

# SURVEY OF CURRENT BUSINESS



## In This Issue . . .

Changes in Measuring Property-Casualty Insurance Services

U.S. International Transactions, Second Quarter 2003

U.S. International Services, 2001-2002

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



## U.S. Department of Commerce

Donald L. Evans, *Secretary*

## Economics and Statistics Administration

Kathleen B. Cooper, *Under Secretary for Economic Affairs*

## Bureau of Economic Analysis

J. Steven Landefeld, *Director*

Rosemary D. Marcuss, *Deputy Director*

Dennis J. Fixler, *Chief Statistician*

Barbara M. Fraumeni, *Chief Economist*

Suzette Kern, *Associate Director for Management  
and Chief Administrative Officer*

Ralph Kozlow, *Associate Director for International Economics*

Alan C. Lorish, Jr., *Chief Information Officer*

Brent R. Moulton, *Associate Director for National  
Economic Accounts*

Sumiye Okubo, *Associate Director for Industry Accounts*

John W. Ruser, *Associate Director for Regional Economics*

The SURVEY OF CURRENT BUSINESS (ISSN 0039-6222) is published monthly by the Bureau of Economic Analysis of the U.S. Department of Commerce. Editorial correspondence should be addressed to the Editor-in-Chief, SURVEY OF CURRENT BUSINESS, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Subscriptions to the SURVEY OF CURRENT BUSINESS are maintained, and the prices are set, by the U.S. Government Printing Office, an agency of the U.S. Congress. To subscribe, call 202-512-1800, or go to <bookstore.gpo.gov>. To inquire about your subscription, call 202-512-1806. Send changes of address to Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Periodicals postage paid at Washington, DC and at additional mailing offices (USPS 337-790).

### Subscription and single-copy prices

Periodicals second-class mail: \$63.00 domestic,  
\$88.20 foreign

First-class mail: \$105.00

Single copy: \$25.00 domestic, \$35.00 foreign

Unless stated otherwise, the information in this journal is in the public domain and may be reprinted without the permission of the Bureau of Economic Analysis. Citation of the SURVEY OF CURRENT BUSINESS as the source is appreciated.

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

## BEA Advisory Committee

The BEA Advisory Committee advises the Director of BEA on matters related to the development and improvement of BEAs national, regional, industry, and international economic accounts, especially in areas of new and rapidly growing economic activities arising from innovative and advancing technologies, and it provides recommendations from the perspective of businessmen, academicians, researchers, and experts in government and international affairs.

William D. Nordhaus, *Chair, Yale University*

Alan J. Auerbach, *University of California, Berkeley*

Richard B. Berner, *Morgan Stanley*

Michael J. Boskin, *Stanford University*

Barry P. Bosworth, *The Brookings Institution*

Robert J. Gordon, *Northwestern University*

Maurine A. Haver, *Haver Analytics, Inc.*

Charles R. Hulten, *University of Maryland*

Dale W. Jorgenson, *Harvard University*

Edward E. Leamer, *University of California, Los Angeles*

Karen R. Polenske, *Massachusetts Institute of Technology*

Joel L. Prakken, *Macroeconomic Advisers, LLC*

Acting Editor-in-Chief: M. Gretchen Gibson

Production Manager: Delores J. Barber

Graphic Designer: W. Ronnie Foster

Manuscript Editor: M. Gretchen Gibson

Production Editor: Ernestine T. Gladden

Editor: Kristina L. Maze

This issue went to the printer on October 22, 2003. It incorporates data from the following monthly BEA news releases:

U.S. International Trade in Goods and  
Services (Sept. 11),

Gross Domestic Product (Sept. 26), and  
Personal Income and Outlays (Sept. 29).

# SURVEY OF CURRENT BUSINESS

October 2003

Volume 83 • Number 10

## **1 Business Situation: Final Estimates for the Second Quarter of 2003**

Real GDP increased 3.3 percent in the second quarter, according to the final estimates. Last month, the “preliminary” estimates had shown a 3.1-percent increase. The upward revision was mainly accounted for by inventory investment and residential investment. Corporate profits increased \$80.6 billion (9.9 percent at a quarterly rate) in the second quarter, a downward revision of \$7.7 billion from the estimate released a month ago.

## **7 Real Inventories, Sales, and Inventory-Sales Ratios for Manufacturing and Trade, 2003:II**

Four tables present the latest quarterly and monthly estimates of real inventories and sales for manufacturing and trade and of real inventories by stage of fabrication for manufacturing.

## **10 Measuring the Services of Property-Casualty Insurance in the NIPAs: Changes in Concepts and Methods**

As part of the upcoming comprehensive revision of the NIPAs, the measure of the services of property and casualty insurance will be changed in order to recognize the implicit services that are funded by investment income, to adopt a treatment of insured losses that is more consistent with the economic behavior of the insurer, and to change the treatment of reinsurance. As a result of this change, the average annual output of property-casualty insurance has significantly increased, and the large swings in the measured services that are caused by catastrophes are eliminated.

## **28 U.S. International Transactions, Second Quarter 2003**

The U.S. current-account deficit increased \$7.5 billion, to \$136.1 billion, in the second quarter. About half of the increase was accounted for by an increase in the deficit on goods, but decreases in the surpluses on services and on income and an increase in net outflows for unilateral current transfers also contributed. Net recorded financial inflows decreased \$39.8 billion, as financial outflows for U.S.-owned assets abroad increased and financial inflows for foreign-owned assets in the United States decreased.

## **58 U.S. International Services: Cross-Border Trade in 2002 and Sales Through Affiliates in 2001**

In 2002, U.S. exports of private services increased 1 percent to \$279.5 billion, and U.S. imports of services increased 2 percent to \$205.2 billion. The modest recovery

reflected pickups in economic activity in the United States and in many foreign countries. In 2001, the most recent year for which data are available, sales of private services abroad by foreign affiliates of U.S. companies increased 5 percent to \$432.1 billion, and sales of private services in the United States by U.S. affiliates of foreign companies increased 7 percent to \$366.9 billion. Growth slowed from 2000 because of the slow worldwide economic growth in 2001 and the end of the exceptionally high levels of cross-border mergers and acquisitions.

## D-1 BEA Current and Historical Data

Inside back cover: BEA Web Site and BEA Contacts

Back cover: Schedule of Upcoming News Releases

### LOOKING AHEAD

#### **Comprehensive Revision of the National Income and Product Accounts.**

The release of the upcoming comprehensive revision of the NIPAs is scheduled for December 10, 2003. An article in the June 2003 SURVEY described the upcoming changes in definitions and classifications, an article in the August SURVEY described the new and redesigned NIPA tables, and an article in the September SURVEY described the statistical changes.

# Business Situation

## Final Estimates for the Second Quarter of 2003

ACCORDING to the “final” estimates of the national income and product accounts (NIPAs), real GDP increased 3.3 percent in the second quarter of 2003, 0.2 percentage point more than in last month’s “preliminary” estimates (table 1 and chart 1).<sup>1</sup>

The picture of the economy shown in the final estimates is very similar to that shown in the preliminary estimates. In both sets of estimates,

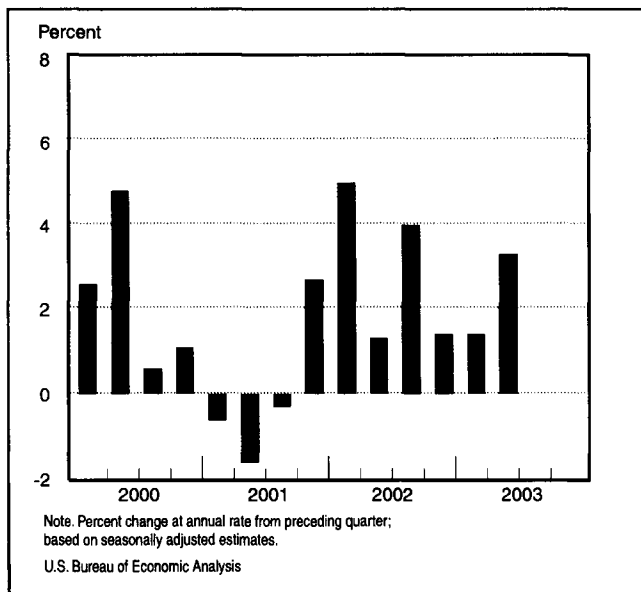
- The growth of GDP and gross domestic purchases stepped up considerably in the second quarter.
- Consumer spending and government spending contributed the most to second-quarter GDP growth and to the step-up from the first quarter to the second (table 2).<sup>2</sup>

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.

2. In this article, “consumer spending” is shorthand for the NIPA series “personal consumption expenditures,” and “government spending” is shorthand for “government consumption expenditures and gross investment.” “Inventory investment” is shorthand for “change in private inventories.”

*This article was prepared by Daniel Larkins.*

**Chart 1. Real Gross Domestic Product**



- Private fixed investment increased, while inventory investment decreased.
- Prices increased much less than in the first quarter.
- Real disposable personal income (DPI) accelerated. According to the final estimates,
- Consumer spending, led by purchases of motor vehicles, contributed 2.68 percentage points to second-quarter GDP growth. Government spending, led by defense spending, contributed 1.59 percentage points.
- Nonresidential fixed investment contributed 0.74 percentage point to growth; an increase in equip-

**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							
	2003	2002	2003		2002		2003		
	II	III	IV	I	II	III	IV	I	II
<b>Gross domestic product</b> .....	9,629.4	93.2	32.6	33.8	77.4	4.0	1.4	1.4	3.3
Less: Exports of goods and services	1,055.5	12.2	-16.1	-3.5	-2.6	4.6	-5.8	-1.3	-1.0
Plus: Imports of goods and services	1,801.7	12.8	28.1	-25.4	33.3	3.3	7.4	-6.2	8.8
<b>Equals: Gross domestic purchases</b> .....	10,129.4	93.9	70.8	15.2	108.7	3.9	2.9	0.6	4.4
Less: Change in private inventories.		-17.6	13.9	7.0	-21.0	-22.4			
<b>Equals: Final sales to domestic purchasers</b> .....	10,131.0	80.1	64.0	34.6	126.3	3.3	2.6	1.4	5.1
<b>Personal consumption expenditures</b> .....	6,733.9	67.5	28.0	33.0	63.0	4.2	1.7	2.0	3.8
Durable goods .....	1,061.5	51.7	-21.8	-5.2	56.1	22.8	-9.2	-2.0	24.3
Nondurable goods .....	1,985.6	4.9	24.2	28.9	6.7	1.0	5.1	6.1	1.4
Services .....	3,728.0	20.8	20.0	7.9	13.1	2.3	2.2	0.9	1.4
<b>Private fixed investment</b> .....	1,615.3	-1.0	16.9	-0.6	27.4	-0.3	4.4	-0.1	7.1
Nonresidential .....	1,193.0	-2.4	6.6	-13.2	20.9	-0.8	2.3	-4.4	7.3
Structures .....	213.2	-13.5	-5.6	-1.6	2.2	-21.4	-9.9	-2.9	4.2
Equipment and software .....	999.5	15.8	14.9	-12.2	19.6	6.7	6.2	-4.8	8.3
Residential .....	412.0	1.0	8.8	9.6	6.5	1.1	9.4	10.1	6.6
<b>Government consumption expenditures and gross investment</b> .....	1,772.6	12.3	19.4	1.7	35.9	2.9	4.6	0.4	8.5
Federal .....	669.5	6.4	16.3	1.1	37.0	4.3	11.0	0.7	25.5
National defense .....	450.2	6.7	10.7	-3.5	40.5	6.9	11.0	-3.3	45.8
Nondefense .....	219.7	-0.2	5.6	4.5	-3.1	-0.3	11.1	8.4	-5.4
State and local .....	1,104.1	5.9	3.4	0.6	-0.5	2.2	1.2	0.2	-0.2
<b>Addendum: Final sales of domestic product</b> .....	9,631.1	79.3	25.9	53.1	94.9	3.4	1.1	2.3	4.0

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.)

ment and software was mainly responsible. Residential investment contributed 0.31 percentage point to growth, mainly on the strength of brokers' commissions on home sales. In contrast, inventory investment swung from accumulation to liquidation and subtracted 0.74 percentage point from GDP growth.

- Imports increased, subtracting 1.21 percentage points from GDP growth, and exports decreased slightly, subtracting 0.09 percentage point.
- The price index for gross domestic purchases increased 0.4 percent in the second quarter after increasing 3.4 percent in the first. The slowdown was mainly accounted for by a downturn in energy prices.
- Real DPI increased 2.6 percent after increasing 1.6 percent.

**Table 2. Contributions to Percent Change in Real Gross Domestic Product**  
[Seasonally adjusted at annual rates]

	2002		2003	
	III	IV	I	II
<b>Percent change at annual rate:</b>				
Gross domestic product .....	4.0	1.4	1.4	3.3
<b>Percentage points at annual rates:</b>				
Personal consumption expenditures .....	2.93	1.19	1.40	2.68
Durable goods .....	1.74	-0.72	-0.17	1.79
Nondurable goods .....	0.22	1.01	1.21	0.28
Services .....	0.97	0.90	0.36	0.60
Gross private domestic investment .....	0.55	0.93	-0.83	0.30
Fixed investment .....	-0.03	0.65	-0.02	1.05
Nonresidential .....	-0.08	0.24	-0.47	0.74
Structures .....	-0.62	-0.25	-0.07	0.10
Equipment and software .....	0.53	0.49	-0.40	0.64
Residential .....	0.05	0.41	0.45	0.31
Change in private inventories .....	0.58	0.28	-0.82	-0.74
Net exports of goods and services .....	-0.01	-1.59	0.78	-1.29
Exports .....	0.45	-0.59	-0.13	-0.09
Goods .....	0.28	-0.82	0.13	-0.10
Services .....	0.17	0.23	-0.25	0.02
Imports .....	-0.47	-1.00	0.91	-1.21
Goods .....	-0.40	-0.71	0.81	-1.50
Services .....	-0.07	-0.30	0.10	0.30
Government consumption expenditures and gross investment .....	0.56	0.85	0.08	1.59
Federal .....	0.29	0.70	0.05	1.61
National defense .....	0.29	0.46	-0.15	1.74
Nondefense .....	-0.01	0.25	0.20	-0.13
State and local .....	0.27	0.15	0.03	-0.02

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.

