.9	215.0
Capital consumption adjustment	-60.0	-66.5	-65.6	-67.6	-67.8	-68.4	-70.0
Corporate profits with inventory valuation and capital consumption adjustments	788.1	731.6	687.2	811.4	797.6	785.0	770.9
Corporate profits with inventory valuation adjustment	767.3	675.1	663.2	626.3	641.3	652.2	653.3
Profits before tax	782.3	670.2	654.3	599.1	639.4	657.9	668.5
Profits tax liability	259.4	199.3	196.2	170.6	202.4	213.7	214.8
Profits after tax	522.9	470.9	458.1	428.5	437.0	444.3	453.7
Dividends	376.1	409.6	411.4	417.7	424.2	430.8	437.7
Undistributed profits	146.8	61.2	46.7	10.8	12.8	13.5	16.0
Inventory valuation adjustment	-15.0	5.0	8.9	27.2	1.9	-5.7	-15.2
Capital consumption adjustment	20.8	56.5	23.9	185.1	156.3	132.8	117.6
Net interest	611.5	649.8	648.3	653.9	672.8	678.1	691.8
Addenda:							
Corporate profits after tax with inventory valuation and capital consumption adjustments	528.7	532.3	490.9	640.8	595.2	571.3	556.1
Net cash flow with inventory valuation and capital consumption adjustments	873.7	911.8	915.1	1,015.6	979.3	966.7	954.5
Undistributed profits with inventory valuation and capital consumption adjustments	152.6	122.7	79.5	223.0	171.0	140.5	118.4
Consumption of fixed capital	721.1	789.1	835.6	792.6	808.3	826.1	836.1
Less: Inventory valuation adjustment	-15.0	5.0	8.9	27.2	1.9	-5.7	-15.2
Equals: Net cash flow	888.7	906.8	906.2	988.4	977.4	972.4	969.7

Table 1.16. Gross Product of Corporate Business in Current Dollars and Gross Product of Nonfinancial Corporate Business in Current and Chained Dollars

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross product of corporate business	6,049.4	6,117.5	6,107.2	6,153.4	6,249.2	6,320.0	6,368.4
Consumption of fixed capital ..	721.1	789.1	835.6	792.6	808.3	826.1	836.1
Net product	5,328.3	5,328.4	5,271.6	5,360.8	5,440.9	5,493.8	5,532.3
Indirect business tax and nontax liability plus business transfer payments less subsidies..	550.0	565.7	549.9	576.7	582.1	588.8	598.9
Domestic income	4,778.4	4,762.7	4,721.7	4,784.1	4,858.9	4,905.0	4,933.4
Compensation of employees	3,893.9	3,945.6	3,944.5	3,921.6	3,941.7	3,979.2	4,021.1
Wage and salary accruals	3,343.9	3,378.6	3,376.0	3,351.4	3,360.6	3,386.2	3,415.7
Supplements to wages and salaries	549.9	567.0	568.5	570.2	581.1	593.0	605.4
Corporate profits with inventory valuation and capital consumption adjustments	644.8	580.9	545.3	646.7	665.6	669.9	655.0
Profits before tax	639.0	519.4	512.5	434.4	507.4	542.9	552.6
Profits tax liability	259.4	199.3	196.2	170.6	202.4	213.7	214.8
Profits after tax	379.6	320.1	316.3	263.8	305.0	329.2	337.8
Dividends	349.5	383.1	390.2	391.9	402.8	385.1	375.6
Undistributed profits	30.1	-63.0	-73.9	-128.1	-97.9	-56.0	-37.8
Inventory valuation adjustment	-15.0	5.0	8.9	27.2	1.9	-5.7	-15.2
Capital consumption adjustment	20.8	56.5	23.9	185.1	156.3	132.8	117.6
Net interest	239.7	236.3	231.8	215.8	251.6	255.8	257.3
Gross product of financial corporate business	754.4	763.3	741.5	761.8	825.5	831.3	830.4
Gross product of nonfinancial corporate business	5,295.0	5,354.2	5,365.7	5,391.6	5,423.8	5,488.7	5,537.9
Consumption of fixed capital ..	599.4	652.8	684.9	657.0	670.7	685.1	693.7
Net product	4,695.6	4,701.4	4,680.8	4,734.6	4,753.1	4,803.6	4,844.3
Indirect business tax and nontax liability plus business transfer payments less subsidies..	508.9	523.7	508.0	534.3	539.3	545.6	555.0
Domestic income	4,186.6	4,177.7	4,172.8	4,200.3	4,213.9	4,258.0	4,289.3
Compensation of employees	3,542.1	3,573.5	3,572.5	3,551.8	3,570.1	3,604.1	3,642.1
Wage and salary accruals	3,040.1	3,056.4	3,054.1	3,031.8	3,040.2	3,063.3	3,090.0
Supplements to wages and salaries	502.0	517.1	518.4	520.0	529.9	540.8	552.1
Corporate profits with inventory valuation and capital consumption adjustments	461.8	407.4	403.0	449.0	452.4	459.3	451.5
Profits before tax	437.9	328.8	349.8	234.3	289.2	324.4	340.3
Profits tax liability	172.4	123.5	129.4	94.0	119.8	130.8	134.7
Profits after tax	265.5	205.3	220.4	140.3	169.5	193.6	205.6
Dividends	259.6	278.5	283.8	285.2	293.1	280.2	273.3
Undistributed profits	5.9	-73.2	-63.4	-144.9	-123.6	-86.6	-67.7
Inventory valuation adjustment	-15.0	5.0	8.9	27.2	1.9	-5.7	-15.2
Capital consumption adjustment	38.8	73.6	44.3	187.4	161.3	140.6	126.4
Net interest	182.7	196.8	197.3	199.5	191.4	194.6	195.7
Gross product of nonfinancial corporate business ¹	5,148.3	5,141.8	5,121.3	5,189.3	5,231.3	5,298.5	5,354.3
Consumption of fixed capital ²	616.7	671.9	702.9	681.0	695.2	715.4	731.4
Net product ³	4,531.5	4,469.9	4,418.4	4,508.4	4,536.0	4,583.0	4,622.9

1. Effective November 26, 2002, chained-dollar gross product of nonfinancial corporate business beginning with 1999 has been revised to reflect revisions to the gross product price indexes for nonfinancial industries.

2. Chained-dollar consumption of fixed capital of nonfinancial corporate business is calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100.

3. Chained-dollar net product of nonfinancial corporate business is the difference between the gross product and the consumption of fixed capital.

2. Personal Income and Outlays

Table 2.1. Personal Income and Its Disposition

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Personal income	8,406.6	8,685.3	8,706.2	8,700.9	8,803.4	8,913.7	8,995.0
Wage and salary disbursements	4,836.3	4,950.6	4,953.7	4,931.4	4,957.8	4,997.0	5,041.9
Private industries	4,067.4	4,139.8	4,136.6	4,106.2	4,117.4	4,148.6	4,184.8
Goods-producing industries	1,163.7	1,142.4	1,140.0	1,123.3	1,116.9	1,118.9	1,121.5
Manufacturing	829.4	789.4	783.4	769.9	759.4	761.5	760.9
Distributive industries ..	1,094.8	1,109.2	1,110.8	1,098.6	1,110.1	1,119.3	1,123.9
Service industries	1,808.9	1,888.2	1,885.8	1,884.3	1,890.4	1,910.5	1,939.4
Government	768.9	810.8	817.1	825.2	840.4	848.4	857.1
Other labor income	544.2	570.4	572.4	576.3	590.8	604.1	617.5
Proprietors' income with inventory valuation and capital consumption adjustments	714.8	727.9	732.4	731.3	748.4	747.5	759.2
Farm	22.6	19.0	19.3	19.2	21.7	7.5	10.7
Nonfarm	692.2	708.8	713.1	712.1	726.7	740.0	748.4
Rental income of persons with capital consumption adjustment	146.6	137.9	140.8	139.3	141.3	153.5	145.0
Personal dividend income ..	375.7	409.2	411.0	417.3	423.7	430.3	437.3
Personal interest income ...	1,077.0	1,091.3	1,086.4	1,072.9	1,069.9	1,082.3	1,082.8
Transfer payments to persons	1,070.3	1,170.4	1,182.5	1,205.0	1,252.0	1,282.6	1,298.3
Old-age, survivors, disability, and health insurance benefits	617.2	664.3	670.1	674.0	690.2	696.3	701.9
Government unemployment insurance benefits	20.5	31.9	33.1	41.0	52.3	67.3	67.5
Veterans benefits	25.1	26.7	26.7	27.7	28.5	29.3	30.0
Other transfer payments ..	407.4	447.6	452.6	462.4	481.0	489.8	498.9
Family assistance ¹	18.3	19.2	19.3	19.4	19.3	19.3	19.3
Other	389.2	428.3	433.3	443.0	461.7	470.4	479.5
Less: Personal contributions for social insurance	358.4	372.3	373.1	372.7	380.5	383.5	386.9
Less: Personal tax and nontax payments	1,286.4	1,292.1	1,181.9	1,309.7	1,136.8	1,127.2	1,118.0
Equals: Disposable personal income	7,120.2	7,393.2	7,524.2	7,391.2	7,666.7	7,786.6	7,877.0
Less: Personal outlays	6,918.6	7,223.5	7,222.0	7,329.6	7,396.3	7,477.9	7,580.0
Personal consumption expenditures	6,683.7	6,987.0	6,983.7	7,099.9	7,174.2	7,254.7	7,360.5
Interest paid by persons	205.4	205.4	206.5	199.1	190.6	191.3	187.2
Personal transfer payments to the rest of the world (net)	29.5	31.1	31.8	30.6	31.5	31.9	32.3
Equals: Personal saving	201.5	169.7	302.2	61.5	270.4	308.7	297.0
Addenda:							
Disposable personal income: Total, billions of chained (1996) dollars ²	6,630.3	6,748.0	6,864.0	6,729.1	6,961.0	7,022.1	7,073.0
Per capita:							
Current dollars	25,237	25,957	26,387	25,853	26,759	27,124	27,373
Chained (1996) dollars	23,501	23,692	24,071	23,537	24,296	24,461	24,579
Population (mid-period, millions)	282.1	284.8	285.2	285.9	286.5	287.1	287.8
Personal saving as a percentage of disposable personal income	2.8	2.3	4.0	.8	3.5	4.0	3.8

1. Consists of aid to families with dependent children and, beginning with 1996, assistance programs operating under the Personal Responsibility and Work Opportunity Reconciliation Act of 1996.

2. Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.

NOTE: Percent changes from preceding period for disposable personal income are shown in table 8.1.

Table 2.2. Personal Consumption Expenditures by Major Type of Product

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Personal consumption expenditures	6,683.7	6,987.0	6,983.7	7,099.9	7,174.2	7,254.7	7,360.5
Durable goods	803.9	835.9	824.0	882.6	859.0	856.9	898.3
Motor vehicles and parts	336.6	361.3	351.0	399.5	365.8	362.1	400.9
Furniture and household equipment	304.8	306.1	304.9	311.5	317.1	319.1	319.2
Other	162.4	168.4	168.1	171.5	176.1	175.8	178.2
Nondurable goods	1,972.9	2,041.3	2,044.3	2,044.4	2,085.1	2,108.2	2,116.4
Food	955.0	992.4	993.8	1,002.8	1,025.0	1,023.9	1,023.8
Clothing and shoes	313.7	315.3	312.1	317.4	325.8	323.9	321.3
Gasoline, fuel oil, and other energy goods	182.5	178.6	179.3	156.7	156.2	174.7	178.3
Gasoline and oil	164.4	162.1	163.6	142.2	142.3	160.7	163.6
Fuel oil and coal	18.1	16.5	15.7	14.5	13.9	14.0	14.7
Other	521.8	555.0	559.2	567.5	578.0	585.6	593.0
Services	3,906.9	4,109.9	4,115.4	4,172.9	4,230.1	4,289.5	4,345.8
Housing	960.0	1,014.5	1,021.1	1,035.5	1,051.7	1,066.0	1,078.0
Household operation	386.2	406.3	404.8	396.9	399.2	400.9	405.7
Electricity and gas	142.4	154.5	151.8	143.1	143.9	144.9	147.2
Other household operation ..	243.9	251.8	253.0	253.8	255.4	256.1	258.4
Transportation	267.8	271.4	270.1	269.0	273.3	275.6	276.1
Medical care	991.8	1,072.2	1,079.0	1,103.1	1,119.0	1,139.3	1,159.0
Recreation	255.5	271.9	271.7	276.6	279.0	283.8	285.9
Other	1,045.5	1,073.6	1,068.8	1,091.8	1,107.8	1,123.8	1,141.2
Addenda:							
Energy goods and services ¹ ..	324.8	333.0	331.0	299.8	300.1	319.6	325.5
Personal consumption expenditures less food and energy	5,403.9	5,661.6	5,658.9	5,797.3	5,849.1	5,911.1	6,011.1

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

Table 2.3. Real Personal Consumption Expenditures by Major Type of Product

[Billions of chained (1996) dollars]

	2000	2001	2001	2001	2001	2002	2002
Personal consumption expenditures	6,223.9	6,377.2	6,370.9	6,464.0	6,513.8	6,542.4	6,609.2
Durable goods	878.9	931.9	922.6	992.0	975.9	980.7	1,033.0
Motor vehicles and parts	338.4	361.9	352.8	400.4	370.0	369.1	407.8
Furniture and household equipment	374.0	398.0	399.5	413.6	428.2	435.2	441.4
Other	169.6	175.3	175.0	178.9	184.2	184.1	187.3
Nondurable goods	1,833.8	1,869.8	1,868.3	1,885.0	1,921.4	1,920.9	1,925.3
Food	879.0	887.0	884.3	887.1	901.4	899.2	897.1
Clothing and shoes	329.4	337.7	337.1	344.8	355.8	355.1	355.6
Gasoline, fuel oil, and other energy goods	149.7	151.2	151.9	153.4	157.2	156.5	157.6
Gasoline and oil	135.7	138.8	139.9	141.4	145.1	144.7	145.5
Fuel oil and coal	14.0	12.6	12.2	12.2	12.4	12.1	12.4
Other	477.0	495.5	496.5	502.0	510.1	513.1	518.1
Services	3,524.5	3,594.9	3,597.5	3,616.6	3,642.2	3,666.2	3,686.4
Housing	851.3	866.0	867.1	869.6	874.0	878.5	882.1
Household operation	377.8	382.6	381.9	377.7	381.3	382.9	384.0
Electricity and gas	137.0	134.5	132.4	130.2	133.5	133.6	135.6
Other household operation ..	240.5	248.2	249.9	247.8	248.0	249.5	248.6
Transportation	253.0	251.1	250.0	248.6	250.9	250.3	249.8
Medical care	900.1	938.3	944.3	954.9	963.4	974.7	984.9
Recreation	226.5	233.2	232.1	234.8	235.6	237.1	237.1
Other	915.1	922.7	921.0	929.2	935.3	941.0	946.5
Residual	-16.7	-23.6	-23.2	-31.5	-34.1	-34.9	-40.6
Addenda:							
Energy goods and services ¹ ..	286.4	285.6	284.3	283.6	290.7	290.1	293.1
Personal consumption expenditures less food and energy	5,057.5	5,204.5	5,202.4	5,293.6	5,322.1	5,353.5	5,419.8

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

NOTE: Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table are shown in table 7.4.

Contributions to the percent change in real personal consumption expenditures are shown in table 8.3.

3. Government Current Receipts and Expenditures

Table 3.1. Government Current Receipts and Expenditures
 [Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Current receipts	3,000.6	2,992.3	2,878.2	2,986.1	2,865.7	2,882.0	2,892.9
Personal tax and nontax receipts	1,286.4	1,292.1	1,181.9	1,309.7	1,136.8	1,127.2	1,118.0
Corporate profits tax accruals	259.4	199.3	196.2	170.6	202.4	213.7	214.8
Indirect business tax and nontax accruals	753.6	774.8	772.7	779.9	786.2	795.1	807.9
Contributions for social insurance	701.3	726.1	727.4	725.8	740.4	746.0	752.2
Current expenditures	2,775.8	2,951.6	2,976.1	2,994.9	3,067.3	3,117.4	3,135.0
Consumption expenditures	1,431.2	1,522.2	1,528.0	1,551.8	1,584.0	1,611.6	1,629.2
Transfer payments (net)	1,050.8	1,146.6	1,157.8	1,186.3	1,240.2	1,258.3	1,273.5
To persons	1,037.3	1,137.0	1,148.9	1,171.0	1,217.4	1,247.7	1,263.0
To the rest of the world (net)	13.6	9.6	8.9	15.3	22.8	10.6	10.5
Net interest paid	260.1	236.0	231.6	219.9	206.6	212.8	203.8
Interest paid	363.6	341.1	336.8	326.1	312.7	319.5	312.2
To persons and business	280.6	260.4	257.8	250.2	238.7	244.9	239.2
To the rest of the world	83.0	80.7	79.0	75.9	74.0	74.7	73.0
Less: Interest received by government	103.5	105.1	105.2	106.2	106.2	106.7	108.4
Less: Dividends received by government .....	.4	.4	.4	.4	.4	.5	.5
Subsidies less current surplus of government enterprises	34.1	47.3	59.1	37.5	37.0	35.1	29.0
Subsidies	44.1	55.3	66.6	46.1	46.4	46.0	46.5
Less: Current surplus of government enterprises	10.1	8.0	7.5	8.6	9.4	11.0	17.5
Less: Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
Current surplus or deficit (-), national income and product accounts	224.8	40.7	-97.9	-8.9	-201.6	-235.4	-242.1
Social insurance funds	118.4	93.2	88.4	76.3	63.9	49.6	51.5
Other	106.4	-52.5	-186.3	-85.1	-265.5	-284.9	-293.6
Addenda:							
Net lending or net borrowing (-)	142.2	-46.9	-171.9	-105.6	-305.6	-336.0	-340.0
Current surplus or deficit (-), national income and product accounts	224.8	40.7	-97.9	-8.9	-201.6	-235.4	-242.1
Plus: Consumption of fixed capital	210.9	222.4	227.9	224.2	226.5	228.6	230.4
Plus: Capital transfers received (net)	35.9	35.4	34.4	34.7	35.8	29.7	35.6
Less: Gross investment	319.8	335.8	323.7	345.0	355.5	348.2	352.5
Less: Net purchases of nonproduced assets	9.6	9.6	12.6	10.6	10.8	10.6	11.4

Table 3.2. Federal Government Current Receipts and Expenditures

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Current receipts	2,033.9	2,008.4	1,896.0	1,992.3	1,884.7	1,889.0	1,884.8
Personal tax and nontax receipts	1,009.0	1,010.9	900.4	1,025.5	874.8	861.9	848.1
Income taxes	999.0	1,000.3	889.8	1,015.1	864.8	852.3	839.1
Nontaxes	10.0	10.6	10.6	10.4	10.0	9.6	9.1
Corporate profits tax accruals	223.8	170.2	168.0	142.9	170.5	180.2	181.1
Federal Reserve banks	25.3	27.1	26.6	24.3	22.7	23.2	22.2
Other	198.5	143.2	141.4	118.6	147.8	157.0	158.9
Indirect business tax and nontax accruals	109.1	110.3	109.5	107.3	108.4	110.2	112.7
Excise taxes	67.3	66.3	65.9	64.9	68.4	69.9	70.1
Customs duties	21.1	20.6	19.9	19.9	18.8	19.4	22.4
Nontaxes	20.7	23.4	23.6	22.5	21.2	20.9	20.2
Contributions for social insurance	692.1	716.9	718.1	716.6	731.1	736.7	742.8
Current expenditures	1,827.1	1,936.4	1,947.7	1,971.0	2,030.5	2,079.3	2,075.0
Consumption expenditures	493.3	528.4	527.9	543.6	566.3	581.0	589.6
Transfer payments (net)	779.5	842.2	849.3	870.9	916.9	927.6	934.8
To persons	765.9	832.6	840.4	855.6	894.1	917.0	924.2
To the rest of the world (net)	13.6	9.6	8.9	15.3	22.8	10.6	10.5
Grants-in-aid to State and local governments	247.5	277.4	271.4	289.4	292.3	309.6	305.0
Net interest paid	263.0	238.1	233.6	221.6	208.5	214.9	205.7
Interest paid	282.2	257.8	253.3	242.1	228.3	234.6	226.8
To persons and business	199.2	177.2	174.3	166.2	154.2	159.9	153.8
To the rest of the world	83.0	80.7	79.0	75.9	74.0	74.7	73.0
Less: Interest received by government	19.3	19.7	19.7	20.5	19.8	19.7	21.1
Subsidies less current surplus of government enterprises ..	43.8	50.3	65.5	45.5	46.6	46.3	39.9
Subsidies	43.7	47.5	62.3	43.1	44.9	45.5	45.0
Less: Current surplus of government enterprises ..	-1	-2.8	-3.1	-2.4	-1.7	-7	5.0
Less: Wage accruals less disbursements	0	0	0	0	0	0	0
Current surplus or deficit (-), national income and product accounts ..	206.9	72.0	-51.7	21.3	-145.8	-190.3	-190.3
Social insurance funds	118.3	93.3	88.5	76.4	64.1	49.7	51.6
Other	88.6	-21.3	-140.2	-55.1	-209.9	-240.0	-241.9
Addenda:							
Net lending or net borrowing (-)	199.2	58.9	-69.3	3.3	-169.5	-217.9	-213.4
Current surplus or deficit (-), national income and product accounts	206.9	72.0	-51.7	21.3	-145.8	-190.3	-190.3
Plus: Consumption of fixed capital	95.9	98.7	99.0	99.7	100.6	101.3	102.1
Plus: Capital transfers received (net)	-8.0	-12.9	-14.7	-14.3	-18.3	-21.8	-16.8
Less: Gross investment ...	95.9	99.7	99.5	103.4	105.7	107.1	107.9
Less: Net purchases of nonproduced assets	-3	-7	2.3	.1	.2	-1	.6

Table 3.3. State and Local Government Current Receipts and Expenditures

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Current receipts	1,214.2	1,261.3	1,253.6	1,283.2	1,273.3	1,302.5	1,313.2
Personal tax and nontax receipts	277.5	281.2	281.6	284.3	262.0	265.2	269.9
Income taxes	218.1	218.7	218.7	220.5	197.4	199.8	203.6
Nontaxes	39.0	41.9	42.3	43.1	43.9	44.7	45.5
Other	20.4	20.6	20.6	20.7	20.7	20.7	20.8
Corporate profits tax accruals ..	35.6	29.1	28.2	27.7	32.0	33.5	33.7
Indirect business tax and nontax accruals	644.5	664.4	663.2	672.5	677.8	684.9	695.2
Sales taxes	314.3	321.2	319.4	326.0	327.4	330.6	337.3
Property taxes	248.1	257.4	258.6	261.0	263.5	265.9	268.6
Other	82.1	85.8	85.2	85.6	86.9	88.3	89.3
Contributions for social insurance	9.2	9.2	9.3	9.2	9.3	9.4	9.4
Federal grants-in-aid	247.5	277.4	271.4	289.4	292.3	309.6	305.0
Current expenditures	1,196.2	1,292.6	1,299.8	1,313.3	1,329.1	1,347.6	1,365.1
Consumption expenditures	937.9	993.7	1,000.1	1,008.2	1,017.7	1,030.6	1,039.6
Transfer payments to persons ..	271.3	304.4	308.5	315.4	323.4	330.7	338.8
Net interest paid	-2.8	-2.1	-2.0	-1.8	-1.9	-2.0	-1.9
Interest paid	81.4	83.3	83.5	84.0	84.5	84.9	85.4
Less: Interest received by government	84.2	85.4	85.5	85.7	86.4	87.0	87.3
Less: Dividends received by government .....	.4	.4	.4	.4	.4	.5	.5
Subsidies less current surplus of government enterprises ..	-9.7	-3.1	-6.4	-8.1	-9.6	-11.2	-10.9
Subsidies .....	.4	7.8	4.3	2.9	1.4	.5	1.6
Less: Current surplus of government enterprises ..	10.2	10.9	10.6	11.0	11.0	11.7	12.5
Less: Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
Current surplus or deficit (-), national income and product accounts ..	18.0	-31.3	-46.2	-30.2	-55.8	-45.1	-51.8
Social insurance funds .....	.1	-1	-1	-2	-2	-1	-1
Other	17.8	-31.2	-46.1	-30.0	-55.6	-45.0	-51.7
Addenda:							
Net lending or net borrowing (-)	-56.9	-105.8	-102.7	-108.8	-136.1	-118.1	-126.5
Current surplus or deficit (-), national income and product accounts	18.0	-31.3	-46.2	-30.2	-55.8	-45.1	-51.8
Plus: Consumption of fixed capital	115.0	123.7	128.9	124.5	125.9	127.3	128.3
Plus: Capital transfers received (net)	43.9	48.3	49.2	49.0	54.1	51.5	52.4
Less: Gross investment ...	223.9	236.2	224.2	241.7	249.7	241.1	244.6
Less: Net purchases of nonproduced assets	9.9	10.3	10.3	10.5	10.6	10.7	10.9

Table 3.7. Government Consumption Expenditures and Gross Investment by Type

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,751.0	1,858.0	1,851.7	1,896.8	1,939.5	1,959.8	1,981.7
Federal	589.2	628.1	627.4	646.9	672.0	688.2	697.5
National defense	374.9	399.9	400.3	412.8	431.7	442.1	451.3
Consumption							
expenditures	321.4	344.5	343.4	356.0	372.1	382.5	388.9
Durable goods ²	22.5	24.2	26.1	24.0	24.7	24.9	26.4
Nondurable goods	10.4	10.5	10.5	11.3	10.9	11.7	12.0
Services	288.5	309.8	306.7	320.7	336.5	345.9	350.4
Compensation of general government employees, except own-account investment ³	138.3	143.7	143.9	143.9	152.7	155.0	156.1
Consumption of general government fixed capital ⁴	63.6	63.5	63.5	63.6	63.8	64.0	64.2
Other services	86.7	102.5	99.3	113.2	120.0	127.0	130.2
Gross investment	53.5	55.5	56.9	56.8	59.7	59.6	62.4
Structures	5.3	5.4	5.0	5.7	5.1	5.4	5.5
Equipment and software	48.2	50.0	51.9	51.1	54.6	54.2	56.9
Nondefense	214.3	228.2	227.2	234.1	240.3	246.1	246.2
Consumption							
expenditures	171.9	184.0	184.5	187.5	194.2	198.6	200.7
Durable goods ²	1.2	1.3	1.3	1.4	1.4	1.4	1.4
Nondurable goods	6.4	8.7	8.0	8.2	8.6	10.1	9.4
Commodity Credit Corporation inventory change .....	.8	.8	.0	.0	-.2	.3	-.2
Other nondurables	5.6	7.9	8.0	8.3	8.8	9.8	9.6
Services	164.4	174.0	175.3	177.9	184.3	187.1	189.9
Compensation of general government employees, except own-account investment ³	93.6	95.2	95.7	95.6	101.7	102.7	104.4
Consumption of general government fixed capital ⁴	26.4	28.7	29.0	29.5	30.0	30.5	31.0
Other services	44.4	50.1	50.6	52.8	52.6	53.9	54.5
Gross investment	42.4	44.2	42.6	46.6	46.1	47.5	45.5
Structures	10.8	10.4	9.8	11.6	13.3	12.1	11.2
Equipment and software	31.6	33.8	32.8	35.0	32.8	35.4	34.3
State and local	1,161.8	1,229.9	1,224.3	1,249.8	1,267.5	1,271.6	1,284.2
Consumption expenditures	937.9	993.7	1,000.1	1,008.2	1,017.7	1,030.6	1,039.6
Durable goods ²	17.1	18.3	18.4	18.8	19.1	19.3	19.5
Nondurable goods	114.0	118.7	119.1	113.9	115.3	120.2	122.6
Services	806.8	856.7	862.5	875.5	883.3	891.1	897.5
Compensation of general government employees, except own-account investment ³	660.8	700.4	707.3	718.1	723.9	730.1	737.1
Consumption of general government fixed capital ⁴	89.5	95.4	95.9	97.3	98.6	99.6	100.4
Other services	56.5	60.9	59.4	60.1	60.8	61.3	60.0
Gross investment	223.9	236.2	224.2	241.7	249.7	241.1	244.6
Structures	167.4	177.6	164.8	183.1	192.5	184.4	188.2
Equipment and software	56.5	58.6	59.4	58.6	57.2	56.6	56.4
Addenda:							
Compensation of general government employees ³	902.6	952.1	959.6	970.7	991.9	1,001.2	1,011.3
Federal	233.4	240.5	241.2	241.2	256.2	259.6	262.5
State and local ⁵	669.2	711.6	718.4	729.5	735.7	741.6	748.9

Table 3.8. Real Government Consumption Expenditures and Gross Investment by Type

[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,582.5	1,640.4	1,633.3	1,674.5	1,697.3	1,703.3	1,716.2
Federal	544.4	570.6	568.9	587.2	597.8	608.7	615.1
National defense	348.7	366.0	365.5	378.0	388.5	395.8	402.7
Consumption							
expenditures	294.1	308.9	307.2	319.1	326.7	333.9	338.1
Durable goods ²	22.7	24.3	26.3	24.2	24.8	24.9	26.5
Nondurable goods	9.4	9.9	9.8	11.3	11.5	11.7	11.6
Services	262.4	275.1	271.7	284.0	290.7	297.6	300.4
Compensation of general government employees, except own-account investment ³	120.5	121.2	121.0	121.3	122.4	123.8	124.5
Consumption of general government fixed capital ⁴	62.5	62.4	62.4	62.4	62.4	62.5	62.6
Other services	79.6	91.7	88.5	100.6	106.2	111.6	113.5
Gross investment	54.8	57.3	58.7	59.0	62.2	62.2	65.2
Structures	4.6	4.6	4.2	4.7	4.2	4.5	4.5
Equipment and software	50.4	53.0	54.9	54.6	58.5	58.2	61.2
Nondefense	195.6	204.4	203.2	209.1	209.3	212.9	212.5
Consumption							
expenditures	153.7	161.1	161.3	163.7	164.3	166.5	167.7
Durable goods ²	1.4	1.5	1.5	1.6	1.7	1.7	1.7
Nondurable goods	6.8	8.9	7.3	7.8	7.8	9.6	8.3
Commodity Credit Corporation inventory change	1.6	1.7	.0	.0	-.4	.8	-.1
Other nondurables	5.2	7.2	7.4	7.8	8.3	8.8	8.4
Services	146.3	151.6	152.5	154.4	154.6	155.8	157.7
Compensation of general government employees, except own-account investment ³	79.4	79.0	79.2	79.0	79.4	79.2	80.3
Consumption of general government fixed capital ⁴	26.1	28.0	28.3	28.8	29.3	29.8	30.3
Other services	41.2	45.4	45.8	47.6	47.0	47.9	48.3
Gross investment	42.3	43.6	42.1	45.9	45.4	47.0	45.1
Structures	9.5	8.9	8.4	9.9	11.3	10.2	9.5
Equipment and software	33.3	35.4	34.4	36.6	34.4	37.3	36.3
State and local	1,037.4	1,069.4	1,064.1	1,087.1	1,099.3	1,094.7	1,101.2
Consumption expenditures	831.1	856.8	861.8	870.7	875.9	879.4	882.9
Durable goods ²	17.2	18.3	18.4	18.7	19.0	19.2	19.4
Nondurable goods	103.0	108.7	109.3	110.7	111.8	112.6	113.3
Services	712.0	731.1	735.5	742.7	746.6	749.2	751.8
Compensation of general government employees, except own-account investment ³	577.6	589.6	593.2	597.6	599.4	600.8	602.6
Consumption of general government fixed capital ⁴	84.6	88.7	89.2	90.2	91.4	92.2	93.0
Other services	49.9	53.2	53.4	55.3	56.5	56.8	56.9
Gross investment	206.5	212.8	202.0	216.5	223.7	215.3	218.3
Structures	145.2	148.6	137.9	151.7	159.4	151.9	154.6
Equipment and software	62.7	65.9	66.7	66.4	65.0	64.6	64.7
Residual	-5.1	-6.8	-6.9	-6.5	-6.2	-7.7	-7.4
Addenda:							
Compensation of general government employees ³	786.2	800.5	804.2	808.7	812.4	814.8	818.6
Federal	201.4	201.6	201.7	201.7	203.4	204.5	206.4
State and local ⁵	584.9	598.9	602.5	607.0	609.1	610.3	612.2

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

See footnotes to table 3.7.

Chain-type quantity indexes for the series in this table are shown in table 7.11.

Contributions to percent change in real government consumption expenditures and gross investment are shown in table 8.6.

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software. The compensation of all general government employees is shown in the addenda.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

5. Beginning with 2001, in accordance with the Consolidated Appropriations Act of 2001, includes compensation of employees of Indian tribal governments reclassified from the private sector.

Table 3.10. National Defense Consumption Expenditures and Gross Investment
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
National defense consumption expenditures and gross investment¹	374.9	399.9	400.3	412.8	431.7	442.1	451.3
Consumption expenditures	321.4	344.5	343.4	356.0	372.1	382.5	388.9
Durable goods²	22.5	24.2	26.1	24.0	24.7	24.9	26.4
Aircraft	10.2	11.2	12.5	11.4	11.1	11.3	11.5
Missiles	2.3	2.5	2.5	2.1	2.6	2.5	3.2
Ships	1.3	1.2	1.3	1.1	1.3	1.3	1.5
Vehicles .....	.8	1.0	1.1	1.0	1.0	1.1	1.0
Electronics	2.9	3.0	3.1	3.1	3.1	3.2	3.3
Other durable goods	5.0	5.3	5.6	5.3	5.6	5.5	5.8
Nondurable goods	10.4	10.5	10.5	11.3	10.9	11.7	12.0
Petroleum products	4.1	4.0	4.3	3.6	3.8	4.3	4.7
Ammunition	1.7	2.1	2.2	2.1	2.4	2.6	2.7
Other nondurable goods ..	4.6	4.4	4.0	5.6	4.7	4.8	4.6
Services	288.5	309.8	306.7	320.7	336.5	345.9	350.4
Compensation of general government employees, except own-account investment ³	138.3	143.7	143.9	143.9	152.7	155.0	156.1
Military	89.3	94.1	93.8	94.8	101.2	102.4	103.1
Civilian	48.9	49.6	50.1	49.1	51.4	52.5	53.0
Consumption of general government fixed capital ⁴	63.6	63.5	63.5	63.6	63.8	64.0	64.2
Other services	86.7	102.5	99.3	113.2	120.0	127.0	130.2
Research and development	22.5	29.6	27.4	34.6	37.5	40.9	39.8
Installation support	23.4	25.5	25.6	27.0	27.2	27.1	29.6
Weapons support	10.0	12.2	11.0	14.0	16.0	17.2	19.1
Personnel support	23.6	28.0	27.8	30.2	32.2	34.2	36.5
Transportation of material	4.8	4.9	5.0	5.1	4.8	4.9	5.0
Travel of persons	4.2	4.2	4.3	4.3	4.0	4.0	4.0
Other	-1.9	-2.0	-1.7	-1.9	-1.7	-1.3	-3.9
Gross investment	53.5	55.5	56.9	56.8	59.7	59.6	62.4
Structures	5.3	5.4	5.0	5.7	5.1	5.4	5.5
Equipment and software	48.2	50.0	51.9	51.1	54.6	54.2	56.9
Aircraft	7.7	8.3	9.8	8.0	8.6	9.0	9.9
Missiles	2.5	3.3	3.0	3.0	3.6	3.1	2.6
Ships	6.6	7.2	6.9	7.3	8.1	8.5	8.9
Vehicles	1.8	1.8	1.7	2.0	2.1	2.8	3.0
Electronics and software ..	14.9	13.7	13.7	14.3	14.9	14.7	15.3
Other equipment	14.7	15.7	16.8	16.4	17.2	16.2	17.1
Addendum:							
Compensation of general government employees ³ ..	138.8	144.3	144.4	144.6	153.6	155.9	157.0

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software. The compensation of all general government employees is shown in the addendum.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

Table 3.11. Real National Defense Consumption Expenditures and Gross Investment
[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
National defense consumption expenditures and gross investment¹	348.7	366.0	365.5	378.0	388.5	395.8	402.7
Consumption expenditures	294.1	308.9	307.2	319.1	326.7	333.9	338.1
Durable goods²	22.7	24.3	26.3	24.2	24.8	24.9	26.5
Aircraft	10.2	11.2	12.6	11.5	11.1	11.2	11.5
Missiles	2.4	2.5	2.5	2.1	2.6	2.6	3.2
Ships	1.3	1.2	1.3	1.1	1.3	1.3	1.5
Vehicles .....	.6	.8	.8	.8	.8	.8	.8
Electronics	3.3	3.4	3.6	3.6	3.6	3.7	3.9
Other durable goods	5.0	5.2	5.6	5.3	5.6	5.5	5.8
Nondurable goods	9.4	9.9	9.8	11.3	11.5	11.7	11.6
Petroleum products	3.1	3.4	3.6	3.7	4.6	4.4	4.5
Ammunition	1.8	2.1	2.2	2.2	2.5	2.7	2.8
Other nondurable goods ..	4.4	4.2	3.9	5.3	4.4	4.5	4.3
Services	262.4	275.1	271.7	284.0	290.7	297.6	300.4
Compensation of general government employees, except own-account investment ³	120.5	121.2	121.0	121.3	122.4	123.8	124.5
Military	79.4	80.7	80.2	81.4	83.0	84.0	84.6
Civilian	41.2	40.7	41.0	40.0	39.6	40.0	40.2
Consumption of general government fixed capital ⁴	62.5	62.4	62.4	62.4	62.4	62.5	62.6
Other services	79.6	91.7	88.5	100.6	106.2	111.6	113.5
Research and development	20.8	26.9	24.8	31.2	33.7	36.7	35.5
Installation support	22.1	23.4	23.4	24.7	24.8	24.5	26.4
Weapons support	9.0	10.7	9.7	12.2	13.9	14.9	16.6
Personnel support	20.5	23.4	23.1	24.8	26.3	27.6	29.4
Transportation of material	4.6	4.6	4.6	4.7	4.5	4.5	4.5
Travel of persons	4.1	4.1	4.1	4.2	3.8	3.8	3.9
Other	-1.7	-1.7	-1.4	-1.5	-1.4	-1.1	-3.1
Gross investment	54.8	57.3	58.7	59.0	62.2	62.2	65.2
Structures	4.6	4.6	4.2	4.7	4.2	4.5	4.5
Equipment and software	50.4	53.0	54.9	54.6	58.5	58.2	61.2
Aircraft	8.3	9.6	11.3	9.6	10.4	10.8	12.1
Missiles	2.6	3.5	3.2	3.2	3.9	3.4	2.9
Ships	6.5	7.1	6.8	7.3	8.1	8.4	8.7
Vehicles	1.9	1.9	1.8	2.1	2.2	2.9	3.2
Electronics and software ..	16.6	15.3	15.4	16.1	16.9	16.7	17.5
Other equipment	14.6	15.5	16.5	16.1	17.0	15.9	16.8
Residual	-1.0	-.7	-1.7	-.8	-1.3	-.9	-1.9
Addendum:							
Compensation of general government employees ³ ..	120.9	121.7	121.4	121.8	123.1	124.5	125.3

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the line in the addendum.

Chain-type indexes for the series in this table are shown in table 7.12.

See footnotes to table 3.10.

4. Foreign Transactions

Table 4.1. Foreign Transactions in the National Income and Product Accounts
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Receipts from the rest of the world	1,484.5	1,351.1	1,307.8	1,240.0	1,242.2	1,294.1	1,318.9
Exports of goods and services	1,101.1	1,034.1	1,005.8	971.1	977.5	1,018.1	1,035.4
Goods ¹	785.0	733.5	708.5	687.7	679.8	709.4	722.9
Durable	569.7	522.4	502.8	481.8	477.2	499.3	509.5
Nondurable	215.4	211.2	205.7	205.8	202.6	210.0	213.4
Services ¹	316.1	300.6	297.3	283.4	297.7	308.8	312.5
Income receipts	383.4	316.9	302.0	269.0	264.7	276.0	283.5
Payments to the rest of the world	1,484.5	1,351.1	1,307.8	1,240.0	1,242.2	1,294.1	1,318.9
Imports of goods and services	1,466.6	1,383.0	1,318.4	1,315.6	1,337.5	1,443.7	1,468.0
Goods ¹	1,243.1	1,167.2	1,140.6	1,098.3	1,102.3	1,202.9	1,223.1
Durable	820.6	754.4	734.2	721.0	732.4	781.6	785.0
Nondurable	422.5	412.8	406.3	377.3	369.9	421.3	438.1
Services ¹	223.5	215.8	177.8	217.3	235.2	240.8	244.9
Income payments	360.0	295.0	290.5	233.7	262.8	296.1	296.4
Transfer payments (net)	53.7	49.8	49.7	54.6	63.5	51.5	52.0
From persons (net)	29.5	31.1	31.8	30.6	31.5	31.9	32.3
From government (net)	13.6	9.6	8.9	15.3	22.8	10.6	10.5
From business	10.6	9.1	9.0	8.8	9.2	9.0	9.2
Net foreign investment	-395.8	-376.7	-350.8	-363.9	-421.7	-497.2	-497.5

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

Table 4.2. Real Exports and Imports of Goods and Services and Receipts and Payments of Income
[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Exports of goods and services	1,137.2	1,076.1	1,048.0	1,021.8	1,030.6	1,065.5	1,074.3
Goods ¹	834.7	785.2	760.0	744.6	738.1	765.8	773.9
Durable	607.8	558.3	538.1	517.3	512.3	536.3	546.7
Nondurable	226.7	226.7	221.6	227.1	225.7	229.3	227.0
Services ¹	304.1	292.0	288.7	278.2	292.2	299.7	300.6
Income receipts	359.0	292.0	278.1	247.4	242.8	251.8	257.7
Imports of goods and services	1,536.0	1,492.0	1,467.0	1,447.2	1,477.1	1,552.9	1,561.8
Goods ¹	1,313.7	1,270.5	1,249.2	1,238.7	1,250.0	1,329.2	1,342.6
Durable	924.1	865.6	845.9	838.2	856.0	912.5	916.9
Nondurable	391.6	402.3	399.9	397.1	391.5	414.3	422.5
Services ¹	223.6	222.4	218.6	208.9	225.5	224.3	220.8
Income payments	333.6	269.2	264.9	213.1	239.2	268.2	267.7

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Chain-type quantity indexes for the series in this table are shown in table 7.9.

Table 4.3. Exports and Imports of Goods and Services by Type of Product
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Exports of goods and services	1,101.1	1,034.1	1,005.8	971.1	977.5	1,018.1	1,035.4
Exports of goods ¹	785.0	733.5	708.5	687.7	679.8	709.4	722.9
Foods, feeds, and beverages	47.9	49.4	48.8	49.7	49.7	48.6	49.6
Industrial supplies and materials.....	166.6	155.3	150.8	147.2	144.9	155.6	156.5
Durable goods.....	63.6	57.1	55.2	53.6	53.5	57.2	57.0
Nondurable goods.....	103.0	98.2	95.6	93.6	91.3	98.4	99.5
Capital goods, except automotive.....	357.0	321.7	304.6	288.7	284.4	294.1	301.7
Civilian aircraft, engines, and parts.....	48.1	52.6	52.6	48.1	49.4	50.2	56.3
Computers, peripherals, and parts.....	55.5	47.6	44.4	41.8	39.0	38.6	37.8
Other.....	253.4	221.6	207.6	198.9	196.0	205.4	207.6
Automotive vehicles, engines, and parts.....	80.4	75.4	77.1	74.3	73.8	80.4	82.5
Consumer goods, except automotive.....	89.4	88.3	85.5	84.5	82.2	84.2	86.0
Durable goods.....	46.8	46.5	45.0	43.6	43.1	44.3	45.0
Nondurable goods.....	42.6	41.9	40.6	40.9	39.2	39.9	41.0
Other.....	43.8	43.3	41.6	43.3	44.8	46.4	46.6
Exports of services ¹	316.1	300.6	297.3	283.4	297.7	308.8	312.5
Transfers under U.S. military agency sales contracts....	12.8	11.2	11.3	11.6	11.1	11.6	10.8
Travel.....	82.3	73.1	71.4	58.9	68.7	69.3	70.7
Passenger fares.....	20.8	18.0	18.1	14.5	16.7	16.8	17.9
Other transportation.....	30.1	28.3	27.9	26.7	26.9	27.7	27.4
Royalties and license fees....	39.6	38.7	38.1	38.7	40.4	42.6	42.8
Other private services.....	104.7	108.1	107.5	110.2	110.5	115.9	117.3
Other.....	25.9	23.2	22.9	22.7	23.5	24.7	25.5
Imports of goods and services	1,466.6	1,383.0	1,318.4	1,315.6	1,337.5	1,443.7	1,468.0
Imports of goods ¹	1,243.1	1,167.2	1,140.6	1,098.3	1,102.3	1,202.9	1,223.1
Foods, feeds, and beverages	46.0	46.6	47.7	47.1	47.5	49.4	50.3
Industrial supplies and materials, except petroleum and products ..	172.8	164.8	156.7	149.0	149.5	159.0	163.3
Durable goods.....	88.4	80.0	78.3	75.9	77.5	79.5	82.1
Nondurable goods.....	84.4	84.8	78.4	73.1	71.9	79.5	81.2
Petroleum and products.....	120.2	103.6	102.5	81.0	76.7	108.1	110.7
Capital goods, except automotive.....	347.0	298.0	279.7	272.3	277.4	288.4	285.8
Civilian aircraft, engines, and parts.....	26.4	31.4	30.8	32.5	29.0	24.9	22.6
Computers, peripherals, and parts.....	89.8	74.0	68.7	68.5	75.6	76.6	74.7
Other.....	230.9	192.6	180.3	171.3	172.7	186.9	188.5
Automotive vehicles, engines, and parts.....	195.9	189.8	191.8	187.5	190.4	207.5	210.9
Consumer goods, except automotive.....	282.0	284.5	281.9	278.6	285.4	307.2	316.0
Durable goods.....	149.6	146.7	144.3	143.9	149.4	164.5	163.2
Nondurable goods.....	132.4	137.8	137.6	134.8	136.0	142.7	152.7
Other.....	79.2	79.9	80.3	82.8	75.4	83.2	86.0
Imports of services ¹	223.5	215.8	177.8	217.3	235.2	240.8	244.9
Direct defense expenditures	13.6	15.2	15.1	17.4	17.4	18.4	19.0
Travel.....	64.8	60.1	57.9	51.8	58.8	59.2	60.7
Passenger fares.....	24.3	22.4	23.8	17.8	20.5	20.6	21.6
Other transportation.....	41.6	38.8	36.7	36.0	36.1	39.6	39.2
Royalties and license fees....	16.1	16.4	16.5	16.4	18.9	18.0	17.3
Other private services.....	55.3	54.6	19.5	69.5	74.9	76.4	78.2
Other.....	7.9	8.3	8.4	8.4	8.6	8.6	8.7
Addenda:							
Exports of agricultural goods ²	52.8	54.9	54.6	55.8	55.1	54.1	53.6
Exports of nonagricultural goods.....	732.2	678.6	653.9	631.8	624.7	655.3	669.3
Imports of nonpetroleum goods.....	1,122.9	1,063.6	1,038.0	1,017.3	1,025.6	1,094.7	1,112.4

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes parts of foods, feeds, and beverages, of nondurable industrial supplies and materials, and of nondurable nonautomotive consumer goods.

Table 4.4. Real Exports and Imports of Goods and Services by Type of Product
[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Exports of goods and services	1,137.2	1,076.1	1,048.0	1,021.8	1,030.6	1,065.5	1,074.3
Exports of goods ¹	834.7	785.2	760.0	744.6	738.1	765.8	773.9
Foods, feeds, and beverages	60.5	62.3	60.6	63.1	63.4	61.3	59.6
Industrial supplies and materials.....	168.7	162.2	158.9	159.8	158.5	165.8	163.3
Durable goods.....	67.5	61.7	59.7	58.6	58.5	62.0	61.1
Nondurable goods.....	101.3	100.4	99.1	101.0	99.8	103.6	102.1
Capital goods, except automotive.....	394.7	355.8	337.7	320.9	316.0	327.7	336.8
Civilian aircraft, engines, and parts.....	43.2	44.8	44.5	40.4	41.2	41.7	46.6
Computers, peripherals, and parts *.....	85.3	75.4	71.1	67.7	63.9	63.8	63.7
Other.....	271.5	238.6	224.3	215.4	212.2	222.9	225.5
Automotive vehicles, engines, and parts.....	78.5	73.4	75.0	72.3	71.7	78.1	79.9
Consumer goods, except automotive.....	88.7	87.9	85.2	83.9	82.3	84.5	86.0
Durable goods.....	46.4	46.0	44.6	43.1	42.7	44.2	44.8
Nondurable goods.....	42.2	41.9	40.6	40.8	39.6	40.3	41.3
Other.....	44.8	44.5	42.8	44.9	46.6	47.9	47.6
Exports of services ¹	304.1	292.0	288.7	278.2	292.2	299.7	300.6
Transfers under U.S. military agency sales contracts....	12.9	11.5	11.6	12.1	11.6	12.1	11.3
Travel.....	74.0	65.6	64.0	53.9	62.9	62.7	64.0
Passenger fares.....	19.8	17.0	17.0	13.7	15.8	15.8	15.6
Other transportation.....	28.0	26.6	26.1	25.6	26.2	26.2	25.5
Royalties and license fees....	37.0	35.6	35.1	35.5	37.0	38.8	38.9
Other private services.....	111.5	119.1	118.7	122.3	121.8	126.4	126.6
Other.....	21.5	19.3	18.9	19.0	19.8	20.9	21.6
Residual.....	-8.7	-7.5	-5.7	-7.6	-4.1	-3.2	-1.4
Imports of goods and services	1,536.0	1,492.0	1,467.0	1,447.2	1,477.1	1,552.9	1,561.8
Imports of goods ¹	1,313.7	1,270.5	1,249.2	1,238.7	1,250.0	1,329.2	1,342.6
Foods, feeds, and beverages	49.4	51.7	53.6	52.6	53.2	54.6	54.9
Industrial supplies and materials, except petroleum and products ..	167.1	160.9	159.1	158.5	160.8	165.1	168.9
Durable goods.....	86.3	81.0	79.6	80.7	82.7	83.3	85.7
Nondurable goods.....	80.7	79.7	79.3	77.7	78.0	81.6	83.0
Petroleum and products.....	86.2	89.2	85.9	86.7	82.3	88.6	85.5
Capital goods, except automotive.....	452.2	400.0	377.9	371.5	382.1	398.2	395.5
Civilian aircraft, engines, and parts.....	23.9	27.3	26.7	28.1	25.0	21.4	19.2
Computers, peripherals, and parts *.....	152.6	138.4	131.3	135.8	150.9	153.0	151.3
Other.....	279.8	236.6	221.9	211.3	215.9	234.5	236.2
Automotive vehicles, engines, and parts.....	192.5	186.7	189.1	184.2	187.3	203.8	206.7
Consumer goods, except automotive.....	293.9	298.9	296.4	294.2	302.4	326.4	335.4
Durable goods.....	160.8	159.6	157.2	157.8	164.6	181.7	180.7
Nondurable goods.....	133.5	139.4	139.2	136.6	138.1	145.4	155.0
Other.....	78.8	79.8	80.8	83.6	76.4	84.0	86.6
Imports of services ¹	223.6	222.4	218.6	208.9	225.5	224.3	220.8
Direct defense expenditures	15.5	17.5	17.3	20.2	21.0	21.0	20.2
Travel.....	67.0	63.5	61.0	54.7	63.1	60.9	59.3
Passenger fares.....	20.9	17.7	18.1	13.9	16.0	15.7	15.4
Other transportation.....	35.4	33.6	31.7	32.5	33.1	35.9	34.9
Royalties and license fees....	15.1	15.0	15.1	15.1	17.3	16.4	15.7
Other private services.....	62.6	69.8	71.0	66.7	69.0	68.4	69.2
Other.....	7.6	8.0	8.1	8.2	8.4	8.2	8.2
Residual.....	-12.6	-2.5	.1	.8	-5.2	-5.5	-5.9
Addenda:							
Exports of agricultural goods ²	68.3	70.5	68.9	72.7	72.3	70.3	66.0
Exports of nonagricultural goods.....	765.4	714.9	691.4	673.1	667.1	696.0	707.5
Imports of nonpetroleum goods.....	1,225.5	1,177.1	1,159.7	1,148.1	1,164.1	1,236.5	1,254.6

* Because of rapid changes in relative prices, the chained-dollar estimates for computers are especially misleading as a measure of the contribution or relative importance of this component.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. For exports and for imports, the residual line is the difference between the aggregate line and the sum of the most detailed lines.

Chain-type quantity indexes for the series in this table are shown in table 7.10. Contributions to the percent change in real exports and in real imports of goods and services are shown in table 8.5.

See footnotes to table 4.3.

5. Saving and Investment

Table 5.1. Gross Saving and Investment
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Gross saving	1,807.9	1,662.4	1,665.6	1,614.4	1,603.2	1,603.6	1,578.1
Gross private saving	1,372.1	1,399.3	1,535.6	1,399.0	1,578.3	1,610.4	1,589.8
Personal saving	201.5	169.7	302.2	61.5	270.4	308.7	297.0
Undistributed corporate profits with inventory valuation and capital consumption adjustments	152.6	122.7	79.5	223.0	171.0	140.5	118.4
Undistributed profits	146.8	61.2	46.7	10.8	12.8	13.5	16.0
Inventory valuation adjustment	-15.0	5.0	8.9	27.2	1.9	-5.7	-15.2
Capital consumption adjustment	20.8	56.5	23.9	185.1	156.3	132.8	117.6
Corporate consumption of fixed capital	721.1	789.1	835.6	792.6	808.3	826.1	836.1
Noncorporate consumption of fixed capital	296.8	317.7	318.2	321.9	328.6	335.1	338.3
Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
Gross government saving	435.8	263.1	130.0	215.3	24.9	-6.8	-11.7
Federal	302.8	170.7	47.3	121.1	-45.2	-89.0	-88.1
Consumption of fixed capital	95.9	98.7	99.0	99.7	100.6	101.3	102.1
Current surplus or deficit (-), national income and product accounts	206.9	72.0	-51.7	21.3	-145.8	-190.3	-190.3
State and local	133.0	92.4	82.7	94.3	70.1	82.2	76.4
Consumption of fixed capital	115.0	123.7	128.9	124.5	125.9	127.3	128.3
Current surplus or deficit (-), national income and product accounts	18.0	-31.3	-46.2	-30.2	-55.8	-45.1	-51.8
Gross investment	1,679.4	1,545.1	1,547.8	1,481.8	1,493.2	1,439.0	1,449.2
Gross private domestic investment	1,755.4	1,586.0	1,574.9	1,500.7	1,559.4	1,588.0	1,594.2
Gross government investment	319.8	335.8	323.7	345.0	355.5	348.2	352.5
Net foreign investment	-395.8	-376.7	-350.8	-363.9	-421.7	-497.2	-497.5
Statistical discrepancy	-128.5	-117.3	-117.8	-132.6	-110.0	-164.6	-129.0
Addendum:							
Gross saving as a percentage of gross national product	18.4	16.5	16.5	15.8	15.5	15.5	15.0

Table 5.4. Private Fixed Investment by Type
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Private fixed investment	1,691.8	1,646.3	1,635.5	1,597.2	1,589.4	1,584.6	1,580.2
Nonresidential	1,265.8	1,201.6	1,188.1	1,149.8	1,126.8	1,115.8	1,110.0
Structures	314.2	324.5	332.0	302.3	288.3	275.2	259.7
Nonresidential buildings, including farm	223.9	216.3	211.5	200.4	192.4	182.3	170.6
Utilities	53.7	55.0	54.6	54.4	56.3	53.9	52.0
Mining exploration, shafts, and wells	29.2	42.7	45.1	40.4	32.3	31.7	31.4
Other structures	7.4	10.5	20.7	7.2	7.3	7.3	5.6
Equipment and software	951.6	877.1	856.1	847.4	838.5	840.7	850.3
Information processing equipment and software	446.9	404.3	390.7	385.5	388.7	397.1	407.4
Computers and peripheral equipment ¹	93.3	74.2	67.6	69.3	71.9	72.8	76.9
Software ²	179.4	180.4	178.7	178.9	177.2	181.0	186.3
Other	174.2	149.8	144.5	137.3	139.6	143.3	144.2
Industrial equipment	164.9	159.0	154.3	149.8	153.4	150.5	153.0
Transportation equipment	189.7	165.8	162.7	168.3	154.1	145.2	141.3
Other	150.1	148.0	148.4	143.8	142.3	148.0	148.6
Residential	426.0	444.8	447.4	447.4	462.6	468.7	470.2
Structures	416.8	435.4	438.1	438.0	453.0	459.2	460.7
Single family	220.7	232.1	234.4	234.3	241.1	244.3	245.5
Multifamily	28.3	30.7	30.5	31.8	34.2	34.2	33.6
Other structures	167.9	172.7	173.2	171.9	177.7	180.7	181.6
Equipment	9.3	9.3	9.3	9.4	9.5	9.6	9.5

1. Includes new computers and peripheral equipment only.
2. Excludes software "embedded," or bundled, in computers and other equipment.

Table 5.5. Real Private Fixed Investment by Type
[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Private fixed investment	1,691.9	1,627.4	1,615.7	1,578.4	1,576.4	1,572.6	1,573.1
Nonresidential	1,324.2	1,255.1	1,241.7	1,206.4	1,188.4	1,181.1	1,179.0
Structures	275.5	270.9	276.3	252.7	243.2	231.7	218.7
Nonresidential buildings, including farm	192.3	178.7	174.2	163.5	157.1	148.2	138.9
Utilities	50.4	50.3	49.7	49.3	50.8	48.4	46.1
Mining exploration, shafts, and wells	27.0	34.0	35.9	34.8	30.2	30.3	30.4
Other structures	6.8	9.3	18.3	6.3	6.3	6.3	4.8
Equipment and software	1,056.0	988.2	966.4	960.3	953.7	961.4	976.8
Information processing equipment and software	583.3	548.5	533.4	531.8	540.4	557.0	576.0
Computers and peripheral equipment ¹	246.4	239.9	224.5	243.3	262.1	271.6	299.0
Software ²	184.4	182.0	180.5	180.6	179.0	184.3	189.3
Other	187.4	163.9	158.6	151.2	154.1	158.5	160.1
Industrial equipment	160.8	153.8	149.2	144.7	148.3	145.6	147.6
Transportation equipment	186.6	163.6	160.0	165.4	151.5	143.4	141.0
Other	144.5	140.7	141.0	136.2	134.6	140.1	140.4
Residential	372.4	373.5	374.3	371.0	383.6	386.1	388.1
Structures	363.0	364.0	365.0	361.5	373.9	376.4	378.4
Single family	191.0	192.6	194.1	191.3	197.2	198.4	200.4
Multifamily	23.0	24.4	24.3	25.1	27.0	26.8	26.5
Other structures	149.1	146.9	146.5	145.1	149.6	151.0	151.4
Equipment	9.4	9.5	9.4	9.6	9.7	9.7	9.7
Residual	-67.2	-62.2	-50.5	-68.0	-81.1	-90.0	-112.5

1. Includes new computers and peripheral equipment only. Because of rapid changes in relative prices, the chained-dollar estimates for computers are especially misleading as a measure of the contribution or relative importance of this component; accurate estimates of these contributions are shown in table 8.4.
2. Excludes software "embedded," or bundled, in computers and other equipment.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines. Chain-type quantity indexes for the series in this table are shown in table 7.6. Contributions to the percent change in real private fixed investment are shown in table 8.4.