## Revisions

The 0.2-percentage-point revision to second-quarter real GDP growth is close to the average revision (without regard to sign) over the past 20 years, 0.3 percentage point.

Inventory investment was revised up \$3.3 billion, mainly reflecting the incorporation of revised data from the Energy Information Administration on the coal and petroleum stocks of utilities for April and newly available data for May (table 3). As a result of the upward revision, inventory investment subtracted less (0.13 percentage point) from GDP growth in the final estimate than in the preliminary estimate.

Residential investment was also revised up, mainly reflecting the incorporation of revised data from the Census Bureau on construction put in place for May and June. As a result of the revision, residential investment added 0.10 percentage point more to GDP growth in the final estimate than in the preliminary.

The effects of the revisions to inventory investment and to residential investment were partly offset by an upward revision to imports (which are subtracted in the calculation of GDP).

The revision to imports mainly reflected the incorporation of newly available Commerce Department data on the number of international travelers for June. As a result of the revision, imports subtracted 0.12 percentage point more from GDP growth in the final estimate than in the preliminary.

The news release containing the final NIPA estimates for the second quarter also included revised estimates for several first-quarter income flows. First-quarter wages and salaries were revised down, reflecting the incorporation of the most recently available data from Bureau of Labor Statistics tabulations of private wages and salaries from the state unemployment insurance program. Personal taxes and contributions for social insurance were also revised down for the first quarter, reflecting the revisions to wages and salaries. As a result of these revisions, real disposable personal income is now

estimated to have increased 1.6 percent in the first quarter (revised down from 2.1 percent) and 2.6 percent in the second quarter (revised down from 2.8 percent).

**Table 3. Revisions to Change in Real Gross Domestic Product and Prices, Second Quarter 2003**  
[Seasonally adjusted at annual rates]

	Percent change from preceding quarter		Final estimate minus preliminary estimate	
	Preliminary estimate	Final estimate	Percentage points	Billions of chained (1996) dollars
<b>Gross domestic product</b> .....	3.1	3.3	0.2	3.9
Less: Exports .....	-1.2	-1.0	0.2	0.6
Goods.....	-2.0	-1.6	0.4	0.7
Services .....	0.7	0.5	-0.2	-0.2
Plus: Imports .....	7.9	8.8	0.9	3.2
Goods.....	13.3	13.5	0.2	0.6
Services .....	-14.6	-11.4	3.2	2.1
<b>Equals: Gross domestic purchases</b> .....	4.2	4.4	0.2	6.1
Less: Change in private inventories.....				3.3
<b>Equals: Final sales to domestic purchasers</b>	5.0	5.1	0.1	2.9
Personal consumption expenditures .....	3.8	3.8	0.0	0.6
Durable goods.....	24.1	24.3	0.2	0.3
Nondurable goods .....	1.1	1.4	0.3	1.1
Services .....	1.5	1.4	-0.1	-0.6
Private fixed investment.....	6.9	7.1	0.2	0.8
Nonresidential .....	8.0	7.3	-0.7	-1.8
Structures.....	7.1	4.2	-2.9	-1.5
Equipment and software .....	8.2	8.3	0.1	0.1
Residential .....	4.5	6.6	2.1	2.0
Government consumption expenditures and gross investment.....	8.2	8.5	0.3	1.4
Federal .....	25.5	25.5	0.0	0.0
National defense .....	45.9	45.8	-0.1	-0.1
Nondefense .....	-5.4	-5.4	0.0	0.0
State and local .....	-0.7	-0.2	0.5	1.5
<b>Addenda:</b>				
Final sales of domestic product.....	4.0	4.0	0.0	0.7
Gross domestic purchases price index .....	0.2	0.4	0.2	
GDP price index.....	0.8	1.0	0.2	

Note. The final estimates for the second quarter of 2003 incorporate the following revised or additional major source data that were not available when the preliminary estimates were prepared.

*Personal consumption expenditures:* Revised retail sales for June and bank services data for the quarter.

*Nonresidential fixed investment:* Revised construction sales put-in-place for May and June.

*Residential fixed investment:* Revised construction put-in-place for May and June.

*Change in private inventories:* Revised manufacturers' and trade inventories for June, and coal and petroleum inventories of electric utilities for April (revised) and May (new).

*Exports and imports of goods and services:* International transactions accounts data on services for the first quarter (revised) and the second quarter (new).

*Government consumption expenditures and gross investment:* Revised State and local construction put-in-place for May and June.

*Wages and salaries:* Revised private wages and salaries for the first quarter, and revised employment, average hourly earnings, and average weekly hours for June.

*GDP prices:* Revised export and import prices for April through June, revised unit-value index for petroleum imports for June, and revised prices of single-family houses under construction for the quarter.

Gross National Product, next page.

## Gross National Product

In the second quarter, real gross national product (GNP) increased 3.5 percent, 0.2 percentage point more than real GDP; real GDP increased 1.4 percent in the first quarter (table 4). GNP differs from GDP by the addition of income receipts from the rest of the world and the subtraction of income payments to the rest of the world.<sup>3</sup> In the second quarter, a small increase in receipts was more than accounted for by profits received by U.S. corporations from foreign affiliates; a decrease in payments was more than accounted for by a drop in interest income earned in the United States by foreign investors.

“Command-basis” GNP increased 4.1 percent in the second quarter after increasing 0.5 percent in the first (chart 2). This variant of GNP measures the change in the purchasing power in world markets of the goods and services that are produced by the U.S. economy—in other words, the change in the quantity of goods and services that could be purchased by the United States as a result of its current production.

Changes in command-basis GNP reflect changes in the prices of traded goods and services as summarized

3. GNP is a measure of the goods and services produced by labor and property supplied by U.S. residents, regardless of where they are located; GDP is a measure of the goods and services produced by labor and property in the United States, regardless of nationality.

**Table 4. Relation of Real Gross Domestic Product, Real Gross National Product, and Real Command-Basis Gross National Product**

[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level		Change from preceding quarter			2002		2003	
	2003	2002	2003			2002	2003		
	II	III	IV	I	II	III	IV	I	II
<b>Gross domestic product</b> .....	9,629.4	93.2	32.6	33.8	77.4	4.0	1.4	1.4	3.3
Plus: Income receipts from the rest of the world .....	253.4	9.5	-3.8	-5.0	0.9	15.9	-5.7	-7.5	1.4
Less: Income payments to the rest of the world .....	255.4	1.3	-5.3	-3.8	-5.0	1.9	-7.6	-5.6	-7.4
<b>Equals: Gross national product</b> .....	<b>9,628.0</b>	<b>101.2</b>	<b>34.2</b>	<b>32.6</b>	<b>83.3</b>	<b>4.4</b>	<b>1.4</b>	<b>1.4</b>	<b>3.5</b>
Less: Exports of goods and services and income receipts from the rest of the world .....	1,304.0	22.3	-19.8	-8.9	-1.5	7.0	-5.8	-2.7	-0.5
Plus: Command-basis exports of goods and services and income receipts from the rest of the world <sup>1</sup> .....	1,327.9	20.0	-20.2	-29.2	11.7	6.1	-5.8	-8.4	3.6
<b>Equals: Command-basis gross national product</b> .....	<b>9,651.9</b>	<b>99.0</b>	<b>33.8</b>	<b>12.3</b>	<b>96.5</b>	<b>4.3</b>	<b>1.4</b>	<b>0.5</b>	<b>4.1</b>
<b>Addendum:</b>									
Terms of trade <sup>2</sup> .....	101.8	-0.2	0.0	-1.6	1.0	-0.8	0.0	-6.1	4.0

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. The terms of trade is the following ratio, with the decimal point shifted two places to the right: In the numerator, the implicit price deflator (IPD) for the sum of exports of goods and services and of income receipts; in the denominator, the IPD for the sum of imports of goods and services and of income payments.

Note. See note to table 1 for an explanation of chained (1996) dollar series. Levels of these series are shown in NIPA tables 1.10 and 1.11.

by movements in the “terms of trade”—the ratio of export prices to import prices. When the terms of trade improve (that is, when export prices rise relative to import prices), the purchasing power, or command value, of U.S. GNP in international markets increases by more than the production of goods and services valued in U.S. prices.<sup>4</sup> Conversely, when the terms of trade deteriorate (that is, when export prices fall relative to import prices), the purchasing power, or command value, of U.S. GNP in international markets increases by less than the production of goods and services valued in U.S. prices.

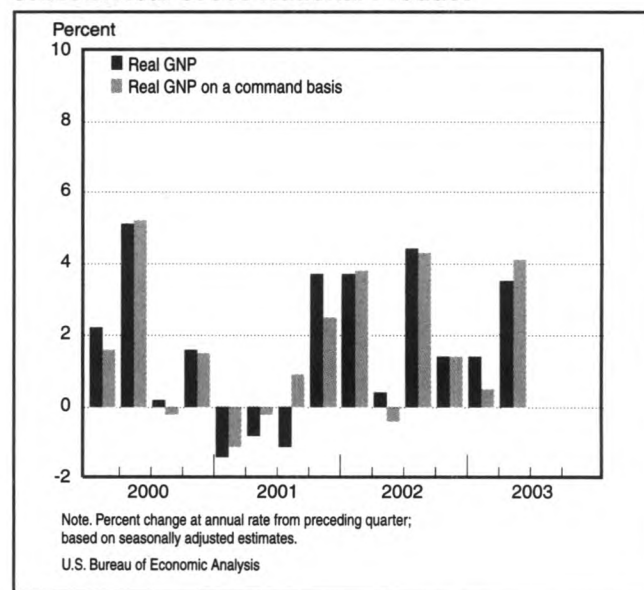
The national saving rate, which is measured as gross saving as a percentage of GNP, continued its downward trend, dropping from 13.9 percent (revised) in the first quarter to 13.7 percent in the second. The rate has declined steadily from its level of 18.5 percent in the third quarter of 2000.

4. In the estimates of command-basis GNP, the current-dollar value of the sum of exports of goods and services and income receipts is deflated by the implicit price deflator (IPD) for the sum of imports of goods and services and income payments.

The terms of trade is measured by the following ratio, with the decimal point shifted two places to the right: In the numerator, the IPD for the sum of exports of goods and services and of income receipts; in the denominator, the IPD for the sum of imports of goods and services and of income payments.

Changes in the terms of trade reflect the interaction of several factors, including movements in exchange rates, changes in the composition of the traded goods and services, and changes in producers' profit margins. For example, if the U.S. dollar depreciates against a foreign currency, a foreign manufacturer may choose to absorb this cost by reducing the profit margin on the product it sells to the United States, or it may choose to raise the price of the product and risk a loss in market share.

**Chart 2. Real Gross National Product**







**Profits with inventory valuation adjustment (IVA).** The current-production measure of profits is not available at the detailed industry level, because estimates of the capital consumption adjustment (CCAdj) do not exist at this level. (CCAdj is only available for total financial and total nonfinancial industries.) Consequently, industry profits are best measured by profits with IVA.

In the second quarter, profits with IVA and profits from current production diverged sharply, reflecting a sharp divergence in the measures of depreciation that underlie them. As was explained in more detail last month, the Jobs and Growth Tax Relief Reconciliation Act of 2003 (signed into law on May 28, 2003) increased the immediate depreciation writeoff that corporations could claim for property acquired after May 5, 2003, and placed in service before January 1, 2005.<sup>8</sup> As a result, the measure of depreciation used for tax accounting (and for profits with IVA) increased by an estimated \$75.2 billion at an annual rate in the second quarter.<sup>9</sup> In contrast, the measure of depreciation that underlies profits from current production was not affected by the tax act; this measure of depreciation approximates the value of fixed capital actually used up in the production process. Reflecting the differing impact of the tax act on the two measures of depreciation, and in contrast to the sharp increase in profits from current production, profits with IVA decreased.

For financial industries, profits with IVA decreased

8. "Business Situation," SURVEY OF CURRENT BUSINESS 83 (September 2003): 13-14.

9. At a quarterly rate, depreciation increased \$18.8 billion.

\$3.7 billion. The decrease was mainly accounted for by commercial banks.

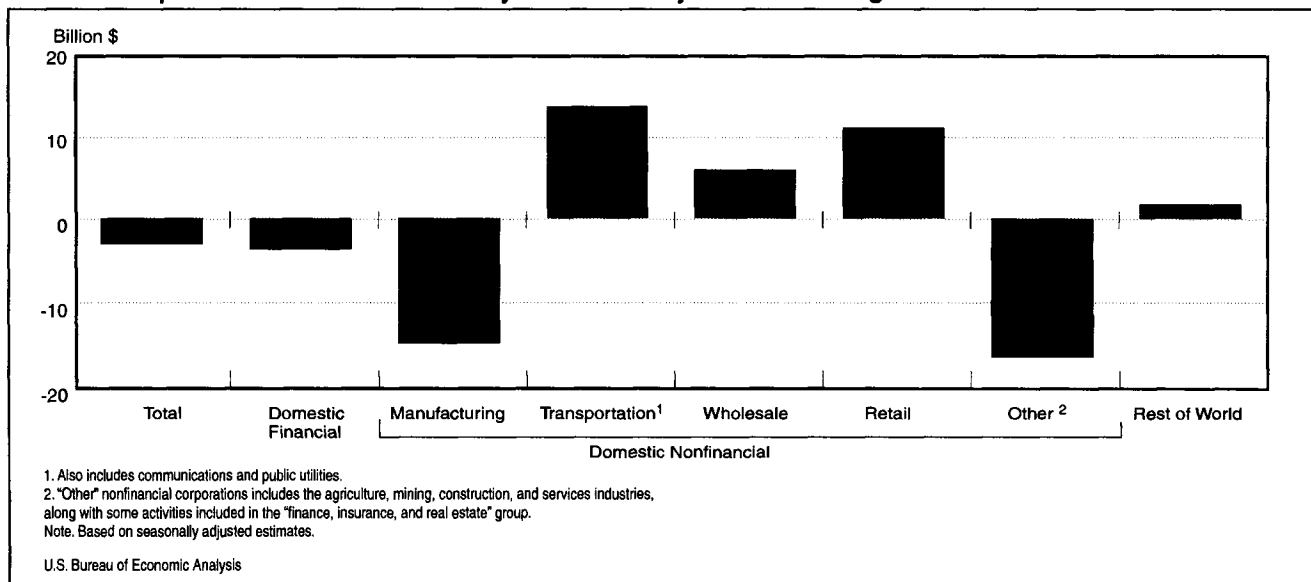
For nonfinancial industries, profits with IVA decreased \$1.1 billion. Decreased profits in manufacturing and in "other" nonfinancial corporations were largely offset by increased profits in the transportation and utility group and in wholesale and retail trade (chart 3). In manufacturing, decreases were widespread; the largest were posted by manufacturers of motor vehicles and of chemicals. In "other" nonfinancial corporations, most of the decrease was accounted for by services (which includes business services and health services).

The increase in the transportation and utilities group was mainly accounted for by a jump in airline profits in response to stepped-up subsidies provided for by the Emergency Wartime Supplemental Appropriations Act of 2003. The increase in retail trade was mostly accounted for by general merchandise stores and auto dealers.

**Profits before and after tax.** Profits before tax (PBT) decreased \$27.9 billion in the second quarter, and profits tax liability decreased \$3.5 billion.<sup>10</sup> As a result, profits after tax (PBT less profits tax liability) decreased \$24.3 billion. In contrast, profits from current production less profits tax liability increased \$84.1 billion.

10. 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.

**Chart 3. Corporate Profits with Inventory Valuation Adjustment: Change from 2003:I to 2003:II**



## Real Inventories, Sales, and Inventory-Sales Ratios for Manufacturing and Trade, 2003:II

Tables 1, 2, and 3 show quarterly and monthly estimates of real inventories, sales, and inventory-sales ratios, respectively. Table 4 shows real manufacturing inventories by stage of fabrication. Real estimates are in chained (1996) dollars.

### Data availability

The estimates for 1967:I to 1997:IV are based on the Standard Industrial Classification system, and the estimates for 1997:IV forward are based on the North American Industry Classification System. The esti-

mates are available as downloadable files on BEA's Web site at <www.bea.gov>; click on "Gross Domestic Product," look under "Supplemental estimates," and click on NIPA underlying detail and key source data tables."

The most recent estimates are also available from BEA—on diskette as part of the NIPA monthly update (product number NDS-0171) and as separate monthly printouts (product number NLS-0166). To order, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call 202-606-9666).

**Table 1B. Real Manufacturing and Trade Inventories, Seasonally Adjusted, End of Period**  
[Billions of Chained (1996) dollars]

	2003		2003					
	I	II	Feb.	Mar.	Apr. <sup>r</sup>	May <sup>r</sup>	June <sup>r</sup>	July <sup>p</sup>
<b>Manufacturing and trade industries</b> .....	<b>1,155.9</b>	<b>1,152.1</b>	<b>1,155.3</b>	<b>1,155.9</b>	<b>1,155.0</b>	<b>1,152.4</b>	<b>1,152.1</b>	<b>1,151.3</b>
<b>Manufacturing Industries</b> .....	<b>446.7</b>	<b>443.1</b>	<b>448.3</b>	<b>446.7</b>	<b>445.9</b>	<b>444.6</b>	<b>443.1</b>	<b>440.8</b>
Durable goods industries .....	272.9	269.0	274.2	272.9	272.4	271.3	269.0	266.9
Wood product manufacturing .....	8.5	8.2	8.6	8.5	8.5	8.3	8.2	8.1
Nonmetallic mineral product manufacturing .....	9.2	9.4	9.2	9.2	9.2	9.4	9.4	9.4
Primary metal manufacturing .....	21.0	19.8	21.1	21.0	20.8	20.5	19.8	19.5
Fabricated metal product manufacturing .....	30.5	30.1	30.6	30.5	30.3	30.3	30.1	29.7
Machinery manufacturing .....	35.2	34.8	35.8	35.2	35.3	35.1	34.8	34.6
Computer and electronic product manufacturing .....	60.1	58.8	60.7	60.1	59.7	59.1	58.8	58.7
Electrical equipment, appliance, and component manufacturing .....	13.1	13.0	13.2	13.1	13.1	13.1	13.0	12.8
Transportation equipment manufacturing .....	66.7	66.6	67.0	66.7	67.0	67.0	66.6	65.6
Furniture and related product manufacturing .....	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Miscellaneous manufacturing .....	18.5	18.3	18.4	18.5	18.4	18.3	18.3	18.4
Nondurable goods industries .....	173.6	173.7	173.8	173.6	173.3	173.0	173.7	173.5
Food manufacturing .....	37.6	37.1	37.3	37.6	37.1	37.2	37.1	37.0
Beverage and tobacco product manufacturing .....	11.8	11.9	11.8	11.8	12.0	11.9	11.9	11.9
Textile mills .....	5.8	5.8	5.7	5.8	5.8	5.8	5.8	5.8
Textile product mills .....	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Apparel manufacturing .....	8.3	8.5	8.3	8.3	8.4	8.5	8.5	8.6
Leather and allied product manufacturing .....	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Paper manufacturing .....	16.2	16.3	16.1	16.2	16.2	16.2	16.3	16.2
Printing and related support activities .....	6.0	5.8	6.0	6.0	5.9	5.9	5.8	5.9
Petroleum and coal product manufacturing .....	12.0	12.1	12.2	12.0	12.2	11.7	12.1	11.9
Chemical manufacturing .....	51.5	51.6	51.9	51.5	51.3	51.4	51.6	52.0
Plastics and rubber product manufacturing .....	17.8	17.9	17.8	17.8	17.8	17.8	17.9	17.7
<b>Merchant wholesale industries</b> .....	<b>305.0</b>	<b>303.2</b>	<b>304.2</b>	<b>305.0</b>	<b>304.1</b>	<b>303.3</b>	<b>303.2</b>	<b>303.3</b>
Durable goods industries .....	184.9	183.5	184.5	184.9	184.4	183.6	183.5	182.6
Nondurable goods industries .....	119.2	118.8	118.8	119.2	118.8	118.8	118.8	119.6
<b>Retail trade industries</b> .....	<b>403.4</b>	<b>404.9</b>	<b>402.0</b>	<b>403.4</b>	<b>404.0</b>	<b>403.6</b>	<b>404.9</b>	<b>406.3</b>
Motor vehicle and parts dealers .....	133.4	134.9	133.2	133.4	133.9	134.2	134.9	135.7
Furniture and home furnishings, electronics, and appliance stores .....	32.5	33.3	32.5	32.5	32.6	32.8	33.3	33.4
Building materials, garden equipment and supply stores .....	40.8	41.1	40.6	40.8	40.5	40.7	41.1	41.2
Food and beverage stores .....	30.5	30.4	30.4	30.5	30.5	30.5	30.4	30.5
Clothing and accessory stores .....	32.2	32.0	32.1	32.2	32.0	32.0	32.0	31.8
General merchandise stores .....	63.7	63.7	62.9	63.7	64.6	63.6	63.7	63.6
Other retail stores .....	70.8	70.4	71.0	70.8	70.6	70.4	70.4	70.8

<sup>p</sup> Preliminary.  
<sup>r</sup> Revised.

Note. The estimates in this table are based on the North American Industry Classification System. 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. 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 2B. Real Manufacturing and Trade Sales, Seasonally Adjusted at Monthly Rate**  
[Billions of Chained (1996) dollars]

	2003		2003					
	I	II	Feb.	Mar.	Apr. <sup>r</sup>	May <sup>r</sup>	June <sup>r</sup>	July <sup>p</sup>
<b>Manufacturing and trade industries</b>	<b>867.2</b>	<b>871.5</b>	<b>857.6</b>	<b>868.0</b>	<b>864.1</b>	<b>870.2</b>	<b>880.1</b>	<b>893.1</b>
<b>Manufacturing industries</b>	<b>324.6</b>	<b>323.0</b>	<b>320.5</b>	<b>323.8</b>	<b>319.9</b>	<b>322.6</b>	<b>326.5</b>	<b>334.0</b>
Durable goods industries	185.6	184.6	184.3	184.9	183.4	183.5	186.9	191.6
Wood product manufacturing	7.4	7.5	7.3	7.6	7.5	7.5	7.6	7.5
Nonmetallic mineral product manufacturing	7.8	7.7	7.6	7.7	7.6	7.7	7.8	7.8
Primary metal manufacturing	11.7	11.2	11.6	11.6	11.3	11.3	10.9	11.4
Fabricated metal product manufacturing	19.7	19.3	19.6	19.6	19.2	19.4	19.3	19.8
Machinery manufacturing	20.8	20.9	20.6	20.9	20.7	21.0	21.0	21.3
Computer and electronic product manufacturing	43.0	45.1	42.1	43.4	44.8	43.9	46.5	47.0
Electrical equipment, appliance, and component manufacturing	8.7	8.7	8.6	8.7	8.7	8.7	8.6	8.9
Transportation equipment manufacturing	51.7	50.2	52.3	50.8	49.7	49.6	51.2	53.4
Furniture and related product manufacturing	5.0	5.0	5.0	4.9	4.8	5.1	5.1	5.3
Miscellaneous manufacturing	9.9	9.9	9.8	10.1	9.8	9.9	10.0	10.2
Nondurable goods industries	138.7	138.0	136.0	138.5	136.2	138.7	139.2	142.0
Food manufacturing	37.7	37.8	37.3	37.5	37.9	37.6	38.0	37.8
Beverage and tobacco product manufacturing	6.1	6.1	5.9	6.3	6.1	6.1	6.2	6.2
Textile mills	3.7	3.3	3.7	3.6	3.4	3.3	3.3	3.4
Textile product mills	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Apparel manufacturing	4.6	4.4	4.5	4.5	4.4	4.4	4.5	4.5
Leather and allied product manufacturing	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Paper manufacturing	12.6	13.0	12.3	13.1	12.9	13.0	13.1	13.1
Printing and related support activities	7.5	7.5	7.4	7.5	7.6	7.5	7.4	7.3
Petroleum and coal product manufacturing	15.0	15.6	14.2	14.4	14.4	16.3	16.0	16.2
Chemical manufacturing	33.9	32.9	33.5	34.1	32.7	32.9	33.1	35.7
Plastics and rubber product manufacturing	14.6	14.3	14.4	14.6	14.1	14.3	14.5	14.6
<b>Merchant wholesale industries</b>	<b>245.8</b>	<b>245.1</b>	<b>244.3</b>	<b>245.2</b>	<b>244.0</b>	<b>244.1</b>	<b>247.0</b>	<b>248.1</b>
Durable goods industries	131.5	132.6	130.0	132.3	132.2	131.9	133.7	134.3
Nondurable goods industries	113.8	112.3	113.6	112.7	111.7	112.0	113.1	113.6
<b>Retail trade industries</b>	<b>304.3</b>	<b>311.5</b>	<b>300.0</b>	<b>306.5</b>	<b>307.8</b>	<b>311.6</b>	<b>315.0</b>	<b>319.6</b>
Motor vehicle and parts dealers	75.9	79.5	73.8	77.1	78.7	79.8	80.1	82.3
Furniture and home furnishings, electronics, and appliance stores	30.9	33.0	30.4	31.6	31.9	33.2	34.0	34.6
Building materials, garden equipment and supply stores	28.2	29.2	26.9	28.8	28.9	28.9	29.7	30.0
Food and beverage stores	37.3	37.3	37.1	37.5	37.3	37.2	37.5	37.9
Clothing and accessory stores	17.6	17.9	17.4	17.8	17.6	18.0	18.1	18.3
General merchandise stores	44.8	45.4	44.9	45.1	44.8	45.5	45.9	46.5
Other retail stores	73.9	74.4	73.8	73.3	73.4	74.4	75.4	75.8

<sup>p</sup> Preliminary.

<sup>r</sup> Revised.

Note: The estimates in this table are based on the North American Industry Classification System. Chained (1996) dollar 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.