Table 5.10B. Change in Private Inventories by Industry

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Change in private inventories	63.6	-60.3	-60.6	-96.5	-29.9	3.4	14.0
Farm	-2.2	1.6	1.8	3.0	5.3	.4	-2.3
Construction, mining, and utilities	-3.4	7.6	6.1	4.7	1.6	-1.1	-4.0
Manufacturing	16.6	-35.9	-43.3	-39.6	-31.1	-14.2	-5.0
Durable goods industries ...	15.3	-29.3	-39.6	-34.3	-25.4	-14.9	-11.2
Nondurable goods industries	1.3	-6.5	-3.7	-5.3	-5.8	.6	6.2
Wholesale trade	19.3	-15.6	-24.0	-25.4	-19.5	-9.0	7.1
Durable goods industries ...	12.1	-19.7	-24.9	-26.6	-16.2	-7.4	6.7
Nondurable goods industries	7.1	4.0	.9	1.3	-3.3	-1.6	.4
Retail trade	21.9	-20.7	-3.4	-41.5	13.8	22.2	15.8
Motor vehicle dealers	11.7	-15.5	-1.1	-34.7	13.9	15.4	6.1
Food and beverage stores ...	-.2	.6	-.4	1.3	-2.2	.1	.7
General merchandise stores	1.1	-.5	-2.2	-3.3	-4.5	.0	2.6
Other retail stores	9.3	-5.3	.4	-4.7	6.7	6.8	6.3
Other industries	11.4	2.7	2.2	2.3	.0	5.1	2.4
Addenda:							
Change in private inventories	63.6	-60.3	-60.6	-96.5	-29.9	3.4	14.0
Durable goods industries.	44.1	-65.0	-65.2	-95.0	-20.3	-4.8	5.1
Nondurable goods industries	19.4	4.7	4.7	-1.5	-9.7	8.2	8.8
Nonfarm industries	65.8	-61.9	-62.3	-99.5	-35.3	3.0	16.3
Nonfarm change in book value ¹	88.2	-75.5	-83.9	-133.4	-37.1	13.4	34.8
Nonfarm inventory valuation adjustment ² ..	-22.5	13.6	21.5	33.9	1.8	-10.4	-18.6
Wholesale trade	19.3	-15.6	-24.0	-25.4	-19.5	-9.0	7.1
Merchant wholesale trade	16.2	-12.6	-17.1	-21.9	-16.2	-8.4	4.0
Durable goods industries	9.8	-16.8	-18.8	-23.2	-14.2	-7.1	4.3
Nondurable goods industries	6.4	4.2	1.7	1.3	-2.1	-1.3	-.3
Nonmerchant wholesale trade	3.0	-3.1	-6.9	-3.5	-3.3	-.6	3.1

1. This series is derived from the Census Bureau series "current cost inventories."

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

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 5.11B. Real Change in Private Inventories by Industry

[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Change in private inventories	65.0	-61.4	-61.8	-98.4	-28.9	4.9	15.5
Farm	-2.5	2.0	2.0	3.6	6.4	.8	-2.2
Construction, mining, and utilities	-2.6	6.4	5.7	4.3	1.6	-1.0	-3.6
Manufacturing	17.5	-36.2	-44.1	-40.2	-31.9	-14.1	-4.9
Durable goods industries ...	16.3	-30.1	-41.0	-35.2	-25.9	-15.0	-11.3
Nondurable goods industries	1.4	-6.3	-3.7	-5.1	-6.0	.8	6.1
Wholesale trade	19.9	-16.5	-25.1	-26.8	-19.8	-8.7	8.1
Durable goods industries ...	12.8	-21.8	-27.5	-29.9	-17.0	-7.7	7.3
Nondurable goods industries	7.1	4.3	1.2	1.9	-3.2	-1.3	1.0
Retail trade	21.6	-20.3	-3.3	-40.6	13.8	22.0	15.6
Motor vehicle dealers	11.7	-15.5	-1.2	-34.8	14.0	15.6	6.3
Food and beverage stores ...	-.2	.5	-.4	1.1	-2.0	.1	.6
General merchandise stores	1.1	-.4	-2.1	-3.2	-4.4	.0	2.6
Other retail stores	9.2	-5.2	.3	-4.7	6.7	6.7	6.3
Other industries	11.2	2.6	2.2	2.3	.0	5.0	2.4
Residual	-.5	2.1	2.7	1.3	.9	.9	.0
Addenda:							
Change in private inventories	65.0	-61.4	-61.8	-98.4	-28.9	4.9	15.5
Durable goods industries	46.0	-67.9	-68.5	-99.3	-20.3	-4.4	5.6
Nondurable goods industries	19.5	4.8	4.9	-.8	-8.8	9.0	9.8
Nonfarm industries	67.2	-63.2	-63.6	-101.5	-35.1	4.2	17.5
Wholesale trade	19.9	-16.5	-25.1	-26.8	-19.8	-8.7	8.1
Merchant wholesale trade	16.8	-13.3	-17.9	-23.3	-16.4	-8.2	4.9
Durable goods industries	10.3	-18.7	-20.7	-26.1	-14.8	-7.5	4.7
Nondurable goods industries	6.5	4.5	2.0	1.9	-2.0	-.9	.4
Nonmerchant wholesale trade	3.1	-3.2	-7.1	-3.6	-3.4	-.6	3.1

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS). Chained (1996) dollar series for real change in private inventories are calculated as the period-to-period change in chained-dollar end-of-period inventories. Quarterly changes in end-of-period inventories are stated at annual rates. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table 5.12B. Private Inventories and Domestic Final Sales by Industry
[Billions of dollars]

	Seasonally adjusted quarterly totals				
	2001		2002		
	III	IV	I	II	III
Private inventories ¹	1,475.5	1,430.1	1,429.4	1,438.1	1,446.0
Farm.....	101.2	100.8	104.7	104.0	100.1
Construction, mining, and utilities.....	39.8	39.3	39.5	41.9	40.9
Manufacturing.....	470.5	451.9	447.0	445.7	447.5
Durable goods industries.....	293.0	282.0	275.8	273.2	269.9
Nondurable goods industries.....	177.4	170.0	171.2	172.5	177.6
Wholesale trade.....	349.3	337.3	334.5	335.1	341.2
Durable goods industries.....	206.4	198.5	194.5	193.6	195.3
Nondurable goods industries.....	142.9	138.8	140.0	141.6	145.9
Retail trade.....	401.8	388.9	392.4	398.0	402.3
Motor vehicle dealers.....	127.9	118.3	121.1	124.5	125.5
Food and beverage stores.....	33.3	33.5	33.1	32.9	33.1
General merchandise stores.....	64.9	63.9	62.6	62.7	63.3
Other retail stores.....	175.7	173.3	175.6	177.9	180.3
Other industries.....	112.9	111.9	111.4	113.4	114.1
Addenda:					
Private inventories.....	1,475.5	1,430.1	1,429.4	1,438.1	1,446.0
Durable goods industries.....	705.6	676.9	671.5	672.3	672.9
Nondurable goods industries.....	769.9	752.2	757.9	765.8	773.2
Nonfarm industries.....	1,374.3	1,329.4	1,324.7	1,334.1	1,345.9
Wholesale trade.....	349.3	337.3	334.5	335.1	341.2
Merchant wholesale trade.....	299.5	290.3	287.4	287.5	292.1
Durable goods industries.....	178.0	171.1	167.6	166.6	167.7
Nondurable goods industries.....	121.5	119.3	119.9	120.9	124.4
Nonmerchant wholesale trade.....	49.8	47.0	47.0	47.6	49.1
Final sales of domestic business ²	712.1	718.5	723.8	724.7	732.7
Final sales of goods and structures of domestic business ²	381.6	386.4	387.2	382.7	386.5
Ratios of private inventories to final sales of domestic business:					
Private inventories to final sales.....	2.07	1.99	1.97	1.98	1.97
Nonfarm inventories to final sales.....	1.93	1.85	1.83	1.84	1.84
Nonfarm inventories to final sales of goods and structures.....	3.60	3.44	3.42	3.49	3.48

1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories in this table is not the current-dollar change in the private inventories component of GDP. The former is the difference between two inventory stocks, each valued at its respective end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this table are at quarterly rates, whereas, the change in private inventories 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 of general government, and it includes a small amount of final sales by farm and by government enterprises.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 5.13B. Real Private Inventories and Real Domestic Final Sales by Industry
[Billions of chained (1996) dollars]

	Seasonally adjusted quarterly totals				
	2001		2002		
	III	IV	I	II	III
Private inventories ¹	1,483.3	1,458.7	1,451.5	1,452.7	1,456.6
Farm.....	105.1	106.0	107.6	107.8	107.2
Construction, mining, and utilities.....	38.9	40.0	40.4	40.2	39.2
Manufacturing.....	469.7	459.6	451.7	448.1	446.9
Durable goods industries.....	295.5	286.7	280.3	276.5	273.7
Nondurable goods industries.....	174.1	172.8	171.3	171.5	173.0
Wholesale trade.....	364.3	357.6	352.6	350.4	352.5
Durable goods industries.....	224.8	217.3	213.1	211.2	213.0
Nondurable goods industries.....	138.7	139.2	138.4	138.1	138.4
Retail trade.....	391.5	381.3	384.7	390.2	394.1
Motor vehicle dealers.....	127.6	118.9	122.4	126.3	127.8
Food and beverage stores.....	30.3	30.5	30.0	30.1	30.2
General merchandise stores.....	62.9	62.1	61.1	61.1	61.7
Other retail stores.....	170.6	169.4	171.1	172.8	174.4
Other industries.....	111.8	112.4	112.4	113.7	114.3
Residual.....	3.0	3.4	3.4	3.4	3.7
Addenda:					
Private inventories.....	1,483.3	1,458.7	1,451.5	1,452.7	1,456.6
Durable goods industries.....	726.4	701.6	696.5	695.4	696.8
Nondurable goods industries.....	754.7	754.5	752.3	754.6	757.0
Nonfarm industries.....	1,377.2	1,351.8	1,343.1	1,344.1	1,348.5
Wholesale trade.....	364.3	357.6	352.6	350.4	352.5
Merchant wholesale trade.....	314.3	308.5	304.4	302.3	303.6
Durable goods industries.....	194.2	187.7	184.0	182.1	183.3
Nondurable goods industries.....	119.5	119.9	119.4	119.2	119.3
Nonmerchant wholesale trade.....	50.0	49.2	48.3	48.2	48.9
Final sales of domestic business ²	654.1	661.4	665.3	664.6	670.7
Final sales of goods and structures of domestic business ²	366.8	371.6	373.3	369.2	373.4
Ratios of private inventories to final sales of domestic business:					
Private inventories to final sales.....	2.27	2.21	2.18	2.19	2.17
Nonfarm inventories to final sales.....	2.11	2.04	2.02	2.02	2.01
Nonfarm inventories to final sales of goods and structures.....	3.75	3.64	3.60	3.64	3.61

1. Inventories are as of the end of the quarter. The quarter-to-quarter changes calculated from this table are at quarterly rates, whereas the change in private 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 of general government, and it includes a small amount of final sales by farm and by government enterprises.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS). Chained (1996) dollar inventory series are calculated to ensure that the chained (1996) dollar change in inventories for 1996 equals the current-dollar change in inventories for 1996 and that the average of the 1995 and 1996 end-of-year chain-weighted and fixed-weighted inventories are equal. Chained (1996) dollar final sales are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines for inventories.

6. Income and Employment by Industry

Table 6.1C. National Income Without Capital Consumption Adjustment by Industry Group
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
National income without capital consumption adjustment	7,958.7	8,053.5	8,055.7	7,972.8	8,073.8	8,157.7	8,238.2
Domestic industries	7,935.3	8,031.5	8,044.2	7,937.6	8,071.9	8,177.7	8,251.1
Private industries	6,928.0	6,969.4	6,974.4	6,857.4	6,970.6	7,066.7	7,129.8
Agriculture, forestry, and fishing	109.7	111.1	113.8	110.6	116.8	101.8	.....
Mining	62.9	69.5	68.4	60.8	58.2	57.5	.....
Construction	422.9	438.9	444.1	435.0	439.3	443.1	.....
Manufacturing	1,250.7	1,132.2	1,133.3	1,075.3	1,092.9	1,123.0	.....
Durable goods	729.2	640.5	634.9	597.0	610.3	628.9	.....
Nondurable goods	521.4	491.8	498.3	478.3	482.6	494.1	.....
Transportation and public utilities	530.5	529.9	535.8	496.1	508.5	516.6	.....
Transportation	243.7	236.6	238.5	226.0	231.0	232.7	.....
Communications	149.4	148.4	150.5	137.1	139.8	138.2	.....
Electric, gas, and sanitary services	137.4	144.9	146.8	132.9	137.6	145.6	.....
Wholesale trade	481.1	458.4	459.8	452.7	457.4	463.9	.....
Retail trade	659.1	686.1	691.8	686.1	695.2	707.5	.....
Finance, insurance, and real estate	1,521.5	1,571.1	1,542.1	1,578.9	1,613.2	1,640.7	.....
Services	1,889.8	1,972.0	1,985.4	1,961.8	1,989.1	2,012.7	.....
Government	1,007.3	1,062.1	1,069.9	1,080.2	1,101.4	1,111.1	1,121.3
Rest of the world	23.4	21.9	11.5	35.2	1.9	-20.0	-12.9

NOTE. Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table 6.16C. Corporate Profits by Industry Group
[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Corporate profits with inventory valuation and capital consumption adjustments	788.1	731.6	687.2	811.4	797.6	785.0	770.9
Domestic industries	644.8	580.9	545.3	646.7	665.6	669.9	655.0
Financial	183.0	173.5	142.3	197.8	213.2	210.7	203.5
Nonfinancial	461.8	407.4	403.0	449.0	452.4	459.3	451.5
Rest of the world	143.3	150.8	141.8	164.7	132.0	115.1	115.9
Receipts from the rest of the world	203.8	172.4	167.2	156.1	161.4	173.4	181.1
Less: Payments to the rest of the world	60.5	21.6	25.3	-8.5	29.4	58.3	65.2
Corporate profits with inventory valuation adjustment	767.3	675.1	663.2	626.3	641.3	652.2	653.3
Domestic industries	624.0	524.4	521.4	461.6	509.3	537.1	537.4
Financial	201.0	190.6	162.7	200.1	218.2	218.5	212.3
Federal Reserve banks	30.0	27.9	27.3	25.0	23.4	23.9	22.9
Other	171.0	162.8	135.4	175.2	194.8	194.6	189.5
Nonfinancial	423.0	333.7	358.7	261.5	291.1	318.6	325.0
Manufacturing	159.8	83.4	91.1	50.9	68.9	91.9	.....
Durable goods	61.5	9.9	11.6	-14.9	2.5	17.8	.....
Primary metal industries	1.0	-1.6	-1	-2.2	.5	.3	.....
Fabricated metal products	15.4	9.0	8.5	6.8	5.2	5.8	.....
Industrial machinery and equipment	14.2	-6	-5.2	-7.5	-4.9	-2.9	.....
Electronic and other electric equipment	5.5	-3.2	-4.6	-8.4	-6.2	-9	.....
Motor vehicles and equipment	-2.2	-9.4	-6.4	-13.3	-11.8	-4.4	.....
Other	27.6	15.7	19.4	9.7	19.7	20.0	.....
Nondurable goods	98.3	73.5	79.5	65.8	66.4	74.1	.....
Food and kindred products	25.8	16.6	17.8	18.3	18.9	19.2	.....
Chemicals and allied products	17.2	15.2	18.0	18.5	15.1	16.7	.....
Petroleum and coal products	26.1	25.7	25.0	19.4	14.1	15.4	.....
Other	29.1	16.0	18.8	9.5	18.3	22.8	.....
Transportation and public utilities	36.6	27.7	33.3	6.5	15.0	17.1	.....
Transportation	12.8	1.2	1.8	-5.1	-5	-1.7	.....
Communications	-5.5	-5.8	-3.9	-11.2	-9.3	-12.7	.....
Electric, gas, and sanitary services	29.4	32.2	35.3	22.7	24.8	31.4	.....
Wholesale trade	62.1	44.8	45.9	46.9	41.2	44.8	.....
Retail trade	73.4	79.1	82.6	80.5	81.4	86.0	.....
Other	91.0	98.8	105.7	76.7	84.6	78.9	.....
Rest of the world	143.3	150.8	141.8	164.7	132.0	115.1	115.9

NOTE. Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

7. Quantity and Price Indexes

Table 7.1. Quantity and Price Indexes for Gross Domestic Product
[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted					2000	2001	Seasonally adjusted									
			2001		2002					2001		2002							
			III	IV	I	II	III			III	IV	I	II	III					
Gross domestic product:																			
Current dollars	125.74	129.04	129.24	129.95	132.00	132.81	134.44												
Chain-type quantity index	117.64	117.94	117.58	118.37	119.84	120.21	121.39												
Chain-type price index	106.89	109.42	109.92	109.78	110.14	110.48	110.75												
Implicit price deflator	106.89	109.42	109.92	109.78	110.14	110.48	110.75												
Personal consumption expenditures:																			
Current dollars	127.61	133.40	133.34	135.56	136.98	138.51	140.53												
Chain-type quantity index	118.83	121.76	121.64	123.42	124.37	124.92	126.19												
Chain-type price index	107.39	109.56	109.62	109.84	110.14	110.89	111.37												
Implicit price deflator	107.39	109.56	109.62	109.84	110.14	110.89	111.37												
Durable goods:																			
Current dollars	130.40	135.60	133.66	143.17	139.34	139.01	145.71												
Chain-type quantity index	142.58	151.16	149.66	160.91	158.30	159.08	167.56												
Chain-type price index	91.46	89.70	89.29	88.95	88.00	87.36	86.94												
Implicit price deflator	91.46	89.70	89.31	88.97	88.02	87.38	86.96												
Nondurable goods:																			
Current dollars	125.34	129.68	129.88	129.88	132.47	133.93	134.46												
Chain-type quantity index	116.50	118.79	118.69	119.76	122.07	122.03	122.32												
Chain-type price index	107.59	109.17	109.42	108.45	108.52	109.75	109.92												
Implicit price deflator	107.59	109.17	109.42	108.45	108.52	109.75	109.92												
Services:																			
Current dollars	128.22	134.88	135.07	136.95	138.83	140.78	142.63												
Chain-type quantity index	115.67	117.98	118.07	118.69	119.54	120.32	120.99												
Chain-type price index	110.85	114.32	114.40	115.39	116.15	117.00	117.89												
Implicit price deflator	110.85	114.32	114.40	115.38	116.14	117.00	117.89												
Gross private domestic investment:																			
Current dollars	141.26	127.62	126.73	120.77	125.49	127.78	128.28												
Chain-type quantity index	141.86	126.71	125.75	119.93	125.05	127.46	128.43												
Chain-type price index	99.60	100.76	100.79	100.73	100.35	100.24	99.89												
Implicit price deflator	99.58	100.73	100.78	100.70	100.35	100.25	99.88												
Fixed investment:																			
Current dollars	139.51	135.76	134.86	131.71	131.06	130.66	130.30												
Chain-type quantity index	139.52	134.20	133.23	130.16	129.99	129.68	129.72												
Chain-type price index	100.00	101.16	101.22	101.19	100.82	100.76	100.45												
Implicit price deflator	100.00	101.16	101.23	101.19	100.82	100.76	100.45												
Nonresidential:																			
Current dollars	140.73	133.59	132.09	127.83	125.28	124.06	123.41												
Chain-type quantity index	147.23	139.55	138.06	134.13	132.13	131.32	131.08												
Chain-type price index	95.59	95.73	95.69	95.31	94.82	94.48	94.15												
Implicit price deflator	95.59	95.73	95.68	95.31	94.81	94.47	94.14												
Structures:																			
Current dollars	139.66	144.22	147.56	134.38	128.16	122.30	115.43												
Chain-type quantity index	122.47	120.43	122.82	112.30	108.09	102.97	97.20												
Chain-type price index	114.04	119.76	120.14	119.66	118.56	118.77	118.75												
Implicit price deflator	114.04	119.76	120.14	119.67	118.57	118.78	118.75												
Equipment and software:																			
Current dollars	141.09	130.05	126.94	125.65	124.32	124.65	126.07												
Chain-type quantity index	156.58	146.51	143.28	142.39	141.41	142.55	144.83												
Chain-type price index	90.11	88.76	88.60	88.26	87.93	87.46	87.06												
Implicit price deflator	90.11	88.76	88.59	88.25	87.92	87.44	87.05												
Residential:																			
Current dollars	136.00	141.98	142.81	142.83	147.67	149.63	150.10												
Chain-type quantity index	118.88	119.22	119.50	118.44	122.44	123.25	123.90												
Chain-type price index	114.40	119.09	119.50	120.60	120.61	121.40	121.15												
Implicit price deflator	114.40	119.09	119.51	120.60	120.61	121.40	121.15												
Exports of goods and services:																			
Current dollars	125.97	118.30	115.05	111.09	111.82	116.47	118.45												
Chain-type quantity index	130.09	123.10	119.89	116.89	117.89	121.89	122.89												
Chain-type price index	96.83	96.10	96.00	95.06	94.88	95.58	96.42												
Implicit price deflator	96.83	96.10	96.00	95.03	94.85	95.55	96.38												
Exports of goods:																			
Current dollars	126.94	118.62	114.57	111.20	109.93	114.71	116.90												
Chain-type quantity index	134.98	126.97	122.89	120.40	119.36	123.84	125.14												
Chain-type price index	94.05	93.42	93.26	92.39	92.14	92.67	93.45												
Implicit price deflator	94.05	93.42	93.23	92.36	92.10	92.63	93.42												
Exports of services:																			
Current dollars	123.60	117.53	116.22	110.81	116.38	120.72	122.19												
Chain-type quantity index	118.91	114.18	112.87	108.77	114.24	117.18	117.52												
Chain-type price index	103.94	102.94	102.99	101.89	101.90	103.04	104.00												
Implicit price deflator	103.94	102.94	102.97	101.87	101.87	103.02	103.97												
Imports of goods and services:																			
Current dollars	152.28	143.60	136.89	136.60	138.87	149.90	152.42												
Chain-type quantity index	159.48	154.91	152.32	150.26	153.37	161.24	162.16												
Chain-type price index	95.49	92.70	89.93	90.97	90.61	93.03	94.06												
Implicit price deflator	95.49	92.70	89.87	90.91	90.55	92.97	94.00												
Imports of goods:																			
Current dollars	153.78	144.39	141.10	135.87	136.36	148.81	151.31												
Chain-type quantity index	162.51	157.18	154.54	153.24	154.63	164.44	166.09												
Chain-type price index	9																		

Table 7.2. Quantity and Price Indexes for Gross Domestic Product, Final Sales, and Purchases
[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted						
			2001		2002				
			III	IV	I	II	III		
Gross domestic product:									
Current dollars	125.74	129.04	129.24	129.95	132.00	132.81	134.44		
Chain-type quantity index	117.64	117.94	117.58	118.37	119.84	120.21	121.39		
Chain-type price index	106.89	109.42	109.92	109.78	110.14	110.48	110.75		
Implicit price deflator	106.89	109.42	109.92	109.78	110.14	110.48	110.75		
Final sales of domestic product:									
Current dollars	125.41	130.31	130.52	131.69	132.89	133.28	134.77		
Chain-type quantity index	117.19	118.95	118.60	119.81	120.51	120.49	121.53		
Chain-type price index	107.02	109.55	110.05	109.91	110.28	110.62	110.90		
Implicit price deflator	107.02	109.55	110.05	109.91	110.27	110.62	110.90		
Gross domestic purchases:									
Current dollars	128.95	132.00	131.74	132.84	135.07	136.70	138.40		
Chain-type quantity index	121.00	121.50	121.18	122.06	123.74	124.53	125.70		
Chain-type price index	106.58	108.65	108.72	108.84	109.15	109.77	110.10		
Implicit price deflator	106.58	108.65	108.72	108.83	109.15	109.77	110.10		
Final sales to domestic purchasers:									
Current dollars	128.64	133.27	133.01	134.57	135.96	137.18	138.75		
Chain-type quantity index	120.56	122.52	122.21	123.50	124.42	124.82	125.85		
Chain-type price index	106.70	108.78	108.84	108.97	109.28	109.90	110.25		
Implicit price deflator	106.70	108.78	108.84	108.97	109.28	109.90	110.24		
Addenda:									
Final sales of computers: ¹									
Current dollars	118.98	101.79	95.34	96.08	87.91	86.34	94.36		
Chain-type quantity index	385.10	420.15	405.16	431.75	423.11	436.31	506.48		
Chain-type price index	30.90	24.23	23.55	22.28	20.80	19.81	18.65		
Implicit price deflator	30.90	24.23	23.53	22.25	20.78	19.79	18.63		
Gross domestic product less final sales of computers:									
Current dollars	125.81	129.32	129.58	130.29	132.44	133.28	134.84		
Chain-type quantity index	116.22	116.43	116.10	116.84	118.31	118.66	119.70		
Chain-type price index	108.26	111.08	111.61	111.51	111.94	112.32	112.65		
Implicit price deflator	108.25	111.07	111.61	111.51	111.94	112.32	112.65		
Gross domestic purchases less final sales of computers:									
Current dollars	128.91	132.27	132.10	133.17	135.38	137.03	138.68		
Chain-type quantity index	119.18	119.61	119.34	120.11	121.68	122.43	123.48		
Chain-type price index	108.17	110.59	110.69	110.88	111.25	111.92	112.31		
Implicit price deflator	108.16	110.58	110.69	110.87	111.25	111.92	112.31		
Chain-type price indexes for gross domestic product:									
Food	107.11	110.45	111.09	111.58	112.23	112.31	112.70		
Energy goods and services	103.66	114.15	114.33	108.19	105.15	104.09	103.42		
Gross domestic product less food and energy:									
Chain-type price indexes for gross domestic purchases:									
Food	108.27	111.48	111.98	112.62	113.29	113.40	113.59		
Energy goods and services	113.74	116.41	116.03	104.96	102.60	109.54	110.53		
Gross domestic purchases less food and energy:									
Chain-type quantity index	106.12	108.05	108.08	108.62	109.01	109.42	109.74		

1. For some components of final sales of computers, includes computer parts.
NOTE. Percent changes from preceding period for selected items in this table are shown in table 8.1.

Table 7.3. Quantity and Price Indexes for Gross National Product and Command-Basis Gross National Product
[Index numbers, 1996=100]

	2000	2001	2001	2001	2002	2002	2002
			III	IV	I	II	III
Gross national product:							
Current dollars	125.75	129.02	129.09	130.10	131.72	132.25	133.96
Chain-type quantity index	117.69	117.96	117.48	118.54	119.62	119.73	120.98
Chain-type price index	106.86	109.39	109.89	109.75	110.11	110.45	110.73
Implicit price deflator	106.86	109.38	109.89	109.74	110.11	110.45	110.73
Less: Exports of goods and services and income receipts from the rest of the world:							
Chain-type quantity index	133.86	122.04	118.25	112.94	113.25	117.17	118.51
Plus: Command-basis exports of goods and services and income receipts from the rest of the world:							
Chain-type quantity index	135.45	125.93	125.05	117.44	118.00	120.18	121.30
Equals: Command-basis gross national product:							
Chain-type quantity index	117.91	118.51	118.45	119.19	120.30	120.16	121.38

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

Table 7.4. Chain-Type Quantity and Price Indexes for Personal Consumption Expenditures by Major Type of Product
[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted					
			2001		2002			
			III	IV	I	II	III	
Chain-type quantity indexes								
Personal consumption expenditures:	118.83	121.76	121.64	123.42	124.37	124.92	126.19	
Durable goods:	142.58	151.16	149.66	160.91	158.30	159.08	167.56	
Motor vehicles and parts	132.04	141.21	137.63	156.21	144.35	144.00	159.11	
Furniture and household equipment	157.89	168.03	168.67	174.62	180.78	183.72	186.33	
Other	137.54	142.19	141.97	145.09	149.38	149.34	151.93	
Nondurable goods:	116.50	118.79	118.69	119.76	122.07	122.03	122.32	
Food	111.84	112.85	112.51	112.87	114.69	114.42	114.14	
Clothing and shoes	127.39	130.61	130.36	133.34	137.62	137.32	137.52	
Gasoline, fuel oil, and other energy goods	107.11	108.21	108.68	109.75	112.53	111.98	112.76	
Gasoline and oil	109.29	111.75	112.65	113.88	116.85	116.51	117.15	
Fuel oil and coal	90.05	81.16	78.45	78.39	79.75	77.75	79.53	
Other	122.36	127.12	127.37	128.80	130.87	131.64	132.92	
Services:	115.67	117.98	118.07	118.69	119.54	120.32	120.99	
Housing	110.19	112.09	112.24	112.56	113.14	113.71	114.18	
Household operation	119.08	120.60	120.37	119.04	120.18	120.68	121.05	
Electricity and gas	106.45	104.46	102.80	101.13	103.65	103.79	105.30	
Other household operation	127.59	131.68	132.54	131.45	131.57	132.34	131.88	
Transportation	118.14	117.24	116.71	116.07	117.17	116.88	116.63	
Medical care	110.52	115.21	115.95	117.25	118.29	119.67	120.93	
Recreation	118.56	122.07	121.48	122.91	123.31	124.09	124.10	
Other	124.08	125.12	124.89	125.99	126.83	127.59	128.34	
Addenda:								
Energy goods and services ¹	106.67	106.37	105.88	105.63	108.28	108.07	109.19	
Personal consumption expenditures less food and energy:	120.91	124.42	124.37	126.55	127.23	127.98	129.57	
Chain-type price indexes								
Personal consumption expenditures:	107.39	109.56	109.62	109.84	110.14	110.89	111.37	
Durable goods:	91.46	89.70	89.29	88.95	88.00	87.36	86.94	
Motor vehicles and parts	99.47	99.84	99.51	99.79	98.86	98.10	98.30	
Furniture and household equipment	81.51	76.92	76.27	75.28	74.02	73.29	72.29	
Other	95.78	96.08	96.04	95.88	95.61	95.48	95.13	
Nondurable goods:	107.59	109.17	109.42	108.45	108.52	109.75	109.92	
Food	108.65	111.89	112.39	113.05	113.72	113.87	114.13	
Clothing and shoes	95.22	93.35	92.57	92.03	91.56	91.22	90.34	
Gasoline, fuel oil, and other energy goods	121.92	118.11	117.93	102.08	99.23	111.53	113.02	
Gasoline and oil	121.14	116.80	116.79	100.44	97.95	110.95	112.32	
Fuel oil and coal	129.05	130.74	128.91	119.25	112.27	115.93	118.84	
Other	109.40	112.01	112.63	113.04	113.31	114.14	114.46	
Services:	110.85	114.32	114.40	115.39	116.15	117.00	117.89	
Housing	112.77	117.15	117.76	119.08	120.34	121.35	122.21	
Household operation	102.23	106.18	105.99	105.08	104.71	104.71	105.63	
Electricity and gas	103.88	114.84	114.71	109.92	107.83	108.42	108.64	
Other household operation	101.39	101.45	101.26	102.41	102.95	102.65	103.94	
Transportation	105.86	108.08	108.04	108.20	108.92	110.10	110.52	
Medical care	110.19	114.27	114.27	115.53	116.16	116.90	117.69	
Recreation	112.81	116.58	117.05	117.80	118.43	119.71	120.57	
Other	114.26	116.35	116.05	117.51	118.44	119.44	120.57	
Addenda:								
Energy goods and services ¹	113.42	116.62	116.46	105.72	103.22	110.14	111.04	
Personal consumption expenditures less food and energy:	106.85	108.78	108.78	109.52	109.91	110.42	110.92	

1. Consists of gasoline, fuel oil, and other energy goods and of electricity and gas.

Table 7.6. Chain-Type Quantity and Price Indexes for Private Fixed Investment by Type

[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted				
			2001		2002		
			III	IV	I	II	III
Chain-type quantity indexes							
Private fixed investment	139.52	134.20	133.23	130.16	129.99	129.68	129.72
Nonresidential	147.23	139.55	138.06	134.13	132.13	131.32	131.08
Structures	122.47	120.43	122.82	112.30	108.09	102.97	97.20
Nonresidential buildings, including farm	118.94	110.52	107.73	101.14	97.17	91.65	85.93
Utilities	139.89	139.52	137.81	136.88	141.04	134.15	127.89
Mining exploration, shafts, and wells	128.11	161.41	170.23	164.84	143.20	143.55	144.40
Other structures	109.06	149.20	294.73	101.33	101.75	100.97	77.67
Equipment and software	156.58	146.51	143.28	142.39	141.41	142.55	144.83
Information processing equipment and software	203.04	190.92	185.67	185.12	188.13	193.91	200.52
Computers and peripheral equipment ¹	347.77	338.61	316.88	343.30	369.90	383.36	421.90
Software ²	193.80	191.35	189.69	189.82	188.10	193.67	198.93
Other	154.57	135.16	130.79	124.66	127.03	130.74	132.01
Industrial equipment	117.86	112.69	109.32	106.02	108.69	106.71	108.16
Transportation equipment	134.32	117.80	115.17	119.08	109.04	103.23	101.54
Other	129.24	125.83	126.05	121.77	120.36	125.33	125.55
Residential	118.88	119.22	119.50	118.44	122.44	123.25	123.90
Structures	118.79	119.12	119.42	118.30	122.35	123.17	123.82
Single family	120.06	121.05	121.95	120.22	123.91	124.70	125.93
Multifamily	113.04	120.21	119.55	123.31	132.84	131.98	130.28
Other structures	118.18	116.48	116.16	114.98	118.56	119.71	120.02
Equipment	123.30	123.67	123.07	125.10	126.36	127.32	127.23
Chain-type price indexes							
Private fixed investment	100.00	101.16	101.22	101.19	100.82	100.76	100.45
Nonresidential	95.59	95.73	95.69	95.31	94.82	94.48	94.15
Structures	114.04	119.76	120.14	119.66	118.56	118.77	118.75
Nonresidential buildings, including farm	116.44	121.05	121.40	122.47	122.43	122.97	122.77
Utilities	106.60	109.45	109.98	110.23	110.68	111.50	112.82
Mining exploration, shafts, and wells	107.97	125.45	125.56	116.10	106.93	104.41	102.99
Other structures	109.69	113.16	113.15	113.89	115.35	115.93	116.66
Equipment and software	90.11	88.76	88.60	88.26	87.93	87.46	87.06
Information processing equipment and software	76.62	73.72	73.29	72.52	71.96	71.31	70.76
Computers and peripheral equipment ¹	37.87	30.91	30.14	28.53	27.48	26.84	25.77
Software ²	97.28	99.10	98.99	99.05	98.99	98.24	98.42
Other	92.93	91.37	91.14	90.86	90.68	90.39	90.13
Industrial equipment	102.55	103.40	103.45	103.54	103.42	103.33	103.67
Transportation equipment	101.67	101.32	101.68	101.78	101.73	101.25	100.15
Other	103.84	105.16	105.26	105.60	105.70	105.58	105.80
Residential	114.40	119.09	119.50	120.60	120.61	121.40	121.15
Structures	114.81	119.61	120.03	121.16	121.16	121.98	121.74
Single family	115.50	120.50	120.77	122.47	122.30	123.10	122.50
Multifamily	123.00	125.60	125.50	126.98	126.81	127.64	127.02
Other structures	112.60	117.49	118.20	118.49	118.76	119.62	119.91
Equipment	98.10	98.50	98.52	98.50	98.66	98.14	97.91

1. Includes new computers and peripheral equipment only.

2. Excludes software "embedded," or bundled, in computers and other equipment.

Table 7.9. Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services and for Receipts and Payments of Income

[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted				
			2001		2002		
			III	IV	I	II	III
Chain-type quantity indexes							
Exports of goods and services	130.09	123.10	119.89	116.89	117.89	121.89	122.89
Goods ¹	134.98	126.97	122.89	120.40	119.36	123.84	125.14
Durable	144.14	132.39	127.61	122.68	121.50	127.18	129.64
Nondurable	115.25	115.23	112.64	115.45	114.72	116.56	115.37
Services ¹	118.91	114.18	112.87	108.77	114.24	117.18	117.52
Income receipts	146.19	118.90	113.25	100.73	98.87	102.55	104.95
Imports of goods and services	159.48	154.91	152.32	150.26	153.37	161.24	162.16
Goods ¹	162.51	157.18	154.54	153.24	154.63	164.44	166.09
Durable	173.28	162.31	158.62	157.17	160.51	171.12	171.93
Nondurable	142.38	146.27	145.38	144.37	142.32	150.62	153.60
Services ¹	144.47	143.71	141.21	134.98	145.69	144.92	142.64
Income payments	146.65	118.35	116.43	93.68	105.14	117.90	117.69
Chain-type price indexes							
Exports of goods and services	96.83	96.10	96.00	95.06	94.88	95.58	96.42
Goods ¹	94.05	93.42	93.26	92.39	92.14	92.67	93.45
Durable	93.72	93.56	93.45	93.16	93.17	93.13	93.22
Nondurable	95.00	93.17	92.86	90.64	89.78	91.61	94.03
Services ¹	103.94	102.94	102.99	101.89	101.90	103.04	104.00
Income receipts	106.80	108.55	108.60	108.73	109.02	109.61	110.00
Imports of goods and services	95.49	92.70	89.93	90.97	90.61	93.03	94.06
Goods ¹	94.63	91.87	91.36	88.71	88.24	90.55	91.15
Durable	88.80	87.16	86.83	86.05	85.60	85.67	85.65
Nondurable	107.89	102.59	101.65	95.04	94.52	101.73	103.73
Services ¹	99.97	97.03	81.38	104.08	104.37	107.43	110.97
Income payments	107.92	109.57	109.67	109.66	109.86	110.36	110.69

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

Table 7.10. Chain-Type Quantity and Price Indexes for Exports and Imports of Goods and Services by Type of Product
[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted					2000	2001	Seasonally adjusted					
			2001		2002					2001		2002			
			III	IV	I	II	III			III	IV	I	II	III	
Chain-type quantity indexes							Chain-type price indexes								
Exports of goods and services	130.09	123.10	119.89	116.89	117.89	121.89	122.89	Exports of goods and services	96.83	96.10	96.00	95.06	94.88	95.58	96.42
Exports of goods ¹	134.98	126.97	122.89	120.40	119.36	123.84	125.14	Exports of goods ¹	94.05	93.42	93.26	92.39	92.14	92.67	93.45
Foods, feeds, and beverages	109.03	112.18	109.12	113.67	114.08	110.45	107.29	Foods, feeds, and beverages	79.06	79.31	80.47	78.70	78.42	79.17	83.27
Industrial supplies and materials	119.61	114.96	112.66	113.29	112.39	117.52	115.76	Industrial supplies and materials	98.76	95.78	94.95	92.18	91.42	93.92	95.88
Durable goods	132.52	121.06	117.09	115.10	114.84	121.59	119.83	Durable goods	94.21	92.53	92.61	91.45	91.50	92.42	93.38
Nondurable goods	112.44	111.41	109.99	112.06	110.81	115.02	113.26	Nondurable goods	101.67	97.85	96.45	92.73	91.49	94.92	97.48
Capital goods, except automotive	155.85	140.47	133.34	126.71	124.79	129.40	132.98	Capital goods, except automotive	90.45	90.44	90.23	90.00	90.02	89.79	89.63
Civilian aircraft, engines, and parts ...	140.15	145.39	144.43	131.17	133.90	135.55	151.20	Civilian aircraft, engines, and parts ...	111.44	117.54	118.19	118.93	119.65	120.08	120.94
Computers, peripherals, and parts ...	195.19	172.40	162.63	154.95	146.04	145.85	145.78	Computers, peripherals, and parts ...	65.08	63.09	62.60	61.79	61.21	60.61	59.43
Other	151.91	133.48	125.48	120.52	118.71	124.73	126.15	Other	93.31	92.86	92.59	92.36	92.42	92.17	92.10
Automotive vehicles, engines, and parts	120.70	112.92	115.39	111.16	110.26	120.04	122.90	Automotive vehicles, engines, and parts	102.39	102.74	102.83	102.74	103.01	103.07	103.28
Consumer goods, except automotive ...	126.55	125.52	121.55	119.81	117.51	120.66	122.81	Consumer goods, except automotive ...	100.82	100.46	100.46	100.66	99.90	99.66	99.91
Durable goods	129.97	128.91	124.84	120.65	119.61	123.76	125.37	Durable goods	100.77	100.88	100.88	101.21	100.81	100.27	100.39
Nondurable goods	122.99	121.99	118.13	118.97	115.32	117.42	120.15	Nondurable goods	100.86	99.99	99.99	100.06	98.91	99.01	99.38
Other	133.84	132.94	127.84	134.17	139.16	143.00	142.14	Other	97.75	97.34	97.25	96.37	96.13	96.86	97.87
Exports of services ¹	118.91	114.18	112.87	108.77	114.24	117.18	117.52	Exports of services ¹	103.94	102.94	102.99	101.89	101.90	103.04	104.00
Transfers under U.S. military agency								Transfers under U.S. military agency							
sales contracts	88.45	79.09	79.67	83.20	79.67	83.08	77.37	sales contracts	98.79	96.95	97.23	95.68	95.32	95.68	95.48
Travel	106.07	93.87	91.80	77.24	90.11	89.85	91.82	Travel	111.20	111.68	111.47	109.41	109.25	110.60	110.44
Passenger fares	96.81	83.16	83.05	67.24	77.45	77.54	76.44	Passenger fares	105.05	106.08	106.70	105.76	105.53	106.36	114.72
Other transportation	107.49	102.07	100.07	98.19	100.51	100.43	97.84	Other transportation	107.54	106.37	106.87	104.33	102.54	106.01	107.59
Royalties and license fees	114.06	109.54	108.03	109.42	113.85	119.51	119.78	Royalties and license fees	106.95	108.72	108.76	108.89	109.18	109.77	110.16
Other private services	153.94	164.44	163.96	168.96	168.24	174.52	174.81	Other private services	93.94	90.79	90.57	90.09	90.68	91.72	92.65
Other	107.18	96.08	94.12	94.80	98.98	104.34	107.90	Other	120.44	120.46	121.42	119.44	118.50	118.21	117.98
Imports of goods and services	159.48	154.91	152.32	150.26	153.37	161.24	162.16	Imports of goods and services	95.49	92.70	89.93	90.97	90.61	93.03	94.06
Imports of goods ¹	162.51	157.18	154.54	153.24	154.63	164.44	166.09	Imports of goods ¹	94.63	91.87	91.36	88.71	88.24	90.55	91.15
Foods, feeds, and beverages	138.38	144.74	149.98	147.33	149.04	152.82	153.78	Foods, feeds, and beverages	93.04	90.23	89.11	89.45	89.21	90.50	91.66
Industrial supplies and materials, except								Industrial supplies and materials, except							
petroleum and products	133.52	128.51	127.11	126.66	128.49	131.91	134.94	petroleum and products	103.39	102.44	98.60	94.09	93.06	96.41	96.81
Durable goods	136.82	128.33	126.14	127.86	130.97	131.98	135.86	Durable goods	102.43	98.78	98.42	94.11	93.84	95.49	95.74
Nondurable goods	130.01	128.38	127.77	125.13	125.63	131.50	133.67	Nondurable goods	104.55	106.41	99.04	94.28	92.47	97.59	98.14
Petroleum and products	118.52	122.65	118.10	119.23	113.11	121.82	117.53	Petroleum and products	139.40	116.10	119.36	93.36	93.17	122.01	129.50
Capital goods, except automotive	198.28	175.36	165.67	162.89	167.52	174.57	173.43	Capital goods, except automotive	76.74	74.51	74.10	73.37	72.67	72.51	72.34
Civilian aircraft, engines, and parts ...	188.27	215.81	210.36	221.53	197.04	168.58	151.81	Civilian aircraft, engines, and parts ...	110.56	114.68	115.39	115.78	116.05	116.45	117.67
Computers, peripherals, and parts ...	248.13	224.98	213.39	220.78	245.29	248.65	245.97	Computers, peripherals, and parts ...	58.81	53.47	52.43	50.53	50.23	50.17	49.48
Other	181.85	153.73	144.22	137.29	140.29	152.35	153.51	Other	82.51	81.43	81.25	81.11	80.04	79.77	79.83
Automotive vehicles, engines, and parts	149.33	144.79	146.62	142.87	145.23	158.09	160.32	Automotive vehicles, engines, and parts	101.73	101.66	101.44	101.81	101.70	101.81	102.02
Consumer goods, except automotive ...	170.79	173.70	172.24	170.94	175.71	189.68	194.92	Consumer goods, except automotive ...	95.95	95.17	95.10	94.72	94.40	94.12	94.20
Durable goods	177.98	176.62	174.00	174.61	182.15	201.09	199.92	Durable goods	93.03	91.93	91.78	91.20	90.77	90.54	90.36
Nondurable goods	163.30	170.62	170.33	167.10	169.03	177.92	189.67	Nondurable goods	99.20	98.80	98.82	98.68	98.48	98.14	98.54
Other	172.78	175.02	177.09	183.36	167.51	184.22	189.84	Other	100.49	100.11	99.31	98.92	98.68	99.00	99.30
Imports of services ¹	144.47	143.71	141.21	134.98	145.69	144.92	142.64	Imports of services ¹	99.97	97.03	81.38	104.08	104.37	107.43	110.97
Direct defense expenditures	140.29	158.92	156.70	182.87	190.22	190.62	183.42	Direct defense expenditures	87.62	86.72	87.57	86.32	82.94	87.74	94.15
Travel	139.48	132.22	126.87	113.80	131.42	126.80	123.46	Travel	96.68	94.63	94.94	94.72	93.18	97.20	102.28
Passenger fares	132.04	111.68	114.56	87.90	101.37	99.25	97.29	Passenger fares	116.38	126.91	131.05	127.89	127.76	130.81	140.45
Other transportation	129.19	122.45	115.83	118.48	120.62	131.09	127.44	Other transportation	117.50	115.69	115.74	110.93	109.22	110.40	112.44
Royalties and license fees	192.19	191.99	193.03	192.65	221.31	208.87	200.54	Royalties and license fees	106.97	108.70	108.74	108.87	109.16	109.75	110.14
Other private services	164.83	183.69	186.88	175.52	181.81	180.22	182.11	Other private services	88.27	78.26	27.26	103.74	107.88	111.03	112.56
Other	113.45	119.89	120.68	122.42	126.33	123.63	122.53	Other	104.60	104.05	104.23	102.95	102.37	104.86	106.85
Addenda:								Addenda:							
Exports of agricultural goods ²	111.07	114.66	112.06	118.23	117.65	114.27	107.32	Exports of agricultural goods ²	77.32	77.86	79.19	76.81	76.19	76.96	81.21
Exports of nonagricultural goods	137.44	128.37	124.16	120.87	119.78	124.98	127.05	Exports of nonagricultural goods	95.66	94.93	94.62	93.90	93.69	94.19	94.64
Imports of nonpetroleum goods	166.60	160.02	157.65	156.08	158.25	168.10	170.56	Imports of nonpetroleum goods	91.63	90.36	89.55	88.64	88.14	88.57	88.70

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment are reclassified from goods to services.

2. Includes parts of foods, feeds, and beverages, of nondurable industrial supplies and materials, and of nondurable nonautomotive consumer goods.

Table 7.11. Chain-Type Quantity and Price Indexes for Government Consumption Expenditures and Gross Investment by Type

[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted					2000	2001	Seasonally adjusted					
			2001		2002					2001		2002			
			III	IV	I	II	III			III	IV	I	II	III	
	Chain-type quantity indexes						Chain-type price indexes								
Government consumption expenditures and gross investment ¹	111.29	115.36	114.87	117.76	119.37	119.79	120.69	Government consumption expenditures and gross investment ¹	110.65	113.27	113.37	113.27	114.27	115.06	115.47
Federal	102.42	107.33	107.01	110.46	112.46	114.50	115.71	Federal	108.23	110.09	110.30	110.18	112.42	113.07	113.40
National defense	97.66	102.51	102.38	105.87	108.82	110.87	112.79	National defense	107.53	109.27	109.51	109.21	111.14	111.71	112.07
Consumption expenditures	97.27	102.17	101.61	105.55	108.05	110.42	111.82	Consumption expenditures	109.28	111.50	111.76	111.55	113.89	114.56	115.01
Durable goods ²	108.05	116.02	125.48	115.45	118.29	118.91	126.46	Durable goods ²	99.36	99.37	99.29	99.31	99.52	99.72	99.66
Nondurable goods	122.09	129.00	127.68	147.67	149.88	152.03	151.30	Nondurable goods	110.73	106.08	106.74	99.09	94.31	99.84	103.19
Services	95.86	100.50	99.27	103.74	106.22	108.71	109.75	Services	109.95	112.61	112.89	112.95	115.74	116.26	116.65
Compensation of general government employees, except own-account investment ³	90.55	91.09	90.94	91.13	91.99	93.03	93.57	Compensation of general government employees, except own-account investment ³	114.75	118.58	118.91	118.68	124.71	125.19	125.33
Consumption of general government fixed capital ⁴	99.21	99.03	99.00	99.01	99.06	99.22	99.42	Consumption of general government fixed capital ⁴	101.74	101.84	101.84	101.89	102.30	102.37	102.47
Other services	102.45	118.09	114.02	129.50	136.73	143.65	146.22	Other services	108.92	111.79	112.19	112.61	113.04	113.84	114.66
Gross investment	100.36	104.87	107.51	108.08	113.93	113.83	119.28	Gross investment	97.62	96.77	96.88	96.11	95.88	95.89	95.75
Structures	69.33	68.01	62.97	70.49	63.21	66.47	66.91	Structures	114.80	118.80	119.09	119.97	120.94	121.56	121.75
Equipment and software	105.09	110.58	114.54	113.87	122.04	121.32	127.64	Equipment and software	95.67	94.40	94.48	93.58	93.26	93.23	93.06
Nondefense	112.06	117.10	116.40	119.78	119.91	121.93	121.73	Nondefense	109.55	111.64	111.80	111.99	114.79	115.61	115.88
Consumption expenditures	107.56	112.76	112.89	114.55	114.99	116.48	117.36	Consumption expenditures	111.85	114.18	114.40	114.58	118.21	119.31	119.69
Durable goods ²								Durable goods ²							
Nondurable goods								Nondurable goods							
Commodity Credit Corporation inventory change								Commodity Credit Corporation inventory change							
Other nondurables	79.78	111.07	113.29	119.91	127.22	135.70	129.39	Other nondurables	107.67	108.99	109.05	105.96	106.60	111.34	113.40
Services	107.82	111.72	112.35	113.74	113.95	114.83	116.22	Services	112.33	114.75	114.97	115.30	119.16	120.07	120.41
Compensation of general government employees, except own-account investment ³	103.98	103.40	103.76	103.41	103.95	103.75	105.08	Compensation of general government employees, except own-account investment ³	117.84	120.51	120.74	121.05	128.03	129.63	130.09
Consumption of general government fixed capital ⁴	145.07	155.81	157.08	159.86	162.56	165.47	168.46	Consumption of general government fixed capital ⁴	100.98	102.45	102.42	102.71	102.68	102.44	102.36
Other services	99.73	109.87	110.77	115.13	113.63	115.97	116.86	Other services	107.77	110.27	110.60	110.99	111.93	112.39	112.79
Gross investment	133.55	137.77	132.82	144.89	143.43	148.22	142.25	Gross investment	100.21	101.39	101.33	101.55	101.39	101.18	101.04
Structures	85.50	80.33	75.34	88.85	101.08	91.85	84.93	Structures	113.37	116.73	116.90	117.67	117.97	118.42	118.87
Equipment and software	161.93	172.20	167.40	178.17	167.59	181.69	176.56	Equipment and software	95.00	95.58	95.47	95.55	95.26	94.85	94.55
State and local	116.52	120.11	119.51	122.09	123.47	122.95	123.68	State and local	111.98	115.01	115.06	114.97	115.29	116.17	116.62
Consumption expenditures	114.39	117.93	118.62	119.84	120.56	121.04	121.53	Consumption expenditures	112.85	115.99	116.04	115.79	116.19	117.19	117.74
Durable goods ²	131.64	139.80	140.85	143.12	145.10	146.72	148.34	Durable goods ²	99.40	100.11	100.18	100.29	100.58	100.67	100.55
Nondurable goods	128.91	136.09	136.83	138.57	139.93	140.90	141.89	Nondurable goods	110.67	109.20	108.93	102.88	103.13	106.74	108.07
Services	112.38	115.40	116.08	117.22	117.84	118.25	118.66	Services	113.32	117.18	117.28	117.89	118.31	118.94	119.39
Compensation of general government employees, except own-account investment ³	106.51	108.72	109.39	110.19	110.53	110.79	111.11	Compensation of general government employees, except own-account investment ³	114.40	118.80	119.24	120.18	120.79	121.53	122.34
Consumption of general government fixed capital ⁴	123.97	129.92	130.67	132.15	133.88	135.17	136.31	Consumption of general government fixed capital ⁴	105.84	107.64	107.56	107.92	107.94	108.04	107.99
Other services	216.70	231.02	231.64	240.18	245.08	246.56	247.11	Other services	113.15	114.44	111.10	108.42	107.45	107.86	105.27
Gross investment	126.05	129.86	123.28	132.17	136.57	131.41	133.27	Gross investment	108.41	111.00	111.01	111.60	111.62	111.97	112.02
Structures	118.54	121.33	112.62	123.86	130.10	123.97	126.21	Structures	115.26	119.49	119.49	120.67	120.81	121.47	121.72
Equipment and software	151.59	159.28	161.43	160.55	157.30	156.32	156.54	Equipment and software	90.20	88.96	88.99	88.28	88.02	87.62	87.16
Addenda:								Addenda:							
Compensation of general government employees ⁵	103.53	105.41	105.89	106.48	106.98	107.30	107.79	Compensation of general government employees ⁵	114.80	118.94	119.34	120.04	122.10	122.88	123.56
Federal	95.43	95.56	95.60	95.59	96.38	96.94	97.81	Federal	115.93	119.30	119.59	119.58	125.98	126.91	127.18
State and local ⁵	106.66	109.21	109.87	110.69	111.06	111.29	111.63	State and local ⁵	114.41	118.80	119.25	120.19	120.80	121.53	122.34

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software. The compensation of all

general government employees is shown in the addenda.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

5. Beginning with 2001, in accordance with the Consolidated Appropriations Act of 2001, includes compensation of employees of Indian tribal governments reclassified from the private sector.

Table 7.14. Chain-Type Quantity and Price Indexes for Gross Domestic Product by Sector

[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted				
			2001		2002		
			III	IV	I	II	III
Chain-type quantity indexes							
Gross domestic product	117.64	117.94	117.58	118.37	119.84	120.21	121.39
Business ¹	119.69	119.56	119.03	119.88	121.52	121.86	123.15
Nonfarm ²	119.58	119.51	119.03	119.73	121.43	121.86	123.14
Nonfarm less housing	120.58	120.48	119.93	120.81	122.67	122.95	124.56
Housing	110.61	110.86	111.00	110.18	110.59	112.17	110.73
Farm	130.69	124.00	117.52	134.98	129.90	120.17	122.49
Households and institutions	111.56	114.39	114.86	115.04	115.74	116.59	117.39
Private households	99.77	84.25	81.84	75.03	72.41	73.19	73.97
Nonprofit institutions	111.99	115.49	116.07	116.49	117.31	118.17	118.97
General government ³	105.50	107.69	108.18	108.83	109.42	109.84	110.40
Federal	99.12	99.77	99.87	100.02	100.78	101.39	102.24
State and local	108.50	111.40	112.06	112.95	113.46	113.79	114.22
Chain-type price indexes							
Gross domestic product	106.89	109.42	109.92	109.78	110.14	110.48	110.75
Business ¹	105.93	108.23	108.73	108.47	108.65	108.89	109.07
Nonfarm ²	106.53	108.78	109.22	109.11	109.16	109.59	109.67
Nonfarm less housing	105.94	107.97	108.39	108.11	108.02	108.39	108.40
Housing	112.20	116.62	117.20	118.89	120.25	121.22	122.12
Farm	64.58	70.50	75.07	64.85	73.18	61.18	67.77
Households and institutions	110.86	115.28	116.17	116.37	117.13	118.47	119.95
Private households	113.22	117.43	117.77	118.44	120.48	121.29	122.18
Nonprofit institutions	110.78	115.20	116.11	116.30	117.03	118.38	119.87
General government ³	112.88	116.48	116.80	117.42	119.13	119.77	120.32
Federal	111.74	114.23	114.44	114.47	118.97	119.60	119.80
State and local	113.41	117.47	117.85	118.71	119.25	119.90	120.60

1. Equals gross domestic product less gross product of households and institutions and of general government.

2. Equals gross domestic business product less gross farm product.

3. Equals compensation of general government employees plus general government consumption of fixed capital.

Table 7.15. Price, Costs, and Profit Per Unit of Real Gross Product of Nonfinancial Corporate Business

[Dollars]

Price per unit of real gross product of nonfinancial corporate business ¹	1.029	1.041	1.048	1.039	1.037	1.036	1.034
Compensation of employees (unit labor cost)	.688	.695	.698	.684	.682	.680	.680
Unit nonlabor cost	.250	.267	.272	.268	.268	.269	.271
Consumption of fixed capital	.116	.127	.134	.127	.128	.129	.130
Indirect business tax and nontax liability plus business transfer payments less subsidies	.099	.102	.099	.103	.103	.103	.104
Net interest	.035	.038	.039	.038	.037	.037	.037
Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production)	.090	.079	.079	.087	.086	.087	.084
Profits tax liability	.033	.024	.025	.018	.023	.025	.025
Profits after tax with inventory valuation and capital consumption adjustments	.056	.055	.053	.068	.064	.062	.059

1. The implicit price deflator for gross product of nonfinancial corporate business divided by 100.
NOTE: Effective November 26, 2002, the estimates beginning with 1999 have been revised to reflect revisions to the industry-based price indexes for gross product of nonfinancial corporate business.

Table 7.16B. Implicit Price Deflators for Private Inventories by Industry
[Index numbers, 1996=100]

	Seasonally adjusted				
	2001		2002		
	III	IV	I	II	III
Private inventories ¹	99.48	98.04	98.48	98.99	99.28
Farm	96.33	95.07	97.32	96.53	93.35
Construction, mining, and utilities	102.19	98.19	97.69	104.47	104.20
Manufacturing	100.17	98.32	98.96	99.45	100.13
Durable goods industries	99.16	98.34	98.41	98.81	98.63
Nondurable goods industries	101.93	98.36	99.93	100.57	102.63
Wholesale trade	95.89	94.34	94.85	95.62	96.80
Durable goods industries	91.83	91.33	91.26	91.66	91.67
Nondurable goods industries	103.00	99.73	101.16	102.50	105.47
Retail trade	102.65	102.00	102.00	101.98	102.06
Motor vehicle dealers	100.28	99.48	98.93	98.59	98.15
Food and beverage stores	110.05	109.59	110.32	109.41	109.63
General merchandise stores	103.07	102.86	102.59	102.62	102.66
Other retail stores	103.00	102.26	102.61	102.96	103.42
Other industries	100.95	99.52	99.07	99.71	99.81
Addenda:					
Private inventories	99.48	98.04	98.48	98.99	99.28
Durable goods industries	97.14	96.49	96.41	96.68	96.57
Nondurable goods industries	102.01	99.82	100.74	101.49	102.13
Nonfarm industries	99.79	98.34	98.63	99.25	99.81
Wholesale trade	95.89	94.34	94.85	95.62	96.80
Merchant wholesale trade	95.30	94.12	94.44	95.10	96.23
Durable goods industries	91.66	91.15	91.07	91.49	91.51
Nondurable goods industries	101.74	99.45	100.39	101.44	104.28
Nonmerchant wholesale trade	99.54	95.65	97.39	98.80	100.30

1. Implicit price deflators are as of the end of the quarter and are consistent with the inventory stocks shown in tables 5.12B and 5.13B.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS).