**Table 3B. Real Inventory-Sales Ratios for Manufacturing and Trade, Seasonally Adjusted**  
[Ratio, based on chained (1996) dollars]

	2003		2003					
	I	II	Feb.	Mar.	Apr. <sup>r</sup>	May <sup>r</sup>	June <sup>r</sup>	July <sup>p</sup>
<b>Manufacturing and trade industries</b>	<b>1.33</b>	<b>1.32</b>	<b>1.35</b>	<b>1.33</b>	<b>1.34</b>	<b>1.32</b>	<b>1.31</b>	<b>1.29</b>
<b>Manufacturing industries</b>	<b>1.38</b>	<b>1.37</b>	<b>1.40</b>	<b>1.38</b>	<b>1.39</b>	<b>1.38</b>	<b>1.36</b>	<b>1.32</b>
Durable goods industries	1.47	1.46	1.49	1.48	1.49	1.48	1.44	1.39
Wood product manufacturing	1.15	1.09	1.18	1.12	1.13	1.12	1.07	1.08
Nonmetallic mineral product manufacturing	1.18	1.22	1.20	1.20	1.22	1.22	1.20	1.20
Primary metal manufacturing	1.79	1.77	1.82	1.81	1.83	1.82	1.82	1.72
Fabricated metal product manufacturing	1.55	1.56	1.56	1.56	1.58	1.57	1.56	1.50
Machinery manufacturing	1.69	1.67	1.74	1.69	1.71	1.68	1.66	1.63
Computer and electronic product manufacturing	1.40	1.31	1.44	1.38	1.33	1.35	1.27	1.25
Electrical equipment, appliance, and component manufacturing	1.50	1.50	1.54	1.51	1.51	1.51	1.50	1.44
Transportation equipment manufacturing	1.29	1.33	1.28	1.31	1.35	1.35	1.30	1.23
Furniture and related product manufacturing	1.32	1.31	1.33	1.35	1.37	1.28	1.30	1.25
Miscellaneous manufacturing	1.87	1.85	1.88	1.84	1.87	1.85	1.83	1.80
Nondurable goods industries	1.25	1.26	1.28	1.25	1.27	1.25	1.25	1.22
Food manufacturing	1.00	0.98	1.00	1.00	0.98	0.99	0.98	0.98
Beverage and tobacco product manufacturing	1.92	1.94	2.01	1.86	1.97	1.94	1.93	1.92
Textile mills	1.57	1.75	1.57	1.61	1.72	1.77	1.75	1.72
Textile product mills	1.65	1.66	1.67	1.64	1.66	1.67	1.66	1.63
Apparel manufacturing	1.81	1.92	1.83	1.85	1.93	1.91	1.89	1.92
Leather and allied product manufacturing	2.15	2.11	2.09	2.11	2.09	2.14	2.11	2.13
Paper manufacturing	1.28	1.25	1.31	1.24	1.26	1.25	1.24	1.24
Printing and related support activities	0.80	0.78	0.81	0.80	0.78	0.79	0.79	0.80
Petroleum and coal product manufacturing	0.80	0.78	0.85	0.83	0.84	0.72	0.75	0.74
Chemical manufacturing	1.52	1.57	1.55	1.51	1.57	1.56	1.56	1.46
Plastics and rubber product manufacturing	1.22	1.26	1.24	1.22	1.26	1.25	1.24	1.21
<b>Merchant wholesale industries</b>	<b>1.24</b>	<b>1.24</b>	<b>1.25</b>	<b>1.24</b>	<b>1.25</b>	<b>1.24</b>	<b>1.23</b>	<b>1.22</b>
Durable goods industries	1.41	1.38	1.42	1.40	1.40	1.39	1.37	1.36
Nondurable goods industries	1.05	1.06	1.05	1.06	1.06	1.06	1.05	1.05
<b>Retail trade industries</b>	<b>1.33</b>	<b>1.30</b>	<b>1.34</b>	<b>1.32</b>	<b>1.31</b>	<b>1.30</b>	<b>1.29</b>	<b>1.27</b>
Motor vehicle and parts dealers	1.76	1.70	1.80	1.73	1.70	1.68	1.69	1.65
Furniture and home furnishings, electronics, and appliance stores	1.05	1.01	1.07	1.03	1.02	0.99	0.98	0.97
Building materials, garden equipment and supply stores	1.45	1.41	1.51	1.42	1.40	1.41	1.39	1.38
Food and beverage stores	0.82	0.81	0.82	0.82	0.82	0.82	0.81	0.80
Clothing and accessory stores	1.83	1.79	1.84	1.81	1.82	1.78	1.77	1.74
General merchandise stores	1.42	1.40	1.40	1.41	1.44	1.40	1.39	1.37
Other retail stores	0.96	0.95	0.96	0.97	0.96	0.95	0.93	0.93

<sup>p</sup> Preliminary.

<sup>r</sup> Revised.

Note: The estimates in this table are based on the North American Industry Classification System.

**Table 4B. Real Manufacturing Inventories, by Stage of Fabrication, Seasonally Adjusted, End of Period**

[Billions of Chained (1996) dollars]

	2003		2003						
	I	II	Feb.	Mar.	Apr. <sup>r</sup>	May <sup>r</sup>	June <sup>r</sup>	July <sup>p</sup>	
<b>Materials and supplies</b>									
<b>Manufacturing industries</b> .....	<b>151.6</b>	<b>149.2</b>	<b>153.2</b>	<b>151.6</b>	<b>151.2</b>	<b>150.4</b>	<b>149.2</b>	<b>146.9</b>	
Durable goods industries.....	91.0	88.9	91.7	91.0	90.3	89.8	88.9	87.5	
Wood product manufacturing .....	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5	
Nonmetallic mineral product manufacturing.....	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.3	
Primary metal manufacturing .....	6.9	6.4	7.0	6.9	6.7	6.7	6.4	6.2	
Fabricated metal product manufacturing.....	11.7	11.4	11.7	11.7	11.6	11.6	11.4	11.3	
Machinery manufacturing.....	12.9	12.7	13.0	12.9	12.8	12.8	12.7	12.6	
Computer and electronic product manufacturing .....	22.3	21.3	22.9	22.3	22.0	21.7	21.3	20.9	
Electrical equipment, appliance, and component manufacturing.....	5.0	4.9	5.0	5.0	5.0	4.9	4.9	4.8	
Transportation equipment manufacturing.....	16.0	15.9	15.9	16.0	16.0	15.8	15.9	15.4	
Furniture and related product manufacturing.....	3.1	3.1	3.0	3.1	3.0	3.1	3.1	3.1	
Miscellaneous manufacturing.....	6.1	6.1	6.3	6.1	6.1	6.1	6.1	6.1	
Nondurable goods industries.....	60.5	60.2	61.4	60.5	60.8	60.5	60.2	59.3	
Food manufacturing .....	11.2	10.9	11.1	11.2	11.1	11.1	10.9	10.8	
Beverage and tobacco product manufacturing.....	6.1	6.0	6.1	6.1	6.1	6.0	6.0	6.0	
Textile mills .....	1.9	1.8	1.9	1.9	2.0	1.9	1.8	1.8	
Textile product mills.....	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	
Apparel manufacturing .....	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
Leather and allied product manufacturing.....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Paper manufacturing .....	8.0	8.0	8.1	8.0	8.0	8.0	8.0	8.0	
Printing and related support activities.....	1.8	1.8	1.9	1.8	1.8	1.9	1.8	1.8	
Petroleum and coal product manufacturing.....	3.0	3.4	3.3	3.0	3.4	3.4	3.4	3.3	
Chemical manufacturing .....	17.1	17.0	17.5	17.1	16.9	16.7	17.0	16.5	
Plastics and rubber product manufacturing.....	7.2	6.9	7.3	7.2	7.2	7.2	6.9	7.0	
<b>Work-in-process</b>									
<b>Manufacturing industries</b> .....	<b>129.4</b>	<b>128.2</b>	<b>129.5</b>	<b>129.4</b>	<b>129.6</b>	<b>129.4</b>	<b>128.2</b>	<b>128.3</b>	
Durable goods industries.....	100.4	99.5	100.8	100.4	101.1	101.1	99.5	99.4	
Wood product manufacturing .....	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	
Nonmetallic mineral product manufacturing.....	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Primary metal manufacturing .....	7.0	6.6	7.2	7.0	7.0	6.9	6.6	6.6	
Fabricated metal product manufacturing.....	9.0	9.0	9.1	9.0	9.1	9.1	9.0	8.9	
Machinery manufacturing.....	10.4	10.4	10.5	10.4	10.6	10.5	10.4	10.3	
Computer and electronic product manufacturing .....	20.8	20.8	21.1	20.8	21.1	21.0	20.8	21.0	
Electrical equipment, appliance, and component manufacturing.....	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.1	
Transportation equipment manufacturing.....	36.3	36.4	36.3	36.3	36.7	37.0	36.4	36.1	
Furniture and related product manufacturing.....	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	
Miscellaneous manufacturing.....	4.7	4.4	4.5	4.7	4.6	4.6	4.4	4.7	
Nondurable goods industries.....	29.0	28.7	28.7	29.0	28.5	28.3	28.7	28.9	
Food manufacturing .....	5.7	5.7	5.6	5.7	5.7	5.7	5.7	5.7	
Beverage and tobacco product manufacturing.....	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
Textile mills .....	1.1	1.2	1.1	1.1	1.1	1.2	1.2	1.2	
Textile product mills.....	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
Apparel manufacturing .....	1.5	1.4	1.5	1.5	1.5	1.4	1.4	1.4	
Leather and allied product manufacturing.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Paper manufacturing .....	1.5	1.4	1.4	1.5	1.5	1.4	1.4	1.4	
Printing and related support activities.....	1.1	1.0	1.1	1.1	1.0	1.0	1.0	1.0	
Petroleum and coal product manufacturing.....	3.4	3.1	3.3	3.4	3.1	2.8	3.1	3.3	
Chemical manufacturing .....	9.6	9.8	9.5	9.6	9.6	9.8	9.8	9.8	
Plastics and rubber product manufacturing.....	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.2	
<b>Finished goods</b>									
<b>Manufacturing industries</b> .....	<b>165.3</b>	<b>165.2</b>	<b>165.3</b>	<b>165.3</b>	<b>164.7</b>	<b>164.4</b>	<b>165.2</b>	<b>165.0</b>	
Durable goods industries.....	81.3	80.3	81.6	81.3	80.7	80.1	80.3	79.8	
Wood product manufacturing .....	3.3	3.1	3.3	3.3	3.2	3.1	3.1	3.1	
Nonmetallic mineral product manufacturing.....	4.8	4.9	4.8	4.8	4.9	4.9	4.9	4.9	
Primary metal manufacturing .....	7.0	6.8	6.9	7.0	7.0	6.9	6.8	6.7	
Fabricated metal product manufacturing.....	9.8	9.7	9.8	9.8	9.7	9.7	9.7	9.6	
Machinery manufacturing.....	12.0	11.7	12.3	12.0	12.0	11.9	11.7	11.7	
Computer and electronic product manufacturing .....	17.0	16.6	16.6	17.0	16.5	16.3	16.6	16.6	
Electrical equipment, appliance, and component manufacturing.....	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
Transportation equipment manufacturing.....	15.2	15.1	15.6	15.2	15.1	15.0	15.1	14.9	
Furniture and related product manufacturing.....	2.4	2.3	2.4	2.4	2.4	2.4	2.3	2.3	
Miscellaneous manufacturing.....	7.7	7.8	7.7	7.7	7.7	7.6	7.8	7.6	
Nondurable goods industries.....	83.9	84.7	83.6	83.9	83.9	84.1	84.7	85.0	
Food manufacturing .....	20.6	20.4	20.4	20.6	20.2	20.3	20.4	20.4	
Beverage and tobacco product manufacturing.....	4.2	4.3	4.2	4.2	4.3	4.3	4.3	4.3	
Textile mills .....	2.7	2.8	2.7	2.7	2.7	2.7	2.8	2.8	
Textile product mills.....	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	
Apparel manufacturing .....	4.7	5.0	4.6	4.7	4.8	4.9	5.0	5.1	
Leather and allied product manufacturing.....	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Paper manufacturing .....	6.7	6.8	6.6	6.7	6.7	6.8	6.8	6.8	
Printing and related support activities.....	3.1	3.0	3.1	3.1	3.1	3.0	3.0	3.0	
Petroleum and coal product manufacturing.....	5.5	5.6	5.5	5.5	5.7	5.5	5.6	5.3	
Chemical manufacturing .....	24.7	24.8	24.8	24.7	24.8	24.9	24.8	25.6	
Plastics and rubber product manufacturing.....	8.3	8.7	8.2	8.3	8.3	8.4	8.7	8.4	

<sup>p</sup> Preliminary.

<sup>r</sup> Revised.

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. 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.

# Measuring the Services of Property-Casualty Insurance in the NIPAs

## Changes in Concepts and Methods

By *Baoline Chen and Dennis J. Fixler*

AS part of the comprehensive revision of the national income and product accounts (NIPAs) that is scheduled to be released on December 10, 2003, a change in the definition of property and casualty insurance services will be introduced. This definitional change will recognize the implicit services that are funded by investment income, will adopt a treatment of insured losses that is more consistent with the economic behavior of the insurer, and will change the treatment of reinsurance. This change is briefly described in the June 2003 issue of the *SURVEY OF CURRENT BUSINESS*, and some of the associated changes in the tables are described in the August 2003 issue.<sup>1</sup>

The Bureau of Economic Analysis (BEA) currently measures services of the property-casualty insurance industry as its net premiums earned minus net losses incurred and dividend to policyholders, where net premiums and losses refer to premiums and losses net of reinsurance. However, the insurance output measured using the current definition does not include all the services provided by the property-casualty insurance companies.

Property-casualty insurance companies provide three types of services: Risk-pooling, financial services relating to insured losses, and intermediation. Insurance provides a mechanism for consumers, businesses, and government that are exposed to property-casualty losses to engage in risk reduction through pooling. The insurer provides a variety of real services for policyholders, such as loss settlements, risk surveys, and loss prevention plans. The insurer collects premiums in advance of the loss payments and holds the funds in reserves until the claims are paid. The insurer also provides intermediation services through the invest-

ment of the funds in reserves. Net gains from the invested funds in reserves are used to supplement revenue from premiums to pay for claims or for reinsurance services; in other words, policyholders pay a smaller premium in order to compensate for the opportunity cost of their funds that are held by the insurer. According to various studies that focus on the performance of property-casualty insurance services, the provision of these services of financial protection and financial intermediation represents the output of the property-casualty insurance industry (Cummins and Weiss, 2000).

Replacing the actual losses incurred with the normal losses in the calculation of insurance services is a major innovation in the definitional change. Normal losses represent the incurred losses that the insurer expects to pay (payable claims). This change in the treatment of losses recognizes that because actual losses incurred are only known after they occur, insurance companies determine the premiums for an upcoming period on the basis of their perception of the losses that they may incur. The new treatment eliminates the large swings in measured insurance services that are caused by catastrophes, such as the Northridge earthquake in 1994, Hurricane Andrew in 1992, and the terrorist attacks on September 11<sup>th</sup>, 2001.

Another significant aspect of the definitional change is the use of expected investment income as a measure of premium supplements. Premium supplements are the component of implicit services arising from the investment income earned from the investment in reserves. The inclusion of premium supplements is found in the measure of insurance output in the United Nations System of National Accounts (SNA, 1993), but its inclusion in the BEA measure of output is new. Economic models on the behavior of the insurer generally recognize that insurance companies maximize their profits by setting premiums that are based on their expectations of future losses and investment returns. The use of expected, rather than the actual, investment income to measure premium supplements is intended to better capture the economic behavior of the insurer.

1. See Moulton and Seskin (2003, 19–23) and Mayerhauser, Smith, and Sullivan (2003, 21).

*Karla Allen and Brad Gabel significantly contributed to the construction of the data sets and the preparation of the estimates. Christian Ehemann provided valuable comments and suggestions for the project. Arnold Katz, Clinton McCully, and Brent R. Moulton participated in many helpful discussions.*

A much-debated issue about the components of investment income is whether capital gains and the income on own funds should be included. In the SNA, investment income is defined as the interest and dividend income earned on technical reserves, which are the unearned premiums plus unpaid losses. In the estimation of expected investment income, net realized capital gains are included in investment income. Fixler and Moulton (2001) argue that capital gains should be included because the supply price of many services, such as financial services, is based on expected capital gains. Hill (1998) also suggests that capital gains should be treated the same as investment income.

Another issue in the computation of investment income is the treatment of mandated reserves and own-funds. In the United States, the states have regulatory authority over the operations of insurance companies, and in many cases, they mandate the holding of reserves and how the reserves must be invested. Such reserves do not appear as separate entries in the industry consolidated balance sheets. In principle, the invested mandated reserves should be treated the same as other components of technical reserves. Investment income from the insurer's own-funds is not a component in the premiums supplement and is reported separately from the investment income from the policyholders' funds, or technical reserves, on the insurer's annual statement. However, because investment funds are fungible, the industry-level rate of return to invested funds is computed with investment income from both the insurer's own funds and the policyholders funds.

Currently, insurance services are calculated from data on premiums earned and losses incurred net of reinsurance assumed and ceded.<sup>2</sup> This treatment of reinsurance is based on the assumption that reinsurance services are exports or imports or that reinsurance assumed offsets reinsurance ceded within a particular line of insurance. However, this assumption is incorrect because some domestic insurance companies specialize in reinsurance services and because the data indicate that reinsurance assumed seldom offsets reinsurance ceded within a particular line of insurance. Because insurance companies purchase reinsurance to reduce the risk that they must bear in the event of greater than expected losses, such services will be treated as an intermediate input to the insurance carriers industry or as exports of services.

Under the new definition, services of the property-casualty insurance industry will be measured as direct

2. Reinsurance is the purchase of insurance by an insurer. The buyer of the reinsurance is known as the ceding insurer and the seller of the insurance is the assuming insurer.

premiums earned plus premiums supplements minus normal losses incurred and dividends to policyholders. Direct premiums earned equal net premiums earned plus premiums received from reinsurance assumed minus premiums paid for reinsurance ceded. Further discussion on the definitional change and its impact on the national income and product accounts can be found in Moulton and Seskin (2003).

This article discusses the methodology used to incorporate the expectation behavior of the insurer into the insurance output measure. Section 2 focuses on the estimation of normal losses and expected investment income. It describes the expectation behavior of insurers regarding their future losses and their future investment income, and it discusses the statistical methodology for estimating the normal losses and expected investment income. Section 3 discusses the effect of the definitional change on the measured property-casualty insurance services. Section 4 provides the concluding remarks. The article includes a technical note that provides details on the data sources and data preparation for implementing the definitional changes.

### Estimation of Normal Losses and Expected Investment Income

To set premiums for a future period, profit-maximizing insurance companies must estimate their expected investment income, their normal losses, and their operating expenses. The importance of expectations is generally accepted, but how expectations on future losses and future investment income are formed is still debatable. Two expectations models that may explain the insurer's behavior are the adaptive expectations model and the rational expectations model.

In a simple adaptive expectations framework, individuals adjust their expectations according to the deviations of their expectations from their actual experiences. In other words, individuals adapt their expectations according to the forecast errors. Specifically, the expectation for the next period is a weighted average of the actual experience in the current period and the forecast error for the current period. If expressed recursively, the expectation for the next period is a weighted average of the current experience and of all past experiences. The weights on the lagged experiences decline exponentially, emphasizing the importance of the more recent experiences in the formation of expectations.

Adaptive expectations behavior seems consistent with the observation that insurance companies' estimates of future losses are primarily based on their past

losses. When evaluating past losses, the insurer accounts for factors, such as the characteristics of the insured, that consistently govern the general behavior of the insured over time toward the insured risks. The insurer also accounts for recent regulatory and technological changes that may have affected recent incurred losses. For example, if there were a recent change in the penalty for drunk driving, then it would likely affect the recent number of accidents caused by drunk drivers. Recent advances in technology in the insurance industry have resulted in better risk surveys and loss prevention programs that are likely to have helped reduce losses. Such factors suggest that more recent loss experiences provide more information about current trends in losses, and hence, more recent loss experiences should carry more weight in the formation of expectations on future losses.

Similarly, current and past investment income provides a major source of information to insurance companies when they estimate investment income for the future periods. However, because other factors, such as the recent performance of the economy or recent changes in tax policy on investment income, may have more influence on the current trend in investment income, recent investment experiences should be more important in the formation of expectations on future investment income.

The adaptive expectations model is a straightforward way to explain expectations behavior, but Muth (1961) pointed out that this model lacks a theoretical basis, and he proposed a rational expectations framework. Rational expectations theory implies that economic behavior underlies the formation of expectations, and expectations are based on all the information that is available when the expectations are formed. To be consistent with this theory, a structural model that seeks to explain the insurer's expectations of future losses should include past experiences and variables, such as the prices of materials and services that largely comprise loss payments, number of policyholders, trends in rulings of courts toward legal liabilities, and other variables that may affect future losses. Similarly, in addition to current and past investment income, a structural model that seeks to explain an insurer's expectation of future investment income should include variables—such as interest rates, the rate of change in technical reserves, the rate of inflation, stock indexes, the rate of growth in real GDP, and other macroeconomic variables—that may affect future investment income.

Rational expectations models are technically difficult to estimate. First, an economic optimization model must be specified, and estimation must be preceded by an analytical solution to the model. Even

when the solution is linear in the exogenous variables of the model, the coefficients are often combinations of the structural parameters that are generally not linear and are difficult to estimate. Second, because of the likely serial correlation in the structural disturbances, assumptions about the autocorrelation structure are necessary.<sup>3</sup> Third, there is little consensus on a structure model that correctly includes all relevant variables and that properly explains their interactive roles in the formation of the insurer's expectations on future losses or on future investment income.

Because of these difficulties, the focus is on the roles of current and past losses and investment experiences, and the adaptive expectations model is used. Despite the theoretical weakness of this model, empirical evidence indicates that it works quite well in many economic applications.

Estimating normal losses or expected investment income is essentially a forecasting problem. Normal losses are future losses that are expected to be paid by the insurer, and hence, statistically, they are the forecasts of future losses. Similarly, expected investment income is the forecast of future investment income. A forecasting method that is consistent with the adaptive expectations framework is a weighted moving average model with weights on the lagged observations declining exponentially.<sup>4</sup> An alternative to this method is the *n*-point simple moving average method, which has been used by the Australian Bureau of Statistics (1999). Time series methods, such as Autoregressive Integrated Moving Average methods (ARIMA) are also alternatives for forecasting future losses and expected investment income.<sup>5</sup> A common feature of these methods is that future values of a series depend only on its lagged values.

### Choices of statistical methods

Under the definitional change, the services of 22 lines of property-casualty insurance is being remeasured. (A list of the 22 lines is included in the technical note.) According to the published records, data series for these lines span from 18 to 72 years. Some lines of insurance services exhibit autocorrelation and possible

3. Such assumptions are generally arbitrary. Even when a simple autocorrelation structure of the disturbances is imposed, it may not be enough to simplify estimation. Other hypotheses about the autocorrelation function of the structure disturbances may make it impossible to identify the structure parameters or complicate estimation.

4. This weighted moving average method is also known as exponential smoothing or exponentially weighted moving average method. In fact, Muth (1960) shows that if there is no trend and no seasonality, then this model is an autoregressive integrated moving average (ARIMA) model with nonseasonal difference, an MA(1) term, and no constant term, otherwise known as ARIMA(0, 1, 1). Thus, potentially more sophisticated ARIMA modeling, or Box-Jenkins methods, can be explored.

5. ARIMA methods are developed for estimating concise prediction models of time series data that display complex patterns of autocorrelations.



heteroskedasticity in the residuals in the data series on losses and investment income.<sup>6</sup> Initial experimentation indicated that the search for an optimal ARIMA model to fit the data for each of the 22 lines of property-casualty insurance would be difficult and costly. In addition, to update the estimates annually for each line of insurance when new data become available would add significantly to the costs of producing the national income and product accounts.

The weighted moving average models focus on the trends and seasonal behavior of the data. Because these two aspects largely determine the variance of the series, when chosen properly, the weighted moving average method performs well, relative to more complicated methods, on a wide range of data series. The weighted moving average model with no trend and no seasonal factors requires the estimation of a single parameter. Specifically, the method can be viewed as estimating the value of  $\alpha$  that best fits:

$$Z_t = w_1 Z_{t-1} + w_2 Z_{t-2} + \dots + e_t,$$

where  $w_i = \alpha(1-\alpha)^{i-1}$ , for  $i = 1, \dots$ , and  $e_t$  is a white noise disturbance term. This formula is identical to that derived from the adaptive expectations model developed by Cagan (1956).

The  $n$ -point simple moving average method is based on the assumption that the time series is "locally stationary" with a slow varying mean. Hence, the moving average of  $n$  most recent observations are used to estimate the current value of the mean, and this mean is used as the forecast for the next period. This method is a compromise between the mean and random walk models.<sup>7</sup>

The short-term averaging smooths out the bumps in the original series. By adjusting the degree of smoothing,  $n$ , one hopes to strike an optimal balance between the mean and random walk models. The choice for the  $n$ -point average is between a lagged moving average or a centered moving average. The Australian Bureau of Statistics (1999) chooses to use the centered moving averages, implying that the forecast of losses for period  $t$  would be influenced by losses in the future periods. To avoid the influence of future events on the formation of expectations, the lagged moving averages were used for forecasting future losses.<sup>8</sup>

6. Autocorrelations summarize temporal persistence of the time series, such as trend, cycle, and seasonal variations.

7. The mean model uses the mean of the entire sample as the estimated value for each period in the sample. The random walk model predicts that one period's value will equal the previous period's value plus a constant representing the average change between periods.

8. In a centered moving average, the estimate for  $t$  depends on values  $t-n/2$  and values  $t+n/2$  (with  $n$  being an even number), and the  $t+n/2$  values would be inconsistent with the estimation of expectations in  $t$ .

Computationally both methods are simple to implement. An advantage of the weighted moving average method is that the small set of model choices simplifies the process of choosing the "best" model and makes it ideal for fairly small data series. The disadvantage of the  $n$ -point simple moving average method is that the choice of  $n$  largely depends on subjective judgment because this method is not based on any statistical modeling. The common disadvantage of any moving average method is that the forecasts generated from such a method will lag as the trend of the actual data increases or decreases.

Conceptually, the weighted moving average method is superior to the  $n$ -point simple moving average method because it places relatively more weight on the most recent observations, whereas the  $n$ -point simple moving average method places equal weight on the  $n$  lagged observations and excludes all observations more than  $n$  periods back in time. Moreover, the weighted moving average method relies on a smoothing parameter that is estimated from the entire time series and that is geared toward minimizing the mean square prediction errors.

In order to evaluate the two moving average methods, normal losses and expected investment income for five lines of insurance services were computed, and the summary statistics of the forecast or prediction errors were compared. The five lines of insurance services in the experiment are private passenger auto liability (PAL), private passenger auto physical damage (PAD), homeowners multiple peril (HMP), farmowners multiple peril (FMP), and workers compensation (WCP). These lines were chosen because of their significant shares in the property-casualty insurance industry. In 2000, these five lines accounted for 62 percent of the total premiums earned by the industry, and they accounted for more than 85 percent of the premiums recorded in personal consumption expenditures in the national income and product accounts.