Table 7.17. Chain-Type Quantity Indexes for Gross Domestic Product by Major Type of Product
[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted				
			2001		2002		
			III	IV	I	II	III
Gross domestic product..	117.64	117.94	117.58	118.37	119.84	120.21	121.39
Final sales of domestic product	117.19	118.95	118.60	119.81	120.51	120.49	121.53
Change in private inventories							
Goods	124.50	121.64	120.64	121.92	124.38	124.50	127.05
Final sales	123.36	124.71	123.71	126.21	126.43	125.39	127.55
Change in private inventories							
Durable goods	138.45	129.90	127.83	128.92	131.84	132.10	138.57
Final sales	136.73	136.94	134.86	138.44	135.27	134.22	139.94
Change in private inventories							
Nondurable goods	113.31	114.62	114.38	115.79	117.90	117.93	117.69
Final sales	112.70	114.86	114.63	116.34	118.96	117.94	117.61
Change in private inventories							
Services	112.84	115.16	115.27	116.18	117.00	118.01	118.76
Structures	118.92	118.80	118.02	116.33	118.06	115.51	114.21
Addenda:							
Motor vehicle output	122.09	114.63	116.20	120.66	123.54	125.97	136.48
Gross domestic product less motor vehicle output	117.48	118.03	117.61	118.28	119.70	120.01	120.89

Table 7.18B. Chain-Type Quantity Indexes for Motor Vehicle Output
[Index numbers, 1996=100]

	2000	2001	Seasonally adjusted				
			2001		2002		
			III	IV	I	II	III
Motor vehicle output...	122.09	114.63	116.20	120.66	123.54	125.97	136.48
Auto output	96.89	89.86	92.57	92.77	95.00	93.02	98.32
Truck output ¹	142.99	135.17	135.80	143.75	147.17	153.18	167.94
Final sales of domestic product	118.30	119.40	114.80	132.37	117.53	115.98	131.66
Personal consumption expenditures	133.44	143.85	139.35	161.11	146.80	146.73	164.04
New motor vehicles	138.70	152.65	146.32	178.16	159.22	156.46	179.82
Autos	130.72	131.93	124.97	145.74	130.40	129.18	138.84
Light trucks	148.20	177.01	171.41	216.21	193.06	188.48	227.94
Net purchases of used autos	117.41	117.43	118.28	110.58	109.88	117.67	117.26
Private fixed investment	123.40	106.83	103.64	104.88	95.86	100.72	106.67
New motor vehicles	120.36	106.87	104.00	103.77	96.41	102.26	107.69
Autos	103.42	95.08	93.08	88.51	84.78	90.77	95.69
Trucks	136.63	118.27	114.57	118.41	107.62	113.36	119.29
Light trucks	147.36	137.74	133.13	140.85	126.81	132.07	136.34
Other	116.36	82.30	80.24	77.15	72.21	78.64	87.15
Net purchases of used autos	109.17	106.65	104.92	99.52	98.10	107.53	111.10
Gross government investment	121.45	126.36	122.42	131.08	125.94	117.17	115.63
Autos	95.52	97.37	102.36	102.43	101.19	92.55	88.01
New trucks	135.99	142.63	133.64	147.13	139.76	130.97	131.21
Net exports							
Exports	95.72	92.55	97.95	95.81	94.07	102.26	109.80
Autos	95.38	101.19	109.80	107.12	104.95	116.09	121.88
Trucks	96.54	77.15	76.81	75.64	74.65	77.57	88.22
Imports	156.20	153.19	154.30	150.61	150.99	164.52	165.40
Autos	161.70	157.44	156.19	152.16	155.00	171.40	172.82
Trucks	130.03	132.92	145.02	142.97	131.76	131.82	130.20
Change in private inventories Autos							
New							
Domestic							
Foreign							
Used							
New trucks							
Domestic							
Foreign							
Addenda:							
Final sales of motor vehicles to domestic purchasers	129.37	129.80	125.81	139.68	127.60	129.04	141.60
Private fixed investment in new autos and new light trucks	121.27	112.41	109.35	109.79	101.87	107.57	112.24
Domestic output of new autos ²	101.22	92.85	94.79	92.11	96.57	101.17	104.80
Sales of imported new autos ³	154.42	152.80	148.62	159.00	151.28	153.87	168.12

1. Except for exports and imports, consists of new trucks only.

2. Consists of final sales and change in private inventories of new autos assembled in the United States.

3. Consists of personal consumption expenditures, private fixed investment, and gross government investment.

Table 8.2. Contributions to Percent Change in Real Gross Domestic Product

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Percent change at annual rate:							
Gross domestic product.....	3.8	.3	-.3	2.7	5.0	1.3	4.0
Percentage points at annual rates:							
Personal consumption expenditures	2.94	1.67	.97	4.05	2.22	1.22	2.90
Durable goods.....	.65	.48	.36	2.45	-.55	.16	1.76
Motor vehicles and parts.....	.17	.24	.13	1.88	-1.18	-.03	1.47
Furniture and household equipment.....	.35	.19	.20	.42	.43	.20	.18
Other.....	.13	.06	.03	.15	.20	.00	.12
Nondurable goods.....	.77	.39	.25	.73	1.57	-.02	.20
Food.....	.37	.09	-.14	.13	.65	-.09	-.09
Clothing and shoes.....	.18	.08	.09	.28	.40	-.03	.02
Gasoline, fuel oil, and other energy goods.....	-.02	.02	.18	.07	.16	-.03	.05
Other.....	.25	.21	.13	.25	.37	.13	.22
Services.....	1.51	.80	.35	.87	1.20	1.08	.94
Housing.....	.19	.17	.09	.12	.22	.21	.18
Household operation.....	.21	.05	.01	-.18	.15	.06	.05
Electricity and gas.....	.05	-.03	-.03	-.10	.14	.01	.08
Other household operation.....	.16	.08	.04	-.08	.01	.06	-.03
Transportation.....	.08	-.02	-.11	-.06	.10	-.03	-.02
Medical care.....	.28	.43	.53	.48	.40	.51	.47
Recreation.....	.10	.08	-.05	.13	.04	.07	.00
Other.....	.65	.09	-.11	.38	.30	.26	.26
Gross private domestic investment	1.08	-1.90	-.81	-2.88	2.53	1.16	.48
Fixed investment	1.03	-.65	-.72	-1.49	-.07	-.15	.03
Nonresidential.....	.98	-.66	-.73	-1.33	-.66	-.27	-.07
Structures.....	.20	-.05	.10	-1.12	-.44	-.53	-.59
Equipment and software.....	.78	-.61	-.83	-.21	-.22	.26	.52
Information processing equipment and software.....	.63	-.26	-.48	-.05	.25	.46	.52
Computers and peripheral equipment.....	.17	-.02	-.18	.22	.21	.10	.28
Software ¹.....	.16	-.02	-.05	.01	-.06	.20	.19
Other.....	.30	-.22	-.26	-.27	.10	.16	.05
Industrial equipment.....	.15	-.07	-.30	-.18	.15	-.11	.08
Transportation equipment.....	-.07	-.23	-.07	.22	-.56	-.32	-.09
Other.....	.08	-.04	.02	-.20	-.06	.23	.01
Residential.....	.05	.01	.02	-.16	.60	.12	.10
Change in private inventories	.06	-1.24	-.09	-1.39	2.60	1.31	.45
Farm.....	-.01	.04	.18	.05	.09	-.20	-.10
Nonfarm.....	.06	-1.28	-.27	-1.43	2.51	1.51	.54
Net exports of goods and services	-.75	-.18	-.24	-.28	-.75	-1.40	.00
Exports	1.04	-.59	-1.94	-.99	.33	1.29	.33
Goods.....	.85	-.47	-1.49	-.56	-.23	.99	.29
Services.....	.19	-.13	-.45	-.42	.56	.30	.04
Imports	-1.79	.42	1.70	.70	-1.08	-2.69	-.33
Goods.....	-1.54	.40	1.17	.37	-.40	-2.74	-.47
Services.....	-.24	.01	.53	.33	-.68	.05	.15
Government consumption expenditures and gross investment	.49	.65	-.21	1.85	1.04	.27	.58
Federal	.08	.29	.07	.80	.47	.47	.28
National defense.....	.00	.19	.18	.54	.46	.32	.30
Consumption expenditures.....	-.01	.16	.10	.53	.34	.32	.19
Gross investment.....	.01	.02	.07	.01	.12	.00	.11
Nondefense.....	.08	.10	-.11	.26	.01	.16	-.01
Consumption expenditures.....	.07	.08	-.03	.11	.03	.10	.06
Gross investment.....	.01	.01	-.08	.15	-.02	.06	-.07
State and local	.41	.36	-.28	1.05	.56	-.21	.30
Consumption expenditures.....	.35	.30	.48	.41	.25	.16	.17
Gross investment.....	.06	.07	-.76	.64	.32	-.37	.13
Addenda:							
Goods.....	1.74	-.85	-.53	1.52	2.89	.14	2.90
Services.....	1.77	1.11	.94	1.75	1.60	1.91	1.46
Structures.....	.25	-.01	-.70	-.54	.56	-.80	-.40
Motor vehicle output.....	-.10	-.21	.31	.48	.31	.25	1.08
Final sales of computers ².....	.25	.08	-.04	.19	-.06	.08	.41

Table 8.3. Contributions to Percent Change in Real Personal Consumption Expenditures by Major Type of Product

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Percent change at annual rate:							
Personal consumption expenditures	4.4	2.5	1.5	6.0	3.1	1.8	4.1
Percentage points at annual rates:							
Durable goods	.97	.71	.53	3.56	-.80	.23	2.52
Motor vehicles and parts.....	.26	.35	.19	2.72	-1.70	-.05	2.10
Furniture and household equipment.....	.51	.28	.30	.62	.61	.29	.25
Other.....	.20	.08	.05	.21	.29	.00	.17
Nondurable goods	1.15	.58	.38	1.08	2.23	-.03	.29
Food.....	.55	.13	-.20	.20	.92	-.13	-.13
Clothing and shoes.....	.26	.12	.13	.41	.57	-.04	.03
Gasoline, fuel oil, and other energy goods.....	-.02	.03	.26	.10	.22	-.04	.07
Gasoline and oil.....	-.01	.05	.26	.10	.21	-.02	.05
Fuel oil and coal.....	-.01	-.03	.00	.00	.01	-.02	.02
Other.....	.36	.30	.19	.37	.52	.19	.32
Services	2.23	1.17	.54	1.33	1.69	1.56	1.34
Housing.....	.29	.25	.14	.19	.30	.30	.25
Household operation.....	.31	.07	.01	-.25	.21	.09	.07
Electricity and gas.....	.08	-.04	-.04	-.14	.20	.01	.12
Other household operation.....	.23	.12	.05	-.12	.01	.08	-.05
Transportation.....	.11	-.03	-.16	-.08	.14	-.04	-.03
Medical care.....	.42	.64	.77	.72	.56	.73	.67
Recreation.....	.14	.11	-.07	.19	.05	.10	.00
Other.....	.96	.13	-.16	.57	.41	.37	.37
Addenda:							
Energy goods and services ¹.....	.05	-.01	.21	-.04	.42	-.03	.19
Personal consumption expenditures less food and energy.....	3.75	2.35	1.44	5.81	1.78	1.94	4.09

1. Consists of gasoline, fuel oil, and other energy goods, and of electricity and gas.
 NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.4. The estimates in this table differ from those in table 8.2 because this table shows contributions to real personal consumption expenditures, whereas table 8.2 shows contributions to real gross domestic product.

1. Excludes software "embedded," or bundled, in computers and other equipment.
 2. For some components of final sales of computers, includes computer parts.
 NOTE: The quantity indexes on which the estimates in this table are based are shown in tables 7.1, 7.2, 7.4, 7.6, 7.9, 7.11, and 7.17.

Table 8.4. Contributions to Percent Change in Real Private Fixed Investment by Type

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Percent change at annual rate:							
Private fixed investment.....	6.1	-3.8	-4.3	-8.9	-5	-1.0	.1
Percentage points at annual rates:							
Nonresidential	5.77	-3.88	-4.42	-8.03	-4.29	-1.74	-.50
Structures.....	1.19	-.31	.59	-6.87	-2.83	-3.44	-3.90
Nonresidential buildings, including farm.....	.49	-.95	-2.65	-3.14	-1.98	-2.75	-2.88
Utilities.....	.31	-.01	-.49	-.08	.42	-.69	-.64
Mining exploration, shafts, and wells.....	.37	.48	.42	-.33	-1.28	.02	.05
Other structures.....	.03	.16	3.32	-3.33	.01	-.01	-.42
Equipment and software	4.58	-3.57	-5.02	-1.16	-1.46	1.70	3.40
Information processing equipment and software.....	3.70	-1.54	-2.92	-.24	1.57	2.99	3.41
Computers and peripheral equipment ¹	1.01	-.13	-1.08	1.36	1.32	.65	1.81
Software ².....	.92	-.13	-.28	.03	-.41	1.31	1.24
Other.....	1.77	-1.27	-1.55	-1.63	.66	1.02	.35
Industrial equipment.....	.86	-.43	-1.81	-1.11	.95	-.70	.52
Transportation equipment.....	-.42	-1.37	-.39	1.39	-3.56	-2.06	-.60
Other.....	.45	-.23	.10	-1.20	-.42	1.48	.07
Residential.....	.29	.07	.11	-.88	3.79	.78	.62
Structures.....	.26	.07	.11	-.92	3.77	.76	.62
Single family.....	.15	.11	.30	-.77	1.80	.38	.61
Multifamily.....	-.03	.11	.01	.24	.62	-.06	-.11
Other structures.....	.14	-.15	-.19	-.39	1.35	.43	.12
Equipment.....	.03	.00	.00	.04	.02	.02	.00

1. Includes new computers and peripheral equipment only.
2. Excludes software "embedded" or bundled, in computers and other equipment.
NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.6. The estimates in this table differ from those in table 8.2 because this table shows contributions to real private fixed investment, whereas table 8.2 shows contributions to real gross domestic product.

Table 8.5. Contributions to Percent Change in Real Exports and in Real Imports of Goods and Services by Type of Product

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Percent change at annual rate:							
Exports of goods and services..	9.7	-5.4	-17.3	-9.6	3.5	14.3	3.3
Percentage points at annual rates:							
Exports of goods ¹	7.94	-4.23	-13.36	-5.45	-2.43	10.92	2.96
Foods, feeds, and beverages.....	.27	.13	-.55	.82	.08	-.61	-.56
Industrial supplies and materials.....	1.48	-.58	-1.23	-.39	-.47	2.84	-.92
Capital goods, except automotive.....	4.79	-3.21	-8.87	-5.94	-1.79	4.48	3.20
Automotive vehicles, engines, and parts.....	.45	-.47	.02	-1.10	-.25	2.73	.75
Consumer goods, except automotive.....	.81	-.07	-2.06	-.46	-.67	.96	.59
Other.....	.15	-.03	-.67	.83	.67	.54	-.11
Exports of services ¹	1.79	-1.14	-3.89	-4.18	5.89	3.36	.36
Percent change at annual rate:							
Imports of goods and services..	13.2	-2.9	-11.8	-5.3	8.5	22.2	2.3
Percentage points at annual rates:							
Imports of goods ¹	11.39	-2.78	-7.97	-2.76	3.24	22.25	3.36
Foods, feeds, and beverages.....	.24	.14	.73	-.25	.18	.41	.09
Industrial supplies and materials, except petroleum and products.....	.83	-.45	.11	-.15	.68	1.38	1.01
Petroleum and products.....	.42	.27	-2.40	.27	-1.25	2.13	-1.08
Capital goods, except automotive.....	4.65	-2.73	-5.25	-1.40	2.40	3.77	-.52
Automotive vehicles, engines, and parts.....	1.23	-.41	.22	-1.47	.98	5.21	.81
Consumer goods, except automotive.....	3.33	.33	-1.29	-.62	2.42	7.03	2.34
Other.....	.70	.07	-.09	.86	-2.16	2.32	.70
Imports of services ¹	1.81	-.08	-3.79	-2.54	5.31	-.10	-1.06

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1986, repairs and alterations of equipment were reclassified from goods to services.

NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.10. The estimates in this table differ from those in table 8.2 because this table shows contributions to real exports and to real imports, whereas table 8.2 shows contributions to real gross domestic product. Because imports are subtracted in the calculation of gross domestic product, the contributions of components of real imports have opposite signs in this table and in table 8.2.

Table 8.6. Contributions to Percent Change in Real Government Consumption Expenditures and Gross Investment by Type

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Percent change at annual rate:							
Government consumption expenditures and gross investment ¹	2.7	3.7	-1.1	10.5	5.6	1.4	3.1
Percentage points at annual rates:							
Federal.....	.43	1.61	.39	4.49	2.53	2.52	1.49
National defense	-.01	1.06	.97	3.01	2.46	1.68	1.57
Consumption expenditures.....	-.08	.92	.57	2.94	1.81	1.69	.99
Durable goods ².....	.00	.09	.43	-.45	.13	.03	-.32
Nondurable goods.....	.03	.03	-.01	.34	.04	.03	-.01
Services.....	-.11	.80	.14	3.04	1.65	1.63	.68
Compensation of general government employees, except own-account investment ³	-.03	.05	-.04	.09	.30	.36	.19
Consumption of general government fixed capital ⁴.....	.00	-.01	.00	.00	.01	.02	.03
Other services.....	-.08	.76	.18	2.94	1.34	1.25	.47
Gross investment.....	.07	.14	.40	.08	.65	-.01	.58
Structures.....	-.01	-.01	-.10	.13	-.12	.05	.01
Equipment and software.....	.08	.14	.50	-.06	.77	-.07	.58
Nondefense.....	.44	.55	-.57	1.48	.07	.84	-.08
Consumption expenditures.....	.40	.47	-.16	.63	.16	.52	.31
Durable goods ².....	.01	.01	.00	.02	.01	.00	.01
Nondurable goods.....	-.01	.13	-.48	.10	.07	.22	-.17
Services.....	.40	.34	.32	.51	.08	.29	.47
Compensation of general government employees, except own-account investment ³.....	.17	-.03	.09	-.05	.11	-.04	.27
Consumption of general government fixed capital ⁴.....	.14	.11	.10	.12	.11	.11	.11
Other services.....	.10	.26	.13	.44	-.14	.22	.08
Gross investment.....	.04	.08	-.41	.85	-.10	.32	-.39
Structures.....	-.08	-.04	.03	.38	-.34	-.25	-.19
Equipment and software.....	.12	.11	-.44	.46	-.43	.57	-.20
State and local	2.29	2.05	-1.51	5.98	3.03	-1.10	1.57
Consumption expenditures.....	1.97	1.66	2.63	2.43	1.33	.84	.87
Durable goods ².....	.07	.06	.06	.07	.06	.04	.04
Nondurable goods.....	.42	.36	.27	.34	.24	.17	.18
Services.....	1.48	1.24	2.30	2.02	1.03	.63	.65
Compensation of general government employees, except own-account investment ³.....	.75	.79	1.85	1.28	.50	.36	.45
Consumption of general government fixed capital ⁴.....	.28	.24	.24	.26	.27	.20	.17
Other services.....	.45	.21	.22	.48	.26	.08	.03
Gross investment.....	.32	.39	-.44	3.56	1.70	-1.94	.70
Structures.....	.10	.23	-4.34	3.61	1.95	-1.87	.68
Equipment and software.....	.23	.16	.20	-.06	-.25	-.07	.02

1. Gross government investment consists of general government and government enterprise expenditures for fixed assets; inventory investment is included in government consumption expenditures.

2. Consumption expenditures for durable goods excludes expenditures classified as investment, except for goods transferred to foreign countries by the Federal Government.

3. Compensation of government employees engaged in new own-account investment and related expenditures for goods and services are classified as investment in structures and in software.

4. Consumption of fixed capital, or depreciation, is included in government consumption expenditures as a partial measure of the value of the services of general government fixed assets; use of depreciation assumes a zero net return on these assets.

NOTE: The quantity indexes on which the estimates in this table are based are shown in table 7.11. The estimates in this table differ from those in table 8.2 because this table shows contributions to real government consumption expenditures and gross investment, whereas table 8.2 shows contributions to real gross domestic product.

Table 8.7. Selected Per Capita Product and Income Series in Current and Chained Dollars

[Dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Current dollars:							
Gross domestic product	34,823	35,398	35,412	35,512	35,996	36,147	36,500
Gross national product	34,906	35,475	35,452	35,636	36,002	36,077	36,455
Personal income	29,797	30,494	30,531	30,434	30,727	31,050	31,258
Disposable personal income	25,237	25,957	26,387	25,853	26,759	27,124	27,373
Personal consumption expenditures	23,690	24,531	24,491	24,834	25,040	25,271	25,578
Durable goods	2,849	2,935	2,890	3,087	2,998	2,985	3,121
Nondurable goods	6,993	7,167	7,169	7,151	7,278	7,344	7,354
Services	13,848	14,430	14,432	14,596	14,765	14,942	15,102
Chained (1996) dollars:							
Gross domestic product	32,579	32,352	32,216	32,350	32,681	32,718	32,957
Gross national product	32,667	32,432	32,263	32,471	32,696	32,663	32,924
Disposable personal income	23,501	23,692	24,071	23,537	24,296	24,461	24,579
Personal consumption expenditures	22,061	22,390	22,342	22,609	22,735	22,790	22,967
Durable goods	3,115	3,272	3,236	3,470	3,406	3,416	3,590
Nondurable goods	6,500	6,565	6,552	6,593	6,706	6,691	6,690
Services	12,493	12,622	12,616	12,650	12,712	12,771	12,810
Population (mid-period, thousands)	282,128	284,822	285,154	285,898	286,507	287,072	287,770

Table 8.8B. Motor Vehicle Output

[Billions of dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Motor vehicle output	335.4	312.0	315.6	327.7	331.8	334.7	361.3
Auto output	118.8	109.6	112.5	112.7	114.1	110.3	116.4
Truck output ¹	216.5	202.4	203.2	215.0	217.7	224.4	244.9
Final sales of domestic product	329.2	329.3	316.1	364.4	320.4	312.6	353.1
Personal consumption expenditures	267.5	288.4	278.3	322.6	290.6	287.5	321.9
New motor vehicles	208.1	227.8	217.4	266.2	235.1	228.8	262.9
Autos	105.5	105.9	100.0	117.2	104.1	102.2	109.7
Light trucks	102.6	121.8	117.3	149.0	131.0	126.6	153.3
Net purchases of used autos	59.4	60.6	60.9	56.4	55.5	58.7	59.0
Private fixed investment	150.0	127.7	124.3	125.7	114.9	119.9	125.1
New motor vehicles	186.6	164.2	159.9	159.3	147.5	155.1	161.6
Autos	77.1	70.6	68.9	65.8	62.5	66.4	69.9
Trucks	109.5	93.6	91.1	93.5	85.0	88.7	91.8
Light trucks	76.5	70.2	68.4	71.2	64.0	65.7	66.0
Other	33.0	23.4	22.7	22.3	21.0	23.0	25.8
Net purchases of used autos	-36.6	-36.5	-35.7	-33.5	-32.6	-35.2	-36.6
Gross government investment	13.4	13.7	13.3	14.2	13.7	12.7	12.4
Autos	3.8	3.8	4.0	4.0	4.1	3.7	3.6
New trucks	9.6	9.9	9.3	10.2	9.7	9.0	8.9
Net exports	-101.7	-100.5	-99.8	-98.1	-98.9	-107.5	-106.3
Exports	26.1	25.4	26.9	26.4	25.9	28.3	30.5
Autos	16.7	17.8	19.3	18.9	18.6	20.6	21.7
Trucks	9.4	7.6	7.5	7.4	7.4	7.7	8.8
Imports	127.8	125.9	126.6	124.4	124.8	135.8	136.8
Autos	109.2	106.7	105.6	103.7	105.7	116.6	117.8
Trucks	18.6	19.2	21.0	20.7	19.1	19.2	19.0
Change in private inventories	6.1	-17.3	-4	-36.7	11.4	22.1	8.2
Autos	2.1	-6.1	.7	-12.4	7.6	10.5	7.0
New	1.2	-6.7	.2	-12.9	7.1	10.4	5.7
Domestic .....	.7	-7.4	-.7	-13.5	6.9	9.1	9.1
Foreign .....	.6	.7	.8	.6	.2	1.3	-3.4
Used .....	.9	.6	.5	.5	.5	.1	1.3
New trucks	4.1	-11.3	-1.1	-24.4	3.8	11.6	1.2
Domestic	3.2	-10.7	-.9	-23.7	2.4	11.6	2.2
Foreign .....	.9	-5	-2	-7	1.4	.1	-1.0
Addenda:							
Final sales of motor vehicles to domestic purchasers	430.9	429.8	415.8	462.5	419.3	420.1	459.4
Private fixed investment in new autos and new light trucks	153.6	140.8	137.3	136.9	126.5	132.1	135.9
Domestic output of new autos ²	117.4	107.3	109.1	106.0	111.2	115.8	119.7
Sales of imported new autos ³	84.2	82.9	80.5	87.0	81.6	82.3	89.8

1. Except for exports and imports, consists of new trucks only.
2. Consists of final sales and change in private inventories of new autos assembled in the United States.
3. Consists of personal consumption expenditures, private fixed investment, and gross government investment.

Table 8.9B. Real Motor Vehicle Output

[Billions of chained (1996) dollars]

	2000	2001	Seasonally adjusted at annual rates				
			2001		2002		
			III	IV	I	II	III
Motor vehicle output	336.5	315.9	320.2	332.6	340.5	347.2	376.1
Auto output	122.2	113.4	116.8	117.0	119.8	117.3	124.0
Truck output ¹	213.7	202.0	203.0	214.9	220.0	229.0	251.0
Final sales of domestic product	330.8	333.9	321.0	370.2	328.7	324.3	368.2
Personal consumption expenditures	269.0	290.0	280.9	324.8	295.9	295.8	330.7
New motor vehicles	208.3	229.2	219.7	267.5	239.1	234.9	270.0
Autos	107.0	108.0	102.3	119.3	106.8	105.8	113.7
Light trucks	101.2	120.9	117.0	147.6	131.8	128.7	155.6
Net purchases of used autos	60.4	60.4	60.8	56.9	56.5	60.5	60.3
Private fixed investment	149.1	129.1	125.2	126.7	115.8	121.7	128.9
New motor vehicles	186.8	165.8	161.4	161.0	149.6	158.7	167.1
Autos	78.3	71.9	70.4	67.0	64.1	68.7	72.4
Trucks	108.6	94.0	91.1	94.1	85.6	90.1	94.8
Light trucks	77.1	72.0	69.6	73.7	66.3	69.1	71.3
Other	31.7	22.4	21.8	21.0	19.7	21.4	23.7
Net purchases of used autos	-37.5	-36.7	-36.1	-34.2	-33.7	-37.0	-38.2
Gross government investment	13.2	13.7	13.3	14.2	13.6	12.7	12.5
Autos	3.7	3.7	3.9	3.9	3.9	3.5	3.4
New trucks	9.5	10.0	9.4	10.3	9.8	9.2	9.2
Net exports	-99.4	-97.8	-97.3	-94.9	-95.7	-104.3	-103.0
Exports	24.9	24.0	25.4	24.9	24.4	26.6	28.5
Autos	16.2	17.2	18.6	18.2	17.8	19.7	20.7
Trucks	8.7	7.0	6.9	6.8	6.7	7.0	7.9
Imports	124.2	121.8	122.7	119.8	120.1	130.9	131.6
Autos	106.5	103.7	102.9	100.2	102.1	112.9	113.8
Trucks	17.8	18.2	19.8	19.6	18.0	18.0	17.8
Change in private inventories	5.7	-15.9	-4	-33.5	10.2	20.1	7.4
Autos	2.1	-6.2	.7	-12.7	7.8	10.8	7.3
New	1.2	-6.8	.2	-13.2	7.2	10.7	5.9
Domestic .....	.7	-7.6	-.7	-14.0	7.1	9.5	9.5
Foreign .....	.5	.7	.8	.6	.2	1.2	-3.3
Used .....	.9	.6	.5	.5	.5	.1	1.4
New trucks	3.3	-8.8	-.9	-18.8	2.8	8.7	.9
Domestic	2.6	-8.3	-.7	-18.0	1.7	8.6	1.6
Foreign .....	.8	-5	-.2	-7	1.3	.1	-.9
Residual	-1.0	-3.9	-1.4	-6.5	.1	2.0	-6
Addenda:							
Final sales of motor vehicles to domestic purchasers	431.1	432.5	419.2	465.4	425.2	430.0	471.8
Private fixed investment in new autos and new light trucks	155.2	143.8	139.9	140.5	130.4	137.6	143.6
Domestic output of new autos ²	118.1	108.4	110.6	107.5	112.7	118.1	122.3
Sales of imported new autos ³	85.4	84.6	82.2	88.0	83.7	85.1	93.0

1. Except for exports and imports, consists of new trucks only.
2. Consists of final sales and change in private inventories of new autos assembled in the United States.
3. Consists of personal consumption expenditures, private fixed investment, and gross government investment.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines, excluding the lines in the addenda.

Chain-type quantity indexes for the series in this table are shown in table 7.18B.

Table 8.30. Contributions to Percent Change in the Gross Domestic Purchases Price Index

	2000	2001	Seasonally adjusted at annual rates					
			2001		2002			
			III	IV	I	II	III	
Percent change at annual rate:								
Gross domestic purchases	2.5	1.9	-.2	.4	1.2	2.3	1.2	
Percentage points at annual rates:								
Personal consumption expenditures	1.67	1.34	-.03	.55	.74	1.83	1.17	
Durable goods	-.14	-.16	-.21	-.12	-.35	-.23	-.16	
Motor vehicles and parts .....	.01	.01	-.05	.04	-.13	-.10	.03	
Furniture and household equipment	-.14	-.17	-.16	-.15	-.20	-.12	-.16	
Other	-.01	.01	-.01	-.01	-.02	-.01	-.02	
Nondurable goods .....	.72	.29	-.27	-.69	.05	.89	.12	
Food .....	.22	.28	.33	.22	.23	.05	.09	
Clothing and shoes	-.04	-.06	-.15	-.07	-.06	-.04	-.11	
Gasoline, fuel oil, and other energy goods .....	.42	-.06	-.65	-.93	-.17	.72	.09	
Other .....	.12	.12	.20	.08	.05	.16	.06	
Services	1.08	1.21	.44	1.37	1.05	1.18	1.20	
Housing .....	.30	.37	.41	.44	.42	.33	.28	
Household operation .....	.07	.15	-.08	-.13	-.05	.00	.13	
Electricity and gas .....	.08	.15	-.13	-.24	-.10	.03	.01	
Other household operation	-.01	.00	.04	.11	.05	-.03	.12	
Transportation .....	.01	.05	-.02	.02	.07	.11	.04	
Medical care .....	.29	.37	.06	.46	.23	.27	.28	
Recreation .....	.09	.08	.06	.07	.06	.11	.08	
Other .....	.32	.19	.01	.52	.33	.35	.39	
Gross private domestic investment .....	.18	.19	-.08	-.04	-.22	-.06	-.21	
Fixed investment .....	.19	.19	-.03	-.02	-.22	-.03	-.18	
Nonresidential .....	.01	.02	-.13	-.18	-.22	-.15	-.14	
Structures .....	.12	.15	-.01	-.05	-.10	.02	.00	
Equipment and software	-.11	-.14	-.12	-.13	-.12	-.17	-.14	
Information processing equipment and software	-.14	-.16	-.20	-.16	-.11	-.13	-.11	
Computers and peripheral equipment	-.13	-.17	-.14	-.14	-.10	-.06	-.11	
Software .....	.02	.03	-.03	.00	.00	-.05	.01	
Other	-.03	-.03	-.02	-.02	-.01	-.02	-.02	
Industrial equipment .....	.01	.01	.00	.00	-.01	-.01	.02	
Transportation equipment .....	.02	-.01	.06	.01	.00	-.03	-.06	
Other equipment .....	.01	.02	.01	.02	.01	-.01	.01	
Residential .....	.18	.17	.10	.16	.00	.11	-.03	
Change in private inventories	-.01	.00	-.05	-.02	.00	-.03	-.03	
Farm .....	.00	.00	.00	.00	.00	.00	.00	
Nonfarm	-.01	.00	-.05	-.02	.00	-.03	-.02	
Government consumption expenditures and gross investment .....	.66	.41	-.06	-.06	.64	.51	.26	
Federal .....	.18	.10	.03	-.03	.50	.15	.07	
National defense .....	.11	.06	.02	-.04	.28	.08	.05	
Consumption expenditures .....	.11	.07	.03	-.02	.29	.08	.06	
Gross investment .....	.00	.00	.00	-.02	-.01	.00	.00	
Nondefense .....	.06	.04	.01	.01	.22	.06	.02	
Consumption expenditures .....	.06	.04	.01	.01	.23	.07	.02	
Gross investment .....	.01	.00	.00	.00	.00	.00	.00	
State and local .....	.49	.31	-.09	-.04	.13	.36	.18	
Consumption expenditures .....	.41	.26	-.10	-.08	.13	.33	.18	
Gross investment .....	.07	.05	.01	.05	.00	.03	.00	
Addenda:								
Final sales of computers ²	-.21	-.27	-.24	-.23	-.19	-.11	-.17	
Gross domestic purchases less final sales of computers	2.72	2.21	.07	.68	1.35	2.39	1.39	
Food .....	.22	.28	.33	.22	.23	.04	.06	
Energy goods and services .....	.63	.09	-1.00	-1.52	-.32	.93	.13	
Gross domestic purchases less food and energy	1.65	1.57	.50	1.74	1.25	1.31	1.02	

1. Excludes software "embedded," or bundled, in computers and other equipment.

2. For some components of final sales of computers, includes computer parts.

NOTE: The price indexes on which the estimates in this table are based are shown in tables 7.1, 7.2, 7.4, 7.6, and 7.11.

B. Other NIPA and NIPA-Related Tables

Monthly Estimates

Tables B.1 and B.2 include the most recent estimates of personal income and its components; these estimates were released on November 27, 2002, and they include "preliminary" estimates for October 2002 and "revised" estimates for July–September 2002.

Table B.1. Personal Income

[Billions of dollars; monthly estimates seasonally adjusted at annual rates]

	2000	2001	2001				2002									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Personal income	8,406.6	8,685.3	8,707.5	8,685.2	8,686.7	8,730.9	8,766.8	8,807.2	8,836.3	8,869.2	8,906.0	8,966.0	8,963.7	8,991.9	9,029.4	9,037.1
Wage and salary disbursements.....	4,836.3	4,950.6	4,946.1	4,923.5	4,922.3	4,948.6	4,941.0	4,956.9	4,975.4	4,972.7	4,990.1	5,028.0	5,013.2	5,041.7	5,070.9	5,072.8
Private industries.....	4,067.4	4,139.8	4,124.6	4,100.2	4,097.6	4,120.8	4,104.7	4,116.0	4,131.4	4,126.9	4,141.8	4,177.1	4,159.6	4,184.0	4,210.9	4,209.9
Goods-producing industries.....	1,163.7	1,142.4	1,136.2	1,125.0	1,121.7	1,123.0	1,115.2	1,116.1	1,119.4	1,116.4	1,117.1	1,123.1	1,117.0	1,122.8	1,124.6	1,121.4
Manufacturing.....	829.4	789.4	779.1	772.9	768.6	768.2	759.1	759.0	760.2	759.1	760.6	764.7	759.3	761.6	761.7	760.2
Distributive industries.....	1,094.8	1,109.2	1,103.1	1,097.3	1,096.1	1,102.4	1,103.6	1,109.6	1,117.1	1,113.2	1,118.1	1,126.6	1,119.2	1,123.7	1,128.8	1,123.9
Service industries.....	1,808.9	1,888.2	1,885.4	1,877.8	1,879.8	1,895.4	1,885.9	1,890.3	1,894.8	1,897.4	1,906.6	1,927.4	1,923.4	1,937.4	1,957.5	1,964.6
Government.....	768.9	810.8	821.5	823.3	824.6	827.8	836.3	840.9	844.1	845.8	848.3	851.0	853.6	857.7	860.0	862.9
Other labor income.....	544.2	570.4	573.8	574.7	576.2	577.9	586.1	590.7	595.5	599.8	603.9	608.5	613.0	617.5	622.1	626.4
Proprietors' income with IVA and CCAdj.....	714.8	727.9	735.9	727.8	729.4	736.8	743.3	750.0	751.9	751.4	746.0	745.1	755.2	757.4	764.8	766.7
Farm.....	22.6	19.0	19.4	19.1	19.2	19.4	20.8	21.8	22.5	14.0	5.1	3.3	7.7	10.8	13.8	11.5
Nonfarm.....	692.2	708.8	716.4	708.7	710.2	717.4	722.4	728.2	729.4	737.4	740.9	741.7	747.6	746.7	751.1	755.2
Rental income of persons with CCAdj.....	146.6	137.9	143.5	141.0	139.6	137.3	139.4	141.3	143.2	148.3	153.5	158.7	153.3	144.9	136.8	135.1
Personal dividend income.....	375.7	409.2	413.1	415.1	417.2	419.6	421.8	423.8	425.5	428.0	430.3	432.7	435.0	437.3	439.4	441.6
Personal interest income.....	1,077.0	1,091.3	1,082.3	1,074.7	1,072.2	1,071.9	1,070.9	1,069.9	1,069.0	1,075.7	1,082.3	1,088.9	1,085.8	1,082.9	1,079.8	1,078.7
Transfer payments to persons.....	1,070.3	1,170.4	1,185.7	1,200.3	1,201.9	1,212.9	1,243.5	1,255.0	1,257.6	1,275.0	1,282.9	1,289.9	1,293.1	1,297.1	1,304.5	1,304.9
Old-age, survivors, disability, and health insurance benefits.....	617.2	664.3	669.3	670.3	673.5	678.2	688.7	693.2	688.6	695.1	696.3	697.4	699.2	701.9	704.6	703.2
Government unemployment insurance benefits.....	20.5	31.9	34.9	41.8	39.0	42.3	48.1	52.6	56.2	63.5	67.7	70.8	68.1	66.8	67.7	66.9
Other.....	432.5	474.2	481.6	488.2	489.4	492.4	506.7	509.1	512.8	516.4	518.9	521.7	525.8	528.4	532.3	534.8
Less: Personal contributions for social insurance.....	358.4	372.3	372.9	371.9	372.1	374.0	379.2	380.4	381.8	381.8	383.1	385.7	384.9	386.9	389.0	389.2

^p Preliminary.
^r Revised.
CCAdj Capital consumption adjustment.

IVA Inventory valuation adjustment.
Source: U.S. Bureau of Economic Analysis.

Table B.2. The Disposition of Personal Income

[Monthly estimates seasonally adjusted at annual rates]

	2000	2001	2001				2002									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Billions of dollars, unless otherwise indicated																
Personal income	8,406.6	8,685.3	8,707.5	8,685.2	8,686.7	8,730.9	8,766.8	8,807.2	8,836.3	8,869.2	8,906.0	8,966.0	8,963.7	8,991.9	9,029.4	9,037.1
Less: Personal tax and nontax payments.....	1,286.4	1,292.1	1,190.9	1,312.7	1,304.5	1,312.0	1,140.1	1,136.1	1,134.0	1,127.4	1,125.4	1,128.7	1,118.1	1,117.9	1,118.0	1,111.4
Equals: Disposable personal income	7,120.2	7,393.2	7,516.6	7,372.4	7,382.2	7,418.9	7,626.7	7,671.1	7,702.2	7,741.7	7,780.6	7,837.4	7,845.6	7,874.1	7,911.4	7,925.6
Less: Personal outlays.....	6,918.6	7,223.5	7,172.6	7,346.9	7,316.9	7,325.1	7,355.7	7,408.9	7,424.3	7,464.1	7,467.9	7,501.8	7,576.7	7,598.8	7,564.5	7,590.3
Personal consumption expenditures.....	6,683.7	6,987.0	6,935.8	7,114.5	7,087.4	7,097.9	7,130.6	7,186.8	7,205.3	7,242.7	7,244.6	7,276.7	7,354.2	7,379.3	7,347.9	7,374.8
Durable goods.....	803.9	835.9	809.2	913.2	878.4	856.2	853.6	863.5	859.8	868.2	845.2	857.4	902.0	919.6	873.2	864.2
Nondurable goods.....	1,972.9	2,041.3	2,043.9	2,046.4	2,036.1	2,050.7	2,074.1	2,089.1	2,092.1	2,110.9	2,101.9	2,111.7	2,117.3	2,116.7	2,115.2	2,130.7
Services.....	3,906.9	4,109.9	4,082.8	4,154.9	4,172.8	4,191.0	4,202.8	4,234.2	4,253.4	4,263.5	4,297.4	4,307.6	4,334.9	4,343.0	4,359.5	4,379.8
Interest paid by persons.....	205.4	205.4	204.9	201.8	198.9	196.7	193.7	190.6	187.6	189.4	191.3	193.2	190.2	187.2	184.3	183.3
Personal transfer payments to the rest of the world (net).....	29.5	31.1	31.8	30.6	30.6	30.6	31.5	31.5	31.5	31.9	31.9	31.9	32.3	32.3	32.3	
Equals: Personal saving	201.5	169.7	344.0	25.5	65.3	93.8	271.0	262.2	277.9	277.7	312.7	335.6	268.9	275.3	346.9	335.3
Addenda:																
Disposable personal income:																
Billions of chained (1996) dollars ¹	6,630.3	6,748.0	6,878.2	6,706.9	6,718.7	6,761.9	6,938.8	6,965.7	6,978.3	6,983.3	7,020.1	7,062.8	7,060.8	7,069.4	7,088.7	7,086.5
Per capita:																
Current dollars.....	25,237	25,957	26,336	25,808	25,821	25,929	26,636	26,774	26,867	26,987	27,104	27,281	27,287	27,363	27,468	27,470
Chained (1996) dollars.....	23,501	23,692	24,100	23,478	23,500	23,633	24,234	24,312	24,342	24,344	24,455	24,585	24,558	24,566	24,612	24,562
Population (thousands) ²	282,128	284,822	285,409	285,666	285,906	286,124	286,328	286,512	286,681	286,865	287,067	287,284	287,519	287,768	288,024	288,519
Personal consumption expenditures:																
Billions of chained (1996) dollars.....	6,223.9	6,377.2	6,346.9	6,472.3	6,450.3	6,469.3	6,487.4	6,526.0	6,528.1	6,533.2	6,536.6	6,557.5	6,618.6	6,625.1	6,583.9	6,594.0
Durable goods.....	878.9	931.9	909.4	1,026.5	987.1	962.4	963.6	982.9	981.2	992.5	966.3	983.2	1,036.8	1,058.1	1,004.0	995.3
Nondurable goods.....	1,833.8	1,869.8	1,857.4	1,873.5	1,877.2	1,904.4	1,920.5	1,926.1	1,917.5	1,915.9	1,919.7	1,926.9	1,930.6	1,925.6	1,919.8	1,929.6
Services.....	3,524.5	3,594.9	3,595.1	3,608.7	3,614.7	3,626.3	3,627.3	3,644.0	3,655.2	3,653.2	3,672.4	3,672.9	3,687.6	3,682.6	3,688.9	3,695.7
Implicit price deflator, 1996=100.....	107.39	109.56	109.28	109.92	109.88	109.72	109.92	110.13	110.38	110.86	110.83	110.97	111.12	111.38	111.61	111.84
Personal saving as percentage of disposable personal income.....	2.8	2.3	4.6	0.3	0.9	1.3	3.6	3.4	3.6	3.6	4.0	4.3	3.4	3.5	4.4	4.2
Percent change from preceding period, monthly changes at monthly rates																
Personal income, current dollars	8.0	3.3	0.1	-0.3	0.0	0.5	0.4	0.5	0.3	0.4	0.4	0.7	0.0	0.3	0.4	0.1
Disposable personal income:																
Current dollars.....	7.4	3.8	-1.0	-1.9	0.1	0.5	2.8	0.6	0.4	0.5	0.5	0.7	0.1	0.4	0.5	0.2
Chained (1996) dollars.....	4.8	1.8	-0.6	-2.5	0.2	0.6	2.6	0.4	0.2	0.1	0.5	0.6	0.0	0.1	0.3	0.0
Personal consumption expenditures:																
Current dollars.....	7.0	4.5	-1.2	2.6	-0.4	0.1	0.5	0.8	0.3	0.5	0.0	0.4	1.1	0.3	-0.4	0.4
Chained (1996) dollars.....	4.4	2.5	-0.7	2.0	-0.3	0.3	0.3	0.6	0.0	0.1	0.1	0.3	0.9	0.1	-0.6	0.2

^p Preliminary.
^r Revised.
1. Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.
2. Population is the total population of the United States, including the Armed Forces overseas and the institutionalized

population. The monthly estimate is the average of estimates for the first of the month and the first of the following month; the annual estimate is the average of the monthly estimates.
Source: U.S. Bureau of Economic Analysis.

Annual Estimates

Except as noted for table B.3 below, these tables are derived from the NIPA tables that were published in the August and September 2002 issues of the SURVEY OF CURRENT BUSINESS, and the estimates reflect the most recent comprehensive and annual NIPA revisions.

Table B.3. Gross Domestic Product by Industry, Current-Dollar and Real Estimates for 1999–2001

	Billions of dollars			Billions of chained (1996) dollars				Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Gross domestic product	9,274.3	9,824.6	10,082.2	8,859.0	9,191.4	9,214.5	Transportation services.....	29.9	34.1	32.9	29.8	32.4	31.2
Private industries	8,123.0	8,606.9	8,800.8	7,851.0	8,157.8	8,189.4	Communications.....	257.2	279.1	291.5	255.3	286.7	321.9
Agriculture, forestry, and fishing	127.7	134.3	140.6	154.6	166.7	163.9	Telephone and telegraph.....	193.7	208.0	218.5	205.3	236.7	265.7
Farms	75.2	77.8	80.6	108.1	120.5	114.3	Radio and television.....	63.6	71.1	72.9	51.5	53.4	60.0
Agricultural services, forestry, and fishing	52.5	56.5	60.1	46.2	47.6	49.1	Electric, gas, and sanitary services	211.0	216.5	221.9	208.8	213.9	194.3
Mining	104.1	133.1	139.0	114.7	101.9	106.8	Wholesale trade	645.3	696.8	680.7	708.6	750.2	748.7
Metal mining	5.6	5.2	5.7	9.0	8.0	9.6	Retail trade	831.7	887.3	931.8	846.2	909.2	951.2
Coal mining	10.8	9.2	10.5	13.5	11.9	13.9	Finance, insurance, and real estate	1,798.8	1,976.7	2,076.9	1,688.3	1,793.5	1,843.5
Oil and gas extraction.....	76.4	106.5	110.3	82.0	70.5	72.9	Depository institutions.....	330.3	361.1	359.8	274.9	287.4	290.4
Nonmetallic minerals, except fuels	11.4	12.2	12.6	10.7	12.2	12.4	Nondepository institutions.....	57.7	69.5	88.8	65.4	79.0	91.9
Construction	425.4	461.3	480.0	367.8	378.0	371.9	Security and commodity brokers	128.2	150.8	175.0	174.8	216.8	245.1
Manufacturing	1,481.3	1,520.3	1,423.0	1,513.9	1,585.4	1,490.3	Insurance carriers.....	153.8	182.4	170.1	133.0	146.0	141.2
Durable goods	853.8	886.4	812.8	949.3	1,044.3	990.1	Insurance agents, brokers, and service	61.5	61.6	66.5	54.6	51.9	53.5
Lumber and wood products	44.1	42.1	39.2	40.9	41.8	39.0	Real estate	1,050.5	1,123.7	1,171.7	982.1	1,016.7	1,022.0
Furniture and fixtures	25.8	26.1	25.0	23.7	24.1	22.4	Nonfarm housing services	766.9	811.4	845.1	704.1	722.9	725.6
Stone, clay, and glass products	41.4	40.6	36.7	37.4	37.2	33.9	Other real estate	283.5	312.3	326.6	279.3	295.5	298.2
Primary metal industries	50.5	50.2	45.1	57.0	56.1	53.5	Holding and other investment offices	16.8	27.7	45.0	10.0	13.7	22.7
Fabricated metal products	106.9	109.6	100.8	97.7	102.7	92.3	Services	1,977.2	2,116.4	2,226.6	1,768.4	1,826.0	1,843.3
Industrial machinery and equipment	152.3	173.1	148.2	206.7	249.2	222.5	Hotels and other lodging places	80.0	87.4	88.4	64.5	68.4	65.6
Electronic and other electric equipment	161.2	162.0	143.1	249.2	311.8	335.2	Personal services	58.5	59.3	62.7	53.6	52.9	53.3
Motor vehicles and equipment	119.4	120.4	111.4	115.0	117.3	108.5	Business services	501.0	534.4	544.1	449.6	460.1	459.4
Other transportation equipment	65.1	66.3	71.4	61.7	60.5	62.0	Auto repair, services, and parking.....	89.2	94.9	99.5	81.8	84.8	87.5
Instruments and related products	58.2	63.5	61.7	47.6	51.0	46.1	Miscellaneous repair services	24.9	27.7	27.0	19.9	20.9	17.7
Miscellaneous manufacturing industries	28.9	32.5	30.2	27.4	31.3	28.5	Motion pictures.....	31.2	32.5	35.5	28.5	27.9	29.5
Nondurable goods	627.5	633.9	610.2	570.8	558.0	518.3	Amusement and recreation services	72.6	76.6	79.3	63.6	63.6	62.6
Food and kindred products	136.6	127.0	123.7	120.5	111.2	106.5	Health services	515.4	548.5	589.8	470.7	487.9	501.2
Tobacco products	19.4	21.2	21.1	6.8	6.2	5.0	Legal services	123.6	134.4	145.6	111.0	116.8	120.2
Textile mill products	24.9	23.8	22.1	23.0	23.2	20.7	Educational services	72.3	77.9	84.4	62.4	64.1	66.5
Apparel and other textile products	24.7	24.7	23.3	22.9	23.3	22.3	Social services.....	61.9	67.7	74.7	53.9	56.0	58.4
Paper and allied products	56.8	60.2	55.9	56.1	53.1	49.7	Membership organizations	58.0	61.4	63.0	48.1	47.8	46.6
Printing and publishing	105.4	106.5	100.2	90.4	90.1	80.8	Other services	276.0	300.3	320.7	250.2	263.9	267.1
Chemicals and allied products	167.3	169.0	163.5	160.6	162.8	157.8	Private households	12.7	13.6	11.9	11.7	12.0	10.1
Petroleum and coal products	30.4	38.5	40.6	35.3	29.9	24.6	Statistical discrepancy ¹	-38.8	-128.5	-117.3	-37.3	-121.3	-108.3
Rubber and miscellaneous plastics products	58.7	59.3	56.6	57.6	61.3	57.0	Government	1,151.3	1,217.7	1,281.3	1,061.1	1,088.8	1,107.5
Leather and leather products	3.4	3.7	3.3	3.2	3.6	3.1	Federal	369.8	389.5	396.2	346.5	355.0	350.9
Transportation and public utilities	770.1	809.3	819.5	732.2	781.9	780.5	General government	307.6	323.4	332.8	285.2	289.4	291.3
Transportation	301.9	313.7	306.1	268.6	282.5	270.3	Government enterprises	62.2	66.1	63.4	61.4	66.0	59.4
Railroad transportation	23.1	24.8	25.8	22.4	25.0	25.0	State and local	781.5	828.2	885.1	714.4	733.6	756.1
Local and interurban passenger transit	17.9	18.3	19.1	16.8	17.2	17.2	General government	715.9	758.7	807.0	653.7	669.0	687.0
Trucking and warehousing	121.4	123.3	126.0	100.2	103.4	99.3	Government enterprises	65.6	69.4	78.1	60.7	64.7	69.4
Water transportation	13.4	15.0	15.7	12.0	13.4	13.3	Not allocated by industry ²				-97.1	-159.1	-204.4
Transportation by air	90.0	91.9	80.2	80.7	84.8	78.3							
Pipelines, except natural gas.....	6.2	6.3	6.5	6.6	6.4	6.0							

1. The current-dollar statistical discrepancy equals gross domestic product (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 chained (1996) dollar statistical discrepancy equals the current-dollar statistical discrepancy deflated by the implicit price deflator for gross domestic business product.

2. Equals GDP in chained (1996) dollars less the statistical discrepancy and the sum of GDP by industry of the

detailed industries. The value of not allocated by industry reflects the nonadditivity of chained-dollar estimates and the differences in source data used to estimate real GDP by industry and the expenditures measure of real GDP.

NOTE. Estimates are based on the 1987 Standard Industrial Classification. The table is derived from tables 1 and 6 in "Gross Domestic Product by Industry for 1999–2001" in the November 2002 SURVEY.

Table B.4. Personal Consumption Expenditures by Type of Expenditure

Table with columns for Billions of dollars (1999, 2000, 2001) and Billions of chained (1996) dollars (1999, 2000, 2001). Rows include Personal consumption expenditures, Food and tobacco, Clothing, accessories, and jewelry, Personal care, Housing, Household operation, Medical care, Education and research, Religious and welfare activities, and Foreign travel and other, net.

* Because of rapid changes in relative prices, the chained-dollar estimates for computers are especially misleading as a measure of the contribution or relative importance of this component.

1. Consists of purchases (including tips) of meals and beverages from retail, service, and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunchrooms. Includes meals and beverages consumed both on- and off-premise. 2. Includes luggage. 3. Consists of watch, clock, and jewelry repairs, costume and dress suit rental, and miscellaneous personal services. 4. Consists of rent for space and for heating and plumbing facilities, water heaters, lighting fixtures, kitchen cabinets, linoleum, storm windows and doors, window screens, and screen doors, but excludes rent for appliances and furniture and purchases of fuel and electricity. 5. Consists of space rent (see footnote 4) and rent for appliances, furnishings, and furniture. 6. Consists of transient hotels, motels, clubs, schools, and other group housing. 7. Consists of refrigerators and freezers, cooking ranges, dishwashers, laundry equipment, stoves, room air conditioners, sewing machines, vacuum cleaners, and other appliances. 8. Includes such household furnishings as floor coverings, comforters, quilts, blankets, pillows, picture frames, mirrors, art products, portable lamps, and clocks. Also includes writing equipment and hand, power, and garden tools. 9. Consists largely of textile house furnishings, including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes. 10. Consists of maintenance services for appliances and house furnishings, moving and warehouse expenses, postage and express charges, premiums for fire and theft insurance on personal property less benefits and dividends, and miscellaneous household operation services. 11. Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services. 12. Consists of osteopathic physicians, chiropractors, private duty nurses, chiropractors, podiatrists, and others providing health and allied services, not elsewhere classified. 13. Consists of (1) current expenditures (including consumption of fixed capital) of nonprofit hospitals and nursing homes, and (2) payments by patients to proprietary and government hospitals and nursing homes. 14. Consists of (1) premiums, less benefits and dividends, for health, hospitalization, and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including consumption of fixed capital) of nonprofit and self-insured health plans. 15. Consists of premiums, less benefits and dividends, for income loss insurance. 16. Consists of premiums, less benefits and dividends, for privately administered workers' compensation. 17. Consists of (1) operating expenses of commercial life insurance carriers, (2) administrative expenses of private noninsured pension plans and publicly administered government employee retirement plans, and (3) premiums, less benefits and dividends, of fraternal benefit societies. For commercial life insurance carriers, excludes expenses for accident and health insurance and includes profits of stock companies and services furnished without payment by banks, credit agencies, and investment companies. For pension and retirement plans, excludes services furnished without payment by banks, credit agencies, and investment companies.

18. Consists of current expenditures (including consumption of fixed capital) of trade unions and professional associations, employment agency fees, money order fees, spending for classified advertisements, tax return preparation services, and other personal business services. 19. Consists of premiums, less benefits and dividends, for motor vehicle insurance. 20. Consists of baggage charges, coastal and inland waterway fares, travel agencies' fees, and airport bus fares. 21. Consists of admissions to professional and amateur athletic events and to racetracks. 22. Consists of dues and fees excluding insurance premiums. 23. Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations; casino gambling; and other commercial participant amusements. 24. Consists of net receipts of lotteries and expenditures for purchases of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, video cassette rentals, and recreational services, not elsewhere classified. 25. For private institutions, equals current expenditures (including consumption of fixed capital) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and less expenditures for research and development financed under contracts or grants. For government institutions, equals student payments of tuition. 26. For private institutions, equals current expenditures (including consumption of fixed capital) less receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures. For government institutions, equals student payments of tuition. Excludes child day care services, which are included in religious and welfare activities. 27. Consists of (1) fees paid to commercial, business, trade, and correspondence schools and for educational services, not elsewhere classified, and (2) current expenditures (including consumption of fixed capital) by research organizations and foundations for education and research. 28. For nonprofit institutions, equals current expenditures (including consumption of fixed capital) of religious, social welfare, foreign relief, and political organizations, museums, libraries, and foundations. The expenditures are net of receipts—such as those from meals, rooms, and entertainments—accounted for separately in consumer expenditures, and excludes relief payments within the United States and expenditures by foundations for education and research. For proprietary and government institutions, equals receipts from users. 29. Beginning with 1981, includes U.S. students' expenditures abroad; these expenditures were \$0.3 billion in 1981. 30. Beginning with 1981, includes nonresidents' student and medical care expenditures in the United States; student expenditures were \$2.2 billion and medical expenditures were \$0.4 billion in 1981.

Note: Consumer durable goods are designated (d.), nondurable goods (n.d.), and services (s.). Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table B.5. Private Fixed Investment in Structures by Type

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Private fixed investment in structures	678.5	731.0	759.9	617.9	638.5	634.9
Nonresidential	283.7	314.2	324.5	258.6	275.5	270.9
New	283.1	313.5	320.8	258.0	274.7	267.7
Nonresidential buildings, excluding farm	201.8	217.9	210.1	181.0	187.1	173.6
Industrial	28.7	28.0	25.6	25.8	24.0	21.1
Commercial	110.1	122.8	118.5	98.7	105.5	97.9
Office buildings ¹	55.4	64.7	60.5	49.6	55.6	50.0
Other ²	54.7	58.1	58.0	49.1	49.9	48.0
Religious	7.2	7.8	8.1	6.4	6.7	6.7
Educational	10.3	12.4	13.7	9.3	10.6	11.3
Hospital and institutional	15.1	16.1	16.8	13.5	13.8	13.9
Other ³	30.4	30.8	27.4	27.2	26.5	22.6
Utilities	47.3	53.7	55.0	45.7	50.4	50.3
Railroads	4.7	4.3	4.1	4.7	4.2	4.2
Telecommunications	18.3	18.7	18.4	18.2	18.2	17.3
Electric light and power	14.7	21.3	22.7	14.0	19.5	20.1
Gas	8.1	8.5	8.9	7.6	7.6	7.8
Petroleum pipelines	1.5	1.0	.9	1.4	.9	.8
Farm	5.1	6.0	6.1	4.5	5.1	5.1
Mining exploration, shafts, and wells	22.8	29.2	42.7	21.6	27.0	34.0
Petroleum and natural gas	21.6	28.0	41.3	20.4	26.0	32.8
Other	1.2	1.1	1.4	1.1	1.0	1.2
Other ⁴	6.2	6.7	6.8	5.7	6.0	5.9
Brokers' commissions on sale of structures	2.4	2.5	2.5	2.3	2.4	2.2
Net purchases of used structures	-1.8	-1.9	1.2	-1.6	-1.6	1.0
Residential	394.8	416.8	435.4	359.4	363.0	364.0
New	344.4	363.6	377.8	311.7	315.1	315.2
New housing units	250.1	259.7	271.6	225.6	224.2	225.5
Permanent site	236.1	248.9	262.8	212.2	213.9	217.0
Single-family structures	208.6	220.7	232.1	189.0	191.0	192.6
Multifamily structures	27.4	28.3	30.7	23.4	23.0	24.4
Manufactured homes	14.0	10.8	8.8	13.2	10.0	8.1
Improvements	93.0	102.4	104.6	84.9	89.7	88.4
Other ⁵	1.3	1.4	1.6	1.2	1.2	1.4
Brokers' commissions on sale of structures	53.9	56.2	60.0	51.0	50.6	50.9
Net purchases of used structures	-3.5	-2.9	-2.3	-3.1	-2.5	-1.9
Residual				-9	-9	-1.0

1. Consists of office buildings, except those constructed at industrial sites and those constructed by utilities for their own use.

2. Consists of stores, restaurants, garages, service stations, warehouses, mobile structures, and other buildings used for commercial purposes.

3. Consists of hotels and motels, buildings used primarily for social and recreational activities, and buildings not elsewhere classified, such as passenger terminals, greenhouses, and animal hospitals.

4. Consists primarily of streets, dams and reservoirs, sewer and water facilities, parks, and airfields.

5. Consists primarily of dormitories and of fraternity and sorority houses.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

Table B.6. Private Fixed Investment in Equipment and Software by Type

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Private fixed investment in equipment and software	898.7	960.8	886.4	984.8	1,065.4	997.6
Nonresidential equipment and software	889.8	951.6	877.1	975.9	1,056.0	988.2
Information processing equipment and software	402.3	446.9	404.3	508.1	583.3	548.5
Computers and peripheral equipment ¹	90.4	93.3	74.2	207.4	246.4	239.9
Software ²	162.5	179.4	180.4	169.3	184.4	182.0
Communication equipment	93.7	116.6	90.6	102.5	132.1	105.8
Instruments	38.2	40.6	43.6	37.9	40.1	42.6
Photocopy and related equipment	10.5	9.5	8.0	10.7	9.5	8.0
Office and accounting equipment	7.0	7.5	7.6	7.1	7.5	7.8
Industrial equipment	150.4	164.9	159.0	147.5	160.8	153.8
Fabricated metal products	13.4	13.8	13.7	13.5	13.9	13.4
Engines and turbines	5.7	7.0	9.3	5.4	6.6	8.8
Metalworking machinery	34.2	35.3	31.3	33.6	34.6	30.5
Special industry machinery, n.e.c.	38.3	44.4	41.0	37.2	43.0	39.4
General industrial, including materials handling, equipment	34.0	36.6	34.4	33.0	35.3	32.9
Electrical transmission, distribution, and industrial apparatus	24.8	27.8	29.3	24.8	27.3	28.7
Transportation equipment	194.7	189.7	165.8	193.2	186.6	163.6
Trucks, buses, and truck trailers	112.3	107.4	90.1	112.4	106.5	90.5
Autos	43.1	40.5	34.1	42.5	40.8	35.4
Aircraft	29.1	31.5	33.7	28.3	29.3	29.8
Ships and boats	2.7	3.2	3.2	2.6	2.9	2.9
Railroad equipment	7.6	7.1	4.7	7.7	7.2	4.8
Other equipment	145.6	153.4	150.8	141.8	148.5	144.5
Furniture and fixtures	38.1	40.6	35.7	37.1	39.2	34.0
Tractors	12.8	13.7	14.5	12.5	13.4	14.1
Agricultural machinery, except tractors	9.9	10.8	12.0	9.5	10.3	11.3
Construction machinery, except tractors	21.6	21.7	19.9	20.4	20.4	18.5
Mining and oilfield machinery	5.6	5.2	6.5	5.3	5.0	5.9
Service industry machinery	16.5	16.4	16.1	15.9	15.7	15.3
Electrical equipment, n.e.c.	14.4	16.4	17.9	14.9	17.3	19.0
Other	26.8	28.4	28.2	26.2	27.4	26.8
Less: Sale of equipment scrap, excluding autos	3.2	3.3	2.8	4.1	3.8	3.5
Residential equipment	8.8	9.3	9.3	9.0	9.4	9.5
Residual				-37.8	-56.3	-56.5
Addenda:						
Private fixed investment in equipment and software	898.7	960.8	886.4			
Less: Dealers' margin on used equipment	8.1	8.8	8.6			
Net purchases of used equipment from government	1.0	1.0	.9			
Plus: Net sales of used equipment	39.3	38.5	32.5			
Net exports of used equipment .....	.4	-2	.0			
Sale of equipment scrap	3.3	3.4	2.9			
Equals: Private fixed investment in new equipment and software	932.6	992.7	912.4			

1. Includes new computers and peripheral equipment only. Because of rapid changes in relative prices, the chained-dollar estimates for computers are especially misleading as a measure of the contribution or relative importance of this component.

2. Excludes software "embedded," or bundled, in computers and other equipment.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. The residual line is the difference between the first line and the sum of the most detailed lines.

n.e.c. Not elsewhere classified.