### Computing normal losses

The data series that were available for the experiment were direct premiums earned and direct losses incurred from 1972 to 2001. Time series data on direct premiums and losses for almost all the lines of property-casualty insurance services are highly nonstationary.<sup>9</sup> In order to obtain more stationary data and to be able to incorporate information from direct premiums earned, the variable direct losses incurred,  $L_t$  was redefined as the product of direct premiums earned,  $P_t$ , and the direct loss ratio,  $l_t = L_t/P_t$ . Thus, the estimates of normal losses were not computed only from direct

9. A nonstationary time series exhibits strong trend, and its mean and variance vary with time.

losses incurred. Instead, expected loss ratios were first estimated from data on direct premiums earned and direct losses incurred, and then estimates of normal losses were derived. Let  $l_{t+1|t}$  be the expected, or the forecasted, loss ratio for period  $t+1$ , given the information available in period  $t$ , and let  $L_{t+1|t}$  be the normal losses for period  $t+1$ . Formally, normal losses in period  $t+1$  can be expressed as:

$$(1) \quad L_{t+1|t} = l_{t+1|t} P_{t+1},$$

where  $l_{t+1|t}$  is computed as:

$$(2) \quad l_{t+1|t} = E(l_{t+1} | l_t, l_{t-1}, \dots)$$

The weighted moving average model discussed above takes the form

$$(3) \quad \begin{aligned} E(l_{t+1} | l_t, l_{t-1}, \dots) \\ &= \alpha l_t + (1 - \alpha) E(l_t | l_{t-1}, l_{t-2}, \dots) \\ &= \alpha \sum_{i=0}^{\infty} (1 - \alpha)^i l_{t-i} \end{aligned}$$

where  $\alpha$  is the smoothing constant in the interval  $(0, 1)$ . The expected loss ratio for period  $t+1$  can be calculated as the weighted sum of the loss ratio at period  $t$  and the forecast of the loss ratio for period  $t$ , given information at  $t-1$ . Expressed recursively, the loss ratio at period  $t$  can be calculated as the exponentially weighted sum of loss ratios of all previous periods.

The smoothing parameter,  $\alpha$ , can be estimated fairly well if a data series has at least 30 observations and is free of serial correlation. The WinRATS-3.2 Version 5.1 program was used to estimate  $\alpha$ , which chooses the estimate of  $\alpha$ ,  $\hat{\alpha}$ , by minimizing in-sample, one-step forecast errors. However, if the data series is not long enough or if it exhibits serial correlation, then setting  $\alpha$  to a reasonable value produces more reliable results than relying on imprecise estimates. According to the statistical and engineering literature, the value of  $\alpha$  is often chosen between 0.1 and 0.3. Some studies point out that an estimated value of  $\hat{\alpha}$  greater than 0.3 may suggest serial correlation in the data series.

Estimating normal losses with the weighted moving average model involves two steps. The first step is to estimate  $\alpha$  and to generate forecasts of loss ratios. If the estimated value of  $\alpha$ ,  $\hat{\alpha}$ , does not suggest serial correlations in the data, then  $\hat{\alpha}$  is used to generate forecasts of loss ratios,  $l_{t+1|t}(\hat{\alpha})$ . If  $\hat{\alpha}$  indicates serial correlations in the data, then  $\alpha$  is chosen in the interval  $(0.1, 0.3)$  to generate loss ratio forecasts, and the chosen  $\alpha$  value,  $\tilde{\alpha}$ , is the one with the minimum root

mean square prediction errors (RMSPE).<sup>10</sup> One may experiment with many values of  $\alpha$  in the specified range. The results with  $\alpha = (0.1, 0.2, 0.3)$  indicate that these three choices are sufficient. The second step is to compute normal losses,  $L_{t+1|t} = l_{t+1|t} P_{t+1}$ , and the summary statistics of the in-sample, one-step forecast errors.

In the experiment, estimation results suggest that  $\hat{\alpha} = (0.34, 0.19)$  for HMP and FMP, respectively. For PAL, PAD, and WCP,  $\hat{\alpha}$  indicates serial correlation in the data, so the value of  $\alpha$  was set. Based on the minimum RMSPE criterion,  $\tilde{\alpha} = 0.3$  was set for PAL, PAD, and WCP.

The  $n$ -point simple moving average method is straightforward to implement. The expected loss ratio for period  $t+1$  is given by:

$$(4) \quad E(l_{t+1} | l_t, l_{t-1}, \dots, l_{t-n+1}) = \frac{1}{n} \sum_{i=0}^{n-1} l_{t-i}$$

The main concern with this method is the choice of  $n$ . An optimal  $n$  should smooth out the bumps in the data that are generated by short-term noise but still preserve the dynamic characteristics of the time series. However, there is little discussion in the literature on the criterion for choosing an optimal  $n$ , perhaps because the  $n$ -point moving average method is not based on a formal statistical model.

For the comparison of the two types of moving averages,  $n = 5$  was selected for each line of insurance. This selection is consistent with the choice of  $\alpha$  because four of the five lines of insurance in the experiment are either 0.3 or close to 0.3, implying that the first five lagged loss ratios account for more than 83 percent of the forecasted loss ratios. An added consideration is that the Australian Bureau of Statistics sets  $n = 5$  for its forecasts of future losses.<sup>11</sup>

Using either moving average method, the estimation of expected losses requires a plan for handling catastrophic losses. By definition, these catastrophes are unpredictable events that have significant effects on losses. Some of the five lines of insurance that were examined have experienced catastrophic losses. For example, homeowners multiple peril (HMP) experienced catastrophic losses in 1992 because of Hurricane Andrew, and the loss ratio for 1992 reached 1.24. Unless adjusted for, catastrophic losses can have too much influence on the computation of expected losses and measured output. Accordingly, the following steps were taken to dampen the

10. Root mean square prediction error is the square root of the average of the squared differences between the actual values and the predicted values for the sample period.

11. BEA's international transactions accounts recently adopted a 6-year moving average because of the particular features of their data series. (Bach 2003).

effect of catastrophic losses. First, the expected loss ratios using the sample data were computed, and the data for the year of the catastrophe were treated as missing observations. Second, the catastrophic loss was computed as the difference between the actual loss ratio and the estimated loss ratio. Third, the catastrophic loss was spread forward equally for 20 years, starting from the catastrophic year. For example, for HMP, using the weighted moving average method, the adjustment for the catastrophic loss is computed as,  $\Delta l = (l_{1992} - l_{1992|1991}(\hat{\alpha})) / 20$ , and using the n-point moving average method, the adjustment is computed as  $\Delta l = (l_{1992} - l_{1992|1991 \dots, 1987}(n = 5)) / 20$ . The adjustment for catastrophic losses,  $\Delta l$ , is then added to the forecasts of loss ratios for 1992 through 2011.

In table 1, the RMSPE for the lines of insurance in the experiment with  $\alpha = (0.1, 0.2, 0.3)$  is compared with the RMSPE for those lines with  $n = 5$ . Note that if  $\alpha$  can be estimated as in the cases of HMP and FMP,  $l_{t|t-1}(\hat{\alpha})$  yields the minimum RMSPE. If  $\alpha$  cannot be estimated as in the cases of PAL, PAD and WCP,  $l_{t|t-1}(\hat{\alpha}=0.3)$  yields the smallest RMSPE of all the choices of  $\alpha$  values. The weighted moving average method out performed the 5-point moving average method in four of the five cases.

To further compare the two moving average methods, table 2 provides the summary statistics that are often used to measure the performance of forecasts: Mean error (ME), mean absolute error (MAE), mean absolute percentage error (MAPE), standard deviation of prediction error (SDPE), and root mean square of prediction error (RMSPE).

Since positive deviations tend to offset negative deviations, MAE is often used to measure the accuracy of the forecasted time series values, in addition to ME that measures the average forecasting error. MAPE is a unit free measure of the accuracy of the forecasts; it converts deviations in any unit measurement to average percentage deviations. SDPE measures the dispersion of the forecast errors, and RMSPE ac-

**Table 1. Root Mean Square Prediction Errors (RMSPE) from Loss Ratio Forecasts, Using Weighted and 5-point Moving Averages**

	Private auto liability	Private auto physical damage	Homeowners multiple peril ( $\hat{\alpha} = 0.34$ )	Farmowners multiple peril ( $\hat{\alpha} = 0.19$ )	Workers compensation
$\alpha = \hat{\alpha}$			*7.28	*7.39	
$\alpha = 0.1$	7.77	6.09	8.74	7.42	9.98
$\alpha = 0.2$	6.40	6.01	8.42	7.40	9.14
$\alpha = 0.3$	*5.44	5.82	7.81	7.53	*8.03
$n = 5$	6.00	*4.89	8.07	7.79	10.29

\* Indicates the lowest RMSPE in each column. Root mean square prediction error (RMSPE) is the square root of the average squared difference between the actual value and the prediction value for the sample period.

counts for both the mean and the dispersion of the forecast errors.

For each line, the summary statistics from the forecasts were compared, using the weighted moving averages and choosing  $\alpha$  based on the minimum RMSPE criterion. Summary statistics were also computed from the forecasts using the 5-point moving averages. Columns 2 and 3 contain the summary statistics from the forecasts of loss ratios and Columns 4 and 5 contain

**Table 2. Summary Statistics of Forecasting Errors from Weighted Moving Averages and 5-Point Moving Averages**

[Forecast errors of normal losses are measured in millions of dollars]

A. Private passenger auto liability insurance (1972-2001)				
	Forecast errors of expected loss ratio ( $\hat{\alpha} = 0.3$ ) (percent)	Forecast errors of expected loss ratio ( $n = 5$ ) (percent)	Forecast errors of normal losses ( $\hat{\alpha} = 0.3$ )	Forecast errors of normal losses ( $n = 5$ )
ME .....	0.88	0.11	-306.06	-554.62
MAE .....	4.55	4.98	1,863.76	2,274.62
MAPE .....	6.30	6.90	6.30	6.90
SDPE .....	5.37	6.00	2,538.19	2,949.99
RMSPE .....	5.44	6.00	2,556.69	3,001.67
B. Private passenger auto physical damage (1972-2001)				
	Forecast errors of expected loss ratio ( $\hat{\alpha} = 0.3$ ) (percent)	Forecast errors of expected loss ratio ( $n = 5$ ) (percent)	Forecast errors of normal losses ( $\hat{\alpha} = 0.3$ )	Forecast errors of normal losses ( $n = 5$ )
ME .....	1.09	-0.66	104.07	3.58
MAE .....	3.86	2.94	799.08	909.63
MAPE .....	5.80	4.65	5.99	5.61
SDPE .....	5.72	4.85	1,094.72	1,250.65
RMSPE .....	5.82	4.89	1,099.66	1,250.66
C. Homeowners multiple peril (1972-2001)				
	Forecast errors of expected loss ratio ( $\hat{\alpha} = 0.34$ ) (percent)	Forecast errors of expected loss ratio ( $n = 5$ ) (percent)	Forecast errors of normal losses ( $\hat{\alpha} = 0.34$ )	Forecast errors of normal losses ( $n = 5$ )
ME .....	0.90	-0.20	314.12	212.58
MAE .....	5.80	6.80	1,330.28	1,738.07
MAPE .....	8.90	10.50	10.10	11.90
SDPE .....	7.22	8.07	2,429.86	2,879.64
RMSPE .....	7.28	8.07	2,450.08	2,887.48
D. Farmowners multiple peril (1972-2001)				
	Forecast errors of expected loss ratio ( $\hat{\alpha} = 0.19$ ) (percent)	Forecast errors of expected loss ratio ( $n = 5$ ) (percent)	Forecast errors of normal losses ( $\hat{\alpha} = 0.19$ )	Forecast errors of normal losses ( $n = 5$ )
ME .....	0.14	0.39	8.15	4.03
MAE .....	5.84	6.45	49.08	60.42
MAPE .....	8.18	9.18	8.18	9.18
SDPE .....	7.39	7.78	66.24	74.96
RMSPE .....	7.39	7.79	66.74	75.07
E. Workers compensation (1972-2001)				
	Forecast errors of expected loss ratio ( $\hat{\alpha} = 0.3$ ) (percent)	Forecast errors of expected loss ratio ( $n = 5$ ) (percent)	Forecast errors of normal losses ( $\hat{\alpha} = 0.3$ )	Forecast errors of normal losses ( $n = 5$ )
ME .....	0.62	0.58	44.65	38.11
MAE .....	0.62	0.81	1,592.67	2,166.27
MAPE .....	8.55	11.32	8.55	11.32
SDPE .....	8.00	10.27	2,346.33	3,005.74
RMSPE .....	8.03	10.29	2,346.75	3,005.87

Forecast errors of loss ratio is  $l_t - l_{t|t-1}$ .  
Forecast errors of normal losses is  $L_t - L_{t|t-1}$ .

ME is mean error of forecasts  
MAE is mean absolute error of forecasts  
MAPE is mean absolute percentage error of forecasts  
SDPE is standard deviation of forecasting errors  
RMSPE is root mean square prediction errors

the summary statistics from the derived normal losses.

The summary statistics indicate that the weighted moving average method performed better over all. If the smoothing parameter can be estimated—that is, if the loss ratio data series does not exhibit serial correlation—the weighted moving average method clearly outperforms the 5-point moving average method. The better performance can be seen by comparing the summary statistics for HMP and FMP in parts C and D in table 2. For PAL, PAD and WCP, where the smoothing parameter cannot be estimated, by setting  $\tilde{\alpha} = 0.3$ , the weighted moving average method resulted in smaller MAE, MAPE, SDPE and RMSPE for PAL and WCP from estimated loss ratios and derived normal losses. For PAD, the 5-point moving average performed better for estimating loss ratios, but the weighted moving average produced a smaller RMSPE from computed normal losses, because the computed normal losses incorporate information from current premiums.

To illustrate the estimation results obtained from using the weighted moving averages and setting  $\alpha$  according to the RMSPE criterion, in panels 1.1 to 1.5 in chart 1, the actual loss ratios are compared with the forecasts of loss ratios for the five lines of insurance in the experiment. In panels 2.1 to 2.5 in chart 2, the actual direct losses are compared with the normal losses which are computed according to equation (1).

**Computing expected investment income**

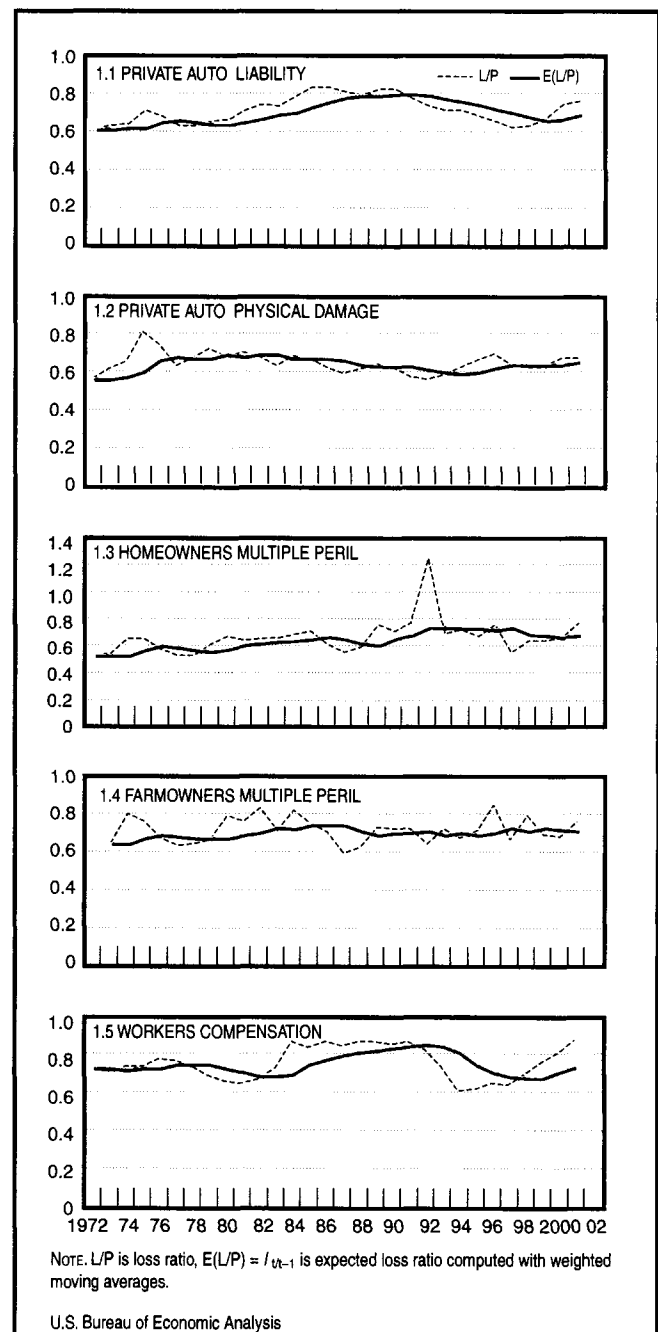
Data on investment income are labeled as “net investment gain on funds attributable to insurance transactions,” and they are included in part II of the insurance expenditure exhibits (IEE) published in the *Best's Aggregate and Averages: Property-Casualty* by A.M. Best Company. The net investment gain on funds attributable to insurance transactions by line of insurance is defined as the product of the industry-level rate of return to invested funds and the technical reserves by line of insurance adjusted for uncollected premiums and for the expenses associated with unearned premiums.<sup>12</sup> The net investment income for the current year includes net realized capital gains. The measurement of investment income here is the same as that used in the producer price index for property-casualty insurance from the Bureau of Labor Statistics (BLS).

Insurance companies often analyze their investment experiences on the basis of the investment income to premium ratios. Let  $I_t$  denote the investment income, and let  $i_t = I_t/P_t$  denote the investment income to premiums ratio in period  $t$ . For each line of insurance, direct premiums earned plus premiums supplements in

period  $t$ ,  $P_t + I_t$ , can be expressed as  $P_t(1 + i_t)$ , which corresponds exactly to the price measure used by BLS in the producer price index for property-casualty insurance. Using this characterization allows the BLS index to deflate the measure of the current-dollar insurance output. Let  $i_{t+1|t}$  be the expected investment income to premiums ratio for period  $t+1$ , given the information available in period  $t$ , and let  $I_{t+1|t}$  be the expected investment income for period  $t+1$  given by:

$$(5) \quad I_{t+1|t} = i_{t+1|t} P_{t+1}$$

**Chart 1. Actual and Expected Loss Ratios**



12. The computation of investment income used the formula developed by the National Association of Insurance Commissioners.

In the weighted moving average model, the expected investment income to premiums ratio is computed as:

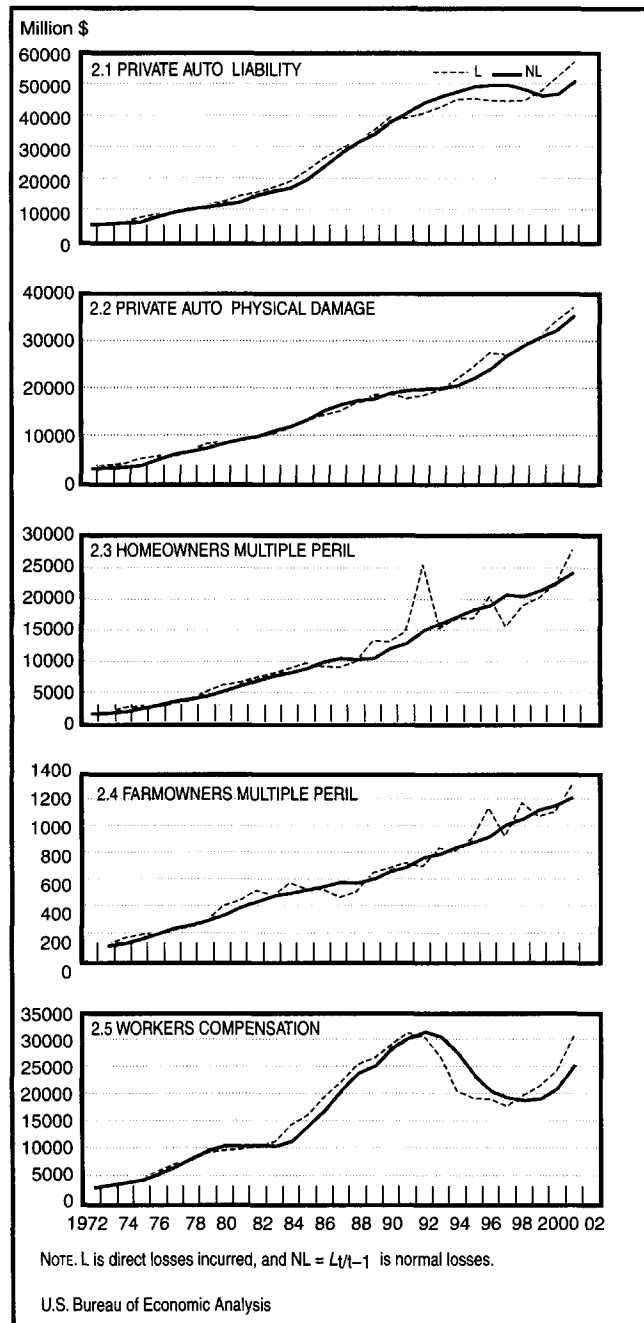
$$(6) \quad \begin{aligned} i_{t+1|t} &= E(i_{t+1}|i_t, i_{t-1}, \dots) \\ &= \beta \sum_{i=0}^{\infty} (1 - \beta)^i i_{t-i}, \end{aligned}$$

where  $\beta$  is the smoothing parameter in (0, 1).

Like the experiment on normal losses, PAL, PAD, HMP, FMP, and WCP are included in the experiment on expected investment income. The estimation exper-

iment used data on investment income to premiums ratios by line of insurance for 1978–2000. Data analysis revealed some degree of serial correlation in the data on  $i_t$ , for all five lines of insurance, which led to setting  $\beta = (0.1, 0.2, 0.3)$ . As shown in table 3, among the choices of  $\beta$ ,  $\tilde{\beta} = 0.3$  is associated with the minimum RMSPE. Like the computation of normal losses, the experiment included the n-point moving average method with the parameter  $n = 5$ . The estimates that used the weighted moving averages with  $\tilde{\beta} = 0.3$  yield smaller RMSPEs than those used the 5-point moving averages for four of the five lines.

**Chart 2. Direct Losses and Normal Losses**



**Table 3. Root Mean Square Prediction Errors (RMSPE) from Expected Investment Income to Premiums Ratios, Using Weighted Moving Averages and 5-Point Moving Averages**

	Private auto liability	Private auto physical damage	Homeowners multiple peril	Farmowners multiple peril	Workers compensation
$\beta = .1$	1.665	.564	.936	.863	4.174
$\beta = .2$	1.280	.445	.704	.654	3.137
$\beta = .3$	1.054	*.361	*.589	*.547	*2.650
$n = 5$	*.982	.391	.604	.565	2.675

\* Indicates the minimum RMSPE in each column.

To further compare the estimates from both methods, table 4 shows the summary statistics of the forecast errors from the forecasts that used both moving averages. It is evident that using the weighted moving average method with  $\tilde{\beta} = 0.3$  results in smaller MAPE and RMSPE for PAD, HMP, FMP, and WCP. To illustrate the estimation results obtained from using both methods, panels 3.1 to 3.5 in chart 3 provided a comparison of the estimated investment income to premiums ratio with the actual investment income to premiums ratios.

Based on the results from the experiment, the weighted moving average method was chosen to compute the expected loss ratios and expected investment income to premiums ratios for all 22 lines of insurance. This method produced better overall estimation results, and it is consistent with the adaptive expectations model, which conceptually better explains the behavior of the insurer than the n-point moving average method. Because autocorrelation is present in the data series on loss ratios and investment income to premiums ratios for most of the 22 lines,  $\alpha = 0.3$  was used in the computation of expected loss ratios, and  $\beta = 0.3$  was used in the computation of expected investment income to premiums ratios for all 22 lines.

**Effects of Definitional Change on Insurance Output**

The definitional change in the output measures of the 22 lines of the property-casualty insurance services has resulted in higher average levels of annual output. The increases derive from the inclusion of investment income as premium supplements, but they are also

attributable, to a much lesser extent, to the use of data on the direct basis, which includes data on reinsurance services. The aggregated average annual output of the 22 lines increased 35 percent; 32 percent of this increase is attributable to the inclusion of data on premium supplements, and 3 percent is attributable to the inclusion of data on reinsurance services.

As was expected, the change to normal losses from actual losses and the use of expected investment income rather than the actual investment income as premium supplements did not significantly affect the aggregated output. The increase in the aggregated annual average output amounted to 0.8 percent. In theory, the aggregated average annual output should not be affected at all if the estimation is conducted properly. The reason for the slight effect is that adjustments for some catastrophic losses are allocated to future years. In addition, only the output of some lines are af-

ected by catastrophic losses, but the aggregate measure is not affected.

The definitional change has also resulted in significantly less volatility in the annual output of the insurance lines that experienced catastrophic losses. The reduction in volatility is largely attributable to the use of normal losses rather than actual losses.

To illustrate the effect of the definitional change and

**Table 4. Summary Statistics of Prediction Errors from Expected Investment Income to Premiums Ratio, Using Weighted and 5-Point Moving Averages**  
[Percent]

	A. Private passenger auto liability (1978-2000)		B. Private auto physical damage (1978-2000)	
	Forecast errors of expected investment income to premiums ratio ( $\beta = 0.3$ )	Forecast errors of expected investment income to premiums ratio ( $n = 5$ )	Forecast errors of expected investment income to premiums ratio ( $\beta = 0.3$ )	Forecast errors of expected investment income to premiums ratio ( $n = 5$ )
ME.....	0.288	-0.024	-0.145	-0.228
MAE.....	0.850	0.706	0.290	0.294
MAPE.....	0.100	0.081	0.205	0.216
SDPE.....	1.014	0.981	0.330	0.318
RMSPE.....	1.054	0.982	0.361	0.391
	C. Homeowners multiple peril (1978-2000)		D. Farmowners multiple peril (1978-2000)	
	Forecast errors of expected investment income to premiums ratio ( $\beta = 0.3$ )	Forecast errors of expected investment income to premiums ratio ( $n = 5$ )	Forecast errors of expected investment income to premiums ratio ( $\beta = 0.3$ )	Forecast errors of expected investment income to premiums ratio ( $n = 5$ )
ME.....	0.208	0.080	0.196	0.109
MAE.....	0.418	0.475	0.454	0.444
MAPE.....	0.092	0.100	0.900	0.092
SDPE.....	0.551	0.599	0.510	0.554
RMSPE.....	0.589	0.604	0.547	0.565
	E. Workers compensation (1978-2000)			
	Forecast errors of expected investment income to premiums ratio ( $\beta = 0.3$ )	Forecast errors of expected investment income to premiums ratio ( $n = 5$ )		
ME.....	1.573	1.049		
MAE.....	2.122	2.094		
MAPE.....	0.126	0.136		
SDPE.....	2.164	2.436		
RMSPE.....	2.650	2.675		

Forecast errors of expected investment income to premiums ratio is  $i_t - i_{t-1}$