Table B.7. Compensation and Wage and Salary Accruals by Industry
 [Millions of dollars]

	Compensation			Wage and salary accruals				Compensation			Wage and salary accruals		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Total	5,308,801	5,723,399	5,874,879	4,475,588	4,836,329	4,950,605							
Domestic industries	5,314,546	5,729,274	5,881,042	4,481,333	4,842,204	4,956,768							
Private industries ¹	4,361,287	4,721,994	4,818,943	3,757,166	4,073,263	4,145,921							
Agriculture, forestry, and fishing ...	49,786	52,656	57,497	43,643	46,253	50,496	Communications	103,714	114,010	113,175	87,644	96,406	95,286
Farms	19,341	19,314	21,544	16,478	16,563	18,394	Telephone and telegraph	78,733	86,828	84,956	66,277	73,142	71,216
Agricultural services, forestry, and fishing	30,445	33,342	35,953	27,165	29,690	32,102	Radio and television	24,981	27,182	28,219	21,367	23,264	24,070
Mining	34,234	36,534	39,627	29,256	31,204	33,844	Electric, gas, and sanitary services	58,541	62,541	65,156	49,212	52,574	54,610
Metal mining	2,917	2,600	2,421	2,446	2,161	1,996	Wholesale trade	359,519	385,755	379,752	309,254	332,293	325,688
Coal mining	5,129	4,869	5,258	4,328	4,091	4,422	Retail trade	478,563	511,114	531,075	420,523	449,515	465,818
Oil and gas extraction	20,749	23,512	26,240	17,827	20,205	22,555	Finance, insurance, and real estate	458,091	501,923	531,995	395,757	434,720	459,937
Nonmetallic minerals, except fuels	5,439	5,553	5,708	4,655	4,747	4,871	Depository institutions	98,577	100,040	106,840	83,358	84,543	90,230
Construction	272,904	298,999	313,027	233,740	256,839	268,645	Nondepository institutions	40,714	41,510	49,161	34,787	35,473	42,046
Manufacturing	926,201	981,781	939,155	782,635	829,413	789,402	Security and commodity brokers	107,093	135,094	138,866	95,771	120,994	124,161
Durable goods	585,734	626,444	590,814	493,369	527,421	495,186	Insurance carriers	91,260	94,360	98,832	77,637	80,274	83,936
Lumber and wood products	28,712	29,146	28,559	24,464	24,814	24,256	Insurance agents, brokers, and service	38,697	41,075	44,766	33,701	35,800	38,956
Furniture and fixtures	18,727	19,707	18,929	15,955	16,759	16,047	Real estate	57,599	61,891	66,628	49,811	53,588	57,620
Stone, clay, and glass products	25,799	27,661	27,313	21,702	23,250	22,904	Holding and other investment offices	24,151	27,953	26,902	20,692	24,048	22,988
Primary metal industries	37,240	38,213	35,730	30,851	31,572	29,317	Services	1,431,970	1,578,136	1,644,716	1,250,487	1,380,070	1,434,418
Fabricated metal products	66,605	69,559	67,318	56,015	58,339	56,259	Hotels and other lodging places	46,437	49,802	50,191	40,453	43,495	43,722
Industrial machinery and equipment	121,216	132,198	118,992	104,321	113,783	102,037	Personal services	28,441	30,078	32,128	25,313	26,784	28,563
Electronic and other electric equipment	97,771	114,454	103,720	82,973	97,365	87,785	Business services	351,919	412,930	405,062	309,610	363,879	355,624
Motor vehicles and equipment	68,743	70,613	65,296	54,741	56,015	51,167	Auto repair, services, and parking	36,996	39,809	41,571	32,594	35,172	36,637
Other transportation equipment	51,965	51,649	52,500	43,375	42,954	43,615	Miscellaneous repair services	13,499	13,947	14,652	11,856	12,256	12,844
Instruments and related products	53,491	57,079	56,364	45,974	48,993	48,311	Motion pictures	22,480	23,933	24,443	19,779	21,052	21,435
Miscellaneous manufacturing industries	15,465	16,165	16,093	12,998	13,577	13,488	Amusement and recreation services	47,274	51,547	52,647	41,316	45,082	45,929
Nondurable goods	340,467	355,337	348,341	289,266	301,992	294,216	Health services	408,567	430,446	464,063	349,595	368,492	396,845
Food and kindred products	66,468	70,102	71,808	56,619	59,780	60,977	Legal services	72,180	79,170	85,255	63,581	69,846	75,067
Tobacco products	2,758	2,946	3,130	2,168	2,321	2,464	Educational services	66,841	72,643	78,808	57,978	63,057	68,314
Textile mill products	18,269	18,054	16,411	15,709	15,520	13,990	Social services and membership organizations	114,376	123,692	131,746	101,619	109,876	116,749
Apparel and other textile products	18,462	17,721	16,594	15,757	15,085	14,010	Social services	59,270	65,086	71,803	51,339	56,420	62,197
Paper and allied products	34,474	35,062	34,378	29,663	30,154	29,399	Membership organizations	55,106	58,606	59,943	50,280	53,456	54,552
Printing and publishing	69,716	73,248	71,895	60,196	63,280	61,773	Other services ³	210,248	236,574	252,269	184,404	207,845	221,113
Chemicals and allied products	77,224	83,713	80,990	64,397	69,950	67,159	Private households	12,712	13,565	11,881	12,389	13,234	11,576
Petroleum and coal products	10,040	9,810	10,149	8,288	8,070	8,317	Government	953,259	1,007,280	1,062,099	724,167	768,941	810,847
Rubber and miscellaneous plastics products	40,582	42,232	40,731	34,345	35,730	34,208	Federal	277,699	293,678	300,286	184,222	195,598	197,378
Leather and leather products	2,474	2,449	2,255	2,124	2,102	1,919	General government	221,496	233,437	240,534	146,475	154,845	157,914
Transportation and public utilities	350,019	375,096	382,099	291,871	312,956	317,673	Civilian	134,369	142,052	144,305	90,174	96,000	95,609
Transportation	187,764	198,545	203,768	155,015	163,976	167,777	Military ⁴	87,127	91,385	96,229	56,301	58,845	62,305
Railroad transportation	17,023	16,749	16,759	12,656	12,415	12,383	Government enterprises	56,203	60,241	59,752	37,747	40,753	39,464
Local and interurban passenger transit	11,952	12,684	13,272	10,185	10,814	11,291	State and local	675,560	713,602	761,813	539,945	573,343	613,469
Trucking and warehousing ²	70,671	74,287	75,765	58,645	61,625	62,623	General government	633,337	669,207	711,554	505,640	537,090	572,373
Water transportation	9,068	9,667	10,043	7,588	8,100	8,392	Education	340,095	360,574	382,057	269,529	287,229	305,171
Transportation by air ²	59,591	64,005	66,426	49,281	52,887	54,721	Other ¹	293,242	308,633	329,497	236,111	249,861	267,202
Pipelines, except natural gas	1,000	1,018	1,092	850	865	925	Government enterprises ⁵	42,223	44,395	50,259	34,305	36,253	41,096
Transportation services	18,459	20,135	20,411	15,810	17,270	17,442	Rest of the world	-5,745	-5,875	-6,163	-5,745	-5,875	-6,163
							Receipts from the rest of the world	2,210	2,341	2,382	2,210	2,341	2,382
							Less: Payments to the rest of the world ⁵	7,955	8,216	8,545	7,955	8,216	8,545
							Addenda:						
							Households and institutions	403,143	431,088	459,628			
							Nonfarm business	4,037,229	4,376,228	4,447,782			

1. Beginning with 2001, reflects the reclassification of employees of Indian tribal governments from the private sector in accordance with the Consolidated Appropriations Act of 2001.

2. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.

3. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.

4. Includes Coast Guard.

5. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE: Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.8. Employment by Industry
[Thousands]

	Full-time and part-time employees			Persons engaged in production ¹				Full-time and part-time employees			Persons engaged in production ¹		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Total	136,294	139,207	138,840	132,149	134,723	134,288	Water transportation.....	188	194	192	185	191	197
Domestic industries	136,861	139,787	139,448	132,635	135,220	134,809	Transportation by air ³	1,245	1,297	1,286	1,163	1,216	1,205
Private industries ²	114,320	116,778	116,014	113,888	116,177	115,364	Pipelines, except natural gas	13	13	14	13	13	14
Agriculture, forestry, and fishing	2,294	2,319	2,341	3,393	3,341	3,342	Transportation services	476	488	480	474	476	467
Farms	923	890	870	1,693	1,635	1,608	Communications.....	1,553	1,665	1,700	1,423	1,522	1,554
Agricultural services, forestry, and fishing	1,371	1,429	1,471	1,700	1,706	1,734	Telephone and telegraph.....	1,107	1,195	1,220	1,011	1,088	1,107
Mining	539	541	568	544	546	581	Radio and television	446	470	480	412	434	447
Metal mining.....	44	40	35	45	42	36	Electric, gas, and sanitary services.....	863	857	860	860	851	857
Coal mining	86	79	82	85	77	81	Wholesale trade	6,992	7,104	6,832	7,015	7,098	6,794
Oil and gas extraction	296	308	338	304	315	354	Retail trade	23,542	24,049	24,147	20,954	21,423	21,485
Nonmetallic minerals, except fuels	113	114	113	110	112	110	Finance, insurance, and real estate	7,705	7,743	7,856	7,809	7,840	7,861
Construction	6,704	7,007	7,038	8,023	8,368	8,350	Depository institutions.....	2,049	2,036	2,047	1,928	1,904	1,904
Manufacturing	18,673	18,567	17,702	18,663	18,507	17,682	Nondepository institutions.....	709	686	716	691	667	690
Durable goods	11,178	11,179	10,632	11,223	11,214	10,671	Security and commodity brokers	727	797	820	796	873	855
Lumber and wood products.....	858	849	804	916	899	854	Insurance carriers	1,608	1,585	1,583	1,526	1,497	1,488
Furniture and fixtures.....	550	558	524	562	569	530	Insurance agents, brokers, and service... ..	795	800	820	873	893	909
Stone, clay, and glass products	572	582	572	573	580	573	Real estate.....	1,567	1,581	1,615	1,759	1,764	1,777
Primary metal industries.....	698	700	646	697	642	642	Holding and other investment offices.....	250	258	255	236	242	238
Fabricated metal products.....	1,529	1,544	1,470	1,517	1,537	1,452	Services	40,975	42,337	42,412	40,637	42,040	42,217
Industrial machinery and equipment	2,141	2,119	2,006	2,135	2,106	2,002	Hotels and other lodging places	1,935	1,981	1,942	1,759	1,818	1,792
Electronic and other electric equipment.....	1,671	1,719	1,627	1,657	1,705	1,610	Personal services	1,363	1,387	1,414	1,831	1,879	1,878
Motor vehicles and equipment.....	1,023	1,020	941	1,018	1,018	943	Business services	9,438	10,048	9,622	9,567	10,197	9,850
Other transportation equipment.....	874	836	812	872	834	811	Auto repair, services, and parking	1,326	1,366	1,388	1,557	1,589	1,601
Instruments and related products.....	854	843	840	841	836	835	Miscellaneous repair services.....	390	381	384	552	538	564
Miscellaneous manufacturing industries.....	408	409	390	435	434	419	Motion pictures	612	609	589	659	652	634
Nondurable goods	7,495	7,388	7,070	7,440	7,293	7,011	Amusement and recreation services.....	1,783	1,856	1,811	1,547	1,636	1,601
Food and kindred products	1,697	1,700	1,702	1,680	1,675	1,681	Health services.....	10,359	10,483	10,775	9,647	9,770	10,040
Tobacco products	37	35	34	36	34	33	Legal services.....	1,142	1,163	1,188	1,219	1,222	1,261
Textile mill products.....	560	534	475	556	536	471	Educational services.....	2,350	2,442	2,536	2,164	2,265	2,371
Apparel and other textile products	697	640	564	708	616	560	Social services and membership organizations.....	5,387	5,581	5,671	5,188	5,354	5,432
Paper and allied products.....	669	657	629	664	651	623	Social services.....	2,859	2,992	3,143	3,086	3,201	3,330
Printing and publishing.....	1,576	1,569	1,508	1,557	1,544	1,498	Membership organizations	2,528	2,589	2,528	2,102	2,153	2,102
Chemicals and allied products	1,037	1,038	1,017	1,026	1,029	1,011	Other services ⁴	3,639	3,832	3,971	4,085	4,287	4,420
Petroleum and coal products.....	131	126	124	131	125	124	Private households	1,251	1,208	1,121	862	833	773
Rubber and miscellaneous plastics products.....	1,012	1,017	954	1,002	1,007	945	Government	22,541	23,009	23,434	18,747	19,043	19,445
Leather and leather products	79	72	63	80	76	65	Federal	5,141	5,237	5,076	4,167	4,198	4,119
Transportation and public utilities	6,896	7,111	7,118	6,850	7,014	7,052	General government	4,146	4,260	4,114	3,370	3,416	3,338
Transportation	4,480	4,589	4,558	4,567	4,641	4,641	Civilian	1,855	1,976	1,825	1,821	1,869	1,790
Railroad transportation	221	212	203	209	201	192	Military ⁵	2,291	2,284	2,289	1,549	1,547	1,548
Local and interurban passenger transit	489	500	506	503	503	521	Government enterprises.....	995	977	962	797	782	781
Trucking and warehousing ³	1,848	1,885	1,877	2,020	2,041	2,045	State and local	17,400	17,772	18,358	14,580	14,845	15,326
							General government.....	16,546	16,903	17,382	13,705	13,964	14,334
							Education.....	9,149	9,383	9,623	7,367	7,567	7,784
							Other ²	7,397	7,520	7,759	6,338	6,397	6,550
							Government enterprises ²	854	869	976	875	881	992
							Rest of the world ⁶	-567	-580	-608	-486	-497	-521

1. Equals the number of full-time equivalent employees plus the number of self-employed persons. Unpaid family workers are not included.

2. Beginning with 2001, reflects the reclassification of employees of Indian tribal governments from the private sector in accordance with the Consolidated Appropriations Act of 2001.

3. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.

4. Consists of museums, botanical and zoological gardens; engineering and management services; and

services, not elsewhere classified.

5. Includes Coast Guard.

6. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE. Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.9. Wage and Salary Accruals Per Full-Time Equivalent Employee and Full-Time Equivalent Employees by Industry

	Wage and salary accruals per full-time equivalent employee			Full-time equivalent employees ¹				Wage and salary accruals per full-time equivalent employee			Full-time equivalent employees ¹		
	Dollars			Thousands				Dollars			Thousands		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
Total	36,677	38,759	39,784	122,028	124,779	124,438							
Domestic industries	36,578	38,652	39,667	122,514	125,276	124,959							
Private industries ²	36,208	38,343	39,293	103,767	106,233	105,514							
Agriculture, forestry, and fishing	21,124	22,258	24,219	2,066	2,078	2,085	Water transportation	43,114	44,751	46,883	176	181	179
Farms	20,832	21,708	24,657	791	763	746	Transportation by air ³	42,520	43,817	45,715	1,159	1,207	1,197
Agricultural services, forestry, and fishing	21,306	22,578	23,975	1,275	1,315	1,339	Pipelines, except natural gas	65,385	66,538	66,071	13	13	14
Mining	55,409	58,875	60,871	528	530	556	Transportation services	36,178	38,549	39,641	437	448	440
Metal mining	55,591	54,025	57,029	44	40	35	Communications	62,336	64,057	62,157	1,406	1,505	1,533
Coal mining	51,524	53,130	55,275	84	77	80	Telephone and telegraph.....	66,079	67,661	64,683	1,003	1,081	1,101
Oil and gas extraction	61,472	66,904	68,142	290	302	331	Radio and television.....	53,020	54,868	55,718	403	424	432
Nonmetallic minerals, except fuels	42,318	42,766	44,282	110	111	110	Electric, gas, and sanitary services	57,965	62,365	64,399	849	843	848
Construction	36,138	37,899	39,385	6,468	6,777	6,821	Wholesale trade	45,986	48,738	49,701	6,725	6,818	6,553
Manufacturing	42,821	45,675	45,580	18,277	18,159	17,319	Retail trade	21,445	22,264	23,009	19,609	20,190	20,245
Durable goods	44,835	47,930	47,409	11,004	11,004	10,445	Finance, insurance, and real estate	55,374	60,817	63,738	7,147	7,148	7,216
Lumber and wood products	28,986	30,005	30,978	844	827	783	Depository institutions	43,370	44,473	47,440	1,922	1,901	1,902
Furniture and fixtures	29,601	30,694	31,465	539	546	510	Nondepository institutions	51,999	54,997	62,849	669	645	669
Stone, clay, and glass products	38,616	40,718	40,900	562	571	560	Securify and commodity brokers.....	139,608	161,541	161,879	686	749	767
Primary metal industries.....	44,582	45,493	45,808	692	694	640	Insurance carriers	50,876	53,623	56,409	1,526	1,497	1,488
Fabricated metal products.....	37,145	38,305	39,096	1,508	1,523	1,439	Insurance agents, brokers, and service	45,358	48,118	51,325	743	744	759
Industrial machinery and equipment	49,629	54,703	51,717	2,102	2,080	1,973	Real estate	36,492	39,115	41,364	1,365	1,370	1,393
Electronic and other electric equipment.....	50,348	57,307	54,729	1,648	1,699	1,604	Holding and other investment offices	87,678	99,372	96,588	236	242	238
Motor vehicles and equipment.....	53,879	55,296	54,783	1,016	1,013	934	Services	34,236	36,396	37,647	36,525	37,918	38,102
Other transportation equipment.....	50,087	51,877	54,315	866	828	803	Hotels and other lodging places.....	23,657	24,727	25,229	1,710	1,759	1,733
Instruments and related products.....	54,993	58,957	58,347	836	831	828	Personal services	21,024	21,811	22,759	1,204	1,228	1,255
Miscellaneous manufacturing industries.....	33,243	34,635	36,356	391	392	371	Business services	35,235	38,706	39,444	8,787	9,401	9,016
Nondurable goods	39,773	42,207	42,801	7,273	7,155	6,874	Auto repair, services, and parking	25,685	26,788	27,321	1,269	1,313	1,341
Food and kindred products	34,149	35,990	36,755	1,658	1,661	1,659	Miscellaneous repair services.....	32,482	34,235	35,383	365	358	363
Tobacco products	60,222	68,265	74,667	36	34	33	Motion pictures	40,781	43,406	45,413	485	485	472
Textile mill products	28,458	29,394	29,957	552	528	467	Amusement and recreation services	28,513	29,446	30,763	1,449	1,531	1,493
Apparel and other textile products	23,344	25,268	25,944	675	597	540	Health services	37,765	39,256	41,022	9,257	9,387	9,674
Paper and allied products	44,876	46,462	47,265	661	649	622	Legal services.....	62,580	67,484	71,019	1,016	1,035	1,057
Printing and publishing	41,061	43,254	43,533	1,466	1,463	1,419	Educational services	28,104	29,356	30,538	2,063	2,148	2,237
Chemicals and allied products	62,949	68,311	66,825	1,023	1,024	1,005	Social services and membership organizations	21,901	22,786	23,729	4,640	4,822	4,920
Petroleum and coal products	63,754	64,560	67,618	130	125	123	Social services	20,228	21,139	22,071	2,538	2,669	2,818
Rubber and miscellaneous plastics products	34,483	35,623	36,199	996	1,003	945	Membership organizations	23,920	24,829	25,952	2,102	2,153	2,102
Leather and leather products	27,947	29,606	31,459	76	71	61	Other services ⁴	53,951	57,447	58,682	3,418	3,618	3,768
Transportation and public utilities	45,449	47,310	48,009	6,422	6,615	6,617	Private households	14,372	15,887	14,975	862	833	773
Transportation	37,201	38,429	39,607	4,167	4,267	4,236	Government	38,628	40,379	41,700	18,747	19,043	19,445
Railroad transportation	60,555	61,766	64,495	209	201	192	Federal	44,210	46,593	47,919	4,167	4,198	4,119
Local and interurban passenger transit	22,785	23,663	24,439	447	457	462	General government	43,464	45,329	47,308	3,370	3,416	3,338
Trucking and warehousing ³	33,977	35,014	35,744	1,726	1,760	1,752	Civilian	49,519	51,364	53,413	1,821	1,869	1,790
							Military ⁵	36,347	38,038	40,249	1,549	1,547	1,548
							Government enterprises	47,361	52,114	50,530	797	782	781
							State and local	37,033	38,622	40,028	14,580	14,845	15,326
							General government	36,895	38,462	39,931	13,705	13,964	14,334
							Education	36,586	37,958	39,205	7,367	7,567	7,784
							Other ²	37,253	39,059	40,794	6,338	6,397	6,550
							Government enterprises ³	39,206	41,150	41,427	875	881	992
							Rest of the world ⁶				-486	-497	-521

1. Full-time equivalent employees equals the number of employees on full-time schedules plus the number of employees on part-time schedules converted to a full-time basis. The number of full-time equivalent employees in each industry is the product of the total number of employees and the ratio of average weekly hours per employee for all employees to average weekly hours per employee on full-time schedules.

2. Beginning with 2001, reflects the reclassification of employees of Indian tribal governments from the private sector in accordance with the Consolidated Appropriations Act of 2001.

3. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.

4. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.

5. Includes Coast Guard.

6. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

NOTE. Estimates in this table are based on the 1987 Standard Industrial Classification (SIC).

Table B.10. Farm Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Farm output	207.5	214.3	221.3	244.1	249.2	246.1
Cash receipts from farm marketings	191.4	199.4	200.9	226.2	233.4	224.4
Crops	95.7	99.8	94.3	125.2	130.9	122.9
Livestock	95.7	99.7	106.6	101.1	102.9	101.3
Farm housing	7.2	7.6	8.0	6.1	6.0	5.9
Farm products consumed on farms .....	.5	.6	.6	.5	.5	.5
Other farm income	9.9	8.9	10.3	11.8	10.6	12.2
Change in farm inventories	-1.5	-2.2	1.6	-2.0	-2.5	2.0
Crops	-9	-1.6	2.1	-1.4	-2.2	3.6
Livestock	-6	-6	-5	-6	-6	-4
Less: Intermediate goods and services purchased	132.3	136.5	140.7	137.2	133.3	134.6
Intermediate goods and services, other than rent	118.6	122.2	126.1	123.1	119.5	120.8
Rent paid to nonoperator landlords	13.8	14.2	14.7	14.1	13.8	13.8
Equals: Gross farm product	75.2	77.8	80.6	108.1	120.5	114.3
Less: Consumption of fixed capital	28.9	28.7	29.4	27.7	27.0	27.3
Equals: Net farm product	46.3	49.2	51.2	80.9	97.9	89.5
Less: Indirect business tax and nontax liability	5.3	5.4	5.6	.....	.....	.....
Plus: Subsidies to operators	18.4	19.5	17.7	.....	.....	.....
Equals: Farm national income	59.3	63.3	63.2	.....	.....	.....
Compensation of employees	19.3	19.3	21.5	.....	.....	.....
Wage and salary accruals	16.5	16.6	18.4	.....	.....	.....
Supplements to wages and salaries	2.9	2.7	3.1	.....	.....	.....
Proprietors' income and corporate profits with inventory valuation and capital consumption adjustments	29.6	33.2	30.9	.....	.....	.....
Proprietors' income	27.7	22.6	19.0	.....	.....	.....
Corporate profits	1.9	10.6	11.8	.....	.....	.....
Net interest	10.3	10.9	10.8	.....	.....	.....

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table B.11. Housing Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1996) dollars		
	1999	2000	2001	1999	2000	2001
Housing output ¹	876.4	920.3	976.0	802.5	817.2	833.6
Nonfarm housing	869.2	912.7	968.1	796.4	811.2	827.8
Owner-occupied	666.4	704.9	751.0	610.7	627.3	643.5
Tenant-occupied	202.8	207.8	217.1	185.8	184.0	184.3
Farm housing	7.2	7.6	8.0	6.1	6.0	5.9
Less: Intermediate goods and services consumed	116.9	116.3	138.4	105.5	101.3	115.9
Equals: Gross housing product	759.5	804.0	837.6	697.0	716.1	717.5
Nonfarm housing	753.6	797.8	831.1	691.9	711.0	712.6
Owner-occupied	576.3	615.5	642.3	529.1	549.9	552.1
Tenant-occupied	177.4	182.2	188.8	162.8	161.1	160.5
Farm housing	5.9	6.3	6.5	5.1	5.1	4.9
Less: Consumption of fixed capital	145.4	152.5	166.1	132.2	132.7	140.0
Capital consumption allowances	77.8	81.8	88.4	.....	.....	.....
Less: Capital consumption adjustment	-67.6	-70.7	-77.7	.....	.....	.....
Equals: Net housing product	614.1	651.5	671.4	478.7	494.5	489.4
Less: Indirect business tax and nontax liability plus business transfer payments	135.7	140.7	146.0	.....	.....	.....
Plus: Subsidies less current surplus of government enterprises	23.7	23.8	24.3	.....	.....	.....
Equals: Housing national income	502.2	534.6	549.8	.....	.....	.....
Compensation of employees	10.0	10.9	11.3	.....	.....	.....
Proprietors' income with inventory valuation and capital consumption adjustments	19.7	18.5	18.1	.....	.....	.....
Rental income of persons with capital consumption adjustment	130.7	128.1	118.9	.....	.....	.....
Corporate profits with inventory valuation and capital consumption adjustments	4.1	4.1	4.0	.....	.....	.....
Net interest	337.6	373.1	397.5	.....	.....	.....

1. Equals personal consumption expenditures for housing less expenditures for other housing as shown in table B.4.

NOTE. Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table B.12. Net Stock of Private Fixed Assets; Equipment, Software, and Structures; by Type
[Year-end estimates]

	Current-cost valuation (Billions of dollars)						Chain-type quantity indexes (1996=100)					
	1996	1997	1998	1999	2000	2001	1996	1997	1998	1999	2000	2001
Private fixed assets	16,722.5	17,653.1	18,649.6	19,880.4	21,215.2	22,190.4	100.00	102.96	106.36	109.89	113.63	116.62
Equipment and software	3,416.3	3,585.3	3,779.2	4,013.2	4,288.3	4,411.0	100.00	105.94	113.09	120.44	128.62	133.36
Nonresidential equipment and software	3,352.2	3,519.8	3,711.6	3,943.9	4,215.5	4,335.1	100.00	105.98	113.19	120.59	128.83	133.57
Information processing equipment and software	906.0	974.8	1,035.9	1,137.4	1,259.0	1,287.8	100.00	111.57	126.01	142.40	160.15	169.75
Computers and peripheral equipment	101.5	112.2	117.5	137.9	153.4	138.6	100.00	142.35	201.39	279.41	355.94	398.10
Software ¹	173.7	200.7	236.4	280.3	324.5	345.5	100.00	116.25	137.85	160.73	180.67	191.64
Communication equipment	363.8	388.2	399.9	430.2	482.9	498.6	100.00	108.02	118.26	131.85	151.45	161.64
Instruments	175.0	181.9	191.3	201.3	213.7	226.6	100.00	104.07	109.35	114.95	120.96	127.52
Photocopy and related equipment	71.5	70.2	69.2	66.4	63.7	58.5	100.00	99.34	99.11	94.93	90.04	83.07
Office and accounting equipment	20.5	21.6	21.5	21.3	20.8	19.8	100.00	105.39	106.55	102.73	101.21	97.60
Industrial equipment	1,119.1	1,156.9	1,199.5	1,240.7	1,292.7	1,328.7	100.00	102.97	106.11	108.90	112.88	115.95
Fabricated metal products	98.7	98.6	99.3	101.3	104.0	106.1	100.00	100.28	101.26	104.08	106.94	109.33
Engines and turbines	57.3	58.5	59.3	59.4	62.3	67.1	100.00	100.11	100.99	99.32	103.46	110.97
Steam engines	50.4	51.2	51.5	50.5	52.8	57.3	100.00	99.28	99.44	95.90	99.38	107.53
Internal combustion engines	6.9	7.3	7.8	8.8	9.5	9.8	100.00	106.25	112.51	124.76	133.79	136.56
Metalworking machinery	219.2	227.8	237.8	244.1	252.9	254.4	100.00	103.54	107.42	110.15	113.35	114.39
Special industry machinery, n.e.c.	253.1	262.1	274.3	282.9	296.6	303.4	100.00	103.09	106.33	109.32	114.44	117.72
General industrial, including materials handling, equipment	234.9	243.0	253.1	260.4	269.9	276.9	100.00	102.69	105.84	108.36	111.46	113.23
Electrical transmission, distribution, and industrial apparatus	255.9	266.8	275.6	292.6	306.9	320.7	100.00	104.29	108.04	111.94	116.67	121.65
Transportation equipment	690.4	716.5	764.2	816.4	873.7	898.1	100.00	104.95	111.35	118.15	125.16	128.15
Trucks, buses, and truck trailers	260.7	283.0	321.8	366.5	395.8	397.4	100.00	111.12	125.02	140.52	151.11	153.83
Autos	159.0	159.9	157.8	157.3	155.4	156.9	100.00	101.49	100.75	103.40	105.31	104.55
Aircraft	147.1	149.6	158.5	163.4	189.6	210.8	100.00	101.56	106.89	107.49	117.85	127.34
Ships and boats	46.5	46.9	46.9	46.9	48.3	49.1	100.00	99.16	98.31	96.27	96.47	96.48
Railroad equipment	77.1	77.1	79.1	82.3	84.6	83.8	100.00	101.34	103.91	107.32	109.74	109.07
Other equipment	636.8	671.6	712.0	749.4	790.1	820.6	100.00	104.58	110.18	114.97	120.23	123.93
Furniture and fixtures	178.2	189.3	200.4	213.5	228.5	236.0	100.00	104.92	111.13	117.33	124.23	127.24
Household furniture	9.0	9.1	9.3	9.6	10.0	10.3	100.00	100.37	102.37	105.65	109.33	111.57
Other furniture	169.2	180.2	191.1	203.9	218.5	225.6	100.00	105.16	111.59	117.95	125.02	128.07
Tractors	59.3	63.4	67.8	69.3	71.4	74.0	100.00	106.36	112.79	114.59	117.87	121.70
Farm tractors	48.6	51.7	54.9	55.6	56.9	58.9	100.00	105.88	111.71	112.75	115.42	119.51
Construction tractors	10.6	11.7	13.0	13.8	14.5	15.1	100.00	108.56	117.67	122.83	128.80	131.55
Agricultural machinery, except tractors	74.9	77.2	79.9	79.6	80.2	82.2	100.00	102.00	104.37	102.87	102.54	103.31
Construction machinery, except tractors	82.1	87.2	94.0	100.3	105.1	107.5	100.00	104.53	110.53	115.85	120.61	122.74
Mining and oilfield machinery	16.6	18.1	19.3	21.2	22.8	25.3	100.00	106.90	113.17	123.07	129.52	139.95
Service industry machinery	68.8	72.1	75.6	79.5	82.7	84.5	100.00	103.57	107.69	112.25	115.99	117.65
Electrical equipment, n.e.c.	44.7	46.9	50.9	53.9	58.5	63.8	100.00	106.49	116.43	125.56	137.79	151.19
Household appliances	2.9	2.8	2.9	2.9	2.9	3.0	100.00	99.49	100.73	102.27	104.57	107.97
Other	41.9	44.1	48.0	51.0	55.6	60.8	100.00	106.97	117.51	127.17	140.10	154.19
Other nonresidential equipment	112.2	117.4	124.2	132.2	140.9	147.2	100.00	104.39	109.56	115.27	121.30	125.87
Residential equipment	64.1	65.5	67.6	69.3	72.8	75.9	100.00	103.62	107.61	112.38	117.44	122.13
Structures	13,306.3	14,067.9	14,870.4	15,867.2	16,926.9	17,779.4	100.00	102.21	104.70	107.35	110.10	112.70
Nonresidential structures	5,175.0	5,487.0	5,746.2	6,069.9	6,480.0	6,767.2	100.00	102.04	104.33	106.70	109.30	111.56
Nonresidential buildings, excluding farm	3,285.6	3,498.9	3,740.8	4,012.5	4,296.2	4,506.6	100.00	102.71	105.66	108.59	111.63	114.11
Industrial buildings	729.2	765.4	806.4	843.0	878.1	898.2	100.00	101.24	102.57	102.83	102.85	102.52
Office buildings ²	756.3	804.9	865.5	936.1	1,015.8	1,075.1	100.00	102.63	106.13	109.99	114.58	118.15
Commercial buildings	843.8	902.7	965.3	1,035.8	1,109.2	1,165.8	100.00	103.19	106.22	109.20	112.27	115.01
Mobile structures	8.5	8.9	9.3	9.9	10.4	10.9	100.00	102.63	106.13	109.33	112.96	116.05
Other commercial ³	835.2	893.7	956.0	1,025.9	1,098.9	1,154.9	100.00	103.20	106.22	109.20	112.27	115.01
Religious buildings	145.7	153.9	163.5	176.0	189.1	199.2	100.00	101.88	104.09	107.31	110.68	113.67
Educational buildings	137.9	149.7	163.7	179.1	197.0	212.8	100.00	104.61	110.04	115.52	121.93	128.34
Hospital and institutional buildings	327.7	348.7	371.1	397.9	426.0	448.8	100.00	102.61	105.08	108.00	110.98	113.94
Other	345.1	373.6	405.3	444.5	481.0	506.7	100.00	104.49	109.23	114.53	119.02	122.19
Hotels and motels	177.5	194.8	215.3	238.7	261.8	278.3	100.00	105.90	112.59	119.38	125.77	130.34
Amusement and recreational buildings	92.7	101.0	109.8	119.9	129.3	135.8	100.00	105.11	109.88	114.96	118.95	121.84
Other nonfarm buildings ⁴	75.0	77.7	80.3	85.9	90.0	92.5	100.00	100.35	100.42	102.44	103.04	103.24
Utilities	1,229.0	1,264.7	1,283.0	1,321.6	1,383.6	1,420.3	100.00	100.87	102.20	104.18	106.33	108.39
Railroad	299.2	301.2	295.4	286.2	287.1	278.8	100.00	99.54	99.33	98.82	98.16	97.55
Telecommunications	235.3	239.5	243.0	258.7	280.5	301.9	100.00	102.15	104.16	110.96	117.70	123.44
Electric light and power	483.4	503.9	512.7	532.3	560.4	580.0	100.00	101.01	101.85	103.18	105.12	107.20
Gas	168.9	176.7	187.6	198.1	207.9	212.0	100.00	101.34	105.96	107.89	109.81	111.82
Petroleum pipelines	42.1	43.4	44.3	46.3	47.7	47.5	100.00	99.85	100.34	101.25	100.98	100.55
Farm related buildings and structures	204.4	210.7	218.1	226.8	236.8	243.3	100.00	99.42	99.00	98.72	98.88	99.01
Mining exploration, shafts, and wells	311.2	360.8	347.4	344.3	389.8	415.2	100.00	101.65	102.77	102.63	104.21	106.58
Petroleum and natural gas	277.4	325.5	311.2	307.0	351.6	376.3	100.00	101.82	103.17	103.18	105.15	107.90
Other mining	33.8	35.2	36.2	37.2	38.2	38.8	100.00	100.25	99.25	97.95	96.41	95.49
Other nonfarm structures ⁵	144.8	152.1	156.9	164.6	173.6	181.8	100.00	101.40	102.97	104.62	106.43	108.06
Residential structures	8,131.2	8,580.8	9,124.2	9,797.4	10,447.0	11,012.3	100.00	102.31	104.95	107.77	110.61	113.44
Housing units	6,624.6	6,995.2	7,449.5	8,016.1	8,545.6	9,017.7	100.00	102.25	104.85	107.64	110.39	113.14
Permanent site	6,483.0	6,845.0	7,289.1	7,845.4	8,369.8	8,837.3	100.00	102.19	104.75	107.50	110.27	113.08
1-to-4-unit	5,663.1	5,959.4	6,334.9	6,844.5	7,309.2	7,733.3	100.00	102.38	105.18	108.17	111.20	114.26
Farm	126.9	130.4	135.0	143.1	149.4	154.5	100.00	99.96	100.05	100.92	101.42	101.85
Nonfarm	5,536.2	5,829.0	6,199.9	6,701.4	7,159.8	7,578.8	100.00	102.44	105.29	108.34	111.43	114.54
5-or-more-unit	819.9	885.6	954.2	1,000.9	1,060.6	1,						

C. Historical Measures

This table is derived from the "GDP and Other Major NIPA Series" tables that were published in the August 2002 issue of the SURVEY OF CURRENT BUSINESS and from the "Selected NIPA Tables" that are published in this issue. (Changes in prices are calculated from indexes expressed to three decimal places.)

Table C.1. GDP and Other Major NIPA Aggregates

[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1996) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price indexes		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1959	2,319.0	2,317.4	2,332.8	7.2	6.3	21.88	21.41	21.88	21.88	1.1	1.1	1.1	1.1
1960	2,376.7	2,378.5	2,391.9	2.5	2.6	22.19	21.71	22.19	22.18	1.4	1.4	1.4	1.4
1961	2,432.0	2,435.5	2,448.8	2.3	2.4	22.43	21.94	22.44	22.43	1.1	1.1	1.1	1.1
1962	2,578.9	2,569.5	2,598.0	6.0	5.5	22.74	22.23	22.74	22.74	1.4	1.3	1.4	1.4
1963	2,690.4	2,683.6	2,710.8	4.3	4.4	22.99	22.50	23.00	22.99	1.1	1.2	1.1	1.1
1964	2,846.5	2,844.1	2,868.5	5.8	6.0	23.34	22.85	23.34	23.34	1.5	1.6	1.5	1.5
1965	3,028.5	3,008.5	3,051.7	6.4	5.8	23.77	23.26	23.78	23.77	1.9	1.8	1.9	1.9
1966	3,227.5	3,191.1	3,248.9	6.6	6.1	24.45	23.91	24.46	24.45	2.8	2.8	2.9	2.9
1967	3,308.3	3,288.2	3,330.4	2.5	3.0	25.21	24.61	25.21	25.21	3.1	2.9	3.1	3.1
1968	3,466.1	3,450.0	3,489.8	4.8	4.9	26.29	25.66	26.30	26.29	4.3	4.3	4.3	4.3
1969	3,571.4	3,555.9	3,594.1	3.0	3.1	27.59	26.92	27.59	27.59	4.9	4.9	4.9	4.9
1970	3,578.0	3,588.6	3,600.6	.2	.9	29.05	28.37	29.06	29.05	5.3	5.4	5.3	5.3
1971	3,697.7	3,688.1	3,722.9	3.3	2.8	30.52	29.84	30.52	30.52	5.0	5.2	5.0	5.1
1972	3,898.4	3,887.7	3,925.7	5.4	5.4	31.81	31.17	31.82	31.82	4.2	4.5	4.3	4.2
1973	4,123.4	4,094.3	4,161.0	5.8	5.3	33.60	32.99	33.60	33.60	5.6	5.8	5.6	5.6
1974	4,099.0	4,080.7	4,142.3	-6	-3	36.60	36.35	36.62	36.62	9.0	10.2	9.0	9.0
1975	4,084.4	4,118.5	4,117.7	-4	.9	40.03	39.69	40.03	40.03	9.4	9.2	9.3	9.3
1976	4,311.7	4,288.8	4,351.4	5.6	4.1	42.29	41.93	42.30	42.31	5.7	5.7	5.7	5.7
1977	4,511.8	4,478.8	4,556.6	4.6	4.4	45.02	44.80	45.02	45.03	6.4	6.8	6.4	6.4
1978	4,760.6	4,722.9	4,805.3	5.5	5.5	48.22	48.02	48.23	48.24	7.1	7.2	7.1	7.1
1979	4,912.1	4,894.4	4,973.9	3.2	3.6	52.24	52.26	52.25	52.26	8.3	8.8	8.3	8.3
1980	4,900.9	4,928.1	4,962.3	-2	.7	57.05	57.79	57.04	57.05	9.2	10.6	9.2	9.2
1981	5,021.0	4,989.5	5,075.4	2.5	1.2	62.37	63.05	62.37	62.38	9.3	9.1	9.3	9.3
1982	4,919.3	4,954.9	4,973.6	-2.0	-7	66.26	66.71	66.25	66.26	6.2	5.8	6.2	6.2
1983	5,132.3	5,154.5	5,184.9	4.3	4.0	68.87	69.05	68.88	68.89	3.9	3.5	4.0	4.0
1984	5,505.2	5,427.9	5,553.8	7.3	5.3	71.44	71.46	71.44	71.45	3.7	3.5	3.7	3.7
1985	5,717.1	5,698.8	5,750.9	3.8	5.0	73.69	73.56	73.69	73.70	3.2	2.9	3.2	3.2
1986	5,912.4	5,912.6	5,932.5	3.4	3.8	75.32	75.22	75.31	75.32	2.2	2.3	2.2	2.2
1987	6,113.3	6,088.8	6,130.8	3.4	3.0	77.58	77.70	77.58	77.58	3.0	3.3	3.0	3.0
1988	6,368.4	6,352.6	6,391.1	4.2	4.3	80.22	80.36	80.21	80.22	3.4	3.4	3.4	3.4
1989	6,591.8	6,565.4	6,615.5	3.5	3.3	83.27	83.45	83.27	83.28	3.8	3.8	3.8	3.8
1990	6,707.9	6,695.6	6,740.0	1.8	2.0	86.53	86.85	86.51	86.53	3.9	4.1	3.9	3.9
1991	6,676.4	6,681.5	6,703.4	-5	-2	89.66	89.81	89.66	89.67	3.6	3.4	3.6	3.6
1992	6,880.0	6,867.7	6,905.8	3.0	2.8	91.85	92.03	91.84	91.84	2.4	2.5	2.4	2.4
1993	7,062.6	7,043.8	7,087.8	2.7	2.6	94.05	94.14	94.05	94.06	2.4	2.3	2.4	2.4
1994	7,347.7	7,285.8	7,364.3	4.0	3.4	96.01	96.06	96.01	96.02	2.1	2.0	2.1	2.1
1995	7,543.8	7,512.2	7,564.0	2.7	3.1	98.10	98.20	98.10	98.11	2.2	2.2	2.2	2.2
1996	7,813.2	7,783.2	7,831.2	3.6	3.6	100.00	100.00	100.00	100.00	1.9	1.8	1.9	1.9
1997	8,159.5	8,095.2	8,168.1	4.4	4.0	101.95	101.64	101.95	101.93	1.9	1.6	1.9	1.9
1998	8,508.9	8,431.8	8,508.4	4.3	4.2	103.20	102.43	103.20	103.17	1.2	.8	1.2	1.2
1999	8,859.0	8,793.9	8,883.7	4.1	4.3	104.69	103.97	104.69	104.65	1.4	1.5	1.4	1.4
2000	9,191.4	9,121.1	9,216.2	3.8	3.7	106.89	106.58	106.89	106.86	2.1	2.5	2.1	2.1
2001	9,214.5	9,258.4	9,237.3	.3	1.5	109.42	108.65	109.42	109.38	2.4	1.9	2.4	2.4
1959: I	2,273.0	2,275.1	2,286.2	8.6	9.1	21.79	21.33	21.83	21.82	.9	1.2	.1	.1
1959: II	2,332.4	2,314.9	2,345.5	10.9	7.2	21.84	21.37	21.83	21.83	.9	.9	.1	.1
1959: III	2,331.4	2,344.3	2,345.5	-2	5.2	21.90	21.43	21.88	21.88	1.2	1.1	.9	.9
1959: IV	2,339.1	2,335.5	2,354.1	1.3	-1.5	21.99	21.52	21.98	21.98	1.7	1.7	1.8	1.8
1960: I	2,391.0	2,360.4	2,405.4	9.2	4.3	22.04	21.57	22.08	22.07	.9	.8	1.7	1.8
1960: II	2,379.2	2,382.7	2,393.9	-2.0	3.8	22.14	21.66	22.15	22.15	1.7	1.8	1.4	1.3
1960: III	2,383.6	2,380.0	2,398.9	.7	-5	22.23	21.76	22.23	22.23	1.8	1.8	1.5	1.5
1960: IV	2,352.9	2,391.1	2,369.3	-5.0	1.9	22.33	21.86	22.30	22.29	1.8	1.9	1.2	1.1
1961: I	2,366.5	2,392.9	2,383.7	2.3	.3	22.36	21.88	22.35	22.34	.5	.4	1.0	1.0
1961: II	2,410.8	2,418.3	2,427.1	7.7	4.3	22.40	21.91	22.40	22.39	.7	.5	.8	.8
1961: III	2,450.4	2,437.7	2,467.2	6.8	3.2	22.45	21.96	22.46	22.45	.9	.9	1.1	1.1
1961: IV	2,500.4	2,493.2	2,517.5	8.4	9.4	22.51	22.01	22.53	22.53	1.0	.9	1.4	1.4
1962: I	2,544.0	2,522.5	2,561.0	7.2	4.8	22.64	22.13	22.67	22.67	2.4	2.2	2.5	2.5
1962: II	2,571.5	2,564.6	2,590.3	4.4	6.8	22.71	22.20	22.71	22.70	1.1	1.3	.6	.6
1962: III	2,596.8	2,586.2	2,615.7	4.0	3.4	22.77	22.26	22.76	22.75	1.1	1.0	1.0	1.0
1962: IV	2,603.3	2,604.6	2,625.1	1.0	2.9	22.84	22.34	22.83	22.83	1.4	1.4	1.3	1.3
1963: I	2,634.1	2,619.3	2,654.8	4.8	2.3	22.93	22.42	22.91	22.90	1.4	1.6	1.3	1.3
1963: II	2,668.4	2,663.9	2,688.2	5.3	7.0	22.95	22.45	22.94	22.93	.3	.4	.6	.6
1963: III	2,719.6	2,712.0	2,739.8	7.9	7.4	22.98	22.49	22.98	22.97	.6	.8	.6	.6
1963: IV	2,739.4	2,739.6	2,760.3	2.9	4.1	23.12	22.63	23.16	23.15	2.5	2.6	3.2	3.2
1964: I	2,800.5	2,799.3	2,823.2	9.2	9.0	23.20	22.72	23.22	23.22	1.4	1.5	1.2	1.2
1964: II	2,833.8	2,833.5	2,855.7	4.8	5.0	23.27	22.79	23.28	23.27	1.2	1.3	.9	.9
1964: III	2,872.0	2,868.3	2,894.7	5.5	5.0	23.39	22.90	23.37	23.37	2.0	1.8	1.6	1.6
1964: IV	2,879.5	2,875.5	2,900.5	1.0	1.0	23.49	22.99	23.49	23.48	1.8	1.7	2.0	2.0

Table C.1. GDP and Other Major NIPA Aggregates

[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1996) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price indexes		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1965: I.....	2,950.1	2,920.2	2,974.0	10.2	6.4	23.60	23.08	23.61	23.60	1.9	1.6	2.1	2.1
1965: II.....	2,989.9	2,973.2	3,014.6	5.5	7.4	23.71	23.19	23.71	23.71	1.8	1.8	1.8	1.8
1965: III.....	3,050.7	3,029.4	3,073.6	8.4	7.8	23.81	23.30	23.81	23.80	1.8	1.9	1.5	1.5
1965: IV.....	3,123.6	3,111.4	3,144.5	9.9	11.3	23.97	23.46	23.97	23.97	2.6	2.9	2.8	2.8
1966: I.....	3,201.1	3,165.1	3,222.6	10.3	7.1	24.11	23.59	24.13	24.12	2.4	2.1	2.6	2.6
1966: II.....	3,213.2	3,180.0	3,234.8	1.5	1.9	24.33	23.81	24.32	24.32	3.8	3.8	3.3	3.3
1966: III.....	3,233.6	3,205.0	3,254.7	2.6	3.2	24.57	24.03	24.58	24.58	4.0	3.7	4.3	4.3
1966: IV.....	3,261.8	3,214.5	3,283.7	3.5	1.2	24.79	24.22	24.79	24.79	3.5	3.3	3.5	3.5
1967: I.....	3,291.8	3,246.9	3,313.4	3.7	4.1	24.90	24.32	24.89	24.89	1.9	1.6	1.6	1.6
1967: II.....	3,289.7	3,281.5	3,310.7	-3	4.3	25.06	24.47	25.05	25.05	2.5	2.5	2.5	2.5
1967: III.....	3,313.5	3,297.4	3,336.6	2.9	2.0	25.29	24.70	25.31	25.31	3.8	3.8	4.3	4.3
1967: IV.....	3,338.3	3,326.9	3,360.8	3.0	3.6	25.57	24.96	25.59	25.59	4.4	4.3	4.5	4.5
1968: I.....	3,406.2	3,394.2	3,429.2	8.4	8.3	25.86	25.24	25.88	25.87	4.6	4.6	4.5	4.5
1968: II.....	3,464.8	3,428.5	3,488.3	7.1	4.1	26.15	25.51	26.14	26.14	4.5	4.2	4.1	4.1
1968: III.....	3,489.2	3,478.1	3,513.4	2.8	5.9	26.39	25.77	26.39	26.39	3.8	4.1	3.9	3.9
1968: IV.....	3,504.1	3,499.5	3,528.1	1.7	2.5	26.76	26.13	26.76	26.76	5.7	5.7	5.7	5.7
1969: I.....	3,558.3	3,535.0	3,582.2	6.3	4.1	27.02	26.37	27.03	27.03	3.9	3.8	4.1	4.1
1969: II.....	3,567.6	3,551.3	3,590.6	1.0	1.9	27.39	26.73	27.39	27.38	5.5	5.6	5.3	5.3
1969: III.....	3,588.3	3,569.0	3,610.3	2.3	2.0	27.79	27.11	27.79	27.79	6.0	5.8	6.0	6.0
1969: IV.....	3,571.4	3,568.3	3,593.3	-1.9	-1	28.15	27.46	28.15	28.15	5.3	5.3	5.3	5.3
1970: I.....	3,566.5	3,578.9	3,589.1	-6	1.2	28.54	27.85	28.55	28.54	5.6	5.8	5.8	5.8
1970: II.....	3,573.9	3,573.2	3,597.4	.8	-6	28.94	28.24	28.94	28.94	5.8	5.6	5.7	5.7
1970: III.....	3,605.2	3,605.0	3,628.3	3.6	3.6	29.17	28.51	29.18	29.17	3.2	3.9	3.3	3.3
1970: IV.....	3,566.5	3,597.4	3,587.6	-4.2	-8	29.55	28.89	29.56	29.56	5.3	5.5	5.3	5.3
1971: I.....	3,666.1	3,643.1	3,691.3	11.6	5.2	30.00	29.31	30.00	30.00	6.1	6.0	6.1	6.1
1971: II.....	3,686.2	3,667.8	3,712.8	2.2	2.7	30.40	29.71	30.40	30.40	5.5	5.5	5.4	5.4
1971: III.....	3,714.5	3,698.9	3,738.4	3.1	3.4	30.71	30.04	30.71	30.71	4.1	4.6	4.2	4.2
1971: IV.....	3,723.8	3,742.5	3,749.2	1.0	4.8	30.96	30.30	30.96	30.96	3.3	3.5	3.3	3.3
1972: I.....	3,796.9	3,802.2	3,823.4	8.1	6.5	31.42	30.76	31.41	31.41	6.1	6.1	5.8	5.8
1972: II.....	3,883.8	3,862.7	3,910.0	9.5	6.5	31.61	30.98	31.61	31.61	2.5	2.9	2.6	2.6
1972: III.....	3,922.3	3,897.2	3,950.7	4.0	3.6	31.92	31.30	31.92	31.92	4.0	4.2	4.0	4.0
1972: IV.....	3,990.5	3,988.5	4,018.7	7.1	9.7	32.30	31.67	32.32	32.32	4.8	4.8	5.1	5.1
1973: I.....	4,092.3	4,075.5	4,125.0	10.6	9.0	32.73	32.09	32.71	32.71	5.4	5.4	4.9	4.9
1973: II.....	4,133.3	4,094.4	4,168.3	4.1	1.9	33.27	32.69	33.25	33.25	6.8	7.7	6.9	6.9
1973: III.....	4,117.0	4,100.7	4,158.0	-1.6	.6	33.90	33.29	33.86	33.86	7.9	7.6	7.5	7.5
1973: IV.....	4,151.1	4,106.3	4,192.5	3.4	.5	34.48	33.91	34.58	34.58	7.0	7.6	8.7	8.7
1974: I.....	4,119.3	4,101.8	4,168.1	-3.0	-4	35.18	34.80	35.20	35.20	8.4	10.9	7.4	7.4
1974: II.....	4,130.4	4,105.6	4,176.5	1.1	.4	35.97	35.79	36.02	36.02	9.2	11.9	9.6	9.6
1974: III.....	4,084.5	4,089.8	4,126.5	-4.4	-1.5	37.07	36.87	37.09	37.08	12.8	12.7	12.4	12.4
1974: IV.....	4,062.0	4,025.8	4,098.0	-2.2	-6.1	38.20	37.93	38.20	38.19	12.7	12.0	12.5	12.5
1975: I.....	4,010.0	4,054.7	4,040.1	-5.0	2.9	39.08	38.76	39.08	39.08	9.6	9.0	9.6	9.6
1975: II.....	4,045.2	4,099.2	4,075.6	3.6	4.5	39.63	39.33	39.63	39.63	5.8	6.0	5.7	5.7
1975: III.....	4,115.4	4,135.9	4,148.4	7.1	3.6	40.35	39.99	40.33	40.33	7.5	7.0	7.3	7.3
1975: IV.....	4,167.2	4,184.3	4,206.7	5.1	4.8	41.05	40.67	41.05	41.05	7.1	6.9	7.3	7.3
1976: I.....	4,266.1	4,248.8	4,304.2	9.8	6.3	41.49	41.11	41.50	41.50	4.3	4.4	4.5	4.5
1976: II.....	4,301.5	4,264.1	4,341.2	3.4	1.4	41.93	41.56	41.92	41.92	4.3	4.5	4.1	4.1
1976: III.....	4,321.9	4,289.7	4,362.0	1.9	2.4	42.51	42.18	42.50	42.51	5.6	6.1	5.7	5.7
1976: IV.....	4,357.4	4,352.4	4,398.4	3.3	6.0	43.25	42.88	43.27	43.28	7.1	6.8	7.4	7.4
1977: I.....	4,410.5	4,393.8	4,457.6	5.0	3.9	43.97	43.68	43.97	43.97	6.9	7.7	6.6	6.6
1977: II.....	4,489.8	4,464.0	4,535.9	7.4	6.5	44.69	44.45	44.69	44.71	6.7	7.2	6.8	6.8
1977: III.....	4,570.6	4,509.7	4,616.4	7.4	4.2	45.32	45.14	45.23	45.25	5.8	6.4	4.9	4.9
1977: IV.....	4,576.1	4,547.5	4,616.6	.5	3.4	46.08	45.92	46.16	46.17	6.9	7.0	8.5	8.4
1978: I.....	4,588.9	4,552.0	4,636.0	1.1	.4	46.86	46.67	46.86	46.87	6.9	6.8	6.2	6.2
1978: II.....	4,765.7	4,730.8	4,804.8	16.3	16.7	47.79	47.60	47.77	47.78	8.2	8.2	8.0	8.0
1978: III.....	4,811.7	4,774.7	4,854.6	3.9	3.8	48.64	48.45	48.60	48.61	7.3	7.3	7.1	7.1
1978: IV.....	4,876.0	4,834.2	4,925.8	5.5	5.1	49.62	49.37	49.59	49.60	8.3	7.8	8.4	8.4
1979: I.....	4,888.3	4,855.1	4,939.6	1.0	1.7	50.58	50.38	50.55	50.56	8.0	8.4	7.9	7.9
1979: II.....	4,891.4	4,852.9	4,949.3	.3	-2	51.73	51.58	51.71	51.72	9.4	9.9	9.5	9.5
1979: III.....	4,926.2	4,921.9	4,995.6	2.9	5.8	52.79	52.89	52.81	52.82	8.5	10.5	8.8	8.8
1979: IV.....	4,942.6	4,947.7	5,011.4	1.3	2.1	53.86	54.20	53.90	53.90	8.3	10.3	8.5	8.5
1980: I.....	4,958.9	4,961.4	5,028.8	1.3	1.1	55.08	55.73	55.11	55.12	9.4	11.8	9.3	9.3
1980: II.....	4,857.8	4,861.6	4,922.5	-7.9	-7.8	56.35	57.14	56.34	56.35	9.5	10.5	9.2	9.2
1980: III.....	4,850.3	4,923.9	4,911.3	-6	5.2	57.62	58.43	57.60	57.61	9.4	9.3	9.2	9.2
1980: IV.....	4,936.6	4,965.2	4,986.3	7.3	3.4	59.16	59.89	59.13	59.14	11.1	10.4	11.0	11.1
1981: I.....	5,032.5	4,985.6	5,086.4	8.0	1.7	60.67	61.42	60.66	60.67	10.6	10.7	10.8	10.8
1981: II.....	4,997.3	4,995.9	5,048.1	-2.8	.8	61.75	62.53	61.76	61.77	7.3	7.4	7.5	7.5
1981: III.....	5,056.8	5,003.5	5,110.5	4.9	.6	62.95	63.56	62.95	62.97	8.0	6.7	8.0	8.0
1981: IV.....	4,997.1	4,972.9	5,056.8	-4.6	-2.4	64.10	64.70	64.10	64.11	7.5	7.4	7.5	7.5
1982: I.....	4,914.3	4,959.7	4,969.4	-6.5	-1.1	65.00	65.56	64.99	65.00	5.8	5.4	5.7	5.7
1982: II.....	4,935.5	4,954.2	4,996.9	1.7	-4	65.84	66.29	65.83	65.84	5.3	4.6	5.3	5.2
1982: III.....	4,912.1	4,916.8	4,963.4	-1.9	-3.0	66.75	67.16	66.75	66.76	5.6	5.4	5.7	5.7
1982: IV.....	4,915.6	4,989.1	4,964.8	.3	6.0	67.44	67.83	67.45	67.46	4.2	4.0	4.3	4.3
1983: I.....	4,972.4	5,036.1	5,021.5	4.7	3.8	67.98	68.22	67.95	67.96	3.3	2.3	3.0	3.0
1983: II.....	5,089.8	5,113.1	5,142.2	9.8	6.3	68.59	68.80	68.56	68.57	3.6	3.5	3.7	3.7
1983: III.....	5,180.4	5,200.3	5,233.9	7.3	7.0	69.17	69.35	69.16	69.18	3.4	3.2	3.6	3.6
1983: IV.....	5,286.8	5,268.5	5,342.0	8.5	5.4	69.75	69.83	69.77	69.79	3.4	2.8	3.6	3.6

Table C.1. GDP and Other Major NIPA Aggregates

[Quarterly estimates are seasonally adjusted at annual rates]

Year and quarter	Billions of chained (1996) dollars			Percent change from preceding period		Chain-type price indexes		Implicit price deflators		Percent change from preceding period			
	Gross domestic product	Final sales of domestic product	Gross national product	Gross domestic product	Final sales of domestic product	Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price indexes		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1984: I.....	5,402.3	5,313.9	5,452.6	9.0	3.5	70.59	70.67	70.59	70.60	4.9	4.9	4.8	4.7
1984: II.....	5,493.8	5,410.8	5,544.3	7.0	7.5	71.18	71.25	71.16	71.17	3.4	3.3	3.3	3.3
1984: III.....	5,541.3	5,456.0	5,591.1	3.5	3.4	71.74	71.72	71.73	71.74	3.2	2.7	3.2	3.2
1984: IV.....	5,583.1	5,531.0	5,627.1	3.1	5.6	72.24	72.18	72.24	72.25	2.8	2.5	2.9	2.9
1985: I.....	5,629.7	5,619.8	5,664.3	3.4	6.6	73.01	72.80	73.00	73.01	4.3	3.5	4.3	4.2
1985: II.....	5,673.8	5,657.0	5,710.9	3.2	2.7	73.49	73.32	73.50	73.50	2.7	2.8	2.7	2.8
1985: III.....	5,758.6	5,746.0	5,788.6	6.1	6.4	73.88	73.73	73.85	73.86	2.1	2.3	2.0	1.9
1985: IV.....	5,806.0	5,772.5	5,839.6	3.3	1.9	74.40	74.38	74.39	74.40	2.9	3.6	3.0	3.0
1986: I.....	5,858.9	5,828.7	5,887.3	3.7	3.9	74.69	74.71	74.68	74.69	1.5	1.8	1.5	1.5
1986: II.....	5,883.3	5,872.6	5,901.9	1.7	3.1	75.04	74.85	75.05	75.05	1.9	.7	2.0	2.0
1986: III.....	5,937.9	5,956.0	5,959.0	3.8	5.8	75.51	75.37	75.51	75.51	2.5	2.9	2.5	2.5
1986: IV.....	5,969.5	5,993.1	5,981.7	2.1	2.5	76.05	75.94	76.01	76.02	2.9	3.0	2.7	2.7
1987: I.....	6,013.3	5,985.4	6,027.6	3.0	-5	76.73	76.76	76.70	76.71	3.6	4.4	3.7	3.7
1987: II.....	6,077.2	6,066.8	6,095.8	4.3	5.6	77.27	77.40	77.27	77.27	2.9	3.4	3.0	3.0
1987: III.....	6,128.1	6,138.7	6,145.8	3.4	4.8	77.83	78.01	77.84	77.84	2.9	3.2	3.0	3.0
1987: IV.....	6,234.4	6,164.1	6,254.1	7.1	1.7	78.46	78.64	78.46	78.46	3.3	3.3	3.2	3.2
1988: I.....	6,275.9	6,263.0	6,302.0	2.7	6.6	78.99	79.21	78.98	78.99	2.7	2.9	2.7	2.7
1988: II.....	6,349.8	6,334.0	6,372.8	4.8	4.6	79.79	80.01	79.79	79.79	4.1	4.1	4.1	4.1
1988: III.....	6,382.3	6,365.9	6,402.0	2.1	2.0	80.73	80.75	80.71	80.72	4.8	3.8	4.7	4.7
1988: IV.....	6,465.2	6,447.5	6,487.4	5.3	5.2	81.36	81.46	81.33	81.34	3.2	3.6	3.1	3.1
1989: I.....	6,543.8	6,492.7	6,565.6	5.0	2.8	82.20	82.36	82.20	82.20	4.2	4.5	4.3	4.3
1989: II.....	6,579.4	6,542.8	6,599.7	2.2	3.1	83.02	83.26	83.01	83.02	4.0	4.4	4.0	4.0
1989: III.....	6,610.6	6,605.8	6,633.4	1.9	3.9	83.62	83.74	83.62	83.63	2.9	2.4	2.9	3.0
1989: IV.....	6,633.5	6,620.4	6,663.4	1.4	.9	84.24	84.43	84.24	84.25	3.0	3.3	3.0	3.0
1990: I.....	6,716.3	6,705.8	6,743.6	5.1	5.3	85.19	85.48	85.18	85.20	4.6	5.1	4.5	4.6
1990: II.....	6,731.7	6,697.6	6,760.8	.9	-5	86.17	86.27	86.16	86.17	4.7	3.7	4.7	4.6
1990: III.....	6,719.4	6,699.2	6,742.6	-7	.1	87.00	87.26	86.99	87.00	3.9	4.7	3.9	3.9
1990: IV.....	6,664.2	6,680.0	6,713.3	-3.2	-1.1	87.76	88.41	87.74	87.76	3.5	5.3	3.5	3.5
1991: I.....	6,631.4	6,652.5	6,667.4	-2.0	-1.6	88.78	89.09	88.76	88.78	4.7	3.1	4.8	4.7
1991: II.....	6,668.5	6,692.5	6,692.1	2.3	2.4	89.41	89.51	89.40	89.41	2.9	1.9	2.9	2.9
1991: III.....	6,684.9	6,689.2	6,704.7	1.0	-2	89.99	90.04	89.99	90.00	2.6	2.4	2.7	2.6
1991: IV.....	6,720.9	6,692.0	6,749.4	2.2	.2	90.47	90.60	90.47	90.48	2.2	2.5	2.2	2.2
1992: I.....	6,783.3	6,788.9	6,811.1	3.8	5.9	91.16	91.25	91.16	91.15	3.1	2.9	3.1	3.0
1992: II.....	6,846.8	6,827.1	6,873.8	3.8	2.3	91.68	91.81	91.67	91.67	2.3	2.5	2.3	2.3
1992: III.....	6,899.7	6,882.7	6,923.3	3.1	3.3	91.98	92.26	91.97	91.97	1.3	2.0	1.3	1.3
1992: IV.....	6,990.6	6,972.4	7,015.1	5.4	5.3	92.56	92.81	92.55	92.55	2.5	2.4	2.5	2.5
1993: I.....	6,988.7	6,953.6	7,020.9	-1	-1.1	93.33	93.42	93.32	93.32	3.4	2.7	3.4	3.4
1993: II.....	7,031.2	7,008.8	7,056.0	2.5	3.2	93.83	93.98	93.82	93.83	2.2	2.4	2.2	2.2
1993: III.....	7,062.0	7,057.9	7,092.4	1.8	2.8	94.26	94.32	94.24	94.26	1.8	1.5	1.8	1.8
1993: IV.....	7,168.7	7,154.8	7,182.1	6.2	5.6	94.79	94.83	94.79	94.81	2.3	2.2	2.4	2.4
1994: I.....	7,229.4	7,187.1	7,249.8	3.4	1.8	95.28	95.22	95.28	95.29	2.1	1.7	2.0	2.1
1994: II.....	7,330.2	7,250.2	7,346.3	5.7	3.6	95.72	95.74	95.71	95.73	1.8	2.2	1.8	1.8
1994: III.....	7,370.2	7,318.5	7,385.1	2.2	3.8	96.29	96.43	96.28	96.29	2.4	2.9	2.4	2.4
1994: IV.....	7,461.1	7,387.2	7,476.0	5.0	3.8	96.74	96.86	96.74	96.74	1.9	1.8	1.9	1.9
1995: I.....	7,488.7	7,427.3	7,510.2	1.5	2.2	97.45	97.51	97.45	97.45	3.0	2.7	3.0	3.0
1995: II.....	7,503.3	7,469.6	7,528.6	.8	2.3	97.86	98.04	97.86	97.87	1.7	2.2	1.7	1.7
1995: III.....	7,561.4	7,549.7	7,572.3	3.1	4.4	98.31	98.42	98.30	98.31	1.8	1.6	1.8	1.8
1995: IV.....	7,621.9	7,602.5	7,645.2	3.2	2.8	98.79	98.85	98.78	98.79	2.0	1.8	2.0	2.0
1996: I.....	7,676.4	7,669.6	7,703.1	2.9	3.6	99.40	99.42	99.39	99.39	2.5	2.3	2.5	2.5
1996: II.....	7,802.9	7,773.4	7,820.4	6.8	5.5	99.74	99.74	99.74	99.74	1.4	1.3	1.4	1.4
1996: III.....	7,841.9	7,792.1	7,853.5	2.0	1.0	100.23	100.16	100.22	100.22	2.0	1.7	1.9	1.9
1996: IV.....	7,931.3	7,897.6	7,947.9	4.6	5.5	100.63	100.68	100.63	100.63	1.6	2.1	1.7	1.6
1997: I.....	8,016.4	7,966.4	8,025.1	4.4	3.5	101.36	101.28	101.34	101.33	2.9	2.4	2.9	2.8
1997: II.....	8,131.9	8,043.2	8,145.6	5.9	3.9	101.82	101.49	101.82	101.80	1.9	.8	1.9	1.8
1997: III.....	8,216.6	8,164.9	8,225.1	4.2	6.2	102.12	101.74	102.12	102.10	1.2	1.0	1.2	1.2
1997: IV.....	8,272.9	8,206.3	8,276.9	2.8	2.0	102.49	102.07	102.49	102.46	1.4	1.3	1.4	1.4
1998: I.....	8,396.3	8,286.6	8,405.4	6.1	4.0	102.76	102.09	102.76	102.73	1.1	.1	1.1	1.1
1998: II.....	8,442.9	8,397.2	8,448.7	2.2	5.4	103.02	102.26	103.01	102.98	1.0	.7	1.0	1.0
1998: III.....	8,528.5	8,454.9	8,517.6	4.1	2.8	103.38	102.54	103.38	103.34	1.4	1.1	1.4	1.4
1998: IV.....	8,667.9	8,588.5	8,662.0	6.7	6.5	103.66	102.84	103.65	103.62	1.1	1.2	1.1	1.1
1999: I.....	8,733.2	8,654.3	8,755.5	3.0	3.1	104.12	103.19	104.12	104.08	1.8	1.4	1.8	1.8
1999: II.....	8,775.5	8,741.0	8,801.8	2.0	4.1	104.52	103.72	104.51	104.48	1.5	2.1	1.5	1.5
1999: III.....	8,886.9	8,833.6	8,906.4	5.2	4.3	104.84	104.21	104.83	104.80	1.2	1.9	1.2	1.2
1999: IV.....	9,040.1	8,946.6	9,071.1	7.1	5.2	105.28	104.77	105.27	105.24	1.7	2.2	1.7	1.7
2000: I.....	9,097.4	9,042.9	9,119.7	2.6	4.4	106.08	105.72	106.07	106.04	3.1	3.1	3.1	3.1
2000: II.....	9,205.7	9,111.1	9,233.0	4.8	3.1	106.69	106.30	106.68	106.64	2.3	2.2	2.3	2.3
2000: III.....	9,218.7	9,150.4	9,238.2	.6	1.7	107.13	106.87	107.12	107.08	1.6	2.2	1.6	1.7
2000: IV.....	9,243.8	9,179.8	9,274.0	1.1	1.3	107.68	107.43	107.68	107.64	2.1	2.1	2.1	2.1
2001: I.....	9,229.9	9,243.8	9,241.7	-6	2.8	108.66	108.30	108.65	108.62	3.7	3.3	3.7	3.7
2001: II.....	9,193.1	9,234.3	9,224.3	-1.6	-4	109.32	108.76	109.32	109.29	2.5	1.7	2.5	2.5
2001: III.....	9,186.4	9,230.5	9,199.8	-3	-2	109.92	108.72	109.92	109.89	2.2	-2	2.2	2.2
2001: IV.....	9,248.8	9,324.9	9,283.5	2.7	4.2	109.78	108.84	109.78	109.74	-5	.4	-5	-5
2002: I.....	9,363.2	9,379.4	9,367.5	5.0	2.4	110.14	109.15	110.14	110.11	1.3	1.2	1.3	1.4
2002: II.....	9,392.4	9,377.9	9,376.7	1.3	-1	110.48	109.77	110.48	110.45	1.2	2.3	1.2	1.2
2002: III.....	9,484.0	9,458.8	9,474.6	4.0	3.5	110.75	110.10	110.75	110.73	1.0	1.2	1.0	1.0

D. Domestic Perspectives

This table presents data collected from other government agencies and private organizations, as noted.
Quarterly data are shown in the middle month of the quarter.

Table D.1. Domestic Perspectives

	2000	2001	2001				2002									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Consumer and producer prices, (monthly data seasonally adjusted) ¹																
Consumer price index for all urban consumers, 1982-84=100:																
All items.....	172.2	177.1	178.1	177.6	177.5	177.3	177.6	178.0	178.6	179.5	179.5	179.7	179.9	180.5	180.8	181.3
Less food and energy.....	181.3	186.1	187.1	187.4	188.1	188.3	188.6	189.1	189.3	189.8	190.1	190.2	190.5	191.1	191.3	191.6
Services.....	195.3	203.4	204.6	204.8	205.6	206.1	206.8	207.4	207.7	208.4	209.2	209.5	210.0	210.8	211.2	211.8
Producer price index, 1982=100:																
Finished goods.....	138.0	140.7	141.1	139.2	138.3	137.8	137.8	138.1	139.3	139.1	138.5	138.8	138.5	138.5	138.6	140.1
Less food and energy.....	148.0	150.0	150.6	150.0	150.1	150.4	150.1	150.3	150.2	150.3	150.3	150.6	150.1	149.9	150.0	150.7
Finished consumer goods.....	138.2	141.5	141.8	139.6	138.4	137.7	137.8	138.2	139.9	139.6	138.8	139.2	139.0	139.0	139.1	141.0
Capital equipment.....	138.8	139.7	140.1	139.5	139.4	139.6	139.5	139.6	139.5	139.2	139.1	139.4	138.9	138.7	138.7	139.2
Intermediate materials.....	129.2	129.7	129.3	127.6	126.7	125.9	125.6	125.3	126.5	126.5	127.5	127.2	127.6	127.8	128.3	129.8
Crude materials.....	120.6	121.3	107.6	98.1	102.9	95.5	99.9	98.7	103.6	108.0	108.9	105.6	106.2	107.9	108.6	112.3
Money, interest rates, and stock prices																
Money stock (monthly and quarterly data seasonally adjusted): ²																
Percent change:																
M1.....			4.59	-3.26	0.26	1.33	0.27	0.16	0.24	-0.93	0.55	0.60	0.66	-1.13	0.71	0.72
M2.....			2.10	-0.12	0.86	0.82	0.18	0.57	-0.11	-0.30	1.20	0.64	1.09	0.81	0.44	0.87
Ratio:																
Gross domestic product to M1.....	8.898	8.867			8.692			8.702			8.768			8.822		
Personal income to M2.....	1.752	1.665	1.620	1.618	1.604	1.599	1.603	1.602	1.609	1.620	1.607	1.608	1.591	1.583	1.583	1.571
Interest rates (percent, not seasonally adjusted): ²																
Federal funds rate.....	6.24	3.88	3.07	2.49	2.09	1.82	1.73	1.74	1.73	1.75	1.75	1.75	1.73	1.74	1.75	1.75
Discount rate on 91-day Treasury bills.....	9.23	6.91	6.28	5.53	5.10	4.84	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75
Yield on high-grade corporate bonds.....	5.82	3.40	2.64	2.16	1.87	1.69	1.65	1.73	1.79	1.72	1.73	1.70	1.68	1.62	1.63	1.58
10-Year U.S. Treasury bonds.....	6.03	5.02	4.73	4.57	4.65	5.09	5.04	4.91	5.28	5.21	5.16	4.93	4.65	4.26	3.87	3.94
Yield on municipal bonds, 20-bond average.....	7.57	6.94	6.83	6.72	6.51	6.80	6.75	6.65	6.79	6.81	6.77	6.57	6.46	6.20	5.98	6.11
Mortgage commitment rate.....	5.71	5.15	5.09	5.05	5.04	5.25	5.16	5.11	5.29	5.22	5.19	5.09	5.02	4.95	4.74	4.88
Average prime rate charged by banks.....	8.06	6.97	6.82	6.62	6.66	7.07	7.00	6.89	7.01	6.99	6.81	6.65	6.49	6.29	6.09	6.11
Index of stock prices (not seasonally adjusted): ³																
500 common stocks, 1941-43=10.....	1,427.22	1,194.18	1,044.64	1,076.59	1,129.68	1,144.93	1,140.21	1,100.67	1,153.79	1,112.03	1,079.27	1,014.05	903.59	912.55	867.81	854.63
Labor markets (thousands, monthly and quarterly data seasonally adjusted, unless otherwise noted) ¹																
Civilian labor force.....	140,863	141,815	142,068	142,280	142,279	142,314	141,390	142,211	142,005	142,570	142,769	142,476	142,390	142,616	143,277	143,123
Labor force participation rates (percent):																
Males 20 and over.....	76.6	76.4	76.5	76.5	76.5	76.5	75.9	76.1	76.0	76.4	76.7	76.4	76.2	76.2	76.4	76.1
Females 20 and over.....	60.9	60.9	60.8	60.8	60.8	61.0	60.5	61.1	60.7	61.0	60.8	60.6	60.7	60.8	60.9	61.0
16-19 years of age.....	52.2	50.0	49.7	49.8	49.4	48.2	47.8	47.8	48.9	47.7	47.7	47.6	47.1	47.1	48.6	47.7
Civilian employment.....	135,208	135,073	135,004	134,615	134,253	134,055	133,468	134,319	133,894	133,976	134,417	134,053	134,045	134,474	135,185	134,914
Ratio, civilian employment to working-age population (percent).....	64.5	63.8	63.6	63.3	63.1	63.0	62.6	63.0	62.8	62.8	62.9	62.7	62.6	62.8	63.0	62.9
Persons engaged in nonagricultural activities.....	131,903	131,929	131,823	131,412	131,099	130,809	130,195	131,073	130,768	130,823	131,320	130,942	130,763	131,286	131,887	131,389
Employees on nonagricultural payrolls.....	131,720	131,922	131,819	131,414	131,087	130,890	130,871	130,706	130,701	130,680	130,702	130,736	130,790	130,913	130,900	130,895
Goods-producing industries.....	25,669	24,944	24,675	24,511	24,353	24,261	24,130	24,041	23,975	23,905	23,870	23,861	23,812	23,801	23,770	23,695
Services-producing industries.....	106,051	106,978	107,144	106,903	106,734	106,629	106,741	106,665	106,726	106,775	106,832	106,875	106,978	107,112	107,130	107,200
Average weekly hours, manufacturing (hours).....	41.6	40.7	40.6	40.5	40.4	40.6	40.6	40.7	41.0	40.9	40.9	41.1	40.7	40.9	40.9	40.7
Average weekly overtime hours, manufacturing (hours).....	4.6	3.9	3.9	3.8	3.8	3.8	3.9	3.9	4.1	4.2	4.2	4.3	4.0	4.2	4.1	4.1
Number of persons unemployed.....	5,655	6,742	7,064	7,665	8,026	8,259	7,922	7,891	8,111	8,594	8,351	8,424	8,345	8,142	8,092	8,209
Unemployment rates (percent):																
Total.....	4.0	4.8	5.0	5.4	5.6	5.8	5.6	5.5	5.7	6.0	5.8	5.9	5.9	5.7	5.6	5.7
15 weeks and over.....	0.9	1.2	1.3	1.4	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.0	2.0	2.0	2.1
Average duration of unemployment (weeks).....	12.6	13.2	13.3	13.0	14.4	14.5	14.6	15.0	15.4	16.6	17.1	17.3	16.4	16.2	17.8	17.5
Nonfarm business sector, 1992=100:																
Output per hour of all persons.....	116.2	117.5			119.3			121.8			122.3			123.5		
Unit labor costs.....	114.4	116.3			115.0			113.4			114.0			114.3		
Hourly compensation.....	133.0	136.6			137.2			138.2			139.5			141.1		

See footnotes at the end of the table.

Table D.1. Domestic Perspectives—Continued

	2000	2001	2001				2002									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Construction (monthly data seasonally adjusted at annual rates) ⁴																
Total new private construction put in place (billions of dollars).....	641.8	650.0	648.5	643.4	639.7	640.8	651.5	659.4	655.3	656.7	642.2	634.6	635.7	627.9	628.6	.....
Residential.....	374.5	388.7	393.5	392.3	394.7	395.2	403.3	413.5	413.8	411.8	413.5	410.8	414.0	410.7	413.7	.....
Nonresidential.....	208.2	201.1	192.3	190.0	185.4	184.4	185.6	183.2	178.5	179.6	170.5	166.7	163.7	158.9	156.2	.....
Housing starts (thousands of units):																
Total.....	1,569	1,603	1,582	1,531	1,604	1,583	1,713	1,788	1,675	1,566	1,742	1,692	1,652	1,627	1,843	.....
1-unit structures.....	1,231	1,273	1,263	1,238	1,241	1,294	1,344	1,472	1,298	1,261	1,380	1,344	1,319	1,250	1,477	.....
New 1-family houses sold (thousands of units).....	877	908	856	865	938	979	870	937	915	932	974	947	952	1,017	1,021	.....
Manufacturing and trade, inventories and sales (millions of dollars, monthly data seasonally adjusted) ⁴																
Inventories:																
Total manufacturing and trade.....	1,183,102	1,108,320	1,158,937	1,141,500	1,129,548	1,122,990	1,122,911	1,120,288	1,116,303	1,113,864	1,116,527	1,119,454	1,124,317	1,125,024	1,130,907	.....
Manufacturing.....	466,269	429,097	452,041	449,047	443,805	439,162	436,648	434,087	431,434	430,153	428,592	428,230	427,996	428,574	428,760	.....
Merchant wholesalers.....	305,560	289,050	295,863	292,811	289,487	288,014	286,994	284,508	283,732	281,193	281,080	282,340	284,083	284,348	285,716	.....
Retail trade.....	411,273	390,173	411,033	399,642	396,256	395,814	399,269	401,693	401,137	402,518	406,855	408,884	412,238	412,102	416,431	.....
Sales:																
Total manufacturing and trade.....	9,935,413	9,781,327	797,312	815,570	806,128	803,854	811,196	804,624	808,644	822,615	820,227	822,795	833,564	834,562	830,324	.....
Manufacturing.....	4,124,514	3,897,730	313,222	318,134	315,079	316,191	321,171	311,476	315,593	322,962	323,736	320,810	326,101	323,729	323,410	.....
Merchant wholesalers.....	2,751,761	2,715,755	225,481	221,161	222,704	220,380	223,023	224,738	224,855	228,131	228,052	229,638	231,353	233,314	233,435	.....
Retail trade.....	3,059,138	3,167,842	258,609	276,275	268,345	267,283	267,002	268,410	268,196	271,522	268,439	272,347	276,110	277,519	273,479	.....
Industrial production indexes and capacity utilization rates (monthly data seasonally adjusted) ²																
Industrial production indexes, 1992=100:																
Total.....	145.7	140.1	138.5	137.7	137.2	136.7	137.6	138.1	138.6	138.8	139.4	140.3	141.0	140.7	140.4	139.3
By industry:																
Durable manufactures.....	190.0	179.3	176.1	173.9	174.3	174.1	175.7	176.0	176.6	177.2	178.4	179.7	180.3	181.3	180.2	178.1
Nondurable manufactures.....	114.8	111.4	110.5	110.8	110.2	109.7	110.3	110.5	110.9	110.5	111.0	111.4	111.9	111.1	110.9	110.7
By market category:																
Consumer goods.....	121.9	120.7	119.9	119.6	120.0	120.6	120.6	121.2	121.7	121.4	121.4	122.3	123.1	121.8	121.6	120.7
Capacity utilization rates (percent):																
Total industry.....	81.8	76.8	75.5	75.0	74.7	74.4	74.8	75.0	75.2	75.3	75.6	76.0	76.3	76.1	75.8	75.2
Manufacturing.....	80.7	75.1	73.7	73.3	73.2	72.9	73.4	73.5	73.7	73.6	74.0	74.3	74.6	74.5	74.1	73.5
Credit market borrowing (billions of dollars, quarterly data seasonally adjusted at annual rates) ²																
All sectors, by instrument:																
Total.....	1,741.3	2,020.7	.....	.....	2,214.7	.....	.....	1,887.5	.....	.....	2,461.3	.....	.....	.....	.....	.....
Open market paper.....	207.6	-164.4	.....	.....	37.8	.....	.....	-269.2	.....	.....	-167.3	.....	.....	.....	.....	.....
U.S. government securities.....	137.6	623.8	.....	.....	635.2	.....	.....	731.8	.....	.....	948.4	.....	.....	.....	.....	.....
Municipal securities.....	35.3	117.6	.....	.....	190.1	.....	.....	70.3	.....	.....	186.4	.....	.....	.....	.....	.....
Corporate and foreign bonds.....	400.8	653.4	.....	.....	731.5	.....	.....	589.6	.....	.....	638.7	.....	.....	.....	.....	.....
Bank loans, n.e.c.....	112.8	-75.8	.....	.....	-162.4	.....	.....	-4.6	.....	.....	-129.3	.....	.....	.....	.....	.....
Other loans and advances.....	142.7	50.3	.....	.....	-98.7	.....	.....	-15.8	.....	.....	65.6	.....	.....	.....	.....	.....
Mortgages.....	565.6	705.6	.....	.....	731.2	.....	.....	704.0	.....	.....	817.0	.....	.....	.....	.....	.....
Consumer credit.....	139.0	110.2	.....	.....	149.9	.....	.....	81.4	.....	.....	101.9	.....	.....	.....	.....	.....

Sources:

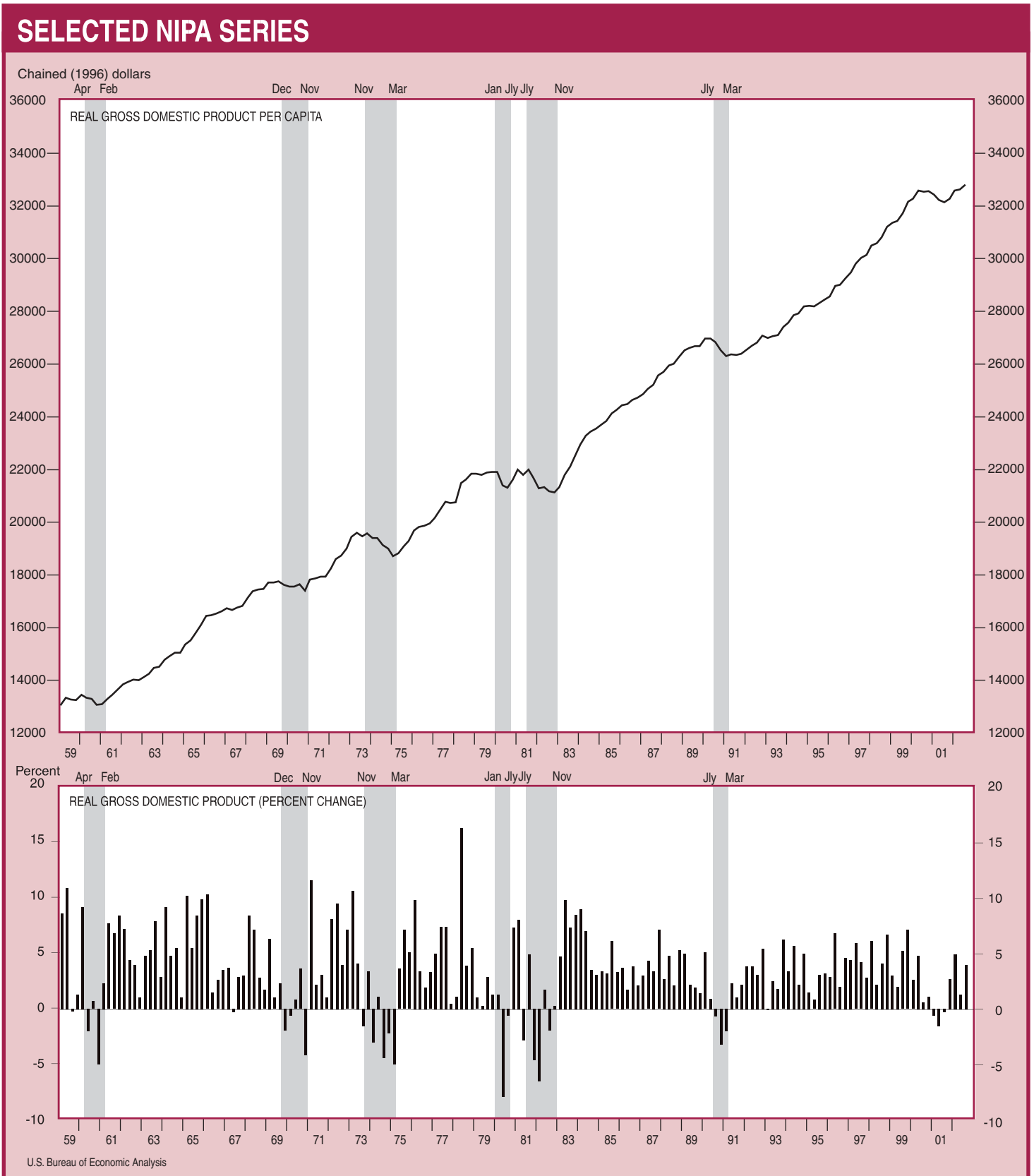
1. Bureau of Labor Statistics
2. Federal Reserve Board

3. Standard and Poor's, Inc.

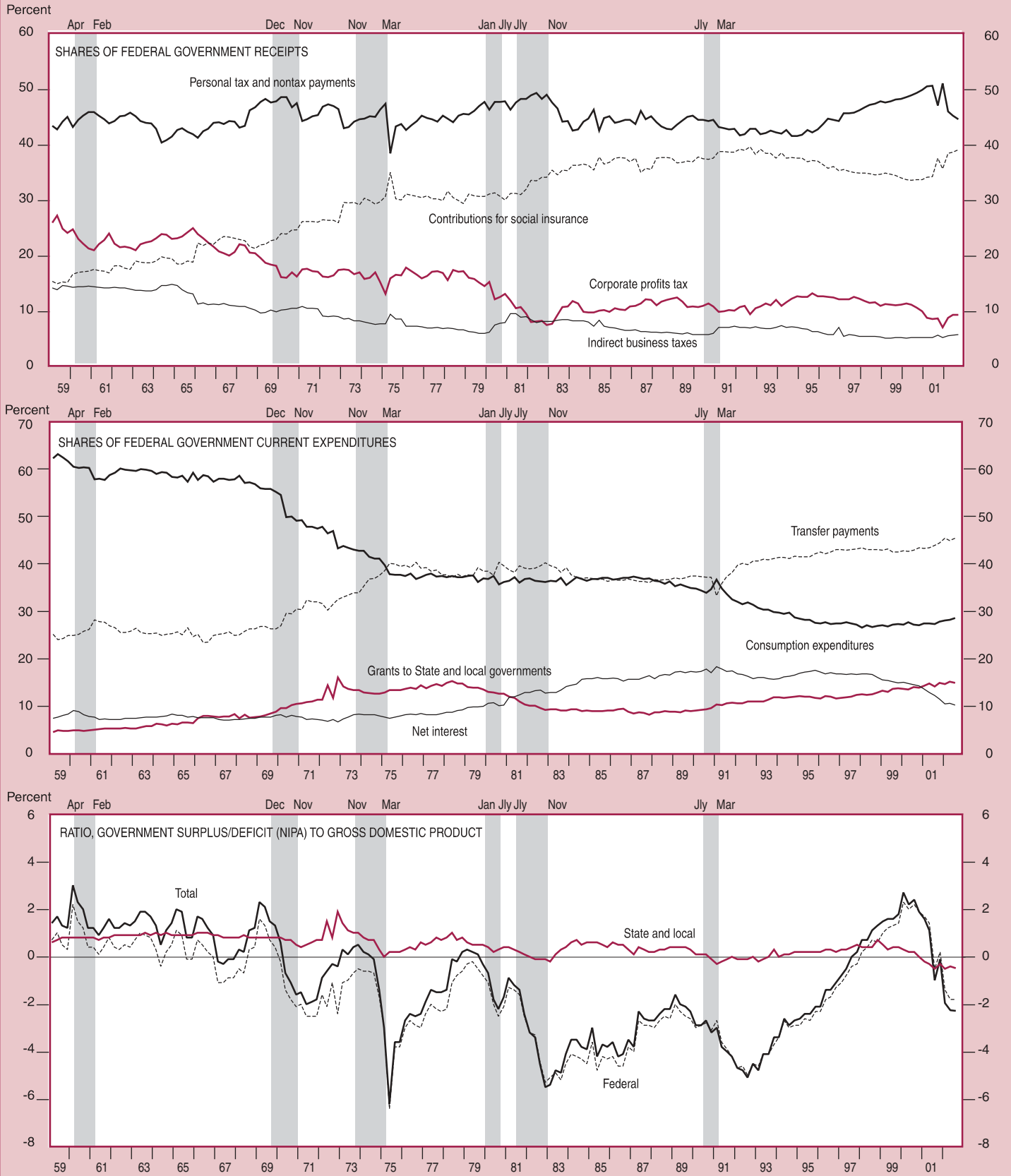
4. Bureau of the Census
n.e.c. Not elsewhere classified

E. Charts

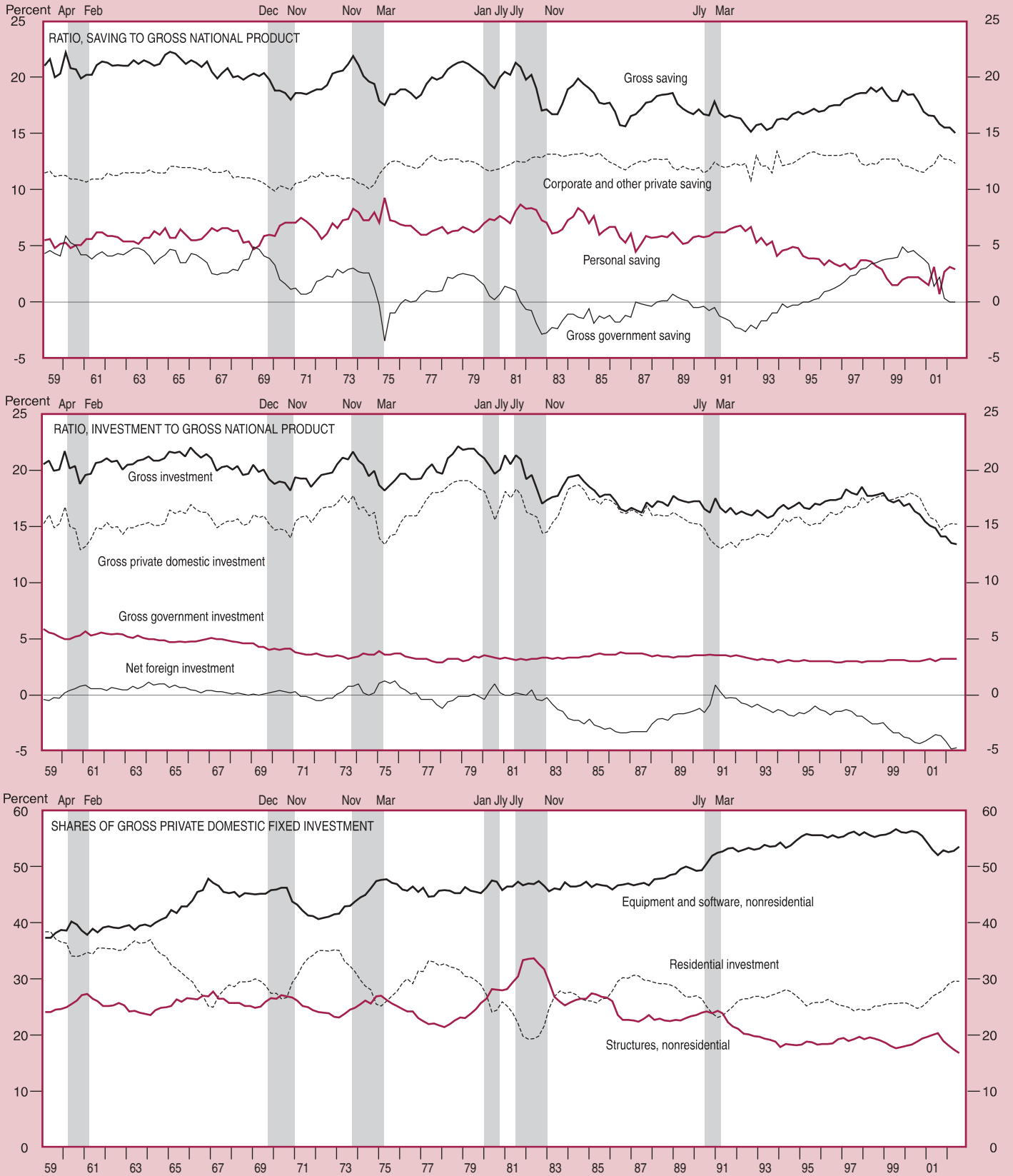
Percent changes shown in this section are based on quarter-to-quarter changes and are expressed at seasonally adjusted annual rates; likewise, levels of series are expressed at seasonally adjusted annual rates as appropriate.



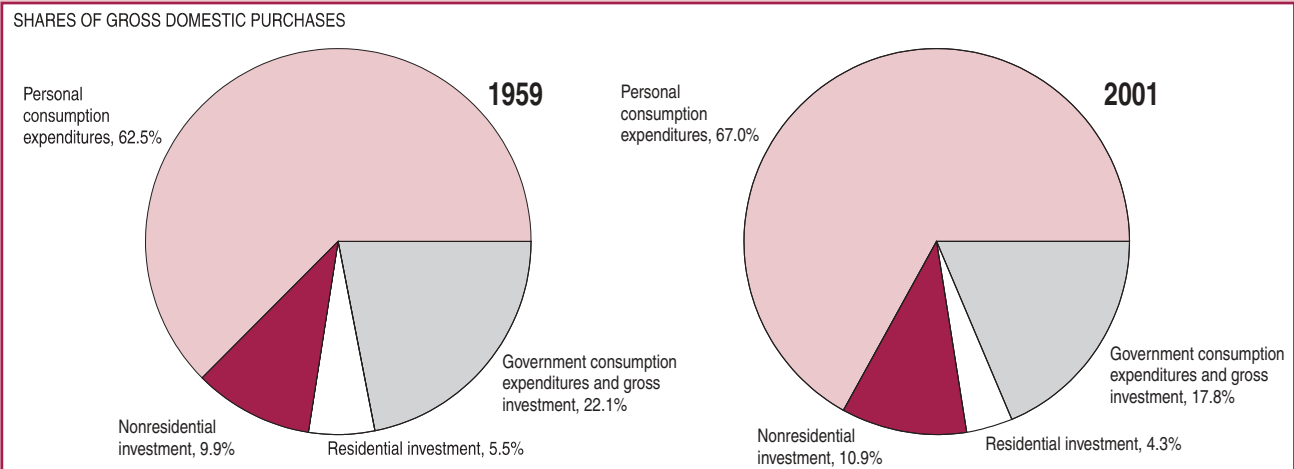
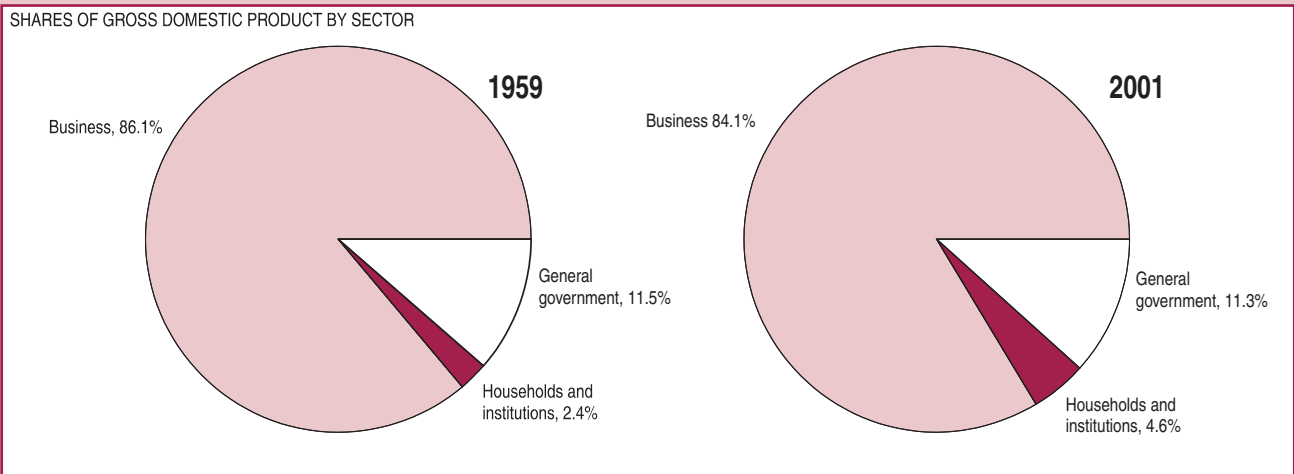
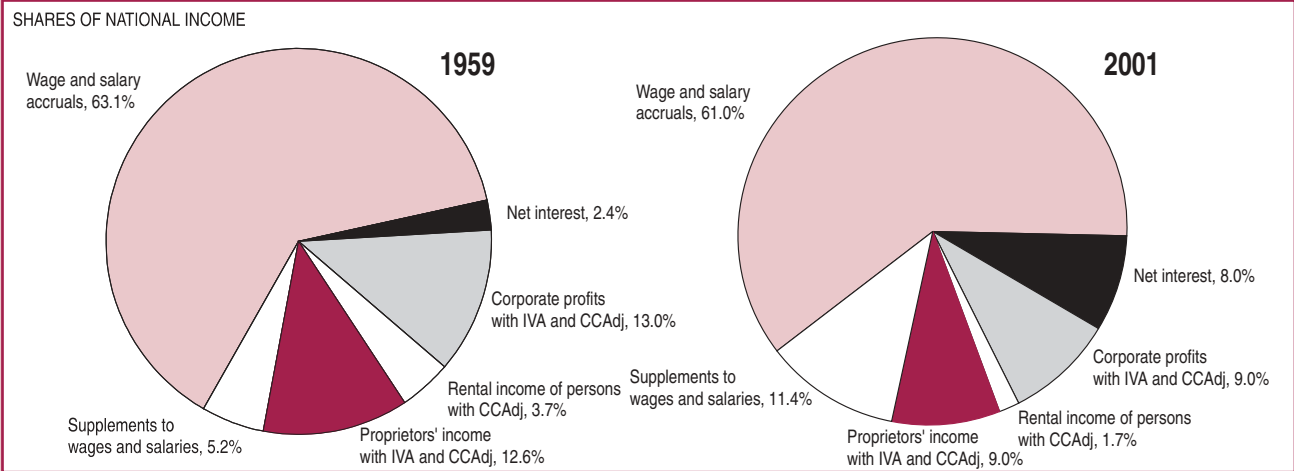
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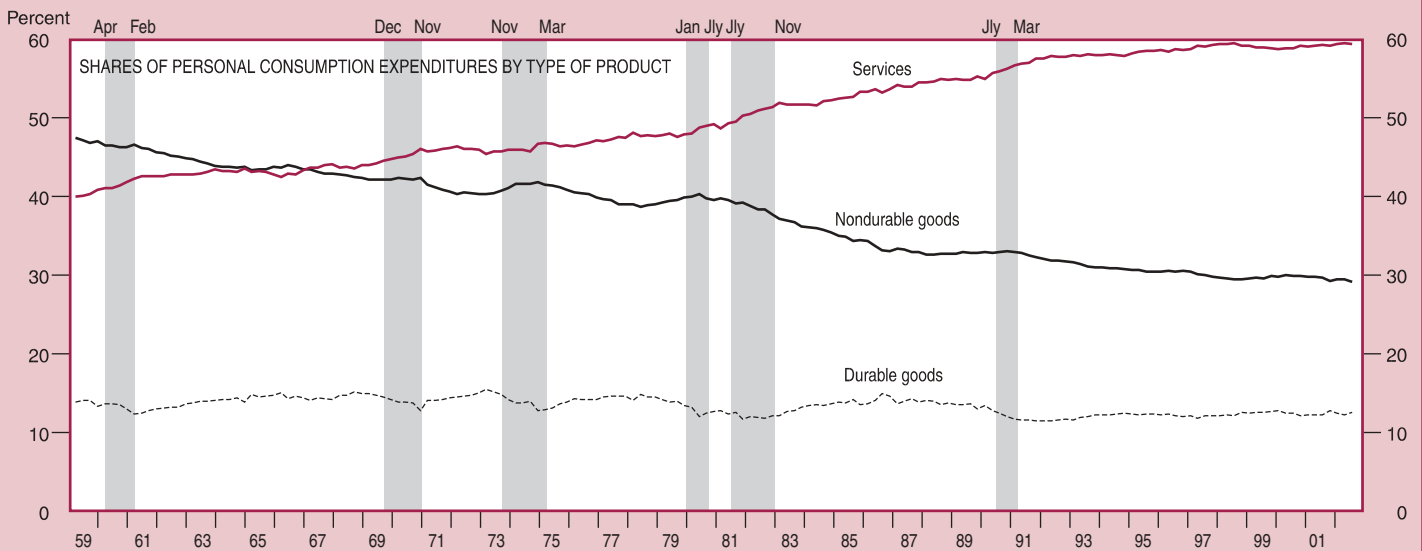
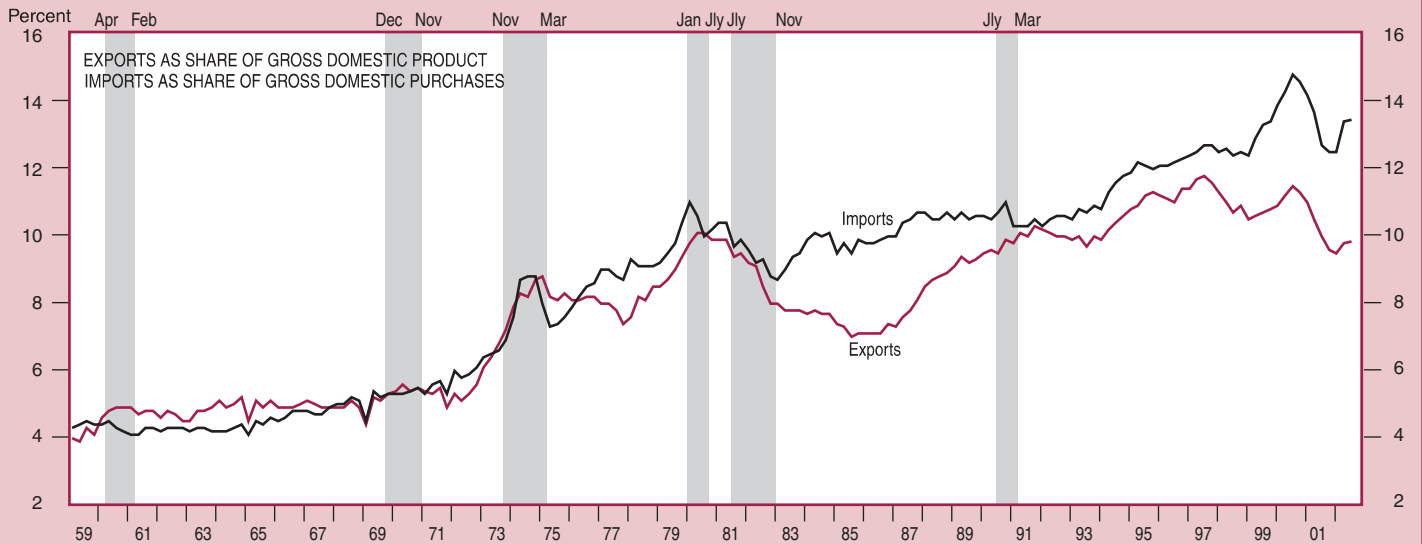
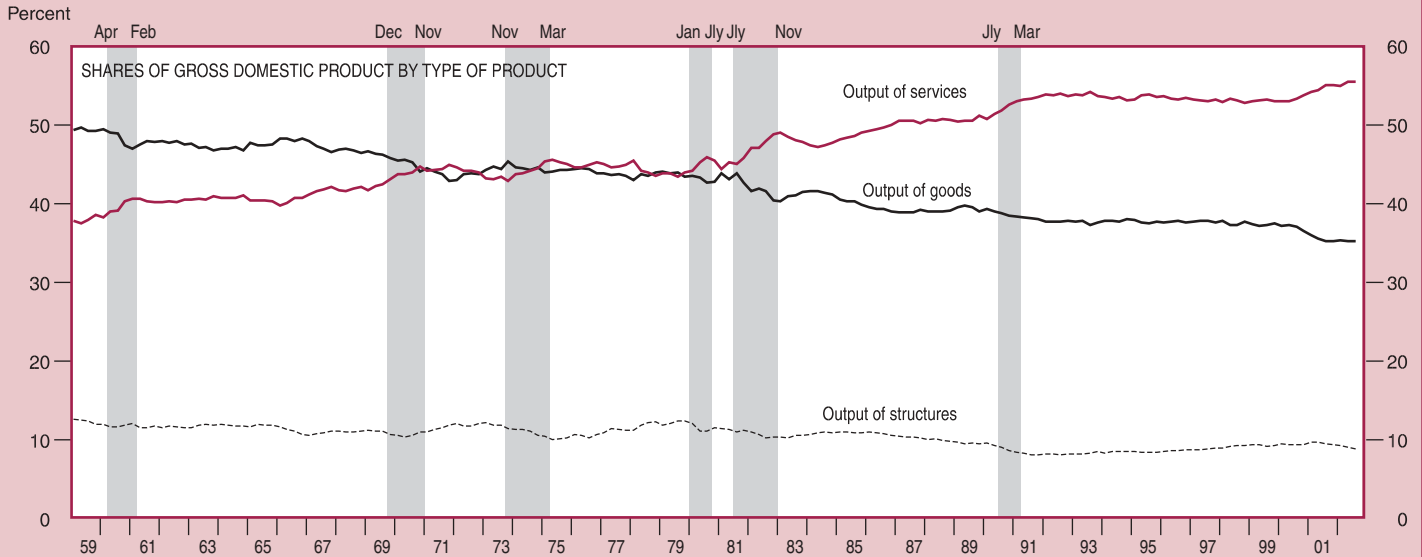
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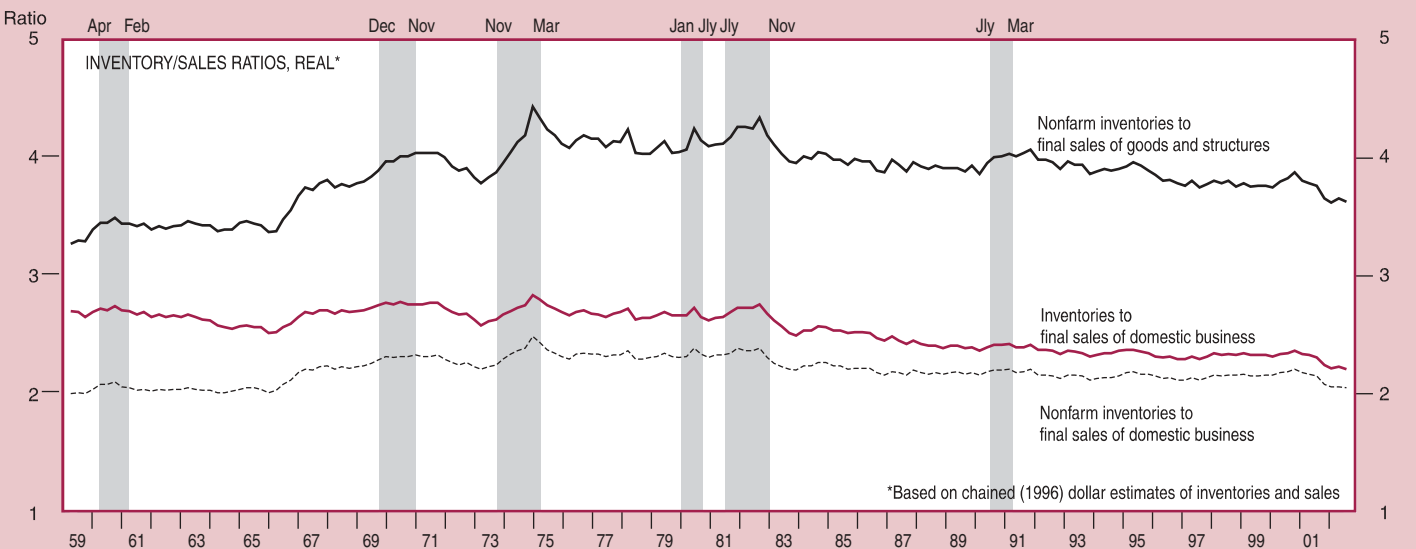
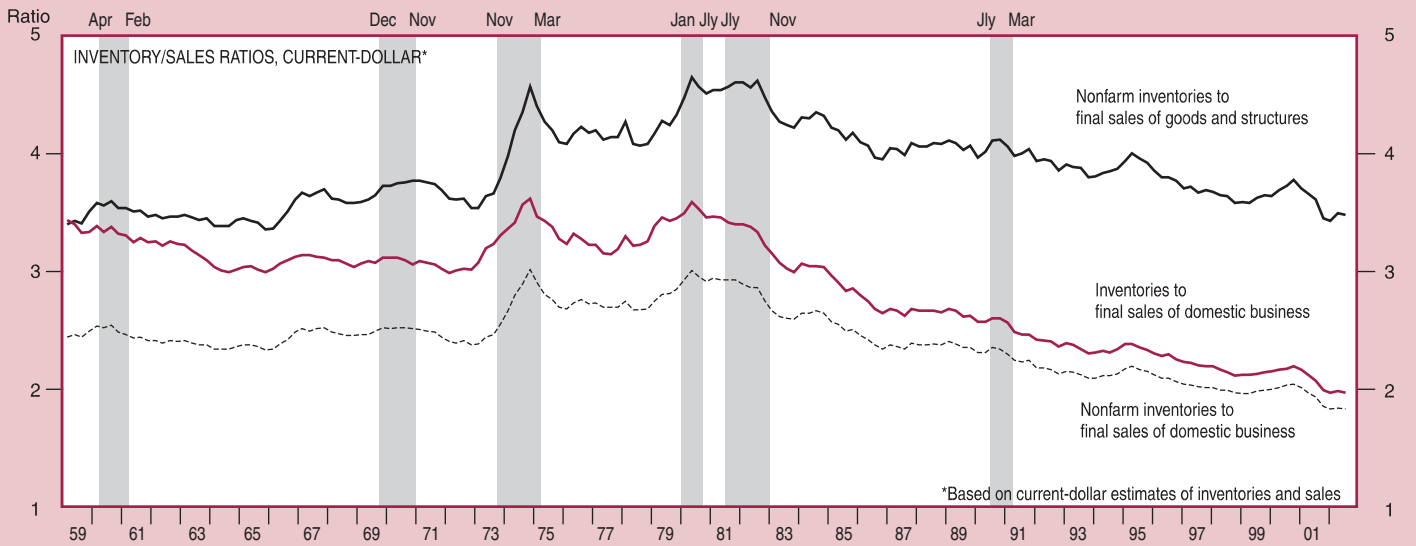
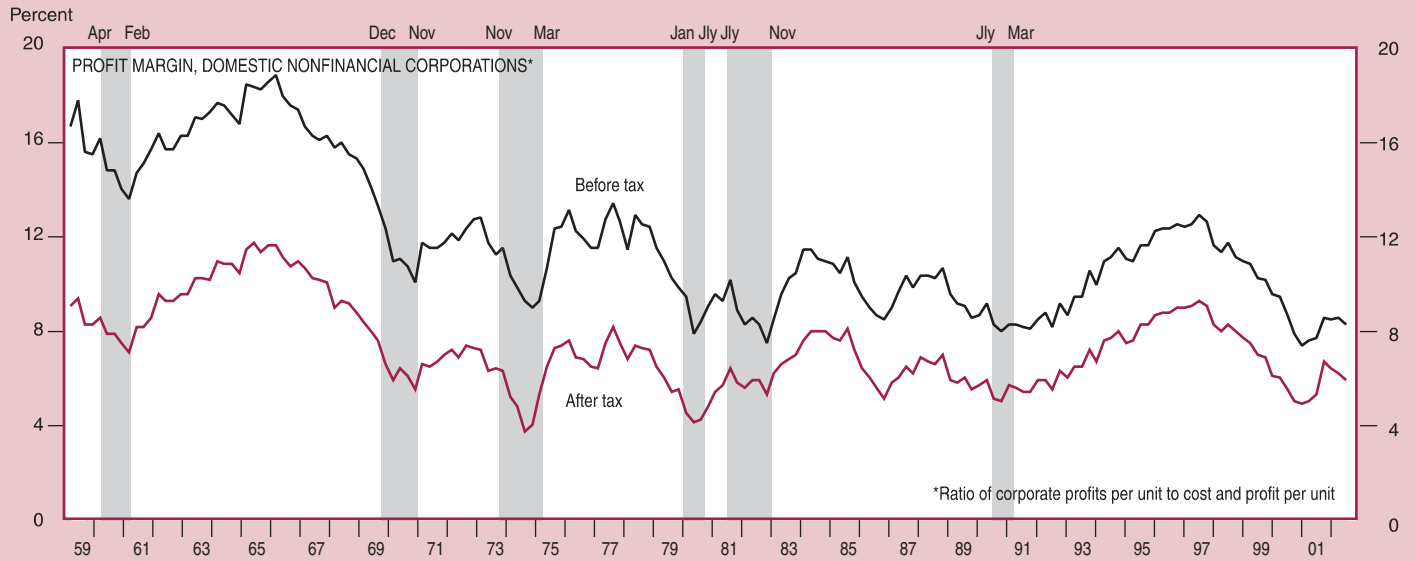
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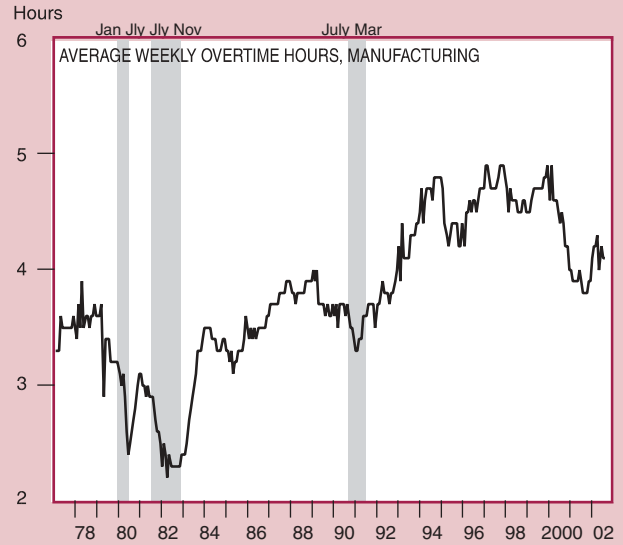
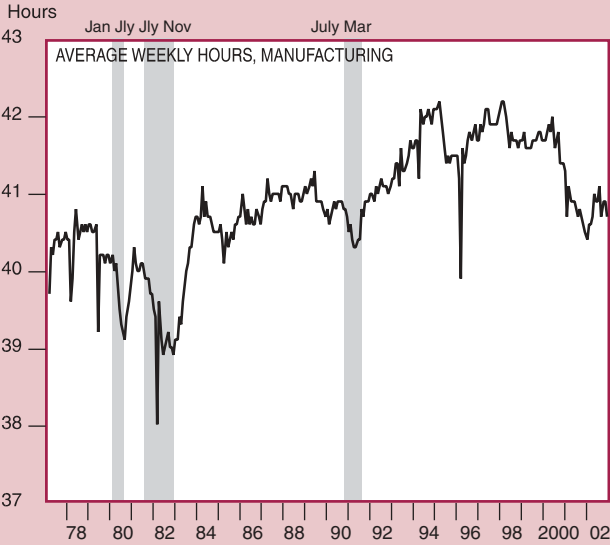
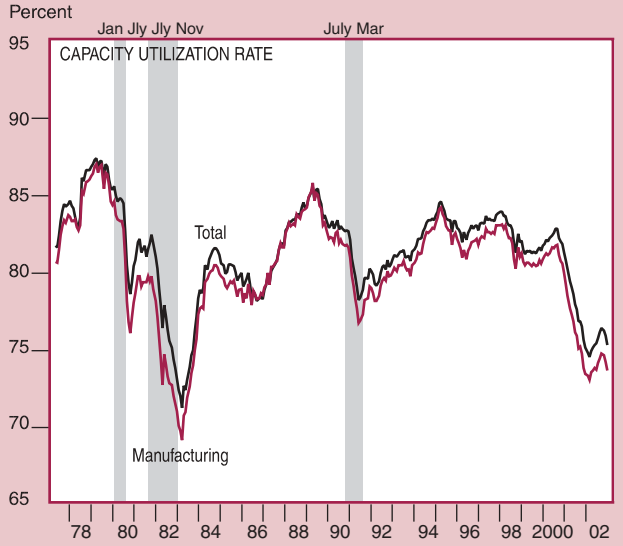
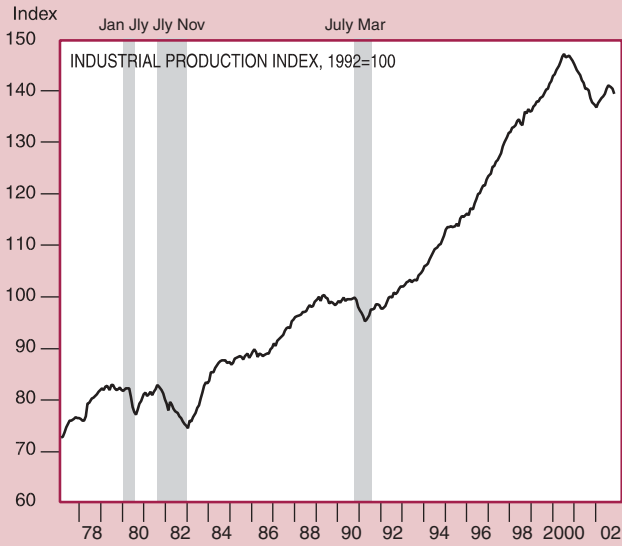
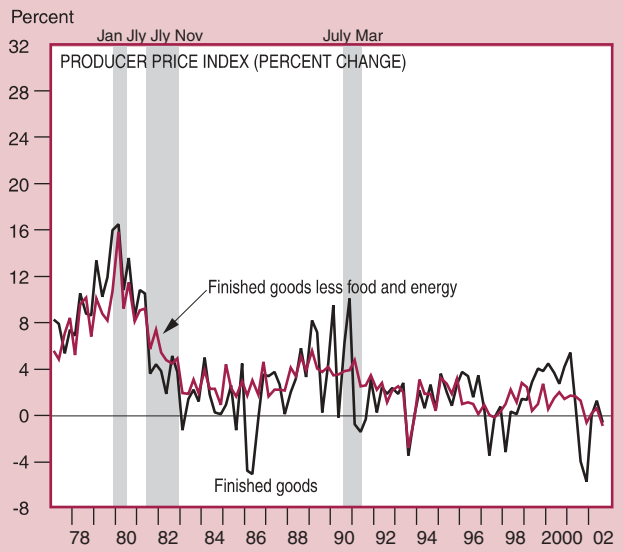
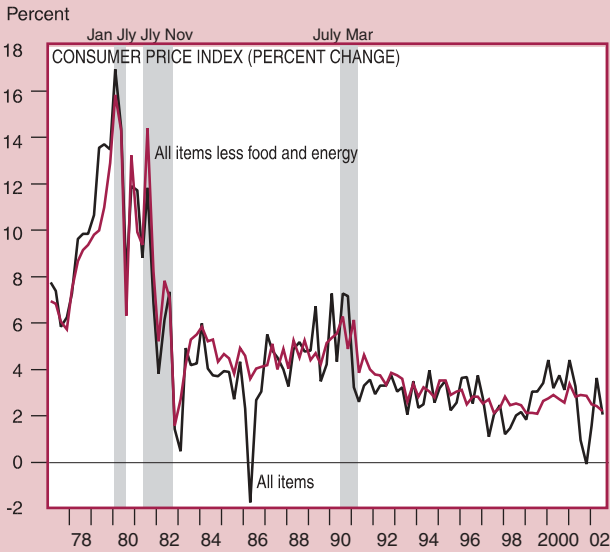
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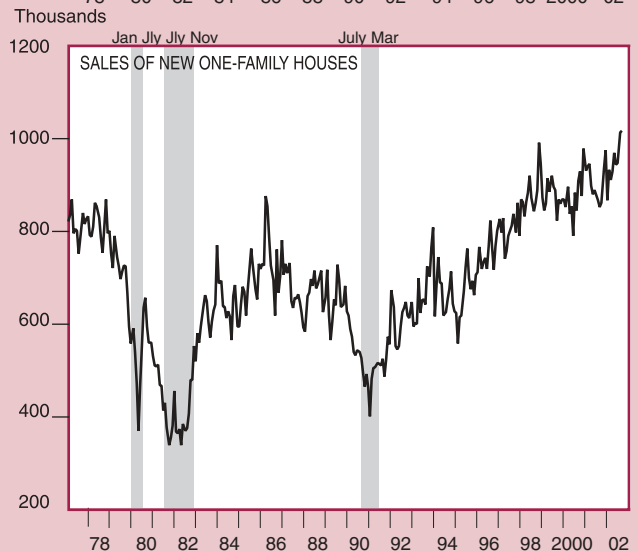
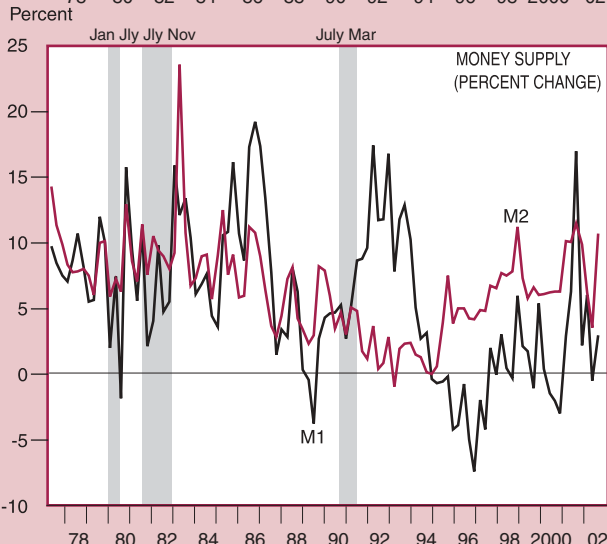
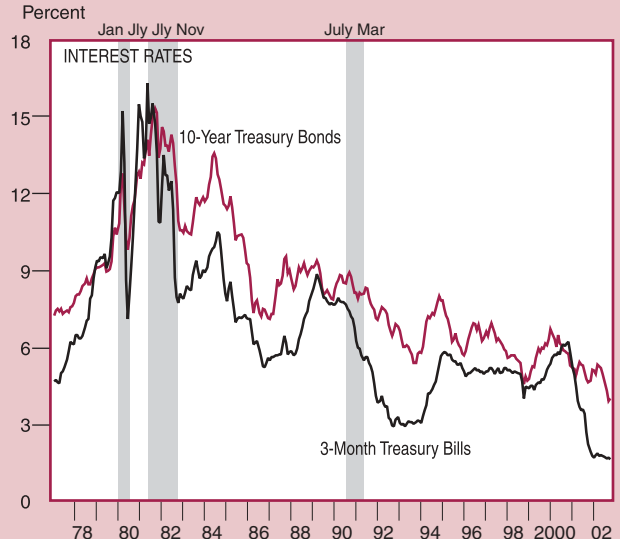
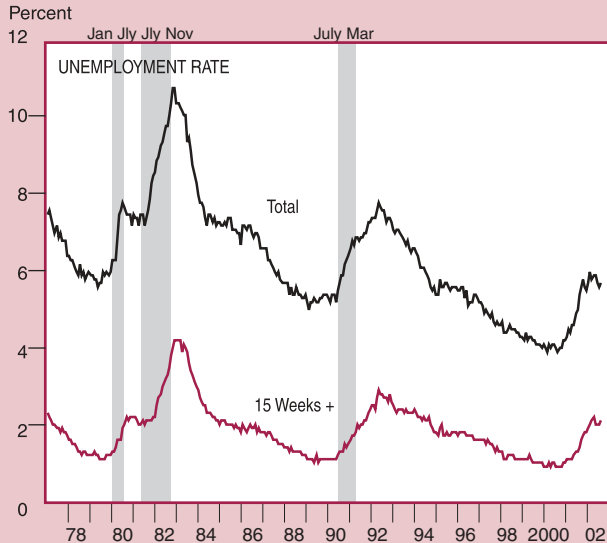
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OTHER INDICATORS OF THE DOMESTIC ECONOMY



OTHER INDICATORS OF THE DOMESTIC ECONOMY



International Data

F. Transactions Tables

Table F.1 contains estimates of U.S. international trade in goods and services that were released on November 19, 2002, including "preliminary" estimates for September 2002 and "revised" estimates for August 2002. The sources for the other tables in this section are as noted.

Table F.1. U.S. International Transactions in Goods and Services

[Millions of dollars; monthly estimates seasonally adjusted]

	2000	2001	2001					2002								
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug. ^r	Sept. ^p
Exports of goods and services.....	1,064,239	998,022	83,092	77,033	77,549	77,905	77,477	77,528	77,332	78,391	80,329	81,009	82,165	82,909	82,494	82,161
Goods.....	771,994	718,762	58,939	55,725	56,360	56,007	54,991	55,014	54,656	54,978	56,848	57,329	58,249	59,105	58,278	58,344
Foods, feeds, and beverages.....	47,871	49,407	4,157	3,995	4,149	4,168	4,104	4,232	4,289	3,901	3,891	3,993	4,258	4,305	4,038	4,062
Industrial supplies and materials.....	172,615	160,104	13,143	12,249	12,611	12,464	12,445	12,296	12,244	12,291	13,117	13,314	13,325	13,236	13,382	13,388
Capital goods, except automotive.....	356,934	321,714	25,726	24,328	24,373	24,294	23,511	23,661	23,310	24,129	24,118	24,277	25,139	25,266	24,978	25,190
Automotive vehicles, engines, and parts.....	80,356	75,435	6,513	6,405	6,285	6,269	6,009	6,018	6,200	6,244	6,689	6,762	6,660	7,092	6,833	6,706
Consumer goods (nonfood), except automotive.....	89,377	88,331	7,133	6,955	7,054	6,945	7,126	6,955	6,856	6,748	7,081	6,874	7,106	7,254	7,135	7,101
Other goods.....	34,765	34,110	3,029	2,663	2,821	2,746	2,674	2,584	2,638	2,714	2,803	3,045	2,636	2,895	2,922	2,748
Adjustments ¹	-9,924	-10,339	-763	-871	-934	-878	-878	-732	-881	-1,048	-850	-936	-875	-943	-1,010	-851
Services.....	292,245	279,260	24,153	21,308	21,189	21,898	22,486	22,514	22,676	23,413	23,481	23,680	23,916	23,804	24,216	23,817
Travel.....	82,267	73,119	6,721	4,738	4,359	5,011	5,366	5,520	5,630	5,888	5,621	5,722	5,857	5,726	6,008	5,820
Passenger fares.....	20,760	18,007	1,754	1,155	1,120	1,198	1,311	1,373	1,376	1,422	1,353	1,420	1,436	1,419	1,579	1,477
Other transportation.....	30,137	28,306	2,443	2,166	2,296	2,199	2,179	2,249	2,225	2,331	2,340	2,339	2,348	2,305	2,346	2,298
Royalties and license fees.....	39,607	38,668	3,175	3,177	3,196	3,220	3,256	3,267	3,307	3,357	3,459	3,503	3,528	3,533	3,523	3,496
Other private services.....	104,707	108,109	8,976	8,963	9,146	9,209	9,205	9,035	9,075	9,363	9,541	9,622	9,672	9,778	9,711	9,687
Transfers under U.S. military agency sales contracts ²	13,981	12,220	1,012	1,038	1,006	997	1,105	1,005	998	987	1,101	1,008	1,008	977	982	972
U.S. Government miscellaneous services.....	786	831	72	71	66	64	64	65	65	65	66	66	67	66	67	67
Imports of goods and services.....	1,442,920	1,356,312	112,542	96,514	108,389	107,813	104,756	107,356	110,447	110,942	116,312	118,713	118,916	117,979	120,774	120,187
Goods.....	1,224,417	1,145,927	93,396	91,385	91,394	90,102	86,525	88,481	91,009	91,583	96,998	99,027	98,868	98,143	100,615	100,145
Foods, feeds, and beverages.....	45,979	46,641	3,928	3,984	3,966	3,983	3,821	3,870	4,029	3,975	4,075	4,144	4,132	4,243	4,206	4,137
Industrial supplies and materials.....	298,980	273,870	22,129	21,686	21,021	19,637	18,258	18,934	18,993	19,936	22,781	23,065	22,532	22,803	23,776	23,438
Capital goods, except automotive.....	347,025	297,993	23,569	22,501	22,838	22,771	22,464	22,859	23,066	23,413	23,836	24,086	24,181	23,981	23,790	23,692
Automotive vehicles, engines, and parts.....	195,875	189,782	16,198	15,698	15,555	15,823	15,507	15,275	16,351	15,984	17,007	17,651	17,223	17,233	17,585	17,904
Consumer goods (nonfood), except automotive.....	281,832	284,293	23,417	23,379	23,765	23,620	22,222	23,244	24,414	23,672	25,007	25,620	26,145	25,570	26,887	26,502
Other goods.....	48,331	48,421	3,912	3,912	4,036	4,062	4,085	4,064	3,928	4,328	3,971	4,141	4,376	4,038	4,092	4,168
Adjustments ¹	6,395	4,928	243	225	213	206	169	235	229	274	320	321	280	275	278	304
Services.....	218,503	210,385	19,146	5,129	16,995	17,711	18,231	18,875	19,438	19,359	19,314	19,686	20,048	19,836	20,159	20,042
Travel.....	64,788	60,117	5,374	3,902	3,846	4,411	4,691	4,751	4,789	5,047	4,702	4,949	5,031	4,975	5,109	4,962
Passenger fares.....	24,306	22,418	2,256	1,524	1,365	1,488	1,598	1,685	1,689	1,739	1,671	1,704	1,751	1,792	1,839	1,765
Other transportation.....	41,598	38,823	3,114	2,922	3,007	2,945	3,045	3,017	2,928	2,913	3,267	3,270	3,210	3,207	3,239	3,203
Royalties and license fees.....	16,115	16,359	1,373	1,369	1,367	1,367	1,376	1,391	1,953	1,420	1,417	1,426	1,679	1,443	1,452	1,463
Other private services.....	55,253	54,588	5,529	-6,139	5,759	5,807	5,805	6,311	6,337	6,473	6,447	6,509	6,540	6,582	6,632	6,749
Direct defense expenditures ²	13,560	15,198	1,258	1,310	1,416	1,458	1,479	1,475	1,494	1,519	1,567	1,587	1,596	1,596	1,647	1,657
U.S. Government miscellaneous services.....	2,883	2,882	242	241	235	235	237	245	248	248	243	241	241	241	241	243
Memoranda:																
Balance on goods.....	-452,423	-427,165	-34,458	-35,660	-35,034	-34,095	-31,534	-33,467	-36,353	-36,604	-40,149	-41,698	-40,619	-39,037	-42,337	-41,801
Balance on services.....	73,742	68,875	5,007	16,179	4,194	4,187	4,255	3,639	3,238	4,054	4,167	3,994	3,868	3,968	4,057	3,775
Balance on goods and services.....	-378,681	-358,290	-29,451	-19,481	-30,840	-29,908	-27,279	-29,828	-33,115	-32,550	-35,982	-37,704	-36,751	-35,069	-38,280	-38,026

^p Preliminary.

^r Revised.

1. Reflects adjustments necessary to bring the Census Bureau's component data in line with the concepts and definitions

used to prepare BEA's international and national accounts.

2. Contains goods that cannot be separately identified.

Source: U.S. Bureau of Economic Analysis and U.S. Bureau of the Census.

Table F.2. U.S. International Transactions

[Millions of dollars]

Line	(Credits +, debits -) ¹	Not seasonally adjusted								Seasonally adjusted						
		2001	2001				2002				2001				2002	
			I	II	III	IV	I ^r	II ^p	I	II	III	IV	I ^r	II ^p		
1	Exports of goods and services and income receipts	1,281,793	347,304	332,942	306,844	294,703	289,712	305,507	349,040	331,612	309,477	291,667	291,348	304,359		
2	Exports of goods and services.....	998,022	263,736	258,016	239,744	236,526	231,262	244,775	266,004	256,766	242,325	232,930	233,252	243,752		
3	Goods, balance of payments basis ²	718,762	192,909	187,647	167,292	170,914	163,810	175,507	193,284	184,846	173,274	167,358	164,649	172,676		
4	Services ³	279,260	70,827	70,369	72,452	65,612	67,452	69,268	72,720	71,920	69,051	65,572	68,603	71,076		
5	Transfers under U.S. military agency sales contracts ⁴	12,220	2,806	3,227	3,079	3,108	2,990	3,117	2,806	3,227	3,079	3,108	2,990	3,117		
6	Travel.....	73,119	18,299	20,276	20,628	13,916	15,056	17,605	20,735	19,803	17,845	14,736	17,038	17,200		
7	Passenger fares.....	18,007	4,639	4,788	5,100	3,480	3,842	4,156	5,007	4,849	4,522	3,629	4,171	4,209		
8	Other transportation.....	28,306	7,163	7,168	7,308	6,667	6,523	7,022	7,495	7,170	6,968	6,674	6,805	7,027		
9	Royalties and license fees ⁵	38,668	9,428	9,534	9,314	10,392	9,651	10,291	9,717	9,743	9,537	9,672	9,931	10,490		
10	Other private services ⁵	108,109	28,270	25,175	26,809	27,855	29,195	26,878	26,738	26,927	26,886	27,559	27,473	28,834		
11	U.S. Government miscellaneous services.....	831	222	201	214	194	195	199	222	201	214	194	195	199		
12	Income receipts.....	283,771	83,568	74,926	67,100	58,177	58,450	60,732	83,036	74,846	67,152	58,737	58,096	60,607		
13	Income receipts on U.S.-owned assets abroad.....	281,389	82,976	74,333	66,503	57,577	57,839	60,118	82,444	74,253	66,555	58,137	57,485	59,993		
14	Direct investment receipts.....	125,996	35,713	33,217	30,084	26,982	28,946	31,326	35,270	33,078	30,211	27,436	28,679	31,145		
15	Other private receipts.....	151,832	46,281	40,398	35,494	29,695	27,994	28,162	46,281	40,398	35,494	29,695	27,994	28,162		
16	U.S. Government receipts.....	3,561	982	718	925	936	899	630	893	777	850	1,042	812	686		
17	Compensation of employees.....	2,382	592	593	597	600	611	614	592	593	597	600	611	614		
18	Imports of goods and services and income payments	-1,625,701	-433,352	-419,632	-394,713	-378,004	-373,988	-421,705	-445,151	-418,930	-388,448	-373,174	-387,766	-421,258		
19	Imports of goods and services.....	-1,356,312	-351,464	-350,111	-328,351	-326,386	-315,033	-354,132	-363,164	-350,990	-322,103	-320,958	-328,744	-354,365		
20	Goods, balance of payments basis ²	-1,145,927	-298,773	-290,463	-281,518	-275,173	-261,179	-293,186	-306,316	-292,565	-279,025	-268,021	-271,073	-295,316		
21	Services ³	-210,385	-52,691	-59,448	-46,833	-51,213	-53,854	-60,946	-56,848	-57,255	-43,078	-52,937	-57,671	-59,049		
22	Direct defense expenditures.....	-15,198	-3,548	-3,512	-3,785	-4,353	-4,488	-4,750	-3,548	-3,512	-3,785	-4,353	-4,488	-4,750		
23	Travel.....	-60,117	-13,545	-18,466	-17,253	-10,853	-12,389	-16,297	-16,003	-16,698	-14,468	-12,948	-14,587	-14,682		
24	Passenger fares.....	-22,418	-5,237	-6,763	-6,571	-3,847	-4,609	-5,635	-5,810	-6,213	-5,944	-4,451	-5,113	-5,126		
25	Other transportation.....	-38,823	-10,064	-10,057	-9,608	-9,094	-8,457	-9,631	-10,521	-10,130	-9,178	-8,997	-8,858	-9,747		
26	Royalties and license fees ⁵	-16,359	-3,990	-3,939	-3,956	-4,474	-4,653	-4,422	-4,097	-4,038	-4,113	-4,110	-4,764	-4,522		
27	Other private services ⁵	-54,588	-15,584	-16,185	-4,934	-17,885	-18,517	-19,486	-16,146	-16,208	-4,864	-17,371	-19,120	-19,497		
28	U.S. Government miscellaneous services.....	-2,882	-723	-726	-726	-707	-741	-725	-723	-726	-726	-707	-741	-725		
29	Income payments.....	-269,389	-81,888	-69,521	-66,362	-51,618	-58,955	-67,573	-81,990	-68,840	-66,345	-52,216	-59,042	-66,893		
30	Income payments on foreign-owned assets in the United States.....	-260,850	-79,875	-67,503	-64,174	-49,298	-56,822	-65,410	-79,881	-66,727	-64,210	-50,035	-56,803	-64,621		
31	Direct investment payments.....	-23,401	-13,015	-6,022	-6,267	1,903	-6,629	-14,263	-13,021	-5,246	-6,303	1,166	-6,610	-13,474		
32	Other private payments.....	-156,784	-45,512	-40,886	-38,156	-32,230	-31,679	-32,475	-45,512	-40,886	-38,156	-32,230	-31,679	-32,475		
33	U.S. Government payments.....	-80,665	-21,348	-20,595	-19,751	-18,971	-18,514	-18,672	-21,348	-20,595	-19,751	-18,971	-18,514	-18,672		
34	Compensation of employees.....	-8,539	-2,013	-2,018	-2,188	-2,320	-2,133	-2,163	-2,109	-2,113	-2,135	-2,181	-2,239	-2,272		
35	Unilateral current transfers, net	-49,463	-11,827	-11,250	-12,157	-14,229	-16,381	-12,336	-11,608	-11,916	-12,360	-13,579	-16,016	-13,060		
36	U.S. Government grants ⁴	-11,628	-2,419	-2,522	-2,905	-3,782	-6,273	-3,111	-2,419	-2,522	-2,905	-3,782	-6,273	-3,111		
37	U.S. Government pensions and other transfers.....	-5,798	-1,167	-934	-1,027	-2,670	-1,330	-1,006	-1,316	-1,291	-1,305	-1,886	-1,348	-1,357		
38	Private remittances and other transfers ⁶	-32,037	-8,241	-7,794	-8,225	-7,777	-8,778	-8,219	-7,873	-8,103	-8,150	-7,911	-8,395	-8,592		
Capital and financial account																
Capital account																
39	Capital account transactions, net	826	208	207	206	205	208	200	208	207	206	205	208	200		
Financial account																
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-370,962	-218,586	-81,594	23,140	-93,922	-28,121	-142,649	-215,815	-80,036	24,978	-100,088	-25,918	-140,833		
41	U.S. official reserve assets, net.....	-4,911	190	-1,343	-3,559	-199	390	-1,843	190	-1,343	-3,559	-199	390	-1,843		
42	Gold ⁷															
43	Special drawing rights.....	-630	-189	-156	-145	-140	-109	-107	-189	-156	-145	-140	-109	-107		
44	Reserve position in the International Monetary Fund.....	-3,600	574	-1,015	-3,242	83	652	-1,607	574	-1,015	-3,242	83	652	-1,607		
45	Foreign currencies.....	-681	-195	-172	-172	-142	-153	-129	-195	-172	-172	-142	-153	-129		
46	U.S. Government assets, other than official reserve assets, net.....	-486	77	-783	77	143	133	12	77	-783	77	143	133	12		
47	U.S. credits and other long-term assets.....	-4,431	-1,094	-1,330	-1,011	-996	-853	-565	-1,094	-1,330	-1,011	-996	-853	-565		
48	Repayments on U.S. credits and other long-term assets ⁸	3,873	1,071	573	1,118	1,111	994	553	1,071	573	1,118	1,111	994	553		
49	U.S. foreign currency holdings and U.S. short-term assets, net.....	72	100	-26	-30	28	-8	24	100	-26	-30	28	-8	24		
50	U.S. private assets, net.....	-365,565	-218,853	-79,468	26,622	-93,866	-28,644	-140,818	-216,082	-77,910	28,460	-100,032	-26,441	-139,002		
51	Direct investment.....	-127,840	-26,285	-36,689	-43,562	-21,304	-31,483	-31,179	-23,514	-35,131	-41,724	-27,470	-29,280	-29,363		
52	Foreign securities.....	-94,662	-26,895	-51,764	10,087	-26,090	2,047	-9,987	-26,895	-51,764	10,087	-26,090	2,047	-9,987		
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns.....	-14,358	-51,759	9,670	-9,479	37,210	65	-26,976	-51,759	9,670	-9,479	37,210	65	-26,976		
54	U.S. claims reported by U.S. banks, not included elsewhere.....	-128,705	-113,914	-685	69,576	-83,682	727	-72,676	-113,914	-685	69,576	-83,682	727	-72,676		
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	752,806	303,125	182,749	18,136	248,796	113,921	222,431	302,510	181,610	17,889	250,797	113,496	221,213		
56	Foreign official assets in the United States, net.....	5,224	4,087	-20,831	16,882	5,086	7,641	47,062	4,087	-20,831	16,882	5,086	7,641	47,062		
57	U.S. Government securities.....	31,665	2,547	-10,866	15,594	24,390	6,714	21,741	2,547	-10,866	15,594	24,390	6,714	21,741		
58	U.S. Treasury securities ⁹	10,745	-1,027	-20,798	15,810	16,760	-582	15,193	-1,027	-20,798	15,810	16,760	-582	15,193		
59	Other ¹⁰	20,920	3,574	9,932	-216	7,630	7,296	6,548	3,574	9,932	-216	7,630	7,296	6,548		
60	Other U.S. Government liabilities ¹¹	-1,882	-676	-791	89	-504	-790	-20	-676	-791	89	-504	-790	-20		
61	U.S. liabilities reported by U.S. banks, not included elsewhere.....	-30,278	1,213	-10,202	-782	-20,507	991	24,415	1,213	-10,202	-782	-20,507	991	24,415		
62	Other foreign official assets ¹²	5,719	1,003	1,028	1,981	1,707	726	926	1,003	1,028	1,981	1,707	726	926		
63	Other foreign assets in the United States, net.....	747,582	299,038	203,580	1,254	243,710	106,280	175,369	298,423	202,441	1,007	245,711	105,855	174,151		
64	Direct investment.....	130,796	44,204	52,241	14,455	19,896	16,648	2,184	43,589	51,102	14,208	21,897	16,223	966		
65	U.S. Treasury securities.....	-7,670	-4,744	-14,685	-15,470	27,229	-7,282	1,386	-4,744	-14,685	-15,470	2				

Table F.3. U.S. International Transactions, by Area
[Millions of dollars]

Line	(Credits +, debits -) ¹	Western Europe			European Union ¹⁴			United Kingdom			European Union (6) ¹⁵		
		2001		2002	2001		2002	2001		2002	2001		2002
		IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p
Current account													
1	Exports of goods and services and income receipts	89,569	87,531	90,304	79,700	78,477	80,365	23,100	22,578	23,567	42,976	41,948	43,283
2	Exports of goods and services	64,806	62,432	63,956	58,706	56,916	57,878	16,157	14,702	15,555	31,858	31,497	31,928
3	Goods, balance of payments basis ²	40,268	39,414	38,708	37,063	36,165	35,147	8,794	8,265	8,323	22,087	21,905	21,553
4	Services ³	24,538	23,018	25,248	21,643	20,751	22,731	7,363	6,437	7,232	9,771	9,592	10,375
5	Transfers under U.S. military agency sales contracts ⁴	768	677	851	589	567	526	80	92	78	389	284	187
6	Travel	4,620	4,179	5,400	4,259	3,770	4,908	2,154	1,583	2,149	1,448	1,517	1,916
7	Passenger fares	1,262	1,140	1,368	1,213	1,109	1,328	646	483	593	505	511	594
8	Other transportation	2,121	2,070	2,240	1,830	1,793	1,944	423	413	461	933	931	1,018
9	Royalties and license fees ⁵	4,926	4,529	4,861	4,229	4,150	4,444	947	821	845	2,042	1,871	2,001
10	Other private services ⁵	10,803	10,389	10,493	9,489	9,332	9,550	3,108	3,041	3,102	4,432	4,458	4,637
11	U.S. Government miscellaneous services	38	34	35	34	30	31	5	4	4	22	20	22
12	Income receipts	24,763	25,099	26,348	20,994	21,561	22,487	6,943	7,876	8,012	11,118	10,451	11,355
13	Income receipts on U.S.-owned assets abroad	24,722	25,058	26,307	20,956	21,523	22,449	6,923	7,856	7,992	11,105	10,438	11,342
14	Direct investment receipts	10,846	12,132	13,222	8,439	9,697	10,586	1,018	2,454	2,526	5,984	5,534	6,513
15	Other private receipts	13,604	12,662	12,908	12,266	11,607	11,707	5,809	5,402	5,486	4,979	4,752	4,829
16	U.S. Government receipts	272	264	177	251	219	156	96	20	20	142	152	13
17	Compensation of employees	41	41	41	38	38	38	20	20	20	13	13	13
18	Imports of goods and services and income payments	-103,896	-106,813	-121,918	-93,758	-95,682	-108,669	-31,179	-31,993	-35,643	-45,632	-47,091	-54,162
19	Imports of goods and services	-80,203	-76,608	-88,583	-73,007	-69,563	-79,546	-16,508	-15,500	-17,989	-42,463	-40,271	-45,533
20	Goods, balance of payments basis ²	-58,948	-55,245	-62,474	-54,605	-51,173	-56,824	-10,179	-9,132	-10,622	-32,543	-30,581	-33,550
21	Services ³	-21,255	-21,363	-26,109	-18,402	-18,390	-22,722	-6,329	-6,368	-7,367	-9,920	-9,690	-11,983
22	Direct defense expenditures	-2,291	-2,184	-2,226	-1,842	-1,795	-1,836	-165	-156	-160	-1,527	-1,506	-1,541
23	Travel	-3,311	-3,526	-6,381	-3,061	-3,290	-5,819	-1,103	-1,196	-1,566	-1,492	-1,627	-3,187
24	Passenger fares	-1,692	-2,283	-3,259	-1,580	-2,016	-2,949	-642	-771	-960	-598	-859	-1,413
25	Other transportation	-3,027	-2,745	-3,175	-2,490	-2,256	-2,633	-563	-520	-602	-1,228	-1,116	-1,328
26	Royalties and license fees ⁵	-2,447	-2,038	-2,186	-1,951	-1,535	-1,717	-517	-367	-319	-1,192	-934	-1,161
27	Other private services ⁵	-8,196	-8,300	-8,580	-7,230	-7,254	-7,509	-3,319	-3,340	-3,740	-3,685	-3,452	-3,144
28	U.S. Government miscellaneous services	-291	-287	-302	-248	-244	-259	-20	-18	-20	-198	-196	-209
29	Income payments	-23,693	-30,205	-33,335	-20,751	-26,119	-29,123	-14,671	-16,493	-17,654	-3,169	-6,820	-8,629
30	Income payments on foreign-owned assets in the United States	-23,532	-30,040	-33,183	-20,613	-25,978	-28,989	-14,636	-16,457	-17,620	-3,078	-6,727	-8,539
31	Direct investment payments	969	-5,784	-8,912	1,336	-3,754	-6,964	-757	-2,181	-3,359	3,105	-655	-2,644
32	Other private payments	-19,214	-19,177	-19,315	-17,221	-17,684	-17,621	-12,042	-12,361	-12,251	-4,224	-4,340	-4,361
33	U.S. Government payments	-5,287	-5,079	-4,956	-4,728	-4,540	-4,404	-1,837	-1,915	-2,010	-1,959	-1,732	-1,534
34	Compensation of employees	-161	-165	-152	-138	-141	-134	-35	-36	-34	-91	-93	-90
35	Unilateral current transfers, net	-426	-561	-522	46	-100	-172	402	320	333	-128	-193	-168
36	U.S. Government grants ⁴	-195	-209	-294	-12	-3	-131	.....	.....	.....	.....	.....	.....
37	U.S. Government pensions and other transfers	-485	-393	-374	-329	-331	-336	-57	-58	-55	-181	-179	-190
38	Private remittances and other transfers ⁶	254	41	146	387	234	295	459	378	388	53	-14	25
Capital and financial account													
Capital account													
39	Capital account transactions, net	32	36	37	29	33	34	5	8	8	18	20	21
Financial account													
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-10,765	-57,727	-57,511	12,308	-21,808	-52,917	4,317	-8,151	-32,427	16,342	-10,460	-19,698
41	U.S. official reserve assets, net	-141	-152	-129	-141	-152	-129	.....	.....	.....	-81	-99	-84
42	Gold ⁷ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies	-141	-152	-129	-141	-152	-129	.....	.....	.....	-81	-99	-84
46	U.S. Government assets, other than official reserve assets, net	170	260	126	96	155	46	56	.....	14	.....	1	16
47	U.S. credits and other long-term assets .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets ⁸	170	259	115	96	155	40	56	.....	.....	.....	1	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net .....	.....	1	11	.....	.....	6	.....	.....	14	.....	.....	16
50	U.S. private assets, net	-10,794	-57,835	-57,508	12,353	-21,811	-52,834	4,261	-8,151	-32,441	16,423	-10,362	-19,630
51	Direct investment	-6,168	-8,857	-15,810	-3,642	-6,693	-12,955	1,149	-1,316	-1,522	-4,874	-4,010	-8,436
52	Foreign securities	-18,578	6,244	-12,635	-17,777	4,710	-13,029	-21,186	1,534	-14,293	1,594	1,344	925
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	39,045	-28,544	38,620	-24,884	25,292	-18,616	25,292	-18,616	25,292	14,564	-5,115	.....
54	U.S. claims reported by U.S. banks, not included elsewhere	-25,093	-26,678	-29,063	-4,848	5,056	-26,850	-994	10,247	-16,626	5,139	-2,581	-12,119
55	Foreign-owned assets in the United States, net (increase/financial inflow(+))	122,232	80,524	33,633	57,141	21,010	45,988	31,458	329	48,510	15,358	17,737	-8,323
56	Foreign official assets in the United States, net	-4,066	63	3,101	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	-154	-54	-105	-46	-49	132	-7	-9	13	-145	-75	63
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	126,298	80,461	30,532	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	10,317	20,918	-1,513	-28,986	22,327	2,954	-2,100	3,109	-694	-27,562	15,966	2,980
65	U.S. Treasury securities	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	58,229	41,440	45,125	54,769	37,911	42,326	38,356	26,040	35,920	12,959	8,022	4,165
67	U.S. currency .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	-6,755	27,838	.....	-2,582	19,499	.....	-24,740	12,640	.....	21,054	7,983	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	18 33,986	18 -58,678	18 576	18 19,949	18 -41,451	18 13,271	18 9,052	18 -20,159	18 -15,531
70	Statistical discrepancy (sum of above items with sign reversed)	-96,746	-2,990	55,977	-55,466	18,070	35,371	-28,103	16,909	-4,348	-28,934	4,039	39,047
Memoranda:													
71	Balance on goods (lines 3 and 20)	-18,680	-15,831	-23,766	-17,542	-15,008	-21,677	-1,385	-867	-2,299	-10,456	-8,676	-11,997
72	Balance on services (lines 4 and 21)	3,283	1,655	-861	3,241	2,361	9	1,034	69	-135	-149	-98	-1,608
73	Balance on goods and services (lines 2 and 19)	-15,397	-14,176	-24,627	-14,301	-12,647	-21,668	-351	-798	-2,434	-10,605	-8,774	-13,605
74	Balance on income (lines 12 and 29)	1,070	-5,106	-6,987	243	-4,558	-6,636	-7,728	-8,617	-9,642	7,949	3,631	2,726
75	Unilateral current transfers, net (line 35)	-426	-561	-522	46	-100	-172	402	320	333	-128	-193	-168
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-14,753	-19,843	-32,136	-14,012	-17,305	-28,476	-7,677	-9,095	-11,743	-2,784	-5,336	-11,047

See footnotes on page D-57.

Table F.3. U.S. International Transactions, by Area—Continued

[Millions of dollars]

Line	(Credits +, debits -) ¹	Eastern Europe			Canada			Latin America and Other Western Hemisphere			Japan		
		2001		2002	2001		2002	2001		2002	2001		2002
		IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p
Current account													
1	Exports of goods and services and income receipts	3,306	3,541	3,392	48,666	48,535	53,433	63,508	57,860	61,891	20,980	22,297	22,515
2	Exports of goods and services	2,644	2,656	2,681	44,157	44,463	48,983	51,062	46,938	50,597	19,057	19,868	20,056
3	Goods, balance of payments basis ²	1,688	1,519	1,641	38,415	38,329	42,895	38,586	34,669	37,784	12,484	12,186	12,350
4	Services ³	956	1,137	1,040	5,742	6,134	6,088	12,476	12,269	12,813	6,573	7,682	7,706
5	Transfers under U.S. military agency sales contracts ⁴	85	111	91	17	23	26	156	122	116	108	111	218
6	Travel	221	245	313	1,200	1,663	1,615	4,569	4,292	4,844	1,188	2,173	2,050
7	Passenger fares	11	16	13	294	422	349	1,206	1,160	1,282	377	655	652
8	Other transportation	69	56	58	523	512	579	716	705	750	795	759	815
9	Royalties and license fees ⁵	95	92	91	629	567	620	909	810	844	1,830	1,759	1,834
10	Other private services ⁵	466	609	463	3,061	2,927	2,877	4,878	5,138	4,935	2,256	2,200	2,115
11	U.S. Government miscellaneous services	9	8	11	18	20	22	42	42	42	19	25	22
12	Income receipts	662	885	711	4,509	4,072	4,450	12,446	10,922	11,294	1,923	2,429	2,459
13	Income receipts on U.S.-owned assets abroad	657	880	706	4,490	4,051	4,430	12,413	10,888	11,260	1,921	2,427	2,456
14	Direct investment receipts	244	367	328	2,319	1,906	2,336	4,615	3,755	4,062	1,145	1,728	1,821
15	Other private receipts	381	375	368	2,171	2,145	2,094	7,673	7,062	7,095	775	698	635
16	U.S. Government receipts	32	138	10	10	125	71	125	71	103	1	1	3
17	Compensation of employees	5	5	5	19	21	20	33	34	34	2	2	3
18	Imports of goods and services and income payments	-4,351	-3,573	-5,118	-55,343	-55,761	-61,483	-68,261	-69,542	-76,164	-40,237	-37,939	-43,494
19	Imports of goods and services	-3,735	-3,029	-4,516	-54,511	-55,004	-60,288	-57,405	-57,794	-63,995	-35,197	-33,052	-34,555
20	Goods, balance of payments basis ²	-3,280	-2,561	-3,808	-50,408	-51,195	-55,427	-47,366	-46,035	-51,830	-30,747	-28,593	-29,851
21	Services ³	-455	-468	-708	-4,103	-3,809	-4,861	-10,039	-11,759	-12,165	-4,450	-4,459	-4,704
22	Direct defense expenditures	-43	-41	-40	-18	-18	-19	-96	-60	-100	-343	-368	-365
23	Travel	-144	-161	-330	-1,011	-969	-1,611	-3,532	-4,286	-4,313	-566	-560	-691
24	Passenger fares	-54	-56	-114	-134	-122	-176	-569	-625	-614	-215	-201	-256
25	Other transportation	-61	-51	-58	-797	-849	-944	-656	-655	-711	-1,212	-1,101	-1,262
26	Royalties and license fees ⁵	-17	-26	-24	-270	-254	-330	-255	-241	-252	-1,170	-1,264	-1,103
27	Other private services ⁵	-125	-118	-128	-1,822	-1,552	-1,737	-4,807	-5,759	-6,047	-908	-907	-997
28	U.S. Government miscellaneous services	-11	-15	-14	-51	-45	-44	-124	-133	-128	-36	-49	-30
29	Income payments	-616	-544	-602	-832	-757	-1,195	-10,856	-11,748	-12,169	-5,040	-4,887	-8,939
30	Income payments on foreign-owned assets in the United States	-591	-519	-582	-734	-657	-1,099	-9,084	-10,173	-10,467	-5,017	-4,863	-8,919
31	Direct investment payments	-79	-65	-94	485	591	180	818	-780	-839	1,397	1,353	-2,244
32	Other private payments	-140	-117	-126	-868	-915	-950	-7,803	-7,273	-7,272	-1,655	-1,609	-2,074
33	U.S. Government payments	-372	-337	-362	-351	-333	-329	-2,099	-2,120	-2,356	-4,759	-4,607	-4,601
34	Compensation of employees	-25	-25	-20	-98	-100	-96	-1,772	-1,575	-1,702	-23	-24	-20
35	Unilateral current transfers, net	-811	-880	-787	-184	-220	-190	-4,322	-4,342	-4,226	-54	-122	-49
36	U.S. Government grants ⁴	-349	-362	-310	-137	-137	-145	-561	-518	-479	-31	-31	-25
37	U.S. Government pensions and other transfers	-13	-13	-11	-137	-133	-145	-308	-205	-177	-31	-32	-25
38	Private remittances and other transfers ⁶	-449	-505	-466	-47	-87	-45	-3,453	-3,619	-3,570	-23	-90	-24
Capital and financial account													
Capital account													
39	Capital account transactions, net	7	6	6	34	26	26	101	102	105	3	6	7
Financial account													
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	203	134	1,009	-12,074	-8,452	-4,936	-47,678	55,087	-71,028	-15,383	-2,767	-1,928
41	U.S. official reserve assets, net										-1	-1	
42	Gold ⁷												
43	Special drawing rights												
44	Reserve position in the International Monetary Fund												
45	Foreign currencies										-1	-1	
46	U.S. Government assets, other than official reserve assets, net	45	45	-22				66	43	21		1	-10
47	U.S. credits and other long-term assets	-21	-6	-40				-133	-99	-106			
48	Repayments on U.S. credits and other long-term assets ⁸	66	51	18				199	149	119			
49	U.S. foreign currency holdings and U.S. short-term assets, net								-7	8		1	-10
50	U.S. private assets, net	158	89	1,031	-12,074	-8,452	-4,936	-47,744	55,044	-71,049	-15,382	-2,767	-1,918
51	Direct investment	26	224	-4,986	-4,779	-7,532	-3,099	-2,380	-2,471	-3,748	-2,163	-1,625	-1,562
52	Foreign securities	476	465	358	-145	332	3,860	-6,566	-1,774	-2,492	-4,040	-3,036	-370
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-33	35		2,100	1,167		2,469	29,508	-33,796	-4,989	-400	
54	U.S. claims reported by U.S. banks, not included elsewhere	-311	-635	1,169	-9,250	-2,419	-5,697	-41,267	29,781	-31,013	-4,190	2,294	14
55	Foreign-owned assets in the United States, net (increase/financial inflow(+))	-3,720	1,324	8,626	10,966	4,797	-1,023	50,717	-1,898	72,713	43,024	-1,187	40,565
56	Foreign official assets in the United States, net	(18)	(18)	(18)	819	867	-3,197	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	22	31	61	11	-1	16	-48	8	10	-73	-121	-122
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	(18)	(18)	(18)	10,147	3,930	2,174	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	623	285	921	6,537	-2,462	738	2,347	1,598	-4,233	-176	-5,541	3,564
65	U.S. Treasury securities	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	-454	-178	-393	3,938	6,889	2,749	15,553	14,882	25,002	13,425	-3,671	22,747
67	U.S. currency												
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	27	123		328	92		9,044	2,603	1,995	-964	1,269	
69	U.S. liabilities reported by U.S. banks, not included elsewhere	18-3,938	18-1,063	18-8,037	(17)	(17)	(17)	18-23,821	18-20,989	18-49,939	18-30,812	18-6,877	18-14,376
70	Statistical discrepancy (sum of above items with sign reversed)	5,366	-552	-7,128	7,935	11,075	14,173	5,935	-37,267	16,709	-8,333	19,712	-17,616
Memoranda:													
71	Balance on goods (lines 3 and 20)	-1,592	-1,042	-2,167	-11,993	-12,866	-12,532	-8,780	-11,366	-14,046	-18,263	-16,407	-17,501
72	Balance on services (lines 4 and 21)	501	669	332	1,639	2,325	1,227	2,437	510	648	2,123	3,223	3,002
73	Balance on goods and services (lines 2 and 19)	-1,091	-373	-1,835	-10,354	-10,541	-11,305	-6,343	-10,856	-13,398	-16,140	-13,184	-14,499
74	Balance on income (lines 12 and 29)	46	341	109	3,677	3,315	3,255	1,590	826	-875	-3,117	-2,458	-6,480
75	Unilateral current transfers, net (line 35)	-811	-880	-787	-184	-220	-190	-4,322	-4,342	-4,226	-54	-122	-49
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-1,856	-912	-2,513	-6,861	-7,446	-8,240	-9,075	-16,024	-18,499	-19,311	-15,764	-21,028

See footnotes on page D-57.

Table F.3. U.S. International Transactions, by Area—Continued

[Millions of dollars]

Line	(Credits +, debits -) ¹	Australia			Other countries in Asia and Africa			International organizations and unallocated ¹⁶		
		2001		2002	2001		2002	2001		2002
		IV	I ^r	II ^p	IV	I ^r	II ^p	IV	I ^r	II ^p
Current account										
1	Exports of goods and services and income receipts	4,945	5,295	5,770	55,478	56,348	59,907	8,251	8,305	8,295
2	Exports of goods and services	3,810	3,984	4,476	49,538	49,517	52,586	1,452	1,404	1,440
3	Goods, balance of payments basis ²	2,685	2,830	3,220	36,788	34,863	38,909			
4	Services ³	1,125	1,154	1,256	12,750	14,654	13,677	1,452	1,404	1,440
5	Transfers under U.S. military agency sales contracts ⁴	27	42	68	1,947	1,904	1,747			
6	Travel	289	293	346	1,829	2,211	3,037			
7	Passenger fares	77	94	78	253	355	414			
8	Other transportation	63	59	67	2,247	2,243	2,393	133	119	120
9	Royalties and license fees ⁵	187	182	199	1,267	1,199	1,297	549	513	545
10	Other private services ⁵	479	482	495	5,142	6,678	4,725	770	772	775
11	U.S. Government miscellaneous services	3	2	3	65	64	64			
12	Income receipts	1,135	1,311	1,294	5,940	6,831	7,321	6,799	6,901	6,855
13	Income receipts on U.S.-owned assets abroad	1,134	1,310	1,293	5,919	6,809	7,299	6,321	6,416	6,367
14	Direct investment receipts	416	579	573	3,534	4,528	5,082	3,863	3,951	3,902
15	Other private receipts	718	731	720	2,019	1,965	2,011	2,318	2,356	2,331
16	U.S. Government receipts				366	316	206	140	109	134
17	Compensation of employees	1	1	1	21	22	22	478	485	488
18	Imports of goods and services and income payments	-2,583	-2,369	-2,929	-99,795	-93,837	-106,795	-3,538	-4,154	-3,804
19	Imports of goods and services	-2,365	-2,254	-2,409	-92,342	-86,183	-98,925	-628	-1,109	-861
20	Goods, balance of payments basis ²	-1,607	-1,386	-1,672	-82,817	-76,164	-88,124			
21	Services ³	-758	-868	-737	-9,525	-10,019	-10,801	-628	-1,109	-861
22	Direct defense expenditures	-23	-24	-24	-1,539	-1,793	-1,976			
23	Travel	-272	-353	-294	-2,017	-2,534	-2,677			
24	Passenger fares	-172	-199	-126	-1,011	-1,123	-1,090			
25	Other transportation	-46	-57	-50	-2,963	-2,717	-3,099	-332	-273	-332
26	Royalties and license fees ⁵	-22	-20	-20	-70	-58	-61	-223	-752	-446
27	Other private services ⁵	-214	-206	-213	-1,740	-1,592	-1,701	-73	-83	-83
28	U.S. Government miscellaneous services	-9	-9	-10	-185	-202	-197		-1	
29	Income payments	-218	-115	-520	-7,453	-7,654	-7,870	-2,910	-3,045	-2,943
30	Income payments on foreign-owned assets in the United States	-212	-109	-515	-7,218	-7,416	-7,702	-2,910	-3,045	-2,943
31	Direct investment payments	20	104	-291	100	-142	-343	-1,807	-1,906	-1,720
32	Other private payments	-117	-116	-123	-1,702	-1,703	-1,769	-731	-769	-846
33	U.S. Government payments	-115	-97	-101	-5,616	-5,571	-5,590	-372	-370	-377
34	Compensation of employees	-6	-6	-5	-235	-238	-168			
35	Unilateral current transfers, net	-87	-77	-75	-5,317	-8,369	-4,774	-3,028	-1,810	-1,713
36	U.S. Government grants ⁴				-2,463	-5,015	-1,877	-214	-169	-151
37	U.S. Government pensions and other transfers	-12	-13	-12	-128	-128	-132	-1,556	-413	-130
38	Private remittances and other transfers ⁶	-75	-64	-63	-2,726	-3,226	-2,765	-1,258	-1,228	-1,432
Capital and financial account										
Capital account										
39	Capital account transactions, net	1	1	1	27	31	18			
Financial account										
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-1,453	-2,330	-1,646	-3,148	-8,254	-9,217	-3,624	-3,812	2,608
41	U.S. official reserve assets, net							-57	543	-1,714
42	Gold ⁷									
43	Special drawing rights							-140	-109	-107
44	Reserve position in the International Monetary Fund							83	652	-1,607
45	Foreign currencies									
46	U.S. Government assets, other than official reserve assets, net				86	88	155	-224	-304	-258
47	U.S. credits and other long-term assets				-618	-444	-161	-224	-304	-258
48	Repayments on U.S. credits and other long-term assets ⁸				676	535	301			
49	U.S. foreign currency holdings and U.S. short-term assets, net				28	-3	15			
50	U.S. private assets, net	-1,453	-2,330	-1,646	-3,234	-8,342	-9,372	-3,343	-4,051	4,580
51	Direct investment	228	-2,473	-312	-2,368	-5,210	-2,413	-3,700	-3,539	-3,739
52	Foreign securities	191	-202	-395	2,333	-385	1,577	239	403	110
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-468	-827		-915	-874		1		6,820
54	U.S. claims reported by U.S. banks, not included elsewhere	-1,404	1,172	-939	-2,284	-1,873	-8,536	117	-915	1,389
55	Foreign-owned assets in the United States, net (increase/financial inflow(+))	-905	5,481	1,137	16,417	21,864	28,061	10,065	3,016	38,719
56	Foreign official assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	8	13	
57	U.S. Government securities	(18)	(18)	(18)	(18)	(18)	(18)			
58	U.S. Treasury securities ⁹	(18)	(18)	(18)	(18)	(18)	(18)			
59	Other ¹⁰	(18)	(18)	(18)	(18)	(18)	(18)			
60	Other U.S. Government liabilities ¹¹	56	35	4	-326	-701	116	8	13	
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(18)	(18)	(18)			
62	Other foreign official assets ¹²	(18)	(18)	(18)	(18)	(18)	(18)			
63	Other foreign assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	10,057	3,003	38,719
64	Direct investment	-554	760	211	-777	-497	891	1,579	1,587	1,605
65	U.S. Treasury securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	-105	2,152	887	8,710	9,518	7,911	24	63	-257
67	U.S. currency							10,497	4,525	7,183
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	77	122		-587	268			30	23,961
69	U.S. liabilities reported by U.S. banks, not included elsewhere	18 -379	18 2,412	18 35	18 9,397	18 13,276	18 19,143	18 -2,043	18 -3,202	18 6,227
70	Statistical discrepancy (sum of above items with sign reversed)	82	-6,001	-2,258	36,338	32,217	32,800	-8,126	-1,545	-44,105
Memoranda:										
71	Balance on goods (lines 3 and 20)	1,078	1,444	1,548	-46,029	-41,301	-49,215			
72	Balance on services (lines 4 and 21)	367	286	519	3,225	4,635	2,876	824	295	579
73	Balance on goods and services (lines 2 and 19)	1,445	1,730	2,067	-42,804	-36,666	-46,339	824	295	579
74	Balance on income (lines 12 and 29)	917	1,196	774	-1,513	-823	-549	3,889	3,856	3,912
75	Unilateral current transfers, net (line 35)	-87	-77	-75	-5,317	-8,369	-4,774	-3,028	-1,810	-1,713
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	2,275	2,849	2,766	-49,634	-45,858	-51,662	1,685	2,341	2,778

^p Preliminary.^r Revised.

See footnotes on page D-57.

Source: Table 10 in "U.S. International Transactions, Second Quarter 2002" in the October issue of the SURVEY OF CURRENT BUSINESS.

Table F.4. Private Services Transactions

(Millions of dollars)

Line		2001	Not seasonally adjusted						Seasonally adjusted					
			2001				2002		2001				2002	
			I	II	III	IV	I ^r	II ^p	I	II	III	IV	I ^r	II ^p
1	Exports of private services	266,209	67,799	66,941	69,159	62,310	64,267	65,952	69,692	68,492	65,758	62,270	65,418	67,760
2	Travel (table 1, line 6).....	73,119	18,299	20,276	20,628	13,916	15,056	17,605	20,735	19,803	17,845	14,736	17,038	17,200
3	Passenger fares (table 1, line 7).....	18,007	4,639	4,788	5,100	3,480	3,842	4,156	5,007	4,849	4,522	3,629	4,171	4,209
4	Other transportation (table 1, line 8).....	28,306	7,163	7,168	7,308	6,667	6,523	7,022	7,495	7,170	6,968	6,674	6,805	7,027
5	Freight.....	11,930	3,047	3,000	2,925	2,958	2,884	3,043	3,094	2,990	2,937	2,910	2,931	3,035
6	Port services.....	16,376	4,116	4,168	4,383	3,709	3,639	3,979	4,401	4,180	4,031	3,764	3,874	3,992
7	Royalties and license fees (table 1, line 9).....	38,668	9,428	9,534	9,314	10,392	9,651	10,291	9,717	9,743	9,537	9,672	9,931	10,490
8	Affiliated.....	25,873	6,192	6,342	6,138	7,201	6,399	6,953	6,481	6,551	6,361	6,481	6,679	7,152
9	U.S. parents' receipts.....	23,502	5,688	5,868	5,669	6,277	6,020	6,508	5,908	5,968	5,827	5,799	6,258	6,615
10	U.S. affiliates' receipts.....	2,371	504	474	469	924	379	573	583	583	682	421	537	537
11	Unaffiliated.....	12,795	3,236	3,192	3,176	3,191	3,252	3,338	3,236	3,192	3,176	3,191	3,252	3,338
12	Industrial processes ¹	4,852	1,209	1,208	1,214	1,221	1,242	1,220	1,209	1,208	1,214	1,221	1,242	1,270
13	Other ²	7,943	2,027	1,984	1,962	1,970	2,009	2,068	2,027	1,984	1,962	1,970	2,009	2,068
14	Other private services (table 1, line 10).....	108,109	28,270	25,175	26,809	27,855	29,195	26,878	26,738	26,927	26,886	27,559	27,473	28,834
15	Affiliated services.....	36,243	8,657	8,637	8,713	10,236	8,508	9,182	8,824	8,969	9,043	9,408	9,638	9,564
16	U.S. parents' receipts.....	21,237	5,028	5,263	5,154	5,792	4,841	5,241	5,208	5,288	5,360	5,381	5,011	5,262
17	U.S. affiliates' receipts.....	15,006	3,629	3,374	3,559	4,444	3,667	3,941	3,616	3,681	3,683	4,027	3,627	4,302
18	Unaffiliated services.....	71,866	19,613	16,538	18,096	17,619	20,687	17,696	17,914	17,958	17,843	18,151	18,835	19,270
19	Education.....	11,493	4,549	1,433	3,104	2,407	4,996	1,571	2,760	2,831	2,922	2,980	3,052	3,123
20	Financial services.....	15,209	4,043	3,940	3,531	3,695	3,770	3,828	4,047	3,935	3,535	3,692	3,767	3,817
21	Insurance, net.....	18	129	-13	-18	-79	91	128	129	-13	-18	-79	91	128
22	Premiums received.....	8,658	2,122	2,137	2,224	2,175	2,204	2,304	2,122	2,137	2,224	2,175	2,204	2,304
23	Losses paid.....	8,640	1,993	2,150	2,242	2,176	2,113	2,176	1,993	2,150	2,242	2,254	2,113	2,176
24	Telecommunications.....	4,796	1,209	1,201	1,194	1,192	1,277	1,351	1,209	1,201	1,194	1,192	1,277	1,351
25	Business, professional, and technical services.....	25,720	6,144	6,352	6,566	6,658	6,817	6,939	6,144	6,352	6,566	6,658	6,817	6,939
26	Other unaffiliated services ³	14,630	3,539	3,625	3,718	3,747	3,736	3,880	3,625	3,652	3,643	3,709	3,831	3,913
27	Imports of private services	192,305	48,420	55,410	42,322	46,153	48,625	55,471	52,577	53,287	38,567	47,877	52,442	53,574
28	Travel (table 1, line 23).....	60,117	13,545	18,466	17,253	10,853	12,389	16,297	16,003	16,698	14,468	12,948	14,587	14,682
29	Passenger fares (table 1, line 24).....	22,418	5,237	6,763	6,571	3,847	4,609	5,635	5,810	6,213	5,944	4,451	5,113	5,126
30	Other transportation (table 1, line 25).....	38,823	10,064	10,057	9,608	9,094	8,457	9,631	10,521	10,130	9,178	8,997	8,858	9,747
31	Freight.....	25,667	6,756	6,626	6,191	6,094	5,585	6,222	7,094	6,681	5,878	6,015	5,881	6,522
32	Port services.....	13,156	3,308	3,431	3,417	3,000	2,872	3,209	3,427	3,449	3,300	2,982	2,977	3,225
33	Royalties and license fees (table 1, line 26).....	16,359	3,990	3,939	3,956	4,474	4,653	4,422	4,097	4,038	4,113	4,110	4,764	4,522
34	Affiliated.....	13,008	3,190	3,112	3,105	3,601	3,240	3,272	3,297	3,211	3,262	3,237	3,351	3,372
35	U.S. parents' payments.....	2,026	497	494	517	518	507	581	497	494	517	518	507	581
36	U.S. affiliates' payments.....	10,982	2,693	2,618	2,588	3,083	2,733	2,691	2,800	2,717	2,745	2,719	2,844	2,791
37	Unaffiliated.....	3,351	800	827	851	873	1,413	1,150	800	827	851	873	1,413	1,150
38	Industrial processes ¹	1,815	439	448	458	470	483	497	439	448	458	470	483	497
39	Other ²	1,536	361	379	393	403	931	654	361	379	393	403	931	654
40	Other private services (table 1, line 27).....	54,588	15,584	16,185	4,934	17,885	18,517	19,486	16,146	16,208	4,864	17,371	19,120	19,497
41	Affiliated services.....	28,410	6,492	6,934	7,178	7,806	7,056	7,180	6,935	6,958	7,273	7,244	7,529	7,196
42	U.S. parents' payments.....	13,467	3,183	3,341	3,311	3,632	2,977	3,439	3,417	3,372	3,384	3,294	3,194	3,477
43	U.S. affiliates' payments.....	14,943	3,309	3,593	3,867	4,174	4,079	3,741	3,518	3,586	3,889	3,950	4,335	3,719
44	Unaffiliated services.....	26,178	9,092	9,251	-2,244	10,079	11,461	12,306	9,211	9,250	-2,409	10,127	11,591	12,301
45	Education.....	2,378	449	591	777	561	499	657	568	590	612	608	630	652
46	Financial services.....	4,016	1,146	1,084	882	904	974	1,010	1,146	1,084	882	904	974	1,010
47	Insurance, net.....	4,906	3,818	3,859	-7,640	4,869	6,177	6,738	3,818	3,859	-7,640	4,869	6,177	6,738
48	Premiums paid.....	39,895	9,068	9,542	10,130	11,155	12,510	13,142	9,068	9,542	10,130	11,155	12,510	13,142
49	Losses recovered.....	34,989	5,250	5,684	17,770	6,286	6,333	6,403	5,250	5,684	17,770	6,286	6,333	6,403
50	Telecommunications.....	4,298	1,185	1,111	1,038	965	950	978	1,185	1,111	1,038	965	950	978
51	Business, professional, and technical services.....	10,040	2,367	2,474	2,562	2,638	2,714	2,773	2,367	2,474	2,562	2,638	2,714	2,773
52	Other unaffiliated services ³	540	127	132	138	143	147	149	127	132	138	143	147	149
53	Memoranda:													
54	Balance on goods (table 1, line 71).....	-427,165	-105,864	-102,816	-114,226	-104,259	-97,369	-117,679	-113,032	-107,719	-105,751	-100,663	-106,424	-122,640
55	Balance on private services (line 1 minus line 27).....	73,904	-86,485	-91,285	-87,389	-88,102	-81,727	-107,198	-95,917	-92,514	-78,560	-86,270	-93,448	-108,454

^p Preliminary.

^r Revised.

1. Includes royalties, license fees, and other fees associated with the use of intangible assets, including patents, trade secrets, and other proprietary rights, that are used in connection with the production of goods.

2. Includes royalties, license fees, and other fees associated with the use of copyrights, trademarks, franchises, rights to

broadcast live events, software licensing fees, and other intangible property rights.

3. Other unaffiliated services receipts (exports) include mainly expenditures of foreign governments and international organizations in the United States and film and television tape rentals. Payments (imports) include mainly expenditures of U.S. residents temporarily working abroad and film and television tape rentals.

Source: Table 3 in "U.S. International Transactions, Second Quarter 2002" in the October 2002 issue of the Survey of Current Business.

Footnotes to Tables F.2. and F.3.

Footnotes to Tables F.2 and F.3:

1. Credits, +: Exports of goods and services and income receipts; unilateral current transfers to the United States; capital account transactions receipts; financial inflows—increase in foreign-owned assets (U.S. liabilities) or decrease in U.S.-owned assets (U.S. claims).

Debits, -: Imports of goods and services and income payments; unilateral current transfers to foreigners; capital account transactions payments; financial outflows—decrease in foreign-owned assets (U.S. liabilities) or increase in U.S.-owned assets (U.S. claims).

2. Excludes exports of goods under U.S. military agency sales contracts identified in Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to balance of payments basis; see table 2.

3. Includes some goods: Mainly military equipment in line 5; major equipment, other materials, supplies, and petroleum products purchased abroad by U.S. military agencies in line 22; and fuels purchased by airline and steamship operators in lines 8 and 25.

4. Includes transfers of goods and services under U.S. military grant programs.

5. Beginning in 1982, these lines are presented on a gross basis. The definition of exports is revised to exclude U.S. parents' payments to foreign affiliates and to include U.S. affiliates' receipts from foreign parents. The definition of imports is revised to include U.S. parents' payments to foreign affiliates and to exclude U.S. affiliates' receipts from foreign parents.

6. Beginning in 1982, the "other transfers" component includes taxes paid by U.S. private residents to foreign governments and taxes paid by private nonresidents to the U.S. Government.

7. At the present time, all U.S. Treasury-owned gold is held in the United States.

8. Includes sales of foreign obligations to foreigners.

9. Consists of bills, certificates, marketable bonds and notes, and nonmarketable convertible and nonconvertible bonds and notes.

10. Consists of U.S. Treasury and Export-Import Bank obligations, not included elsewhere, and of debt securities of U.S. Government corporations and agencies.

11. Includes, primarily, U.S. Government liabilities associated with military agency sales contracts and other transactions arranged with or through foreign official agencies; see table 4.

12. Consists of investments in U.S. corporate stocks and in debt securities of private corporations and State and local governments.

13. Conceptually, line 76 is equal to "net foreign investment" in the national income and product accounts (NIPAs). However, the foreign transactions account in the NIPAs (a) includes adjustments to the international transactions accounts for the treatment of gold, (b) includes adjustments for the different geographical treatment of transactions with U.S. territories and Puerto Rico, and (c) includes services furnished without payment by financial pension plans except life insurance carriers and private noninsured pension plans. A reconciliation of the balance on goods and services from the international accounts and the NIPA net exports appears in reconciliation table 2 in appendix A in this issue of the Survey of Current Business. A reconciliation of the other foreign transactions in the two sets of accounts appears in table 4.5 of the full set of NIPA tables in the August issue of the Survey.

Additional footnotes to Table F.3:

14. The "European Union" includes the "European Union (6)," United Kingdom, Denmark, Ireland, Greece, Spain, and Portugal. Beginning with the first quarter of 1995, the "European Union" also includes Austria, Finland, and Sweden.

15. The "European Union (6)" includes Belgium, France, Germany (includes the former German Democratic Republic (East Germany) beginning in the fourth quarter of 1990), Italy, Luxembourg, Netherlands, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank.

16. Includes, as part of international and unallocated, the estimated direct investment in foreign affiliates engaged in international shipping, in operating oil and gas drilling equipment internationally, and in petroleum trading. Also includes taxes withheld; current-cost adjustments associated with U.S. and foreign direct investment; before 1996, small transactions in business services that are not reported by country; and net U.S. currency flows, for which geographic source data are not available.

17. Details are not shown separately; see totals in lines 56 and 63.

18. Details not shown separately are included in line 69.

G. Investment Tables

Table G.1. International Investment Position of the United States at Yearend, 2000 and 2001

[Millions of dollars]

Line	Type of investment	Position, 2000 ^r	Changes in position in 2001 (decrease (-))				Total (a+b+c+d)	Position, 2001 ^p
			Attributable to:					
			Financial flows	Valuation adjustments				
				Price changes	Exchange rate changes ¹	Other changes ²		
(a)	(b)	(c)	(d)	(a+b+c+d)				
Net international investment position of the United States:								
1	With direct investment positions at current cost (line 3 less line 24)	-1,350,791	-381,845	-116,510	-103,402	4,414	-597,343	-1,948,134
2	With direct investment positions at market value (line 4 less line 25)	-1,583,153	-381,845	-215,482	-145,572	16,935	-725,964	-2,309,117
U.S.-owned assets abroad:								
3	With direct investment positions at current cost (lines 5+10+15)	6,191,934	370,962	-258,272	-124,662	16,177	4,205	6,196,139
4	With direct investment positions at market value (lines 5+10+16)	7,350,862	370,962	-715,843	-163,854	20,816	-487,919	6,862,943
5	U.S. official reserve assets	128,400	4,911	536	-3,879	-7	1,561	129,961
6	Gold	71,799	.....	³ 536	.....	⁴ -7	529	72,328
7	Special drawing rights	10,539	630	.....	-386	.....	244	10,783
8	Reserve position in the International Monetary Fund	14,824	3,600	.....	-555	.....	3,045	17,869
9	Foreign currencies	31,238	681	.....	-2,938	.....	-2,257	28,981
10	U.S. Government assets, other than official reserve assets	85,164	486	.....	.....	.....	486	85,650
11	U.S. credits and other long-term assets ⁵	82,570	558	.....	.....	.....	558	83,128
12	Repayable in dollars	82,289	561	.....	.....	.....	561	82,850
13	Other ⁶	281	-3	.....	.....	.....	-3	278
14	U.S. foreign currency holdings and U.S. short-term assets	2,594	-72	.....	.....	.....	-72	2,522
U.S. private assets:								
15	With direct investment at current cost (lines 17+19+22+23)	5,978,370	365,565	-258,808	-120,783	16,184	2,158	5,980,528
16	With direct investment at market value (lines 18+19+22+23)	7,137,298	365,565	-716,379	-159,975	20,823	-489,966	6,647,332
Direct investment abroad:								
17	At current cost	1,515,279	127,840	19,533	-17,713	-21,817	107,843	1,623,122
18	At market value	2,674,207	127,840	-438,038	-56,905	-17,178	-384,281	2,289,926
19	Foreign securities	2,389,427	94,662	-278,341	-95,228	.....	-278,907	2,110,520
20	Bonds	557,019	-12,147	18,214	-17,304	.....	-11,237	545,782
21	Corporate stocks	1,832,408	106,809	-296,555	-77,924	.....	-267,670	1,564,738
22	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	821,564	14,358	.....	-5,811	.....	8,547	830,111
23	U.S. claims reported by U.S. banks, not included elsewhere	1,252,100	128,705	.....	-2,031	38,001	164,675	1,416,775
Foreign-owned assets in the United States:								
24	With direct investment at current cost (lines 26+33)	7,542,725	752,807	-141,762	-21,260	11,763	601,548	8,144,273
25	With direct investment at market value (lines 26+34)	8,934,015	752,807	-500,361	-18,282	3,881	238,045	9,172,060
26	Foreign official assets in the United States	1,008,890	5,225	1,623	.....	6,000	12,848	1,021,738
27	U.S. Government securities	749,904	31,666	11,274	.....	6,000	48,940	798,844
28	U.S. Treasury securities	625,161	10,745	8,796	.....	6,001	25,542	650,703
29	Other	124,743	20,921	2,478	.....	-1	23,398	148,141
30	Other U.S. Government liabilities ⁷	13,739	-1,882	.....	.....	.....	-1,882	11,857
31	U.S. liabilities reported by U.S. banks, not included elsewhere	153,403	-30,278	.....	.....	.....	-30,278	123,125
32	Other foreign official assets	91,844	5,719	-9,651	.....	.....	-3,932	87,912
Other foreign assets:								
33	With direct investment at current cost (lines 35+37+38+41+42+43)	6,533,835	747,582	-143,385	-21,260	5,763	588,700	7,122,535
34	With direct investment at market value (lines 36+37+38+41+42+43)	7,925,125	747,582	-501,984	-18,282	-2,119	225,197	8,150,322
Direct investment in the United States:								
35	At current cost	1,374,752	130,796	14,214	-2,978	-17,860	124,172	1,498,924
36	At market value	2,766,042	130,796	-344,385	.....	-25,742	-239,331	2,526,711
37	U.S. Treasury securities	400,966	-7,670	4,719	.....	-9,241	-12,192	388,774
38	U.S. securities other than U.S. Treasury securities	2,623,628	407,653	-162,318	-12,309	.....	233,026	2,856,654
39	Corporate and other bonds	1,075,988	288,200	40,741	-12,309	.....	316,632	1,392,620
40	Corporate stocks	1,547,640	119,453	-203,059	.....	.....	-83,606	1,464,034
41	U.S. currency	251,786	23,783	.....	.....	.....	23,783	275,569
42	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	729,340	82,353	.....	-2,140	-5,136	75,077	804,417
43	U.S. liabilities reported by U.S. banks, not included elsewhere	1,153,363	110,667	.....	-3,833	38,000	144,834	1,298,197

^p Preliminary.^r Revised.

1. Represents gains or losses on foreign-currency-denominated assets due to their revaluation at current exchange rates.

2. Includes changes in coverage, statistical discrepancies, and other adjustments to the value of assets.

3. Reflects changes in the value of the official gold stock due to fluctuations in the market price of gold.

4. Reflects changes in gold stock from U.S. Treasury sales of gold medallions and commemorative and bullion coins; also reflects replenishment through open market purchases. These demonetizations/monetizations are not included in international transactions financial flows.

5. Also includes paid-in capital subscriptions to international financial institutions and resources provided to foreigners under foreign assistance programs requiring repayment over several years. Excludes World War I debts that are not being serviced.

6. Includes indebtedness that the borrower may contractually, or at its option, repay with its currency, with a third country's currency, or by delivery of materials or transfer of services.

7. Primarily U.S. Government liabilities associated with military sales contracts and other transactions arranged with or through foreign official agencies.

Source: Table 1 in "The International Investment Position of the United States at Yearend 2001" in the July 2002 issue of the SURVEY OF CURRENT BUSINESS.

Table G.2. U.S. Direct Investment Abroad: Selected Items, by Country and by Industry of Foreign Affiliate, 1999-2001

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital outflows (inflows (-))			Income		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
All countries, all industries	1,173,122	1,293,431	1,381,674	174,576	164,969	113,977	112,359	135,109	111,089
By country									
Canada	111,747	128,814	139,031	18,122	18,950	14,440	12,103	14,688	11,773
Europe	611,958	679,457	725,793	99,224	92,427	56,133	57,704	66,523	55,667
<i>Of which:</i>									
France	39,960	38,752	38,457	512	2,011	655	1,386	2,404	1,920
Germany	48,445	50,963	61,437	4,268	3,099	11,360	4,621	4,588	2,690
Netherlands	110,321	117,557	131,884	8,253	2,953	16,058	12,598	11,858	13,417
Switzerland	44,499	55,854	62,897	8,407	9,959	6,629	7,098	7,025	7,576
United Kingdom	228,574	241,663	249,201	47,839	35,763	13,231	14,915	20,655	12,051
Latin America and Other Western Hemisphere	237,748	251,863	269,556	34,277	23,442	26,510	19,636	18,703	18,718
<i>Of which:</i>									
Bermuda	51,613	56,594	61,929	7,786	6,532	5,865	4,373	6,036	5,045
Brazil	37,383	39,033	36,317	3,484	3,091	-17	1,511	1,579	756
Mexico	32,888	37,332	52,168	5,978	5,302	15,078	4,448	4,371	4,409
Panama	33,143	29,316	25,296	2,259	1,231	753	2,365	501	452
Africa	13,621	14,417	15,872	498	1,151	798	1,876	2,675	2,063
Middle East	10,712	11,087	12,643	5	1,635	1,269	1,180	2,254	1,314
Asia and Pacific	184,313	205,317	216,501	21,890	27,333	15,012	19,927	29,983	21,153
<i>Of which:</i>									
Australia	34,743	35,364	34,041	3,244	2,421	-423	2,472	3,586	1,690
Japan	56,393	59,441	64,103	9,449	6,279	5,474	4,749	7,805	5,683
International	3,024	2,476	2,278	560	31	-184	-68	282	402
By industry									
Petroleum	90,493	95,834	102,074	9,481	10,594	12,668	10,174	18,667	13,866
Manufacturing	306,156	353,550	376,259	34,939	58,049	36,381	33,213	38,965	28,806
Food and kindred products	34,225	35,933	35,496	1,359	2,913	1,692	3,821	3,868	4,029
Chemicals and allied products	81,656	100,872	108,663	7,346	16,462	10,800	9,250	9,882	10,355
Primary and fabricated metals	18,328	18,773	21,488	1,088	633	2,895	1,381	1,631	1,211
Industrial machinery and equipment	35,337	41,199	52,392	6,393	7,305	12,039	4,445	6,652	4,940
Electronic and other electric equipment	36,996	49,065	48,391	3,940	16,156	905	3,679	5,683	2,768
Transportation equipment	36,045	40,052	39,142	6,687	7,159	578	4,416	3,613	612
Other manufacturing	63,569	67,656	70,687	8,126	7,420	7,473	6,220	7,637	4,890
Wholesale trade	74,215	83,724	92,836	6,413	12,434	9,289	10,837	12,524	12,093
Depository institutions	38,365	38,071	49,319	533	-2,221	9,925	856	1,826	2,520
Finance, (except depository institutions), insurance, and real estate	498,468	542,641	572,545	86,419	54,147	34,983	45,906	52,938	46,135
Services	72,054	80,144	86,491	14,473	10,785	7,513	8,050	8,912	6,817
Other industries	93,371	99,469	102,150	22,318	21,182	3,217	3,323	1,277	854

NOTE: In this table, unlike in the international transactions accounts, income and capital outflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 16 and 17 in "U.S. Direct Investment Abroad: Detail for Historical-Cost Position and Related Capital and Income Flows, 2001" in the September 2002 issue of the SURVEY OF CURRENT BUSINESS.

Table G.3. Selected Financial and Operating Data for Nonbank Foreign Affiliates of U.S. Companies by Country and by Industry of Affiliate, 2000

	All nonbank affiliates						Majority-owned nonbank foreign affiliates (MOFA's)						
	Millions of dollars					Thousands of employees	Millions of dollars						Thousands of employees
	Total assets	Sales	Net income	U.S. exports of goods shipped to affiliates	U.S. imports of goods shipped by affiliates		Total assets	Sales	Net income	Gross product	U.S. exports of goods shipped to MOFA's	U.S. imports of goods shipped by MOFA's	
All countries, all industries.....	5,260,182	2,891,497	209,605	203,007	215,300	9,606.9	4,647,439	2,486,855	191,115	605,888	195,951	201,374	8,064.7
By country													
Canada.....	428,185	366,701	18,897	61,511	82,226	1,145.4	376,574	328,026	16,712	72,398	59,508	77,827	1,038.7
Europe.....	3,046,124	1,438,611	113,288	51,783	38,244	4,095.8	2,840,082	1,302,959	105,202	333,375	50,816	36,594	3,687.9
<i>Of which:</i>													
France.....	186,053	137,511	3,307	(D)	3,391	586.3	163,929	124,751	3,445	35,754	5,005	3,124	544.0
Germany.....	300,512	236,095	9,806	8,590	4,488	657.8	258,561	200,192	8,347	54,819	8,535	4,467	605.2
Netherlands.....	361,574	145,337	17,345	7,611	(D)	197.0	343,897	126,261	15,735	23,371	7,572	1,770	169.0
United Kingdom.....	1,315,404	413,467	29,948	(D)	10,848	1,266.6	1,272,450	397,179	29,590	110,643	13,340	10,842	1,185.7
Latin America and Other Western Hemisphere	797,682	360,845	37,864	41,708	47,582	2,006.8	656,101	295,893	33,412	70,401	40,277	45,111	1,583.8
<i>Of which:</i>													
Brazil.....	137,776	80,024	3,341	3,722	(D)	403.6	100,130	61,895	2,998	19,413	3,650	2,182	343.5
Mexico.....	114,653	123,970	6,162	32,000	38,957	1,048.1	86,056	99,466	5,321	20,180	31,017	37,408	804.4
Africa.....	59,118	43,595	4,436	831	(D)	237.7	44,127	34,726	3,709	13,877	771	1,972	127.0
Middle East.....	54,491	33,111	4,185	1,068	1,831	94.1	21,578	16,131	2,166	6,910	857	1,831	64.7
Asia and Pacific.....	874,581	648,635	30,937	46,106	(D)	2,027.0	708,976	509,119	29,913	108,927	43,722	38,039	1,562.5
<i>Of which:</i>													
Australia.....	116,562	69,807	3,619	4,228	(D)	324.0	103,055	56,605	3,497	18,646	4,100	1,216	257.4
Japan.....	342,967	240,240	4,813	15,281	7,188	432.2	257,953	159,593	5,979	36,277	13,815	2,627	233.7
By industry													
Mining.....	226,750	103,583	21,088	1,335	8,316	157.6	198,715	92,211	18,487	60,060	1,034	7,585	136.7
Utilities.....	163,071	66,065	4,558	9	13	105.8	102,414	39,624	2,767	10,839	3	11	57.7
Manufacturing.....	1,176,742	1,380,870	65,861	143,189	186,356	5,067.4	996,919	1,197,293	61,830	317,339	137,960	173,295	4,352.5
<i>Of which:</i>													
Food.....	68,547	94,095	3,618	2,338	3,479	406.2	61,536	84,377	3,372	19,139	2,258	3,402	355.6
Chemicals.....	261,128	225,477	19,791	19,091	14,502	620.4	228,750	200,982	17,955	58,200	17,962	13,889	559.2
Primary and fabricated metals.....	64,704	49,753	2,321	4,110	4,857	269.4	58,134	43,213	2,155	13,249	3,907	4,660	245.9
Machinery.....	74,811	79,741	3,017	7,506	8,200	389.6	60,548	64,429	2,949	18,035	7,101	7,126	343.6
Computer and electronic products.....	175,761	227,081	12,056	35,555	46,899	816.9	168,785	222,380	12,134	41,886	35,268	46,065	777.1
Electrical equipment, appliances, and components.....	28,900	31,024	1,333	3,434	4,123	272.1	25,370	27,341	1,223	7,350	3,317	3,529	232.0
Transportation equipment.....	194,785	308,096	5,424	57,144	86,907	982.0	156,162	256,286	6,624	48,851	54,817	77,984	872.4
Wholesale trade.....	382,980	668,048	26,924	50,106	17,909	717.8	365,091	629,051	26,130	87,025	48,977	17,847	669.1
Information.....	283,101	153,265	4,445	863	220	698.8	119,966	76,042	307	22,364	846	220	333.0
Finance (except depository institutions) and insurance.....	1,841,581	207,633	24,502	4	0	343.7	1,770,932	194,933	24,007	23,307	4	0	309.8
Professional, scientific, and technical services	121,023	85,531	6,698	2,032	(D)	450.8	118,038	81,458	6,576	33,050	2,029	844	422.9
Other industries.....	1,064,934	226,501	55,529	5,469	(D)	2,065.1	975,364	176,243	51,012	51,904	5,097	1,572	1,782.9

D Suppressed to avoid disclosure of data of individual companies.

the SURVEY OF CURRENT BUSINESS.

Note: The data in this table are from "U.S. Multinational Companies: Operations in 2000" in the December 2002 issue of

Table G.4. Foreign Direct Investment in the United States: Selected Items, by Country of Foreign Parent and by Industry of U.S. Affiliate, 1999-2001
[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital inflows (outflows (-))			Income		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
All countries, all industries.....	955,726	1,214,254	1,321,063	283,376	300,912	124,435	46,385	52,465	15,965
By country									
Canada.....	90,559	114,599	108,600	26,367	26,036	4,627	2,215	1,057	-7,736
Europe.....	639,923	835,137	946,758	223,406	238,740	118,059	36,753	41,511	26,043
<i>Of which:</i>									
France.....	89,945	131,484	147,207	29,834	49,436	14,676	2,954	3,930	7,663
Germany.....	112,126	124,839	152,760	23,478	14,290	28,015	6,123	2,390	-6,273
Luxembourg.....	35,644	53,794	40,232	6,887	25,230	-13,801	2,241	4,672	3,172
Netherlands.....	125,010	146,493	158,020	41,689	32,599	15,171	7,299	8,990	4,368
Switzerland.....	52,973	69,240	125,521	2,503	16,697	51,959	2,844	4,113	1,816
United Kingdom.....	153,797	213,820	217,746	108,566	75,654	14,226	11,899	14,046	11,823
Latin America and Other Western Hemisphere.....	40,771	54,463	58,881	16,929	12,253	954	2,397	2,407	-1,399
<i>Of which:</i>									
Bermuda.....	14,798	18,502	15,748	10,338	2,523	-3,223	41	-457	-1,602
Mexico.....	1,999	7,832	7,418	1,273	5,266	-84	175	-98	-1,070
Panama.....	5,275	3,726	4,199	-226	-1,477	449	752	647	480
United Kingdom Islands, Caribbean.....	11,573	15,353	18,244	4,137	3,865	3,966	1,527	1,829	118
Africa.....	1,361	2,756	3,264	423	652	407	-66	6	-193
Middle East.....	4,362	6,189	6,039	376	2,142	-159	156	259	311
Asia and Pacific.....	178,749	201,110	197,522	15,876	21,088	547	4,931	7,225	-1,060
<i>Of which:</i>									
Australia.....	15,616	20,701	23,488	4,193	5,963	3,649	643	1,074	-918
Japan.....	153,815	163,577	158,988	11,555	7,773	-1,550	4,006	5,825	169
By industry									
Petroleum.....	51,231	87,055	95,922	4,778	44,869	10,308	4,510	11,435	8,971
Manufacturing.....	385,253	479,851	508,535	69,851	100,693	29,246	24,674	23,860	3,177
Food and kindred products.....	18,864	23,975	23,847	-1,460	5,293	-233	1,570	1,792	1,051
Chemicals and allied products.....	97,009	122,446	127,139	7,562	26,196	3,062	6,317	5,906	4,472
Primary and fabricated metals.....	19,778	24,741	25,683	1,839	9,057	-965	1,083	1,320	802
Machinery.....	92,038	151,237	166,198	39,483	40,040	14,695	2,181	6,847	-6,444
Other manufacturing.....	157,564	157,453	165,668	22,428	20,107	12,687	13,524	7,996	3,297
Wholesale trade.....	100,251	110,286	112,997	16,195	11,320	1,855	5,813	7,016	5,549
Retail trade.....	24,199	29,666	35,811	4,156	5,243	7,245	1,641	1,677	816
Depository institutions.....	61,756	68,128	78,094	19,326	9,672	8,427	2,994	3,948	3,370
Finance, except depository institutions.....	65,453	84,383	85,990	17,964	19,957	6,414	816	399	-5,921
Insurance.....	83,760	112,482	120,400	23,026	34,562	8,496	2,963	4,767	3,183
Real estate.....	40,209	42,682	44,163	2,492	998	1,873	1,075	2,291	1,095
Services.....	64,335	109,504	125,660	21,675	60,539	14,718	1,873	-920	-1,853
Other industries.....	79,281	90,219	113,491	103,913	13,058	35,853	25	-2,008	-2,422

NOTE: In this table, unlike in the international transactions accounts, income and capital inflows are shown without a current-cost adjustment, and income is shown net of withholding taxes. In addition, unlike in the international investment position, the direct investment position is valued at historical cost.

The data in this table are from tables 16 and 17 in "Foreign Direct Investment in the United States: Detail for Historical-Cost Position and Related Capital and Income Flows, 2001" in the September 2002 issue of the SURVEY OF CURRENT BUSINESS.

Table G.5. Selected Financial and Operating Data of Nonbank U.S. Affiliates and Majority-Owned Nonbank U.S. Affiliates of Foreign Companies by Country of Ultimate Beneficial Owner and by Industry of Affiliate, 2000

	All nonbank affiliates							Majority-owned nonbank affiliates						
	Millions of dollars				Thousands of employees	Millions of dollars		Millions of dollars				Thousands of employees	Millions of dollars	
	Total assets	Sales	Net income	Gross product		U.S. exports of goods shipped by affiliates	U.S. imports of goods shipped to affiliates	Total assets	Sales	Net income	Gross product		U.S. exports of goods shipped by affiliates	U.S. imports of goods shipped to affiliates
All countries, all industries	4,847,267	2,334,692	30,641	522,238	6,429.2	165,321	366,647	4,180,503	2,053,022	22,086	449,396	5,562.6	151,521	348,741
By country														
Canada.....	434,177	168,457	-3,670	40,514	643.0	9,019	19,509	416,420	159,257	-3,792	36,272	555.2	8,859	19,365
Europe.....	3,274,267	1,420,093	27,465	349,863	4,361.9	89,063	145,037	3,020,496	1,247,041	22,226	301,085	3,815.7	81,543	139,222
<i>Of which:</i>														
France.....	469,643	193,135	2,516	57,762	648.8	15,194	16,294	390,343	144,432	2,765	38,854	401.0	(D)	(D)
Germany.....	572,565	320,249	3,186	57,995	729.8	32,770	53,080	558,092	308,197	2,730	54,033	691.4	32,167	52,740
Netherlands.....	582,054	254,092	4,965	46,620	561.4	7,498	21,895	560,755	(D)	(D)	42,641	546.9	7,214	21,827
Sweden.....	66,738	42,435	-214	11,096	234.2	4,003	(D)	66,068	41,520	-186	10,724	225.5	3,982	4,696
Switzerland.....	695,092	132,392	2,513	39,924	554.0	6,004	8,540	671,046	120,011	2,154	34,015	429.0	5,917	8,373
United Kingdom.....	734,634	363,251	14,877	111,871	1,189.9	16,970	25,105	637,335	331,175	12,270	100,143	1,102.8	16,303	24,701
Latin America and Other Western Hemisphere.....	146,009	105,033	-599	26,597	275.8	9,272	20,978	136,603	95,183	-813	25,073	262.1	8,998	17,488
<i>Of which:</i>														
Bermuda.....	60,491	35,792	-762	11,872	135.7	(D)	1,597	58,264	35,179	-715	11,796	132.2	(D)	1,592
Mexico.....	19,507	16,278	46	2,952	57.2	(D)	3,291	18,080	14,977	110	2,759	53.8	(D)	(D)
Panama.....	1,679	1,238	18	524	6.8	126	109	1,563	1,170	6	498	6.7	126	109
United Kingdom Islands, Caribbean.....	39,199	9,576	-360	1,673	34.1	(D)	1,947	38,679	9,298	-348	1,584	32.3	(D)	1,947
Venezuela.....	13,297	29,800	656	6,480	8.3	403	10,590	(D)	(D)	(D)	(D)	H	(D)	(D)
Africa.....	11,758	6,449	181	1,322	14.2	474	269	(D)	(D)	(D)	1,283	14.0	(D)	266
Middle East.....	29,912	16,011	568	3,150	50.9	802	1,846	27,434	14,301	489	2,434	38.1	789	1,758
Asia and Pacific.....	705,084	576,943	1,072	89,282	1,019.5	54,686	177,721	557,549	513,157	3,868	77,928	848.2	48,943	169,450
<i>Of which:</i>														
Australia.....	69,095	31,948	-643	9,319	83.3	1,428	1,438	60,519	25,605	-741	7,909	69.6	(D)	(D)
Japan.....	558,934	477,831	4,316	72,041	826.8	44,130	151,368	445,551	429,732	5,015	62,241	699.9	40,894	147,125
United States.....	246,060	41,707	5,625	11,510	63.9	2,004	1,287	(D)	(D)	(D)	5,320	29.4	(D)	1,192
By industry ¹														
Manufacturing.....	1,108,046	979,597	11,796	237,032	2,658.3	101,248	149,875	1,000,442	852,164	10,985	217,358	2,441.9	91,048	134,932
<i>Of which:</i>														
Food.....	45,143	47,388	302	11,018	147.6	2,467	4,398	44,099	45,567	296	10,631	140.8	2,374	4,377
Chemicals.....	257,094	160,496	3,887	44,832	386.8	15,528	16,388	238,314	145,362	3,195	40,821	356.7	14,295	16,099
Primary and fabricated metals.....	65,699	66,282	1,244	17,282	219.2	4,930	7,719	57,252	57,196	669	15,069	204.9	4,125	6,830
Machinery.....	66,528	54,207	-885	15,506	230.6	6,735	7,849	64,744	52,612	-36	15,323	223.6	6,545	7,375
Computers and electronic products.....	173,303	129,225	-4,847	28,705	337.4	19,329	37,731	137,673	117,587	-3,755	27,229	305.3	14,645	30,463
Electrical equipment, appliances, and components.....	66,099	60,221	280	19,878	284.4	8,717	4,284	65,680	59,765	254	19,737	282.7	8,583	4,231
Transportation equipment.....	199,695	205,220	3,890	35,016	390.8	30,731	46,806	192,444	193,099	3,519	32,278	358.3	29,213	(D)
Wholesale trade.....	407,715	637,978	14,530	86,444	574.4	57,844	207,041	398,811	616,015	13,683	82,849	543.7	54,431	204,816
Retail trade.....	74,259	114,977	-279	24,676	674.4	1,535	(D)	60,826	102,648	163	22,346	603.5	(D)	(D)
Information.....	318,489	121,684	-4,387	41,878	408.9	709	240	169,464	69,125	-4,050	19,959	242.8	687	161
<i>Of which:</i>														
Publishing industries.....	71,021	35,582	98	13,764	139.2	(D)	127	(D)	30,415	-385	10,695	122.8	(D)	(D)
Broadcasting and telecommunications.....	165,541	59,205	-3,848	21,895	178.4	5	(D)	38,335	13,517	-3,692	2,837	35.1	(*)	1
Finance (except depository institutions) and insurance.....	2,472,481	243,337	10,543	41,433	291.8	(*)	5	2,162,327	211,823	3,396	33,260	252.0	(*)	5
Real estate and rental and leasing.....	122,797	25,691	1,331	10,936	49.5	(D)	649	110,543	22,589	1,069	9,418	38.7	(D)	649
Professional, scientific, and technical services.....	51,405	32,241	-1,135	9,672	148.9	366	336	46,919	29,665	-634	9,038	133.4	356	336
Other industries.....	292,075	179,186	-1,759	70,167	1,623.1	(D)	(D)	231,172	148,994	-2,527	55,169	1,306.7	3,242	(D)

D Suppressed to avoid disclosure of data of individual companies.

* Less than \$500,000.

1. The industry classification system used to classify the data for U.S. affiliates is based on the North American Industry Classification System. Prior to 1997, the affiliate data were classified using an industry classification system based on the Standard Industrial Classification system.

NOTES: The data in this table are from BEA's annual survey of the operations of U.S. affiliates of foreign companies; see "U.S. Affiliates of Foreign Companies: Operations in 2000," in the August 2002 issue of the SURVEY OF CURRENT BUSINESS.

Size ranges are given in employment cells that are suppressed. The size ranges are: A—1 to 499; F—500 to 999; G—1,000 to 2,499; H—2,500 to 4,999; I—5,000 to 9,999; J—10,000 to 24,999; K—25,000 to 49,999; L—50,000 to 99,999; M—100,000 or more.

H. International Perspectives

The quarterly data in this table are shown in the middle month of the quarter.

Table H.1. International Perspectives

	2000	2001	2001					2002								
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
Exchange rates per U.S. dollar (not seasonally adjusted) ¹																
Canada (Can.\$/US\$).....	1.4855	1.5490	1.5399	1.5679	1.5717	1.5922	1.5788	1.5997	1.5964	1.5877	1.5815	1.5502	1.5318	1.5456	1.5694	1.5761
Euro area (US\$/Euro) ²	0.9234	0.8955	0.9014	0.9114	0.9050	0.8883	0.8912	0.8832	0.8707	0.8766	0.8860	0.9170	0.9561	0.9935	0.9781	0.9806
Japan (¥/US\$).....	1.0782	1.2152	1.2137	1.1861	1.2145	1.2241	1.2759	1.3268	1.3364	1.3106	1.3077	1.2638	1.2329	1.1790	1.1899	1.2108
Mexico (Peso/US\$).....	9.4590	9.3408	9.1330	9.4250	9.3390	9.2250	9.1570	9.164	9.1050	9.0640	9.1650	9.5100	9.7670	9.7790	9.8390	10.0710
United Kingdom (US\$/£).....	1.5159	1.4401	1.4372	1.4638	1.4501	1.4356	1.4413	1.4322	1.4227	1.4230	1.4429	1.4598	1.4837	1.5565	1.5368	1.5563
Addendum: Exchange value of the U.S. dollar ³	119.67	126.09	125.62	125.97	126.86	127.33	127.52	129.26	130.03	129.27	128.95	127.35	125.96	124.20	125.64	126.67
Unemployment rates (percent, monthly data seasonally adjusted)																
Canada.....	6.8	7.2	7.3	7.2	7.4	7.6	8.0	7.9	7.9	7.7	7.6	7.7	7.5	7.6	7.5	7.7
France.....	9.5	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.0
Germany.....	9.6	9.4	9.3	9.4	9.4	9.5	9.5	9.6	9.6	9.6	9.6	9.7	9.8	9.8	9.8	9.8
Italy.....	10.6	9.5	9.4	.....	.....	9.2	.....	.....	9.1	.....	.....	9.1	.....	.....	9.0	.....
Japan.....	4.7	5.0	5.0	5.3	5.3	5.4	5.5	5.3	5.3	5.2	5.2	5.4	5.4	5.4	5.4	5.4
Mexico.....	2.2	2.5	2.3	2.4	2.8	2.6	2.8	2.8	2.5	2.7	2.7	2.7	2.6	2.9	2.8	2.9
United Kingdom.....	3.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.1
Addendum: United States.....	4.0	4.8	4.9	5.0	5.4	5.6	5.8	5.6	5.5	5.7	6.0	5.8	5.9	5.9	5.7	5.6
Consumer prices (monthly data seasonally adjusted, 1995=100)																
Canada.....	109.0	111.7	112.4	112.7	112.1	111.1	111.2	111.5	112.2	113.0	113.6	113.8	114.2	114.8	115.3	115.3
France.....	106.3	108.1	108.4	108.6	108.7	108.4	108.5	109.0	109.1	109.6	110.1	110.2	110.2	110.2	110.4	110.6
Germany.....	107.0	109.6	110.0	110.0	109.7	109.5	109.6	110.6	110.9	111.1	111.2	111.2	111.1	111.3	111.2	111.1
Italy.....	112.8	115.9	116.3	116.3	116.5	116.7	116.8	117.3	117.7	118.0	118.3	118.6	118.7	118.9	119.1	119.3
Japan.....	101.5	100.8	100.9	100.7	100.7	100.2	100.1	99.9	99.4	99.6	99.9	100.2	100.1	99.7	100.0	100.0
Mexico.....	239.9	255.2	255.4	257.8	259.0	260.0	260.3	262.7	262.6	263.9	265.3	265.9	267.2	267.9	269.0	270.6
United Kingdom.....	114.2	116.3	116.7	117.1	116.9	116.5	116.3	116.3	116.6	117.1	117.9	118.2	118.2	118.0	118.3	119.2
Addendum: United States.....	113.0	116.2	116.4	116.9	116.6	116.5	116.4	116.6	116.8	117.2	117.8	117.8	117.9	118.1	118.5	118.7
Real gross domestic product (percent change from preceding quarter, quarterly data seasonally adjusted at annual rates)																
Canada.....	4.5	1.5	-0.5	.....	.....	2.9	.....	.....	6.2	.....	.....	4.3	.....	.....	.....	.....
France.....	3.8	1.8	1.6	.....	.....	-1.6	.....	.....	2.4	.....	.....	1.7	.....	.....	.....	0.9
Germany.....	3.1	0.7	-0.8	.....	.....	-1.2	.....	.....	1.1	.....	.....	1.1	.....	.....	.....	.....
Italy.....	2.9	1.8	0.3	.....	.....	-0.9	.....	.....	0.5	.....	.....	0.9	.....	.....	.....	.....
Japan.....	2.2	-0.9	-5.3	.....	.....	-1.9	.....	.....	0.8	.....	.....	4.2	.....	.....	.....	3.0
United Kingdom.....	3.1	2.0	1.4	.....	.....	0.9	.....	.....	0.5	.....	.....	2.5	.....	.....	.....	2.8
Addendum: United States.....	3.8	0.3	-0.3	.....	.....	2.7	.....	.....	5.0	.....	.....	1.3	.....	.....	.....	4.0
Short-term, 3-month, interest rates (percent, not seasonally adjusted)																
Canada.....	5.78	3.98	4.06	3.49	2.84	2.24	2.10	2.01	2.11	2.22	2.39	2.59	2.76	2.85	2.93	2.90
Euro area.....	4.39	4.26	4.35	3.98	3.60	3.39	3.34	3.36	3.39	3.31	3.41	3.47	3.46	3.41	3.35	3.31
Mexico.....	16.15	12.24	8.54	10.88	9.68	8.69	7.53	7.35	8.17	7.31	6.16	6.69	7.49	7.88	7.07	7.82
United Kingdom.....	6.11	4.97	4.93	4.65	4.36	3.93	3.99	3.98	3.98	4.06	4.11	4.08	4.11	3.99	3.92	3.93
Addendum: United States.....	5.82	3.40	3.36	2.64	2.16	1.87	1.69	1.65	1.73	1.79	1.72	1.73	1.70	1.68	1.62	1.63
Long-term interest rates, government bond yields (percent, not seasonally adjusted)																
Canada.....	5.92	5.79	5.85	5.80	5.66	5.55	5.72	5.69	5.69	5.93	5.93	5.87	.....	.....	.....	.....
Euro area.....	5.44	5.03	5.06	5.04	4.82	4.67	4.96	5.02	5.07	5.32	5.30	5.30	5.16	5.03	4.73	4.52
France.....	5.89	5.38	5.29	5.26	5.04	5.07	5.35	5.39	5.42	5.57	5.56	5.59	5.45	5.48	4.99	4.89
Germany.....	5.3	4.8	4.8	4.8	4.6	4.5	4.7	4.9	4.9	5.2	5.2	5.2	5.0	4.9	4.6	4.4
Italy.....	5.58	5.19	5.22	5.20	4.96	4.80	5.05	5.14	5.20	5.41	5.40	5.41	5.26	5.11	4.83	4.62
Japan.....	1.74	1.32	1.34	1.35	1.36	1.33	1.33	1.42	1.50	1.42	1.39	1.37	1.33	1.30	1.26	1.13
United Kingdom.....	5.31	4.94	4.97	4.98	4.83	4.63	4.90	4.94	4.97	5.25	5.26	5.29	5.12	5.01	4.71	4.49
Addendum: United States.....	6.03	5.02	4.97	4.73	4.57	4.65	5.09	5.04	4.91	5.28	5.21	5.16	4.93	4.65	4.26	3.87
Share price indices (not seasonally adjusted, 1995=100)																
Canada.....	216.7	174.4	166.9	154.2	155.3	167.5	173.4	172.5	172.3	177.1	172.8	172.7	161.2	149.0	149.1	139.4
France.....	321.7	260.1	255.0	214.1	220.4	234.5	236.5	237.3	229.7	243.9	241.6	234.5	212.8	188.9	183.5	167.4
Germany.....	260.3	196.4	190.1	157.3	163.8	175.5	178.9	182.8	176.2	187.5	184.1	176.0	159.8	145.2	134.3	118.6
Italy.....	319.0	258.8	256.0	210.0	216.6	225.7	228.7	229.5	223.0	238.3	239.7	229.4	209.1	192.8	190.1	177.7
Japan.....	97.7	69.3	61.9	56.5	59.9	61.8	60.9	57.8	61.2	63.7	66.4	68.0	61.4	57.1	55.6	54.2
Mexico.....	293.6	275.7	284.4	243.5	249.5	262.8	287.1	312.2	303.4	340.7	337.1	316.8	291.1	271.3	280.1	258.1
United Kingdom.....	178.5	147.9	143.2	130.0	132.8	137.8	136.9	136.6	135.1	139.5	137.6	135.2	124.9	111.9	111.3	104.9
Addendum: United States.....	221.4	207.8	207.6	187.0	191.0	197.6	200.2	199.8	195.6	206.3	201.8	197.8	187.0	167.0	168.9	161.8

1. All exchange rates are from the Board of Governors of the Federal Reserve System.

2. Rates for selected euro-area currencies can be derived by using the following conversion rates: 1 euro = 6.55957 French francs, 1.95583 German marks, and 1936.27 Italian lire.

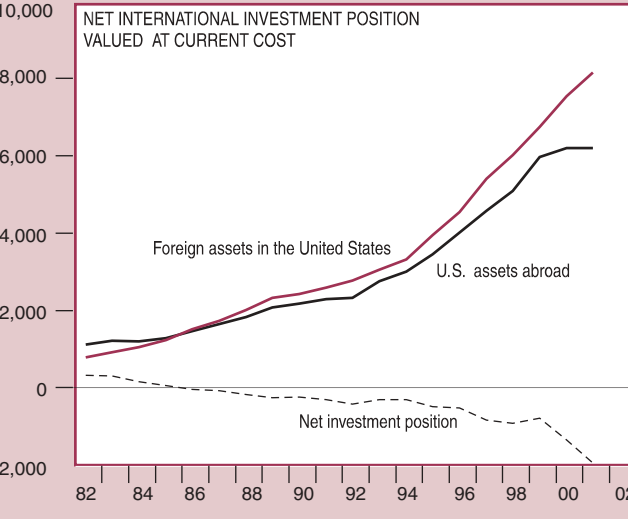
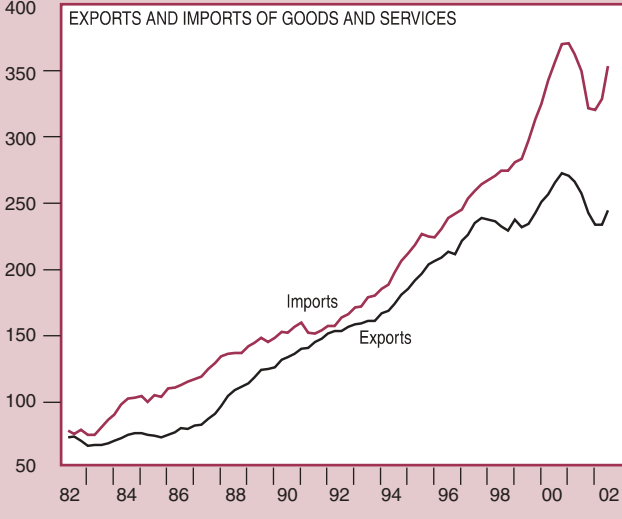
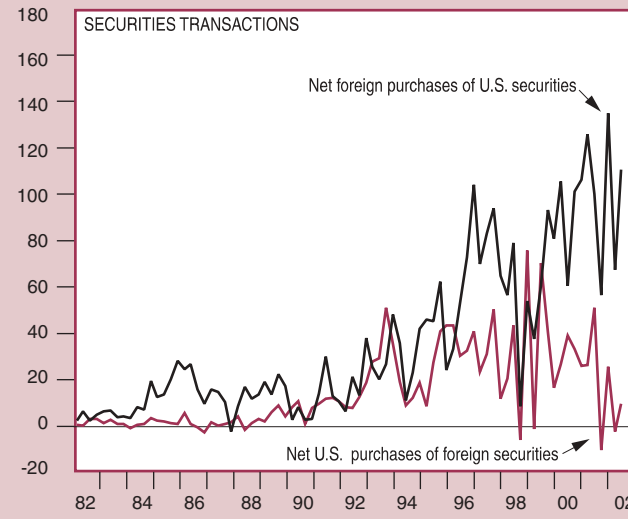
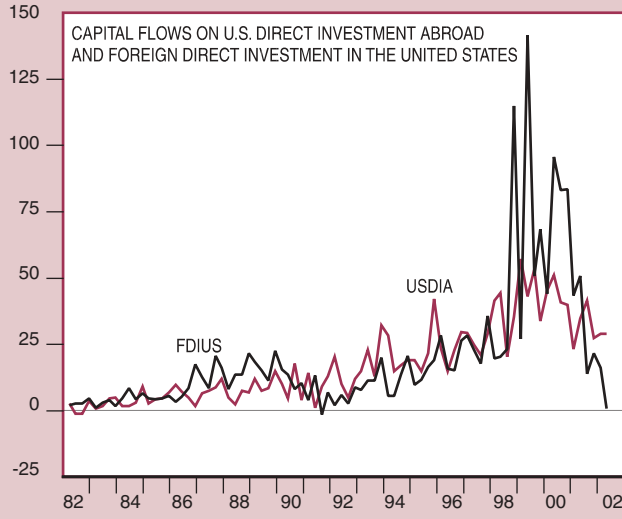
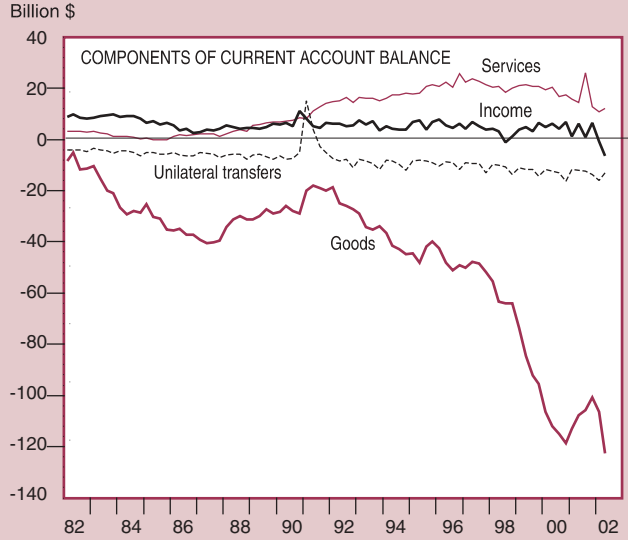
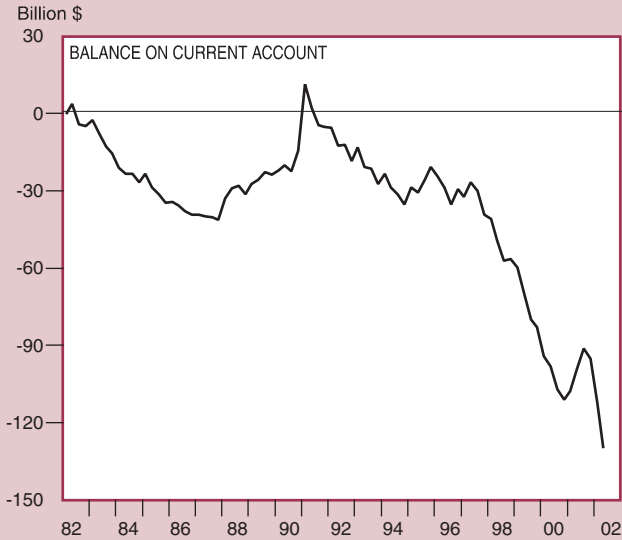
3. The rate shown for the United States is an index of the weighted average of the foreign exchange value of the U.S. dollar against the currencies of a broad group of major U.S. trading partners, January 1997=100. For more information on the exchange rate indexes, see "New Summary Measures of the Foreign Exchange Value of

the Dollar," *Federal Reserve Bulletin*, vol. 84 (October 1998), pp. 811-18.

NOTE: U.S. interest rates, unemployment rates, and GDP growth rates are from the Federal Reserve, the Bureau of Labor Statistics, and BEA, respectively. GDP growth rates for other countries are calculated from levels published by those countries. Most other data (including U.S. consumer prices and U.S. share prices, both of which have been rebased to 1995 to facilitate comparison) are © OECD and are reproduced with permission.

I. Charts

THE U.S. IN THE INTERNATIONAL ECONOMY



Regional Data

J. State and Regional Tables

The tables in this section include the most recent estimates of State personal income and gross state product. The sources of these estimates are noted.

The quarterly and annual estimates of State personal income and the estimates of gross state product are available on CD-ROM. For information on State personal income, e-mail reis.remd@bea.gov; write to the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202-606-5360. For information on gross state product, e-mail gspread@bea.gov; write to the Regional Economic Analysis Division, BE-61, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202-606-5340.

Table J.1. Personal Income by State and Region
(Millions of dollars, seasonally adjusted at annual rates)

Area name	1998		1999				2000				2001				2002		Percent change ¹ 2002:I- 2002:II
	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
United States	7,483,312	7,568,387	7,647,688	7,715,358	7,801,465	7,953,533	8,203,812	8,340,348	8,481,147	8,569,877	8,652,160	8,669,921	8,697,999	8,692,940	8,794,858	8,904,969	1.3
New England	441,848	447,023	448,822	454,620	463,459	472,177	492,215	499,073	509,572	516,386	522,932	520,678	519,699	518,451	523,464	530,833	1.4
Connecticut	125,883	127,594	127,910	129,499	131,798	133,841	137,643	140,059	142,385	144,518	146,171	145,566	145,221	144,408	145,963	147,751	1.2
Maine	29,777	30,138	29,793	30,378	31,263	31,126	32,056	32,693	33,022	33,403	34,210	34,276	34,443	34,608	35,400	35,861	1.3
Massachusetts	207,654	209,727	211,381	214,040	218,268	223,600	235,357	238,015	244,559	247,339	250,286	248,478	247,285	246,759	248,052	251,716	1.5
New Hampshire	35,736	36,297	36,212	36,802	37,547	38,451	40,723	41,151	41,918	42,728	43,020	42,993	42,966	42,965	43,238	43,835	1.4
Rhode Island	27,914	28,256	28,319	28,480	28,927	29,270	30,152	30,486	30,968	31,305	31,868	31,865	32,200	32,049	32,946	33,548	1.8
Vermont	14,884	15,011	15,208	15,420	15,657	15,890	16,283	16,668	16,720	17,094	17,378	17,500	17,583	17,662	17,866	18,121	1.4
Mideast	1,412,373	1,421,284	1,438,991	1,445,865	1,465,140	1,480,655	1,531,383	1,563,518	1,585,269	1,617,843	1,626,431	1,623,587	1,629,240	1,628,390	1,641,278	1,664,095	1.4
Delaware	22,002	22,222	22,463	22,464	22,826	23,243	24,083	24,518	24,971	25,495	25,572	25,796	26,072	25,972	26,660	27,114	1.7
District of Columbia	20,526	20,574	20,216	20,348	20,539	20,900	21,634	22,012	22,242	22,743	22,807	23,036	22,972	23,019	23,309	23,612	1.3
Maryland	160,027	161,960	164,610	165,981	168,105	170,286	176,048	178,670	181,761	184,933	187,539	188,899	189,959	190,170	193,823	196,618	1.4
New Jersey	281,839	283,122	285,764	286,113	288,093	295,277	307,154	315,871	319,804	326,553	325,495	325,753	327,663	327,982	333,924	338,485	1.4
New York	595,243	596,684	608,705	610,166	622,436	622,305	645,590	659,799	668,911	685,410	688,789	683,235	683,650	683,421	676,465	685,853	1.4
Pennsylvania	332,736	336,723	337,232	340,792	343,141	348,645	356,874	362,649	367,581	372,709	376,229	376,868	378,925	377,825	387,098	392,413	1.4
Great Lakes	1,214,013	1,228,958	1,235,779	1,245,648	1,255,059	1,277,147	1,313,496	1,328,376	1,343,526	1,350,276	1,360,571	1,363,568	1,371,186	1,366,898	1,377,331	1,392,795	1.1
Illinois	365,576	368,550	367,926	371,626	373,645	381,115	391,540	398,199	404,792	409,590	412,233	411,340	413,747	411,479	414,141	418,531	1.1
Indiana	150,399	152,112	153,063	153,571	154,930	158,111	163,208	165,511	167,661	166,879	169,300	169,544	170,505	170,282	171,799	173,182	0.8
Michigan	264,078	269,260	272,781	274,884	277,349	281,152	291,320	293,083	295,077	295,496	295,990	297,595	298,898	297,954	297,935	302,749	1.6
Ohio	294,817	298,672	300,836	302,825	304,691	309,709	317,512	319,216	321,969	322,811	325,760	327,376	329,274	328,568	332,514	335,314	0.8
Wisconsin	139,143	140,365	141,174	142,743	144,443	147,061	149,917	152,366	154,027	155,500	157,288	157,802	158,761	158,613	160,942	163,018	1.3
Plains	497,933	503,371	503,233	507,623	512,874	524,706	534,339	545,866	553,632	556,687	563,250	565,003	568,855	568,720	578,468	583,397	0.9
Iowa	71,937	72,789	71,740	71,928	73,279	74,699	76,285	77,775	78,428	79,673	79,642	79,761	80,123	80,046	81,433	81,570	0.2
Kansas	68,462	69,095	68,693	69,121	69,883	72,143	72,019	73,888	75,539	75,049	76,487	76,689	77,419	77,296	79,352	80,342	1.2
Minnesota	141,075	143,235	144,211	146,001	147,027	150,236	154,243	157,886	160,468	162,672	164,043	164,370	165,031	164,912	167,015	168,948	1.0
Missouri	140,245	141,130	141,838	142,888	143,938	146,839	150,256	153,412	155,402	155,248	157,887	158,423	159,641	159,673	161,694	162,788	0.7
Nebraska	43,858	44,128	44,309	44,655	45,472	46,662	46,575	47,344	48,034	48,182	48,973	49,299	49,571	49,933	51,174	51,922	1.5
North Dakota	14,808	15,026	14,543	14,782	14,760	15,298	15,738	16,079	16,167	16,125	16,318	16,370	16,565	16,481	17,051	16,967	-0.3
South Dakota	17,547	17,969	17,889	18,249	18,454	18,880	19,223	19,483	19,593	19,738	19,899	20,093	20,326	20,378	20,749	21,130	1.8
Southeast	1,655,282	1,672,523	1,694,819	1,709,104	1,721,949	1,752,727	1,800,702	1,831,731	1,856,700	1,877,505	1,900,422	1,913,861	1,922,486	1,925,425	1,953,978	1,978,356	1.2
Alabama	97,114	98,104	99,116	100,033	100,816	102,163	103,669	105,585	106,244	107,387	109,010	109,740	110,180	110,182	111,548	112,847	1.0
Arkansas	54,106	54,693	55,160	55,691	56,110	57,056	58,581	59,966	60,584	61,041	61,380	61,843	62,186	63,205	64,511	66,152	1.5
Florida	409,057	411,861	418,844	423,249	426,135	430,674	443,255	451,126	457,616	464,427	469,110	474,193	477,155	478,044	486,256	492,621	1.3
Georgia	202,621	205,842	210,045	211,956	214,040	219,127	226,798	230,687	234,246	236,983	239,297	240,495	241,700	242,091	245,518	248,826	1.3
Kentucky	88,993	89,511	89,526	90,365	91,305	93,177	96,405	97,525	98,850	99,719	100,591	100,934	101,980	101,801	103,011	104,378	1.3
Louisiana	98,137	98,633	98,029	98,742	98,949	100,470	101,992	103,477	104,421	105,409	107,745	108,827	110,406	111,263	112,945	114,077	1.0
Mississippi	55,540	56,056	56,052	56,442	57,225	57,961	58,835	59,810	60,357	60,521	61,795	61,969	62,278	62,611	63,919	64,731	1.3
North Carolina	194,497	196,993	200,510	202,258	201,069	207,140	213,692	217,427	220,574	222,454	225,421	225,430	225,125	224,959	229,148	231,609	1.1
South Carolina	87,748	88,942	89,545	90,673	91,618	93,161	95,281	97,533	98,439	99,384	100,888	100,766	101,537	101,249	102,694	104,239	1.5
Tennessee	135,340	136,750	138,365	140,368	141,762	143,971	147,778	149,624	151,432	152,344	154,051	154,840	155,587	155,165	158,609	159,901	0.8
Virginia	195,117	198,038	202,601	202,094	205,299	209,754	215,897	220,691	224,854	228,549	230,703	234,189	233,312	234,224	234,826	238,499	1.6
West Virginia	37,011	37,102	37,025	37,234	37,621	38,072	38,699	39,405	39,712	40,206	40,771	41,096	41,403	41,651	42,300	42,678	0.9
Southwest	743,768	752,962	758,063	769,139	777,229	795,139	819,645	834,563	850,355	859,502	872,148	873,026	878,644	879,806	888,385	899,802	1.3
Arizona	114,206	116,148	117,100	119,715	121,059	123,155	129,038	129,392	131,796	133,700	135,454	137,068	138,817	137,895	140,320	141,674	1.0
New Mexico	37,003	37,430	37,149	37,670	37,882	38,386	38,837	39,676	40,025	40,549	41,543	42,070	42,709	43,092	43,957	44,168	0.5
Oklahoma	75,165	75,584	76,271	77,046	77,503	79,075	80,578	82,405	84,030	85,127	86,002	86,432	87,104	87,460	88,664	90,107	1.6
Texas	517,394	523,800	527,543	534,708	540,784	554,524	571,192	583,900	594,504	600,126	609,149	607,495	610,014	611,359	615,445	623,852	1.4
Rocky Mountain	225,131	228,817	232,570	236,012	238,695	245,840	251,980	259,380	264,940	268,028	270,446	271,647	272,192	271,659	274,418	277,603	1.2
Colorado																	

Table J.2. Annual Personal Income and Per Capita Personal Income for States and Regions

Area name	Personal income							Per capita personal income ¹						Rank in U.S.	
	Millions of dollars							Percent change ²	Dollars						
	1996	1997	1998	1999	2000	2001	1996		1997	1998	1999	2000	2001		
United States	6,538,103	6,928,545	7,418,497	7,779,511	8,398,796	8,678,255	3.3	24,270	25,412	26,893	27,880	29,770	30,472	.....
New England	384,144	408,231	437,134	459,770	504,311	520,440	3.2	28,340	29,924	31,829	33,226	36,167	37,115	.....
Connecticut.....	109,354	116,421	124,880	130,762	141,151	145,341	3.0	32,773	34,759	37,108	38,614	41,392	42,435	1	
Maine.....	26,434	27,773	29,469	30,640	32,793	34,384	4.9	21,163	22,134	23,404	24,187	25,681	26,723	35	
Massachusetts.....	180,237	191,596	205,176	216,822	241,318	248,202	2.9	29,166	30,773	32,714	34,322	37,960	38,907	2	
New Hampshire.....	30,228	32,397	35,198	37,253	41,630	42,986	3.3	25,733	27,238	29,187	30,485	33,576	34,138	6	
Rhode Island.....	24,818	26,293	27,673	28,749	30,728	31,995	4.1	24,310	25,643	26,837	27,632	29,258	30,215	16	
Vermont.....	13,073	13,752	14,738	15,544	16,691	17,531	5.0	22,019	23,026	24,547	25,705	27,376	28,594	26	
Mideast	1,255,345	1,315,810	1,400,562	1,457,663	1,574,504	1,626,912	3.3	27,661	28,868	30,565	31,616	33,956	34,968	.....
Delaware.....	19,369	20,145	21,879	22,749	24,767	25,853	4.4	26,140	26,807	28,662	29,354	31,500	32,472	11	
District of Columbia.....	18,517	19,135	20,255	20,501	22,158	22,959	3.6	32,352	33,704	35,836	35,953	38,801	40,150	.....
Maryland.....	140,809	148,826	158,501	167,246	180,353	189,142	4.9	27,545	28,857	30,455	31,829	33,959	35,188	5	
New Jersey.....	246,659	260,705	278,788	288,812	317,346	326,723	3.0	30,266	31,720	33,640	34,549	37,649	38,509	3	
New York.....	530,990	553,543	590,406	615,903	664,927	684,774	3.0	28,566	29,670	31,478	32,617	35,016	36,019	4	
Pennsylvania.....	299,001	313,457	330,733	342,452	364,953	377,461	3.4	24,467	25,635	27,008	27,924	29,713	30,720	15	
Great Lakes	1,079,799	1,138,557	1,206,886	1,253,408	1,333,919	1,365,555	2.4	24,408	25,589	26,983	27,873	29,505	30,103	.....
Illinois.....	322,790	340,594	362,081	373,578	401,030	412,200	2.8	26,672	27,950	29,505	30,227	32,248	33,023	9	
Indiana.....	132,890	139,459	149,318	154,919	165,815	169,885	2.5	22,501	23,418	24,891	25,628	27,228	27,783	31	
Michigan.....	238,095	250,216	264,520	276,541	293,744	297,609	1.3	24,398	25,509	26,860	27,942	29,516	29,788	18	
Ohio.....	264,162	279,367	293,208	304,515	320,377	327,745	2.3	23,496	24,772	25,921	26,864	28,202	28,816	24	
Wisconsin.....	121,864	128,920	137,759	143,855	152,953	158,116	3.4	23,301	24,481	26,004	26,976	28,471	29,270	20	
Plains	439,948	462,173	493,714	512,109	547,631	566,457	3.4	23,520	24,517	26,001	26,769	28,429	29,313	.....
Iowa.....	64,696	67,938	71,280	72,912	77,790	79,893	2.7	22,464	23,499	24,555	24,990	26,572	27,331	33	
Kansas.....	60,074	63,728	67,896	69,960	74,124	76,973	3.8	22,977	24,182	25,519	26,121	27,537	28,565	28	
Minnesota.....	122,080	129,020	140,031	146,891	158,817	164,589	3.6	25,904	27,086	29,092	30,141	32,207	33,101	8	
Missouri.....	123,992	131,144	138,987	143,858	153,830	158,906	3.3	22,828	23,926	25,171	25,865	27,452	28,226	29	
Nebraska.....	39,618	40,724	43,313	45,274	47,534	49,489	4.1	23,670	24,148	25,541	26,558	27,756	28,886	23	
North Dakota.....	13,607	13,332	14,709	14,846	16,027	16,434	2.5	20,921	20,520	22,716	23,043	25,007	25,902	37	
South Dakota.....	15,883	16,288	17,497	18,368	19,509	20,174	3.4	21,399	21,885	23,453	24,477	25,823	26,664	36	
Southeast	1,445,912	1,532,165	1,639,428	1,719,649	1,841,660	1,915,549	4.0	22,038	22,986	24,242	25,079	26,501	27,246	.....
Alabama.....	87,221	91,284	96,481	100,532	105,796	109,773	3.8	20,138	20,899	21,904	22,693	23,768	24,589	43	
Arkansas.....	48,700	51,055	53,784	56,004	59,205	61,613	4.1	18,934	19,628	20,479	21,119	22,757	22,887	48	
Florida.....	355,136	377,673	405,146	424,726	454,106	474,626	4.5	23,909	24,869	26,161	26,951	28,286	28,947	22	
Georgia.....	172,935	183,757	200,104	213,792	232,179	240,896	3.8	23,055	23,911	25,447	26,571	28,212	28,733	25	
Kentucky.....	78,221	82,927	88,148	91,093	98,125	101,326	3.3	19,957	20,979	22,118	22,671	24,244	24,923	40	
Louisiana.....	87,879	92,286	97,458	103,824	109,560	113,879	5.5	19,978	20,874	21,948	22,204	23,227	24,535	44	
Mississippi.....	48,898	51,598	55,072	56,920	59,881	62,163	3.8	17,793	18,580	19,635	20,124	21,017	21,750	50	
North Carolina.....	167,638	179,691	192,577	202,744	218,537	225,234	3.1	22,350	23,468	24,661	25,504	27,055	27,514	32	
South Carolina.....	76,287	81,045	86,672	91,249	97,659	101,110	3.5	20,096	20,998	22,115	22,958	24,273	24,886	41	
Tennessee.....	119,287	125,457	134,241	141,117	150,344	154,911	3.0	22,022	22,814	24,101	25,026	26,367	26,988	34	
Virginia.....	169,938	180,190	193,007	204,937	222,498	233,107	4.8	25,173	26,385	27,968	29,276	31,320	32,431	12	
West Virginia.....	33,771	35,202	36,738	37,488	39,506	41,230	4.4	18,527	19,351	20,234	20,691	21,861	22,881	49	
Southwest	624,034	677,462	736,392	774,892	841,016	875,906	4.1	21,504	22,868	24,352	25,137	26,796	27,439	.....
Arizona.....	95,787	103,702	112,895	120,257	130,982	137,314	4.8	20,883	21,892	23,118	23,937	25,358	25,872	38	
New Mexico.....	33,232	34,860	36,857	37,772	39,772	42,354	6.5	18,964	19,641	20,551	20,891	21,837	23,155	47	
Oklahoma.....	66,289	69,951	74,677	77,474	83,035	86,750	4.5	19,846	20,739	21,930	22,540	24,046	25,071	39	
Texas.....	428,726	468,950	511,964	539,390	587,228	609,489	3.8	22,167	23,756	25,398	26,237	28,035	28,581	27	
Rocky Mountain	192,141	206,847	223,322	238,279	261,082	271,486	4.0	22,432	23,651	25,041	26,200	28,190	28,859	.....
Colorado.....	100,012	108,765	118,413	128,192	142,752	147,860	3.6	25,514	27,067	28,764	30,334	33,018	33,470	7	
Idaho.....	24,173	25,226	27,066	28,931	31,314	32,525	3.9	20,093	20,534	21,612	22,679	24,101	24,621	42	
Montana.....	16,992	17,726	18,942	19,380	20,678	21,673	4.8	19,173	19,920	21,225	21,593	22,895	23,963	46	
Utah.....	40,354	43,696	46,772	48,923	52,622	54,884	4.3	19,514	20,613	21,594	22,202	23,476	24,180	45	
Wyoming.....	10,609	11,433	12,129	12,855	13,717	14,544	6.0	21,732	23,360	24,714	26,139	27,767	29,416	19	
Far West	1,116,779	1,187,299	1,281,057	1,363,741	1,494,673	1,535,950	2.8	25,201	26,353	27,972	29,324	31,669	32,047	.....
Alaska.....	15,762	16,488	17,138	17,570	18,773	19,641	4.6	25,901	26,898	27,645	28,122	29,913	30,936	14	
California.....	812,404	861,557	931,564	994,862	1,099,375	1,128,256	2.6	25,373	26,521	28,240	29,698	32,334	32,702	10	
Hawaii.....	30,393	31,218	31,841	32,573	34,308	35,510	3.5	25,249	25,765	26,201	26,913	28,301	29,002	21	
Nevada.....	43,331	47,258	52,017	55,330	59,948	62,966	5.0	26,004	26,789	28,069	28,598	29,696	29,897	17	
Oregon.....	75,561	80,575	85,305	89,084	95,406	97,814	2.5	23,270	24,385	25,446	26,248	27,821	28,165	30	
Washington.....	139,328	150,203	163,192	174,321	186,863	191,763	2.6	25,015	26,469	28,285	29,836	31,627	32,025	13	

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

2. Percent change was calculated from unrounded data.

Note. The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage, in the methodologies used to prepare the

estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate 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.

Source: Table 1 "State Personal Income, Revised Estimates for 1999-2001" in the October 2002 issue of the SURVEY OF CURRENT BUSINESS.

Table J.3. Disposable Personal Income and Per Capita Disposable Personal Income for States and Regions

Area name	Disposable personal income							Percent change ²	Per capita disposable personal income ¹						Rank in U.S.
	Millions of dollars								Dollars						
	1996	1997	1998	1999	2000	2001	1996		1997	1998	1999	2000	2001		
United States	5,669,393	5,960,749	6,349,151	6,621,480	7,113,559	7,387,363	3.8	21,045	21,863	23,016	23,729	25,214	25,939	.....
New England	326,543	342,605	364,015	379,838	410,306	428,879	4.5	24,091	25,114	26,505	27,450	29,425	30,586	.....
Connecticut	91,536	95,724	101,699	105,830	112,817	117,239	3.9	27,433	28,580	30,219	31,252	33,083	34,230	1	
Maine	23,257	24,200	25,480	26,400	28,111	29,593	5.3	18,620	19,286	20,236	20,839	22,014	23,000	37	
Massachusetts	151,896	159,674	169,596	177,269	193,290	202,402	4.7	24,580	25,646	27,041	28,061	30,406	31,728	3	
New Hampshire	26,610	28,200	30,578	32,116	35,516	37,003	4.2	22,652	23,709	25,356	26,282	28,645	29,387	6	
Rhode Island	21,780	22,851	23,898	24,787	26,237	27,503	4.8	21,334	22,286	23,176	23,824	24,982	25,973	16	
Vermont	11,463	11,955	12,764	13,436	14,336	15,139	5.6	19,308	20,018	21,258	22,220	23,513	24,693	25	
Mideast	1,073,172	1,114,511	1,178,249	1,217,422	1,309,804	1,360,181	3.8	23,647	24,452	25,714	26,405	28,247	29,235	.....
Delaware	16,547	16,987	18,470	19,202	20,935	21,967	4.9	22,332	22,605	24,196	24,777	26,628	27,591	10	
District of Columbia	15,862	16,120	16,921	16,795	18,024	18,782	4.2	27,712	28,393	29,937	29,454	31,562	32,845	.....
Maryland	119,755	125,597	133,060	140,126	150,250	158,291	5.4	23,426	24,353	25,566	26,668	28,291	29,449	5	
New Jersey	211,334	220,964	234,080	240,089	262,179	272,356	3.9	25,932	26,885	28,245	28,720	31,104	32,101	2	
New York	450,040	464,468	491,784	507,736	546,368	565,238	3.5	24,211	24,896	26,220	26,889	28,772	29,732	4	
Pennsylvania	259,634	270,375	283,933	293,475	312,047	323,546	3.7	21,246	22,111	23,186	23,930	25,406	26,332	15	
Great Lakes	930,464	975,464	1,029,255	1,067,782	1,138,249	1,167,753	2.6	21,032	21,924	23,011	23,745	25,177	25,742	.....
Illinois	278,447	291,507	307,987	316,463	339,330	349,489	3.0	23,008	23,922	25,097	25,606	27,286	27,999	8	
Indiana	114,831	119,826	128,475	133,378	143,459	147,316	2.7	19,443	20,121	21,417	22,064	23,557	24,092	30	
Michigan	204,949	214,500	225,186	235,489	251,045	254,749	1.5	21,002	21,868	22,866	23,794	25,226	25,498	18	
Ohio	227,746	239,900	250,838	260,567	273,908	280,623	2.5	20,257	21,273	22,175	22,752	24,112	24,673	26	
Wisconsin	104,491	109,732	116,768	121,886	130,508	135,576	3.9	19,979	20,837	22,041	22,856	24,293	25,998	21	
Plains	382,827	399,625	425,703	441,836	471,343	488,468	3.6	20,466	21,199	22,420	23,056	24,469	25,278	.....
Iowa	56,896	59,294	62,181	63,449	67,935	69,760	2.7	19,756	20,509	21,421	21,747	23,206	23,864	33	
Kansas	52,367	55,113	58,652	60,275	63,777	66,307	4.0	20,029	20,913	22,045	22,505	23,694	24,607	28	
Minnesota	103,586	109,183	118,006	124,709	133,731	139,216	4.1	21,980	22,921	24,516	25,589	27,120	27,998	9	
Missouri	108,364	114,001	120,352	124,478	133,054	137,633	3.4	19,951	20,799	21,796	22,380	23,745	24,448	29	
Nebraska	34,932	35,531	37,620	39,248	41,068	42,868	4.4	20,871	21,069	22,184	23,022	23,980	25,022	23	
North Dakota	12,226	11,853	13,143	13,245	14,362	14,635	2.3	18,798	18,244	20,297	20,558	22,315	23,068	36	
South Dakota	14,456	14,650	15,748	16,432	17,475	18,049	3.3	19,477	19,684	21,109	21,897	23,130	23,856	34	
Southeast	1,269,457	1,336,061	1,423,978	1,490,466	1,594,045	1,661,737	4.2	19,348	20,044	21,056	21,737	22,938	23,636	.....
Alabama	77,079	80,342	84,855	88,376	93,060	96,677	3.9	17,797	18,394	19,265	19,949	20,905	21,655	42	
Arkansas	43,230	45,063	47,302	49,265	51,959	54,192	4.3	16,807	17,325	18,011	18,577	19,402	20,130	49	
Florida	312,805	329,682	351,912	368,190	391,323	410,136	4.8	21,060	21,709	22,724	23,363	24,375	25,014	24	
Georgia	150,182	158,350	171,711	183,084	198,513	206,772	4.2	20,021	20,605	21,836	22,755	24,121	24,663	27	
Kentucky	68,160	71,915	76,215	78,557	84,884	87,686	3.3	17,390	18,194	19,124	19,551	20,972	21,568	43	
Louisiana	78,079	81,431	86,139	87,744	91,807	96,994	5.6	17,750	18,419	19,399	19,670	20,539	21,721	41	
Mississippi	43,943	46,245	49,256	50,865	53,590	55,779	4.1	15,990	16,653	17,561	17,984	18,810	19,517	50	
North Carolina	145,935	155,311	165,760	174,214	187,686	194,234	3.5	19,456	20,284	21,226	21,915	23,236	23,727	35	
South Carolina	66,986	70,880	75,481	79,457	85,289	88,456	3.7	17,646	18,364	19,259	19,991	21,198	21,771	40	
Tennessee	106,568	111,632	119,346	125,616	134,141	138,241	3.1	19,674	20,300	21,426	22,278	23,525	24,084	31	
Virginia	146,489	154,028	163,510	171,953	186,890	196,098	4.9	21,699	22,554	23,694	24,564	26,308	27,282	12	
West Virginia	30,001	31,182	32,491	33,144	34,902	36,472	4.5	16,459	17,141	17,895	18,294	19,314	20,241	48	
Southwest	552,859	596,546	645,743	679,123	733,704	767,047	4.5	19,051	20,137	21,354	22,030	23,377	24,029	.....
Arizona	83,726	90,217	97,615	103,776	112,945	119,007	5.4	18,253	19,045	19,989	20,657	21,866	22,423	38	
New Mexico	29,502	30,758	32,496	33,215	34,781	37,173	6.9	16,836	17,330	18,119	18,370	19,097	20,322	47	
Oklahoma	58,473	61,222	65,310	67,744	72,462	75,846	4.7	17,506	18,151	19,179	19,709	20,984	21,920	39	
Texas	381,159	414,349	450,321	474,388	513,516	535,022	4.2	19,708	20,990	22,340	23,075	24,516	25,089	22	
Rocky Mountain	166,565	178,194	191,724	203,495	221,749	231,908	4.6	19,446	20,375	21,498	22,376	23,943	24,652	.....
Colorado	86,111	92,927	100,489	108,190	119,717	124,947	4.4	21,967	23,126	24,410	25,601	27,690	28,283	7	
Idaho	21,208	22,044	23,639	25,148	27,021	28,240	4.5	17,628	17,944	18,876	19,714	20,797	21,378	44	
Montana	15,037	15,621	16,670	16,997	18,084	19,000	5.1	16,967	17,554	18,679	18,939	20,023	21,008	45	
Utah	35,002	37,715	40,460	42,112	45,258	47,302	4.5	16,926	17,792	18,680	19,112	20,191	20,840	46	
Wyoming	9,207	9,886	10,466	11,047	11,669	12,419	6.4	18,861	20,199	21,324	22,464	23,621	25,118	20	
Far West	967,506	1,017,744	1,090,483	1,141,518	1,234,359	1,281,390	3.8	21,833	22,590	23,811	24,546	26,153	26,736	.....
Alaska	13,919	14,497	15,003	15,400	16,411	17,171	4.6	22,872	23,650	24,201	24,649	26,149	27,045	13	
California	701,878	735,173	789,557	827,255	897,310	932,835	4.0	21,921	22,630	23,935	24,695	26,391	27,038	14	
Hawaii	26,730	27,371	27,846	28,378	29,786	30,930	3.8	22,206	22,590	22,914	23,447	24,570	25,262	19	
Nevada	37,634	41,126	44,903	47,583	51,332	54,069	5.3	22,585	23,313	24,230	24,594	25,428	25,673	17	
Oregon	64,801	68,539	72,660	75,398	80,241	82,917	3.3	19,957	20,742	21,674	22,216	23,399	23,876	32	
Washington	122,543	131,039	140,515	147,503	159,278	163,467	2.6	22,001	23,092	24,354	25,246	26,958	27,299	11	

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

2. Percent change was calculated from unrounded data.

NOTE: The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the estimate of personal income in the national income and product accounts (NIPAs) because of differences in coverage, in the methodologies used to prepare the

estimates, and in the timing of the availability of source data. In particular, it differs from the NIPA estimate 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.

Source: Table 1 "State Personal Income, Revised Estimates for 1999-2001" in the October 2002 issue of the SURVEY OF CURRENT BUSINESS.

Table J.4. Gross State Product (GSP) by Industry for States and Regions, 2000

[Millions of dollars]

State and region	Rank of total GSP	Total GSP	Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government
United States		9,941,552	135,750	127,084	463,635	1,566,579	825,016	674,145	893,855	1,936,304	2,164,630	1,154,555
New England		582,776	4,298	297	24,619	85,821	34,328	38,418	48,794	149,028	143,603	53,570
Connecticut.....	22	159,288	1,090	112	5,579	24,897	9,399	9,726	12,876	47,045	35,235	13,328
Maine.....	44	35,981	693	5	1,693	5,561	2,457	2,138	4,253	6,667	7,422	5,090
Massachusetts.....	11	284,934	1,545	97	12,556	37,956	16,075	20,467	22,004	69,651	79,674	24,908
New Hampshire.....	38	47,708	341	36	2,060	9,777	2,707	3,212	4,617	11,587	9,685	3,684
Rhode Island.....	42	36,453	227	11	1,898	4,450	2,343	1,854	3,244	10,796	7,465	4,164
Vermont.....	49	18,411	401	36	831	3,179	1,346	1,021	1,799	3,281	4,121	2,396
Mideast		1,848,116	11,090	3,667	70,536	228,623	146,359	118,790	138,089	481,675	436,048	213,239
Delaware.....	43	36,336	317	2	1,578	5,535	1,876	1,482	2,579	13,840	5,790	3,336
District of Columbia.....		59,397	21	29	571	833	3,044	746	1,672	8,017	22,753	21,711
Maryland.....	16	186,108	1,600	153	10,519	14,955	14,137	11,392	16,164	38,915	45,895	32,377
New Jersey.....	8	363,089	1,919	242	14,235	50,198	34,131	33,575	27,339	85,452	81,545	34,453
New York.....	2	799,202	3,385	615	25,958	81,644	58,750	46,841	54,630	259,929	188,190	79,260
Pennsylvania.....	6	403,985	3,848	2,627	17,674	75,457	34,421	24,754	35,705	75,522	91,875	42,102
Great Lakes		1,530,982	15,630	4,414	74,009	351,203	116,507	109,716	137,490	257,073	306,776	158,165
Illinois.....	5	467,284	4,163	1,058	22,310	73,413	41,203	37,013	37,669	96,849	107,674	45,932
Indiana.....	15	192,195	2,225	674	9,836	58,906	14,436	11,448	17,365	25,422	32,755	19,128
Michigan.....	9	325,384	2,910	881	16,619	85,465	21,335	23,548	30,046	46,417	64,863	33,301
Ohio.....	7	372,640	3,481	1,531	16,809	89,399	27,100	26,483	36,183	60,960	69,897	40,799
Wisconsin.....	20	173,478	2,851	271	8,434	44,021	12,433	11,225	16,227	27,424	31,588	19,005
Plains		635,821	16,886	3,449	31,195	111,677	60,941	47,702	59,475	104,091	126,218	74,188
Iowa.....	30	89,600	3,678	210	3,822	19,747	7,758	6,338	7,950	13,938	15,392	10,768
Kansas.....	31	85,063	2,204	1,236	4,018	14,004	11,408	6,449	8,380	11,141	14,851	11,373
Minnesota.....	17	184,766	3,318	684	9,575	32,459	13,842	14,555	17,069	35,354	39,566	18,344
Missouri.....	18	178,845	2,517	423	9,150	32,849	18,299	12,985	17,040	27,394	37,761	20,425
Nebraska.....	36	56,072	2,471	86	2,710	8,022	6,082	4,289	4,918	8,763	11,031	7,701
North Dakota.....	50	18,283	952	686	924	1,580	1,783	1,561	1,797	2,846	3,518	2,636
South Dakota.....	46	23,192	1,745	125	995	3,015	1,769	1,524	2,322	4,655	4,100	2,941
Southeast		2,156,521	32,736	30,526	108,230	351,257	190,197	148,028	212,493	361,852	434,586	286,617
Alabama.....	25	119,921	2,166	1,448	5,845	22,959	10,544	7,788	12,134	18,027	20,849	18,161
Arkansas.....	34	67,724	2,246	474	3,300	15,065	7,036	4,466	7,868	8,117	10,769	8,382
Florida.....	4	472,105	8,084	899	25,357	32,590	39,503	36,250	52,887	100,537	118,762	57,236
Georgia.....	10	296,142	3,894	1,127	14,821	49,553	33,355	26,471	27,206	47,076	58,036	34,603
Kentucky.....	27	118,508	2,693	2,135	5,538	31,633	9,605	7,316	10,976	13,664	19,211	15,735
Louisiana.....	24	137,700	1,281	18,526	6,635	20,145	12,233	7,519	11,790	19,005	24,039	16,526
Mississippi.....	35	67,315	1,600	770	3,222	13,307	6,401	3,912	7,270	8,158	11,753	10,923
North Carolina.....	12	281,741	4,979	521	13,913	67,502	18,773	16,689	24,119	54,987	45,998	34,260
South Carolina.....	28	113,377	1,359	177	6,814	23,897	10,397	7,071	12,037	15,819	18,522	17,285
Tennessee.....	19	178,362	1,805	541	8,243	36,055	14,790	13,301	19,943	25,678	37,475	20,531
Virginia.....	13	261,355	2,320	1,044	12,561	31,792	23,009	15,007	22,024	45,969	61,451	46,178
West Virginia.....	40	42,271	309	2,863	1,980	6,760	4,551	2,237	4,239	4,816	7,719	6,795
Southwest		1,044,714	15,067	57,581	51,262	149,173	106,628	75,069	100,350	156,992	209,961	122,632
Arizona.....	23	156,303	2,246	1,136	9,292	24,382	11,154	16,463	28,714	34,652	34,652	18,140
New Mexico.....	37	54,364	1,043	5,051	2,290	8,862	4,067	2,186	4,838	7,219	9,787	9,022
Oklahoma.....	29	91,773	2,138	5,146	3,614	14,824	8,480	5,375	9,338	11,383	16,849	14,625
Texas.....	3	742,274	9,639	46,247	36,066	101,105	82,927	57,384	69,711	109,676	148,674	80,845
Rocky Mountain		314,569	6,145	9,800	20,135	36,195	34,340	19,342	29,999	51,085	67,522	40,006
Colorado.....	21	167,918	2,261	2,913	11,084	16,257	20,376	10,726	15,911	28,734	40,342	19,313
Idaho.....	41	37,031	1,870	169	2,414	8,468	2,874	2,277	3,632	4,306	6,180	4,842
Montana.....	47	21,777	846	812	1,218	1,578	2,563	1,352	2,180	3,074	4,566	3,587
Utah.....	33	68,549	713	1,208	4,405	8,559	5,901	4,254	6,881	12,685	14,268	9,675
Wyoming.....	48	19,294	454	4,698	1,014	1,333	2,626	733	1,394	2,286	2,166	2,589
Far West		1,828,052	33,898	17,350	83,651	252,629	135,717	117,080	167,165	374,507	439,917	206,137
Alaska.....	45	27,747	433	6,041	1,266	1,073	4,401	837	1,858	2,852	3,690	5,296
California.....	1	1,344,623	24,887	9,233	55,472	189,962	94,183	87,392	121,300	293,110	328,274	141,109
Hawaii.....	39	42,364	509	44	1,853	1,296	4,288	1,602	4,663	9,520	9,515	9,074
Nevada.....	32	74,745	582	1,392	7,399	3,066	5,924	3,386	7,920	13,379	24,131	7,566
Oregon.....	26	118,637	3,066	159	6,365	30,608	8,199	8,521	9,630	16,768	21,218	14,102
Washington.....	14	219,937	4,722	481	11,296	26,625	18,722	15,341	21,795	38,877	53,089	28,990

NOTE: Totals shown for the United States differ from the national income and product account estimates of gross domestic product (GDP) because GSP is derived from gross domestic income, which differs from GDP by the statistical discrepancy. In addition, GSP excludes and GDP includes the compensation of Federal civilian and military personnel

stationed abroad and government consumption of fixed capital for military structures located abroad and for military equipment, except office equipment. Also, GSP and GDP have different revision schedules. Source: This table reflects the GSP estimates for 2000 that were released on June 10, 2002. Detailed estimates are available on BEA's Web site at <www.bea.gov> under "State and local area data."

K. Local Area Table

Table K.1. Personal Income and Per Capita Personal Income by Metropolitan Area, 1998-2000

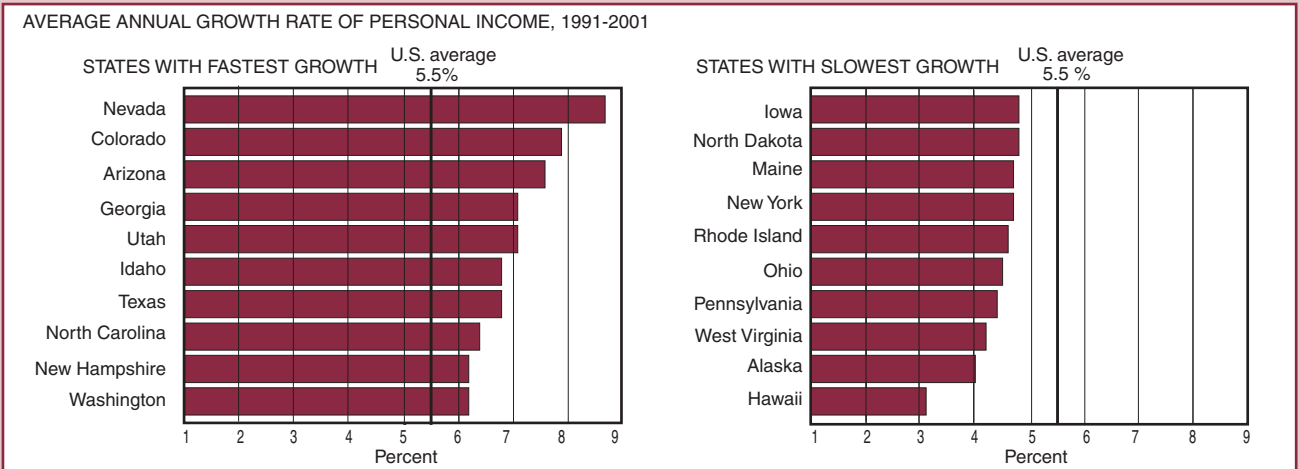
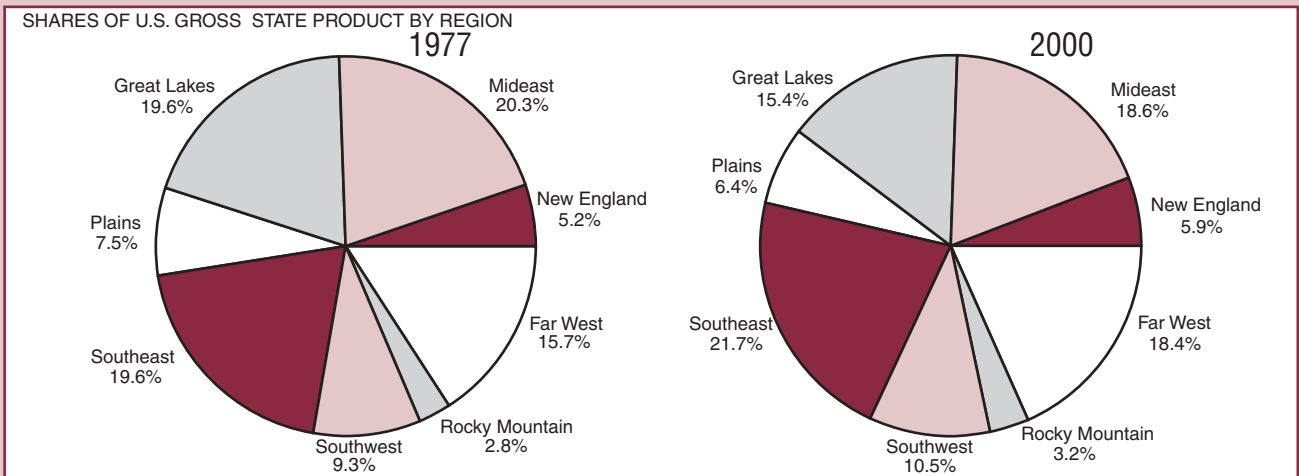
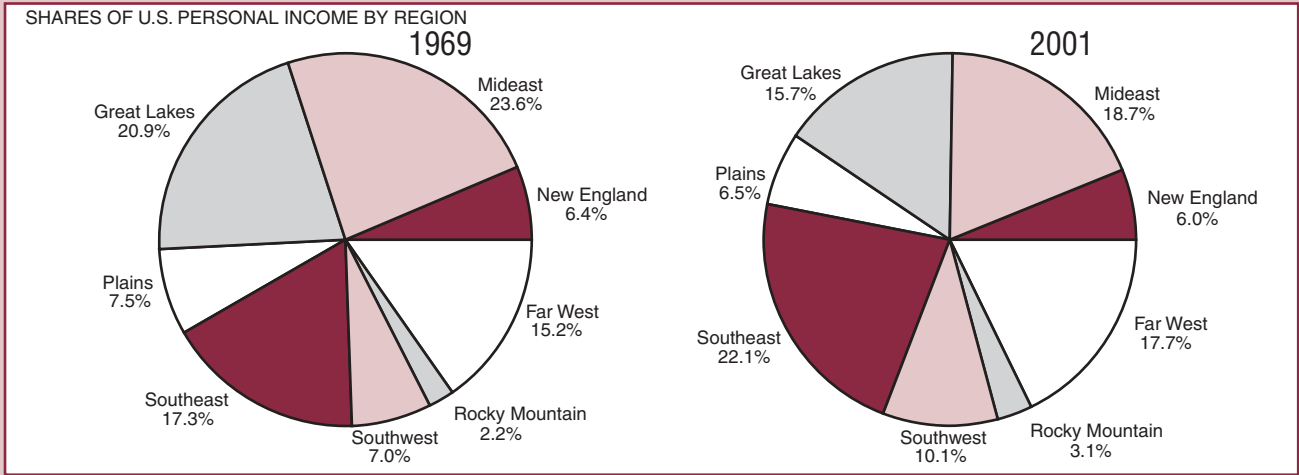
Area name	Personal income				Per capita personal income ¹				Rank in U.S.	Area name	Personal income				Per capita personal income ¹				Rank in U.S.
	Millions of dollars			Percent change ²	Dollars			Rank in U.S.			Millions of dollars			Percent change ²	Dollars			Rank in U.S.	
	1998	1999	2000		1998	1999	2000				1998	1999	2000		1998	1999	2000		
United States³	7,418,497	7,769,367	8,314,032	7.0	26,893	27,843	29,469		Corvallis, OR.....	2,157	2,196	2,291	4.3	27,327	28,059	29,318	81		
Metropolitan portion	6,309,791	6,622,851	7,103,560	7.3	28,528	29,569	31,332		Cumberland, MD-WV.....	1,971	2,010	2,102	4.6	19,190	19,617	20,653	305		
Nonmetropolitan portion	1,108,706	1,146,516	1,210,472	5.6	20,277	20,922	21,847		Dallas, TX *	106,605	113,699	124,705	9.7	31,840	32,974	35,216	23		
Consolidated Metropolitan Statistical Areas									Danville, VA.....	2,150	2,199	2,314	5.2	19,461	19,936	21,028	303		
Chicago-Gary-Kenosha, IL-IN-WI	287,183	298,505	316,620	6.1	31,878	32,820	34,506		Davenport-Moline-Rock Island, IA	9,260	9,250	9,690	4.8	25,824	25,713	27,005	134		
Cincinnati-Hamilton, OH-KY-IN	54,908	57,245	60,249	5.2	28,078	29,075	30,384		Dayton-Springfield, OH	25,427	26,056	27,084	3.9	26,572	27,336	28,504	99		
Cleveland-Akron, OH	83,338	85,770	89,742	4.6	28,294	29,115	30,464		Daytona Beach, FL	10,308	10,587	11,232	6.1	21,519	21,754	22,660	276		
Dallas-Fort Worth, TX	150,138	160,079	174,907	9.3	30,167	31,267	33,289		Decatur, AL	3,274	3,423	3,521	2.9	22,707	23,573	24,108	228		
Denver-Boulder-Greeley, CO	78,606	85,196	94,440	10.9	31,947	33,652	36,370		Decatur, GA	2,927	3,049	3,150	3.3	25,353	26,479	27,516	124		
Detroit-Ann Arbor-Flint, MI	162,694	169,368	178,609	5.5	29,973	31,114	32,694		Denver, CO *	65,598	70,982	78,793	11.0	32,532	34,267	37,153	18		
Houston-Galveston-Brazoria, TX	136,556	142,509	155,001	8.8	30,403	30,982	33,025		Des Moines, IA	13,074	13,700	14,340	4.7	29,503	30,402	31,347	53		
Los Angeles-Riverside-Orange County, CA	428,551	451,458	482,176	6.8	26,909	27,892	29,329		Detroit, MI *	134,925	140,283	147,828	5.4	30,410	31,601	33,259	36		
Miami-Fort Lauderdale, FL	95,902	98,951	105,353	6.5	25,337	25,937	27,033		Dothan, AL	2,943	3,071	3,202	4.3	21,566	22,357	23,197	259		
Milwaukee-Racine, WI	49,851	51,775	54,331	4.9	29,698	30,734	32,137		Dover, DE	2,772	2,862	3,025	5.7	22,348	22,787	23,795	238		
New York-New Jersey-Long Island, NY-NJ-CT-PA	741,023	774,361	836,234	8.0	35,723	36,956	39,568		Dubuque, IA	2,173	2,174	2,287	5.2	24,481	24,450	25,645	172		
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	187,702	194,772	206,743	6.1	30,592	31,598	33,377		Duluth-Superior, MN-WI	5,789	5,738	6,339	6.0	23,893	24,591	26,005	162		
Portland-Salem, OR-WA	61,119	64,272	69,210	7.7	27,332	28,687	30,453		Dutchess County, NY *	7,710	7,964	8,687	9.1	28,160	28,690	30,939	57		
Sacramento-Yolo, CA	46,577	50,012	54,157	8.3	26,894	28,299	29,951		Eau Claire, WI	3,432	3,584	3,785	5.6	23,435	24,321	25,472	178		
San Francisco-Oakland-San Jose, CA	257,252	283,762	328,725	15.8	37,277	40,660	46,586		El Paso, TX	11,624	11,988	12,643	5.5	17,318	17,749	18,535	312		
Seattle-Tacoma-Bremerton, WA	112,042	121,281	127,818	5.4	32,307	34,412	35,877		Elkhart-Goshen, IN	4,372	4,627	4,857	5.0	20,478	21,674	26,485	149		
Washington-Baltimore, DC-MD-VA-WV	247,605	262,832	283,865	8.0	33,416	34,955	37,168		Elmira, NY	2,085	2,145	2,281	6.4	22,711	23,499	25,069	191		
Metropolitan Statistical Areas⁴									Enid, OK	1,328	1,326	1,373	3.5	22,841	22,791	23,815	237		
Abilene, TX	2,881	2,964	3,096	4.5	22,971	23,460	24,487	214	Erie, PA	6,504	6,649	6,944	4.4	23,082	23,637	24,740	199		
Akron, OH *	18,584	19,186	20,194	5.3	26,893	27,680	29,023	90	Eugene-Springfield, OR	7,590	7,904	8,271	4.1	22,744	24,564	25,584	175		
Albany, GA	2,567	2,635	2,770	5.1	21,313	21,864	22,920	267	Evansville-Henderson, IN-KY	7,640	7,896	8,310	5.2	25,940	26,712	28,048	108		
Albany-Schenectady-Troy, NY	24,112	24,816	26,233	5.7	27,587	28,392	29,942	71	Fargo-Moorhead, ND-MN	4,258	4,555	4,720	4.1	24,914	26,230	27,024	133		
Albuquerque, NM	16,861	17,372	18,503	6.5	24,043	24,598	25,894	164	Fayetteville, NC	6,862	7,105	7,542	5.2	22,912	23,558	24,899	193		
Alexandria, VA	2,833	2,901	3,006	3.6	22,509	23,006	23,777	239	Fayetteville-Springdale-Rogers, AR	6,356	6,806	7,306	7.4	21,588	22,442	23,316	251		
Allentown-Bethlehem-Easton, PA-NJ	16,797	17,530	18,614	6.2	26,606	27,593	29,146	88	Flagstaff, AZ-UT	2,432	2,528	2,700	6.8	20,111	20,842	22,000	288		
Altoona, PA	2,908	3,031	3,165	4.4	22,284	23,361	24,533	210	Flint, MI *	10,470	10,672	11,017	3.2	24,171	24,567	25,217	186		
Amarillo, TX	4,981	5,047	5,333	5.7	23,404	23,387	24,429	217	Florence, AL	2,877	2,956	3,060	3.5	20,254	20,770	21,397	295		
Anchorage, AK	8,403	8,599	9,108	5.9	32,668	33,156	34,950	24	Florence, SC	2,790	2,902	3,085	6.3	22,336	23,107	24,517	211		
Ann Arbor, MI *	17,299	18,414	19,765	7.3	31,002	32,312	33,987	32	Fort Collins-Loveland, CO	6,219	6,676	7,376	7.6	25,830	27,017	29,178	87		
Annisston, AL	2,361	2,369	2,364	-0.2	20,146	20,620	21,232	298	Fort Lauderdale, FL *	43,721	44,557	47,997	10.7	28,015	27,950	29,409	80		
Appleton-Oshkosh-Neenah, WI	9,082	9,545	10,179	6.6	25,858	26,864	28,332	102	Fort Myers-Cape Coral, FL	10,924	11,196	11,834	5.7	25,893	25,917	26,655	142		
Asheville, NC	5,554	5,706	6,032	5.7	25,142	25,506	26,618	144	Fort Pierce-Port St. Lucie, FL	8,644	8,932	9,367	4.7	27,779	28,237	29,206	85		
Atlanta, GA	3,262	3,407	3,589	5.3	22,001	22,542	23,311	253	Fort Smith, AR-OK	4,113	4,319	4,625	7.1	20,384	21,104	22,249	282		
Atlanta, GA	116,796	126,048	136,832	8.6	30,121	31,435	33,013	37	Fort Wayne, IN	4,093	4,254	4,530	6.5	24,363	25,163	26,501	148		
Atlantic-Cape May, NJ *	10,234	10,373	10,954	5.6	29,262	29,420	30,824	63	Fort Worth-Arlington, TX *	43,532	46,380	50,202	8.2	26,729	27,745	29,305	82		
Auburn-Opelika, AL	1,920	2,021	2,135	5.6	17,466	17,901	18,484	313	Fresno, CA	17,465	18,462	19,556	5.9	19,454	20,260	21,121	301		
Augusta-Aiken, GA-SC	10,502	10,817	11,389	5.3	22,320	22,800	23,816	236	Gadsden, AL	2,072	2,119	2,219	4.7	19,852	20,375	21,486	294		
Austin-San Marcos, TX	32,797	36,972	40,483	9.5	28,382	30,659	32,039	44	Gainesville, FL	4,938	5,063	5,347	5.6	23,217	23,455	24,507	212		
Bakersfield, CA	12,577	12,921	13,787	6.7	19,559	19,717	20,767	304	Galveston-Texas City, TX *	6,251	6,387	6,660	4.3	25,446	25,662	26,564	145		
Baltimore, MD *	74,127	77,608	82,502	6.3	29,354	30,551	32,265	42	Gary, IN *	15,702	16,146	17,196	6.5	24,947	25,604	27,216	129		
Bangor, ME (NECMA)	3,124	3,244	3,426	5.6	21,605	22,387	23,653	242	Glens Falls, NY	2,698	2,751	2,893	5.2	21,856	22,169	23,262	256		
Barnstable-Yarmouth, MA (NECMA)	6,912	7,430	8,128	9.4	32,223	33,932	36,417	20	Goldensboro, NC	2,217	2,222	2,443	9.9	19,543	19,635	21,550	292		
Baton Rouge, LA	14,061	14,542	15,176	4.4	23,787	24,312	25,117	190	Grand Forks, ND-MN	2,264	2,264	2,388	5.5	22,657	23,122	24,572	208		
Beaumont-Port Arthur, TX	8,795	8,798	9,146	3.9	22,974	22,851	23,756	240	Grand Junction, CO	2,562	2,709	2,885	6.5	22,738	23,591	24,693	201		
Bellingham, WA	3,550	3,707	3,876	4.6	22,048	22,525	23,133	261	Grand Rapids-Muskegon-Holland, MI	27,695	28,933	30,550	5.6	26,095	26,853	27,977	110		
Benton Harbor, MI	3,853	4,018	4,171	3.8	23,776	24,799	25,659	170	Great Falls, MT	1,881	1,896	1,978	4.3	23,304	23,527	24,661	202		
Bergen-Passaic, NJ *	51,904	53,692	58,721	9.4	38,142	39,239	42,726	4	Greeley, CO *	3,521	3,822	4,126	8.0	21,144	21,921	22,539	278		
Billings, MT	3,100	3,179	3,376	6.2	24,285	24,697	26,057	160	Green Bay, WI	6,102	6,365	6,659	4.6	27,442	28,311	29,295	83		
Blount-Gulfport-Pascagoula, MS	7,741	8,127	8,429	5.0	21,773	22,234	23,097	262	Greensboro-Winston-Salem-High Point, NC	32,570	33,716	35,799	6.2	26,716	27,237	28,522	98		
Binghamton, NY	5,773	5,959	6,244	4.8	22,798	23,575	24,779	198	Greenville, NC	2,936	2,911	3,299	13.3	22,499	21,964	24,599	207		
Birmingham, AL	24,406	25,652	26,814	4.5	26,791	27,966	29,057	89	Greenville-Spartanburg-Anderson, SC	21,965	22,964	24,403	6.3	23,404	24,108	25,277	184		
Bismarck, ND	2,200	2,272	2,426	6.8	23,487	24,107	25,586	174	Hagerstown, MD *	2,945	3,012	3,206	6.5	22,570	22,960	24,267	221		
Bloomington, IN	2,662	2,779	2,955	6.3	22,308	23,098	24,503	213	Hamilton-Middletown, OH *	7,397	7,837	8,303	5.3	25,5					

Table K.1. Personal Income and Per Capita Personal Income by Metropolitan Area, 1998-2000—Continued

Area name	Personal income				Per capita personal income ¹				Area name	Personal income				Per capita personal income ¹			
	Millions of dollars			Percent change ²	Dollars			Rank in U.S.		Millions of dollars			Percent change ²	Dollars			Rank in U.S.
	1998	1999	2000		1998	1999	2000			1998	1999	2000		1998	1999	2000	
La Crosse, WI-MN	3,064	3,164	3,323	5.0	24,438	25,100	26,165	156	Reno, NV	10,552	11,195	11,911	6.4	32,502	33,636	34,879	25
Lafayette, LA	8,201	8,151	8,572	5.2	21,219	21,219	22,210	284	Richland-Kennewick-Pasco, WA	4,150	4,269	4,598	7.7	22,582	23,279	23,872	235
Lafayette, IN	4,093	4,205	4,455	5.9	22,338	23,179	24,330	220	Richmond-Petersburg, VA	27,932	29,358	31,271	6.5	26,636	27,744	31,292	54
Lake Charles, LA	3,988	4,054	4,166	2.8	21,841	22,103	22,701	272	Riverside-San Bernardino, CA*	66,827	71,205	76,593	7.6	21,500	22,325	23,350	248
Lakeland-Winter Haven, FL	10,122	10,478	11,306	7.9	21,469	21,919	23,285	255	Roanoke, VA	6,288	6,493	6,883	6.0	26,766	27,579	29,181	86
Lancaster, PA	11,981	12,495	13,298	6.4	25,806	26,706	28,195	106	Rochester, MN	3,622	3,867	4,151	7.3	30,171	31,547	33,283	35
Lansing-East Lansing, MI	10,949	11,526	12,050	4.5	24,474	25,780	26,895	136	Rochester, NY	29,626	30,133	31,213	3.6	27,024	27,488	28,419	101
Laredo, TX	2,572	2,712	2,945	8.6	14,053	14,347	15,114	316	Rockford, IL	9,165	9,419	9,769	3.7	25,083	25,570	26,253	154
Las Cruces, NM	2,818	2,905	3,032	4.4	16,376	16,705	17,321	314	Rocky Mount, NC	3,250	3,080	3,524	14.4	22,739	21,488	24,629	204
Las Vegas, NV-AZ	37,556	40,561	43,615	7.5	26,320	26,985	27,558	121	Sacramento, CA*	42,528	45,671	49,567	8.5	27,086	28,509	30,252	67
Lawrence, KS	2,043	2,135	2,278	6.7	20,941	21,461	22,747	271	Saginaw-Bay City-Midland, MI	10,028	10,320	10,772	4.4	24,846	25,590	26,733	141
Lawton, OK	2,285	2,349	2,443	4.0	19,771	20,235	21,332	297	St. Cloud, MN	3,700	3,826	4,072	6.3	22,650	23,124	24,210	224
Lewisston-Auburn, ME (NECMA)	2,316	2,413	2,497	3.5	22,463	23,333	24,045	229	St. Joseph, MO	2,204	2,303	2,455	6.6	21,715	22,601	23,944	234
Lexington, KY	12,170	12,785	13,743	7.5	26,121	26,975	28,597	97	St. Louis, MO-IL	75,458	77,468	81,709	5.5	29,184	29,855	31,354	52
Lima, OH	3,555	3,702	3,864	4.4	22,894	23,909	24,890	194	Salem, OR*	7,574	7,999	8,354	4.4	22,391	23,000	24,000	231
Lincoln, NE	6,509	6,858	7,217	5.2	26,611	27,717	28,752	94	Salinas, CA	10,442	11,127	11,970	7.6	26,919	28,081	29,695	73
Little Rock-North Little Rock, AR	14,634	15,240	16,045	5.3	25,598	26,327	27,417	126	Salt Lake City-Ogden, UT	31,226	32,672	34,868	6.7	23,953	24,738	26,075	159
Longview-Marshall, TX	4,677	4,764	5,009	5.2	22,492	22,804	23,992	232	San Angelo, TX	2,338	2,404	2,520	4.8	22,475	23,136	24,235	223
Los Angeles-Long Beach, CA*	253,406	265,291	281,835	6.2	27,208	28,111	29,522	78	San Antonio, TX	36,977	38,704	41,629	6.4	23,903	24,612	25,741	166
Louisville, KY-IN	28,201	29,247	31,008	6.0	27,866	28,670	30,191	68	San Diego, CA	78,156	84,993	91,850	8.7	28,558	30,289	32,515	41
Lubbock, TX	5,475	5,594	5,978	6.9	22,851	23,235	24,613	205	San Francisco, CA*	78,465	85,983	94,425	15.6	45,683	49,830	57,414	1
Lynchburg, VA	4,704	4,910	5,194	5.8	22,169	22,976	24,141	226	San Jose, CA*	66,666	76,769	82,880	21.0	40,185	45,928	55,157	2
Macon, GA	7,490	7,814	8,234	5.4	23,505	24,357	25,474	177	San Luis Obispo-Atascadero-Paso Robles, CA*	5,869	6,231	6,669	7.0	24,453	25,592	26,932	135
Madison, WI	13,090	13,737	14,679	6.9	31,152	32,456	34,301	30	Santa Barbara-Santa Maria-Lompoc, CA	11,416	12,132	13,085	7.9	28,920	30,567	32,734	38
Manfield, OH	3,826	3,908	4,101	4.9	21,746	22,156	23,347	249	Santa Cruz-Watsonville, CA*	7,686	8,398	9,610	14.4	30,636	33,107	35,567	17
McAllen-Edinburg-Mission, TX	6,720	7,105	7,659	7.8	12,492	12,782	13,344	318	Santa Fe, NM	4,226	4,395	4,626	5.2	29,261	30,007	31,249	55
Medford-Ashlund, OR	4,005	4,246	4,468	5.2	22,670	23,687	24,563	209	Santa Rosa, CA	13,452	14,202	16,046	13.0	30,168	31,321	34,863	26
Melbourne-Titusville-Palm Bay, FL	11,116	11,374	12,261	7.8	23,772	24,090	25,650	171	Sarasota-Bradenton, FL	19,092	19,594	20,503	4.6	33,319	33,672	34,577	29
Memphis, TN-AR-MS	30,687	31,775	33,329	4.9	27,625	28,222	29,275	84	Savannah, GA	7,316	7,601	8,008	5.4	25,362	26,066	27,289	128
Merced, CA	3,545	3,742	3,924	4.9	17,528	18,100	18,536	311	Scranton-Wilkes-Barre-Hazleton, PA	14,638	14,950	15,708	5.1	23,206	23,827	25,191	188
Miami, FL*	52,180	54,395	57,356	5.4	23,935	24,492	25,320	183	Seattle-Bellevue-Everett, WA*	84,997	93,159	98,384	5.6	35,880	38,858	40,686	8
Middlesex-Somerset-Hunterdon, NJ*	43,472	45,564	49,749	9.2	38,155	39,393	42,392	5	Sharon, PA	2,559	2,623	2,774	5.8	21,107	21,720	23,080	263
Milwaukee-Waukesha, WI*	44,776	46,566	48,860	4.9	30,332	31,122	32,538	39	Sheboygan, WI	2,895	3,031	3,190	5.3	25,852	27,039	28,278	104
Minneapolis-St. Paul, MN-WI	96,082	101,215	109,236	7.9	33,308	34,818	36,666	19	Sherman-Denison, TX	2,306	2,426	2,597	7.1	21,546	22,218	23,400	247
Missoula, MT	2,093	2,161	2,315	7.1	22,307	22,802	24,111	227	Shreveport-Bossier City, LA	8,790	9,031	9,404	4.1	22,529	23,083	23,972	333
Mobile, AL	11,393	11,774	12,280	4.3	21,378	21,930	22,677	274	Sioux City, IA-NE	2,933	2,974	3,091	3.9	23,791	24,008	24,902	192
Modesto, CA	9,178	9,650	10,302	6.8	21,407	22,001	22,889	268	Sioux Falls, SD	4,671	4,958	5,322	7.3	28,406	29,413	30,675	64
Monmouth-Ocean, NJ*	35,161	36,478	39,362	7.9	31,952	32,721	34,812	28	South Bend, IN	6,727	6,930	7,261	4.8	25,495	26,156	27,335	127
Monroe, LA	3,109	3,258	3,396	4.2	21,055	22,135	23,061	265	Spokane, WA	9,650	9,977	10,692	7.2	23,336	24,015	25,550	176
Montgomery, AL	7,860	8,251	8,584	4.0	23,899	24,915	25,740	167	Springfield, IL	5,541	5,695	5,976	4.9	27,466	28,286	29,651	75
Muncie, IN	2,735	2,813	2,952	5.0	22,889	23,683	24,877	195	Springfield, MO	7,296	7,561	8,000	5.8	23,032	23,510	24,473	215
Myrtle Beach, SC	4,043	4,309	4,616	7.1	21,337	22,461	23,315	252	Springfield, MA (NECMA)	15,250	15,780	16,832	6.7	25,173	25,990	27,653	117
Naples, FL	8,951	9,538	10,198	6.9	38,357	38,916	40,121	10	State College, PA	3,080	3,251	3,428	5.4	22,871	24,026	25,237	185
Nashville, TN	34,143	35,748	38,263	7.0	28,598	29,429	30,962	56	Steubenville-Weirton, OH-WV	2,751	2,785	2,891	3.8	20,426	20,893	21,969	289
Nassau-Suffolk, NY*	101,028	105,063	111,360	6.0	37,229	38,387	40,353	9	Stockton-Lodi, CA	11,542	12,297	13,209	7.4	21,364	22,261	23,242	258
New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT*	71,036	74,358	79,510	6.9	42,134	43,806	46,542	3	Sumter, SC	1,964	2,040	2,148	5.3	18,620	19,464	20,493	306
New London-Norwich, CT (NECMA)	7,690	7,918	8,235	4.0	29,967	30,741	31,745	49	Syracuse, NY	17,807	18,316	19,126	4.4	24,260	25,010	26,130	158
New Orleans, LA	33,225	33,710	34,842	3.4	24,878	25,187	26,056	161	Tacoma, WA*	16,548	17,219	18,004	4.6	24,371	24,859	25,587	173
New York, NY*	321,204	337,522	365,961	8.4	35,123	36,504	39,259	15	Tallahassee, FL	6,569	6,864	7,237	5.4	23,649	24,429	25,382	181
Newark, NJ*	72,871	75,398	81,529	8.1	36,321	37,298	40,061	11	Tampa-St. Petersburg-Clearwater, FL	61,218	63,331	67,824	7.1	26,197	26,732	28,214	105
Newburgh, NY-PA*	9,167	9,590	10,211	6.5	24,411	25,125	26,211	155	Terre Haute, IN	3,173	3,265	3,424	4.9	21,192	21,844	22,977	266
Norfolk-Virginia Beach-Newsport News, VA-NC	37,362	38,836	41,180	6.0	24,154	24,929	26,159	157	Texarkana, TX-Texarkana, AR	2,564	2,673	2,808	5.0	19,916	20,647	21,636	291
Oakland, CA	78,163	84,680	95,167	12.4	33,581	35,819	39,611	13	Toledo, OH	15,919	16,490	17,011	3.2	25,739	26,667	27,521	123
Ocala, FL	5,251	5,448	5,780	6.1	20,996	21,367	22,191	285	Topeka, KS	4,369	4,478	4,724	5.5	25,799	26,418	27,784	115
Odesa-Midland, TX	6,287	5,994	6,414	7.0	25,995	24,988	27,139	131	Trenton, NJ*	12,521	13,071	14,385	10.1	36,397	37,512	40,954	7
Oklahoma City, OK	24,684	24,793	25,606	7.0	23,226	23,963	25,438	80	Tucson, AZ	19,037	20,117	21,517	6.7	22,239	22,967	23,705	241
Olympia, WA	5,055	5,267	5,513	4.7	25,018	25,711	26,460	150	Tulsa, OK	21,450	21,984	23,157	5.3	27,247	27,529	28,775	93
Omaha, NE-IA	20,377	2															

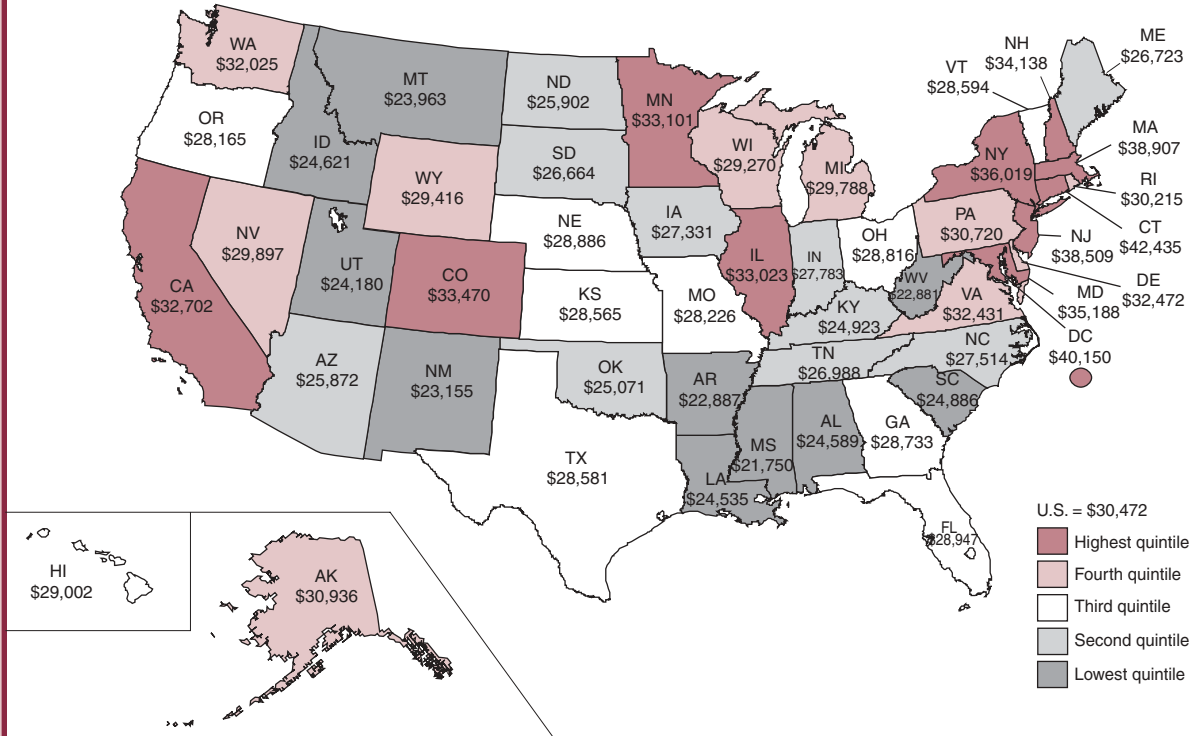
L. Charts

SELECTED REGIONAL ESTIMATES

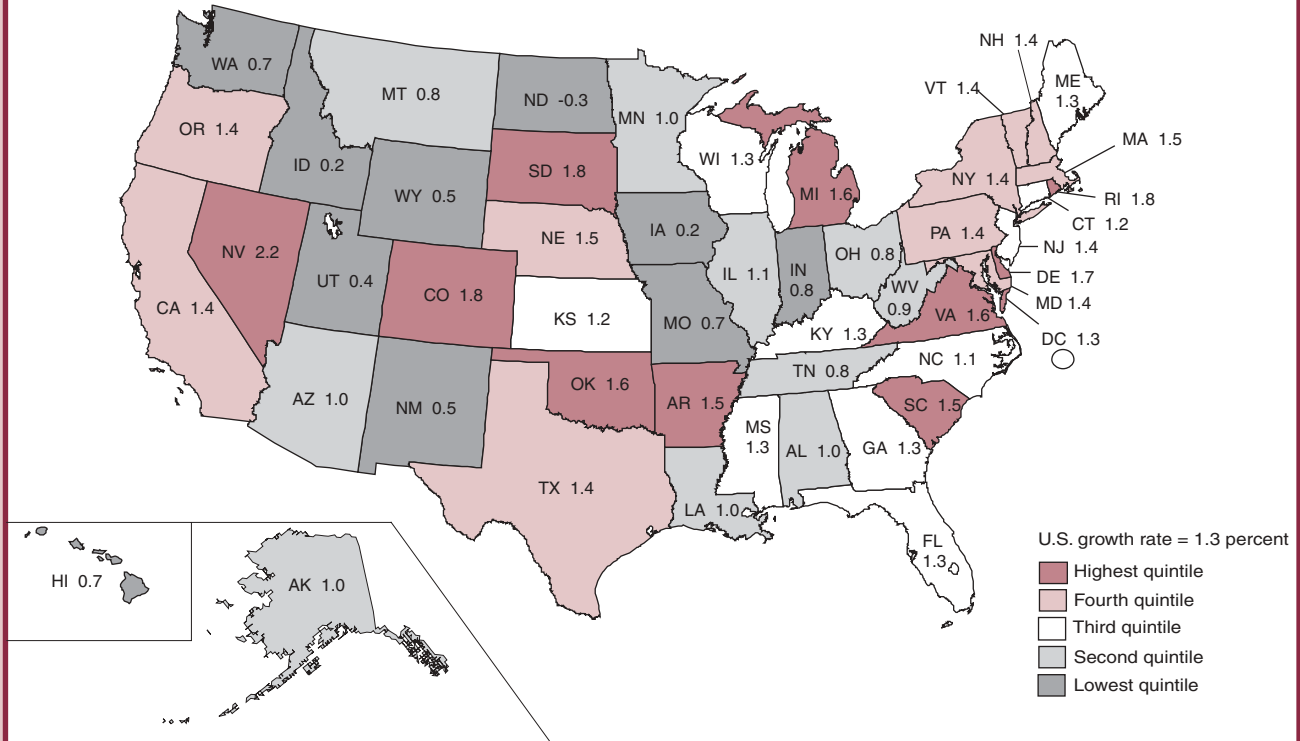


SELECTED REGIONAL ESTIMATES

PER CAPITA PERSONAL INCOME, 2001



PERSONAL INCOME: PERCENT CHANGE, 2002:I-2002:II



Appendix A

Additional Information About the NIPA Estimates

Statistical Conventions

Changes in current-dollar GDP measure changes in the market value of goods and services produced in the economy in a particular period. For many purposes, it is necessary to decompose these changes into quantity and price components. To compute the quantity indexes, changes in the quantities of individual goods and services are weighted by their prices. (Quantity changes for GDP are often referred to as changes in “real GDP.”) For the price indexes, changes in the prices for individual goods and services are weighted by quantities produced. (In practice, the current-dollar value and price indexes for most GDP components are determined largely using data from Federal Government surveys, and the real values of these components are calculated by deflation at the most detailed level for which all the required data are available.)

The annual changes in quantities and prices are calculated using a Fisher formula that incorporates weights from 2 adjacent years. For example, the annual percent change in real GDP in 1997–98 uses prices for 1997 and 1998 as weights, and the 1997–98 annual percent change in the GDP price index uses quantities for 1997 and 1998 as weights. Because the Fisher formula allows for the effects of changes in relative prices and in the composition of output over time, the resulting quantity or price changes are not affected by the substitution bias that is associated with changes in quantities and prices calculated using a fixed-weighted formula.¹ These annual changes are “chained” (multiplied) together to form time series of quantity and price; the percent changes that are calculated from these time series are not affected by the choice of reference period.

The quarterly changes in quantities and prices are calculated with weights from two adjacent quarters. As part of an annual or comprehensive revision, the quarterly indexes through the most recent complete year are adjusted to ensure that the average of the quarterly indexes conforms to the corresponding annual index.

In addition, BEA prepares measures of real GDP and its components in a dollar-denominated form, designated “chained (1996) dollar estimates.” These estimates are computed by multiplying the 1996 current-dollar value of GDP, or of a GDP component, by the corresponding quantity index number. For example, if a current-dollar GDP component equaled \$100 in 1996 and if real output for this component increased by 10 percent in 1997, then the “chained (1996) dollar” value of this com-

ponent in 1997 would be \$110 ($\100×1.10). Note that percentage changes in the chained (1996) dollar estimates and the percentage changes calculated from the quantity indexes are identical, except for small differences due to rounding.

Because of the formula used for calculating real GDP, the chained (1996) dollar estimates for detailed GDP components do not add to the chained-dollar value of GDP or to any intermediate aggregates. A “residual” line is shown as the difference between GDP and the sum of the most detailed components shown in each table. The residual generally is small close to the base period but tends to become larger as one moves further from it. Accurate measures of component contributions to the percentage changes in real GDP and its major components are shown in NIPA tables 8.2–8.6.

BEA also publishes the “implicit price deflator” (IPD), which is calculated as the ratio of current-dollar value to the corresponding chained-dollar value, multiplied by 100; the values of the IPD and of the corresponding “chain-type” price index are very close.

For quarters and months, the estimates are presented at annual rates, which show the value that would be registered if the rate of activity measured for a quarter or a month were maintained for a full year. Annual rates are used so that time periods of different lengths—for example, quarters and years—may be compared easily. These annual rates are determined simply by multiplying the estimated rate of activity by 4 (for quarterly data) or by 12 (for monthly data).

Percent changes in the estimates are also expressed at annual rates. Calculating these *changes* requires a variant of the compound interest formula:

$$r = \left[\left(\frac{x_t}{x_o} \right)^{m/n} - 1 \right] \times 100,$$

where r is the percent change at an annual rate; x_t is the level of activity in the later period; x_o is the level of activity in the earlier period; m is the periodicity of the data (for example, 1 for annual data, 4 for quarterly, or 12 for monthly); and n is the number of periods between the earlier and later periods (that is, $t - o$).

Quarterly and monthly NIPA estimates are seasonally adjusted, if necessary. Seasonal adjustment removes from the time series the average impact of variations that normally occur at about the same time and in about the same magnitude each year—for example, weather, holidays, and tax payment dates. After seasonal adjustment, cyclical and other short-term changes in the economy stand out more clearly.

1. In addition, because the changes in quantities and prices calculated using these weights are symmetric, the product of a quantity index and the corresponding price index is generally equal to the current-dollar index.

Reconciliation Tables

Table 1. Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings
[Percent change from preceding period]

	2000	2001	Seasonally adjusted at annual rates					
			2001			2002		
			II	III	IV	I	II	III ^P
BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing) ¹	7.0	2.7	0.1	1.0	1.5	2.9	3.9	4.8
Less: Contribution of supplements to wages and salaries per hour.....	-0.1	0.3	0.1	0.1	0.1	1.4	0.9	0.4
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions.....	-0.3	0.0	0.0	0.0	-0.5	0.2	0.1	0.1
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed.....	0.0	0.0	0.0	-0.4	0.2	0.0	0.0	0.1
Equals: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector	6.8	2.5	0.0	1.3	0.7	1.8	3.1	4.4
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing.....	-0.1	-0.1	0.4	0.0	0.2	-0.2	0.0	0.2
Less: Other differences ²	3.1	-1.5	-4.2	-2.5	-3.2	-1.0	0.6	1.1
Equals: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls	3.8	4.1	3.8	3.8	3.8	3.0	2.5	3.1
Addendum:								
BLS estimates of compensation per hour in the nonfarm business sector ³	7.0	2.7	0.1	1.0	1.5	2.9	3.9	4.8

^P Preliminary.

1. Includes BLS data on compensation and hours of nonfarm proprietors and hours worked of unpaid family workers.

2. Includes BEA use of non-BLS data and differences in detailed weighting. Annual estimates

also include differences in BEA and BLS benchmark procedures; quarterly estimates also include differences in seasonal adjustment procedures.

3. 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

Table 2. Relation of Net Exports of Goods and Services and Net Receipts of Income in the NIPA's to Balance on Goods and Services and Income in the ITA's

[Billions of dollars]

	Line	2000	2001	Seasonally adjusted at annual rates					
				2001				2002	
				I	II	III	IV	I	II
Exports of goods and services and income receipts, ITA's	1	1,417.2	1,281.8	1,396.2	1,326.4	1,237.9	1,166.7	1,165.4	1,217.4
Less: Gold, ITA's.....	2	6.0	4.9	6.7	7.6	2.4	2.9	2.5	3.7
Statistical differences.....	3	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.4
Other items.....	4	1.2	1.0	1.2	1.1	1.0	0.8	0.9	0.9
Plus: Adjustment for grossing of parent/affiliate interest payments.....	5	6.5	6.2	6.2	6.4	6.0	5.9	4.6	5.2
Adjustment for U.S. territories and Puerto Rico.....	6	46.9	50.7	50.8	49.6	49.3	53.3	56.6	56.6
Services furnished without payment by financial intermediaries except life insurance carriers.....	7	21.1	18.3	19.0	18.4	18.0	17.8	18.6	19.8
Equals: Exports of goods and services and income receipts, NIPA's	8	1,484.5	1,351.1	1,464.3	1,392.2	1,307.8	1,240.0	1,242.2	1,294.1
Imports of goods and services and income payments, ITA's	9	1,774.1	1,625.7	1,780.6	1,675.7	1,553.8	1,492.7	1,551.1	1,685.0
Less: Gold, ITA's.....	10	5.9	4.3	6.1	6.5	2.2	2.4	2.0	3.5
Statistical differences.....	11	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.4
Other items.....	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plus: Gold, NIPA's.....	13	-3.2	-3.4	-3.3	-3.5	-3.6	-3.3	-3.3	-3.6
Adjustment for grossing of parent/affiliate interest payments.....	14	6.5	6.2	6.2	6.4	6.0	5.9	4.6	5.2
Adjustment for U.S. territories and Puerto Rico.....	15	34.0	35.6	30.7	36.1	36.9	38.6	30.1	37.2
Imputed interest paid to rest of world.....	16	21.1	18.3	19.0	18.4	18.0	17.8	18.6	19.8
Equals: Imports of goods and services and income payments, NIPA's	17	1,826.6	1,678.0	1,827.1	1,726.7	1,608.9	1,549.3	1,600.4	1,739.8
Balance on goods and services and income, ITA's (1-9)	18	-356.9	-343.9	-384.4	-349.3	-315.9	-326.0	-385.7	-467.6
Less: Gold (2-10+13).....	19	-3.1	-2.8	-2.7	-2.4	-3.4	-2.8	-2.8	-3.4
Statistical differences (3-11).....	20	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
Other items (4-12).....	21	1.2	1.0	1.2	1.1	1.0	0.8	0.9	0.9
Plus: Adjustment for U.S. territories and Puerto Rico (6-15).....	22	12.9	15.1	20.1	13.5	12.4	14.7	26.5	19.4
Equals: Net exports of goods and services and net receipts of income, NIPA's (8-17)	23	-342.1	-326.9	-362.8	-334.5	-301.1	-309.3	-358.2	-445.7

1. Consists of statistical revisions in the NIPA's that have not yet been incorporated into the ITA's (2002:II) and statistical revisions in the ITA's that have not yet been incorporated into the NIPA's (2002:I-2002:II).

ITA's International transactions accounts
NIPA's National income and product accounts

Appendix B

Suggested Reading

The Bureau of Economic Analysis (BEA) has published a wealth of information about the methodologies that are used to prepare its national, industry, international, and regional accounts. In addition, most of this information is available on BEA's Web site at <www.bea.gov>. Look under "Methodologies"; for articles from the SURVEY OF CURRENT BUSINESS, look under "Publications."

National accounts

The national accounts encompass the detailed estimates in the national income and product accounts (including gross domestic product) and the estimates of wealth and related estimates.

National income and product accounts (NIPAs).

This series of papers documents the conceptual framework of the NIPAs and the methodologies that have been used to prepare the estimates.

An Introduction to National Economic Accounting (1985) [also in the March 1985 SURVEY]

Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends (1985) [An updated version (March 2002) is available on BEA's Web site.]

Foreign Transactions (1987)

GNP: An Overview of Source Data and Estimating Methods (1987)

Government Transactions (1988)

Personal Consumption Expenditures (1990)

The methodologies described in these papers have been updated and improved, typically as part of the comprehensive and annual revisions of the NIPAs. For more information, see the following.

National Income and Product Accounts of the United States, 1929-97 (2001) provides the definitions of the major NIPA aggregates and components, discusses the measures of real output and prices, explains how production is classified and how the NIPAs are presented, describes the statistical conventions that are used, and lists the principal source data and methods that are used to prepare the estimates of gross domestic product (GDP). [Go to <www.bea.gov/bea/an/nipaguid.htm>.]

Information about the sources and methods that are used to prepare the national estimates of personal income, which are the basis for the State estimates, is in *State Personal Income, 1929-97* (1999).

In addition, see the following articles in the SURVEY.

"Updated Summary NIPA Methodologies" (October 2002) briefly describes the principal source data and methods used to prepare the current-dollar and real estimates of GDP.

"Annual Revision of the National Income and Product Accounts" (August 2002).

"BEA's Chain Indexes, Time Series, and Measures of Long-Term Economic Growth" (May 1997) is the most recent in a series of articles that describe the conceptual basis for the chain-type measures of real output and prices that are used in the NIPAs.

"Reliability of GDP and Related NIPA Estimates" (January 2002) evaluates the principal NIPA estimates by examining the record of revisions to them.

Wealth and related estimates. *Fixed Reproducible Tangible Wealth in the United States, 1925-94* (1999) discusses the concepts and statistical considerations that underlie the estimates and their derivation.

"Fixed Assets and Consumer Durable Goods for 1925-98" (April 2000) describes the definitional and statistical improvements that were incorporated in the comprehensive revision of the estimates.

Industry accounts

The industry accounts consist of the estimates of gross domestic product by industry, the input-output accounts, and two satellite accounts.

Gross product by industry. "Improved Estimates of Gross Product by Industry for 1947-98" (June 2000) describes the most recent comprehensive revision of these estimates.

Mission Statement and Strategic Plan

The mission statement of the Bureau of Economic Analysis and the latest update to its strategic plan for improving the accuracy, reliability, and relevance of the national, industry, regional, and international accounts are available on BEA's Web site at <www.bea.gov>. See also "BEA's Strategic Plan for 2001-2005" in the May 2002 issue of the SURVEY OF CURRENT BUSINESS.

“Gross Domestic Product by Industry for 1998–2000” (November 2001) describes the most recent annual revision of these estimates.

Input-output accounts. “Benchmark Input-Output Accounts for the U.S. Economy, 1997” (December 2002) presents the 1997 accounts and describes the improvements that were incorporated.

“Annual Input-Output Accounts of the U.S. Economy” presents annual tables that update the 1992 benchmark accounts

For 1996 (January 2000)

For 1997 (January 2001)

For 1998 (December 2001)

Satellite accounts. These accounts extend the analytical capacity of the input-output accounts by focusing on a particular aspect of economic activity.

“U.S. Transportation Satellite Accounts”

For 1992 (April 1998)

For 1996 (May 2000)

“U.S. Travel and Tourism Satellite Accounts”

For 1992 (July 1998)

For 1996 and 1997 (July 2000)

International accounts

The international accounts encompass the international transactions accounts, direct investment, and international transactions in services.

International transactions accounts (ITAs). *The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures* (1990) describes the methodologies used to prepare the estimates in the ITAs and the international investment position of the United States. These methodologies are usually updated and improved as part of the annual revisions of the ITAs.

The annual revisions of the ITAs are described in a series of articles, the latest of which is published in the July 2002 SURVEY.

Direct investment. *International Direct Investment: Studies by the Bureau of Economic Analysis* (1999) is a collection of previously published articles on U.S. direct investment abroad and foreign direct investment in the United States. It also includes the following information.

The “Methodology for U.S. Direct Investment Abroad,” which is also available in *U.S. Direct Investment Abroad: 1994 Benchmark Survey, Final*

Results (1998)

“A Guide to BEA Statistics on U.S. Multinational Companies,” which is also available in the March 1995 SURVEY

“A Guide to BEA Statistics on Foreign Direct Investment in the United States,” which is also available in the February 1990 SURVEY

In addition, the updated methodology for foreign direct investment in the United States is available in *Foreign Direct Investment in the United States: Final Results From the 1997 Benchmark Survey* (2001)

International services. *U.S. International Transactions in Private Services: A Guide to the Surveys Conducted by the Bureau of Economic Analysis* (1998) describes 11 surveys. It includes classifications, definitions, release schedules, the methods used to prepare the estimates, and samples of the survey forms.

“Selected Issues in the Measurement of U.S. International Services” (June 2002) describes key issues in defining and measuring insurance, wholesale and retail trade, finance, construction, and utilities services and explores possible actions to address these issues.

Regional accounts

The regional accounts include estimates of personal income and gross state product.

Personal income. Estimates of personal income are prepared for States and for local areas.

“Comprehensive Revision of State Personal Income for 1969–99” (June 2000) summarizes the changes in the methodology that is used to prepare the estimates. The detailed methodology is available on the CD-ROM *State Personal Income, 1929–2000*.

“Comprehensive Revision of Local Area Personal Income for 1969–98” (July 2000) summarizes the changes in the methodology that is used to prepare the estimates for counties and metropolitan areas. The detailed methodology is available on the CD-ROM *Regional Economic Information System, 1969–2000*.

Gross state product. “Comprehensive Revision of Gross State Product by Industry, 1977–94” (June 1997) summarizes the sources and the methods that are used to prepare the estimates. “Gross State Product by Industry, 1977–98” (October 2000) describes the most recent comprehensive revision of these estimates.