ME is mean error of forecasts

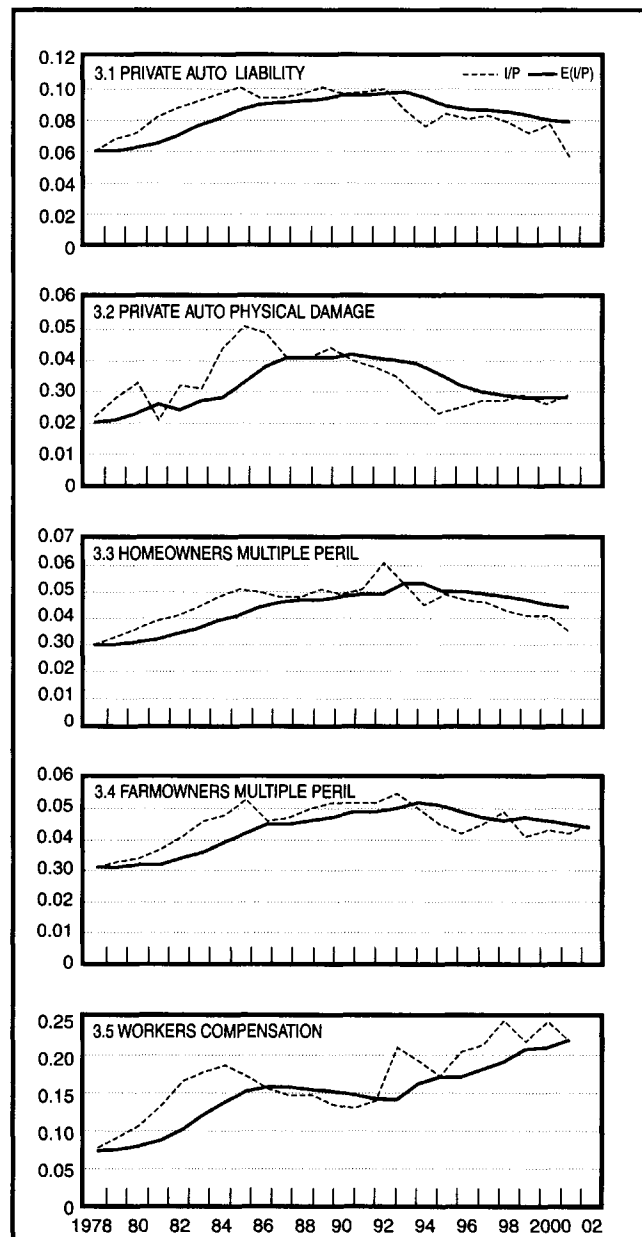
MAE is mean absolute error of forecasts

MAPE is mean absolute percentage error of forecasts

SDPE is standard deviation of forecasting or prediction errors

RMSPE is root mean square prediction errors

**Chart 3. Actual and Expected Investment Income to Premiums Ratios**



NOTE:  $I/P = i_t$  is investment income to premiums ratio, and  $E(I/P) = i_{t-1}$  is expected investment income to premiums ratio computed with weighted moving averages.

U.S. Bureau of Economic Analysis

using five insurance lines as an example, table 5 presents a comparison of the average annual output using the current definition with that using the new definition, and it also shows a comparison of the volatility in the actual data series with that in the estimated data series.

The standard deviation of a time series measures the volatility of that series, and the ratio of the standard deviations of two series provides the relative volatility of the two series. Column 2 shows the relative volatility in the expected loss ratios to the actual loss ratios, and column 3 shows the relative volatility in the computed normal losses to the actual losses. Two observations can be drawn from columns 2 and 3. First, the expected loss ratios and the normal losses show reduced volatility. Not surprisingly the reduction in volatility is greater for the lines that experienced catastrophic losses. Allied lines had catastrophic losses in 1989,

1992, 1998, and 2001, and homeowners multiple peril had catastrophic losses in 1992. Second, the reduction in volatility in normal losses is less than that in the estimated loss ratios. This is because normal losses are derived as the product of estimated loss ratios and the direct premiums earned. Some volatility in the direct premiums earned has been picked up in the computed normal losses.

Similarly, column 4 shows that the volatility was reduced as a result of using the expected investment income to premiums ratio rather than the actual investment income to premiums ratio. The reduction in volatility is greater for allied lines; in recent years, the investment income for this line has swung down from an average of 3.78 percent in the 1990s to -6.5 percent in 2000 and to -2.3 percent in 2001.

Additional volatility from the data on reinsurance may be added to the measured output by line of insurance. Therefore, comparing the volatility in the output using the current definition with the volatility in the output using the new definitions does not provide accurate information on the effect of using normal losses and expected investment income. In column 5, that effect is measured by the ratio of the standard deviation of output using the new definition to that of output measured with direct losses and actual investment income as premium supplements; clearly, the use of normal losses and expected investment income reduces the volatility in the output.

In column 6 of table 5, the average annual output using the new definition is compared with average annual output using the current definition. The average output increased significantly, ranging from 8.6 percent for private passenger auto physical damage to 73.4 percent for workers compensation. Because the higher average annual output level is largely due to the inclusion of the expected investment income as premium supplements, the output measured using the current definition significantly underestimates the contributions of the financial intermediation services provided by the property-casualty insurance industry. For the lines in table 5, the average expected investment income is 3.1 percent of the direct premiums earned for allied lines, 3.9 percent for homeowners multiple peril, 4.6 percent for private passenger auto liability, 1.9 percent for private passenger auto physical damage, and 7 percent for workers compensation for their respective sample periods.

In addition to analyzing the effects of the change in the definition of insurance services on average annual output and volatility in the estimated data series for the sample period, the effect of the change can also be

**Table 5. Relative Output and Relative Volatility in Actual and Estimated Data**

Insurance line	Relative volatility of expected loss ratio versus actual loss ratio	Relative volatility of normal losses versus direct losses	Relative volatility of expected versus actual investment income to premiums ratio	Relative volatility of output using new definition versus output using direct losses and actual investment income	Relative output using new definition versus output using current definition
Allied lines (1951-2001).....	0.370	0.635	0.857	0.392	1.205
Homeowners multiple peril (1955-2001).....	0.800	0.970	0.889	0.900	1.258
Private auto liability (1930-2001).....	0.923	0.978	0.966	0.951	1.273
Private auto physical damage (1930-2001).....	0.802	0.986	0.999	0.974	1.086
Workers compensation (1930-2001).....	0.804	0.998	0.888	0.911	1.734

Relative volatility of expected loss ratio versus actual loss ratio is  $\frac{\sigma(l_{t|t-1})}{\sigma(l_t)}$

Relative volatility of normal losses versus direct losses is  $\frac{\sigma(L_{t|t-1})}{\sigma(L_t)}$

Relative volatility of expected versus actual investment income to premiums ratio is  $\frac{\sigma(i_{t|t-1})}{\sigma(i_t)}$

Relative volatility of output using new definition versus output using direct losses and actual investment income is  $\frac{\sigma(Y_t^N)}{\sigma(Y_t^D)}$

Relative output using new definition to output using current definition is  $\frac{Y_t^N}{Y_t^C}$

$\sigma(\cdot)$  is the standard deviation of the time series in the parentheses

$l_{t|t-1}$  is expected loss ratio

$l_t$  is direct loss ratio

$L_{t|t-1}$  is normal losses

$L_t$  is direct losses incurred

$i_{t|t-1}$  is expected net investment income to premiums ratio

$i_t$  is net investment income to premiums ratio

$Y_t^N$  is output under new definition,  $Y_t^N = P_t(1 - d_t + i_{t|t-1}) - L_{t|t-1}$

$Y_t^D$  is output computed as  $Y_t^D = P_t(1 - d_t + i_t) - L_t$

$Y_t^C$  is output under current definition,  $Y_t^C = P_t(1 - d_t) - L_t$

illustrated from the estimates for a particular year as shown in table 6; 1992 and 2001 were selected to illustrate the effects of the definitional change and to demonstrate how the adjustments for catastrophic losses affect the levels and volatility of the estimated series.

Part A of table 6 presents a comparison of the actual data series with the estimated data series and the output measured using the current definition and the new definitions for 5 lines of insurance for 1992. In 1992, Hurricane Andrew caused catastrophic losses in allied lines and homeowners multiple peril. In column 2, the actual direct loss ratios are 1.20 for allied lines and 1.24 for homeowners multiple peril. In column 3, the corresponding estimated loss ratios, however, are 0.68 for allied lines and 0.73 for homeowners multiple peril. The significantly lower estimated loss ratios reflect the combined effects of estimating loss ratios using the weighted moving averages and the adjustments made for the catastrophic losses.

Columns 4 and 5 in part A of table 6 show a comparison of the actual direct losses and the normal losses. Not surprisingly, the relative values of the actual losses to the estimated loss ratios are not equal to the corresponding relative values of the actual losses to the normal losses. For example, the relative values of the actual loss ratios to the estimated loss ratios (dividing column 2 by column 3) are 1.76 for allied lines, 1.70 for homeowners multiple peril, 0.93 for private auto liability, 0.92 for private auto physical damage, and 0.96 for workers compensation. However, the relative val-

ues of the direct losses to the normal losses (dividing column 4 by column 5) are 1.77 for allied lines, 1.70 for homeowners multiple peril, 0.92 for private auto liability, 0.92 for private auto physical damage, and 0.97 for workers compensation. The differential relative values of loss ratios and losses are caused by the additional information from direct losses that is included in the computed normal losses.

Columns 6 and 7 present the actual and expected investment income to premiums ratios for the 5 lines. Columns 8 and 9 present a comparison of the measured output using the current definition with the output using the new definition. Using the current definition, catastrophic losses result in negative output for allied lines and homeowners multiple peril.

Qualitatively similar results are shown in part B of table 6 from estimates for 5 lines of insurance for 2001. Aircraft, fire, and allied lines suffered catastrophic losses as a result of the terrorist attacks on September 11<sup>th</sup>. In addition to the catastrophic losses, allied lines also had an unusual negative investment income in 2001. This example again demonstrates that using normal losses and expected investment income greatly reduces the large swings in measured output. Using the current definition, the measured output for fire insurance is still positive despite the huge catastrophic losses, because the current definition uses premiums earned and losses incurred net of reinsurance. The direct loss ratio of 1.28 and the positive output of fire insurance service measured using the current definition

**Table 6. A Comparison of Actual and Estimated Loss Ratios, Losses, and Investment Income to Premiums Ratios, and Output Measured Using Current Definition and New Definition**

(Losses and output measured in millions of dollars)

A. A comparison of actual and estimated data for 1992								
Insurance Line	Loss ratio (percent)	E (loss ratio) (percent)	Direct losses	Normal losses	Investment income to premiums ratio (percent)	E (investment income to premiums ratio) (percent)	Output using current definition	Output using new definition
Allied lines .....	1.20	0.68	3,270.55	1,843.43	0.053	0.043	-10.12	953.66
Homeowners multiple peril .....	1.24	0.73	25,535.65	15,043.51	0.062	0.051	-2,865.80	6,545.00
Private auto liability .....	0.73	0.79	40,793.81	44,504.48	0.100	0.096	13,968.88	16,459.86
Private auto physical damage .....	0.56	0.61	18,489.04	20,071.33	0.034	0.039	13,763.49	13,666.69
Workers compensation .....	0.81	0.84	30,513.78	31,536.19	0.210	0.141	3,592.90	8,885.36
B. A comparison of actual and estimated data for 2001								
	Loss ratio (percent)	E (loss ratio) (percent)	Direct losses	Normal losses	Investment income to premiums ratio (percent)	E (investment income to premiums ratio) (percent)	Output using current definition	Output using new definition
Aircraft .....	1.83	0.69	2,992.35	1,228.10	0.268	0.093	-144.63	490.96
Allied Lines .....	2.04	0.74	8,528.86	3,675.76	-0.023	0.004	-37.83	510.67
Fire .....	1.28	0.57	7,541.33	3,585.75	0.023	0.055	1,667.15	2,539.81
Homeowners multiple peril .....	0.77	0.68	27,907.08	24,694.45	0.035	0.044	6,838.83	12,836.69
Workers compensation .....	0.86	0.72	35,473.88	25,448.61	0.180	0.220	4,680.39	14,349.13

Loss ratio is  $l_t$

Investment income to premiums ratio is  $i_t$

E (loss ratio) is  $l_{t|t-1}$

E (investment income to premiums ratio) is  $i_{t|t-1}$

Direct losses is  $L_t$

Output using current definition is  $Y_t^C = P_t(1 - d_t) - L_t$

Normal losses is  $L_{t|t-1}$

Output using new definition is  $Y_t^N = P_t(1 - d_t + i_{t|t-1}) - L_{t|t-1}$



suggests that a significant portion of the unexpected losses in 2001 were recovered from the reinsurance services purchased.

### Future Research

The objective of the definitional change in the output measure of property-casualty insurance services was to better measure all the explicit and implicit services provided by the insurer. The estimation results demonstrate that the definitional change and the new statistical treatment of losses and premiums supplements have a substantial impact on the measured insurance services.

However, further research should continue in order to improve the statistical methodology. The adaptive expectations framework often works fairly well empirically, but it lacks theoretical justification. Future research should go toward the construction of a structural model that properly explains how the profit-maximizing insurer uses all the information available to form expectations of future losses and future investment income. Because a much longer time series data set for each line of insurance has now been constructed, more sophisticated time series modeling methods that can better handle the autocorrelations in the data and that could provide more robust estimates should be explored.

### Technical Note: Preparing the Data for the Definitional Change

The new definition of the property-casualty insurance output can be expressed as:

$$(T.1) \quad Y_t = P_t(1 + i_{t|t-1} - d_t) - L_{t|t-1},$$

where  $Y_t$  is output,  $P_t$  is direct premiums earned,  $L_{t|t-1}$  is normal losses,  $i_{t|t-1}$  is expected investment income to premiums ratio, and  $d_t$  is dividend to premiums ratio for period  $t$ . Recall that  $L_{t|t-1} = l_{t|t-1}P_t$ , and  $l_{t|t-1}$  is the expected direct loss ratio.

Under the current treatment, BEA uses net premiums earned and net losses incurred to measure insurance output. The change in the measure of insurance output requires the use of direct premiums earned and direct losses incurred. Net premiums earned,  $P_t^N$ , equals direct premiums earned minus the net purchases of reinsurance,  $P_t^R$ , and net losses incurred,  $L_t^N$ , equals direct losses incurred minus losses recovered from net purchases of reinsurance,  $L_t^R$ . The net purchase of reinsurance is the difference between the reinsurance ceded and the reinsurance assumed. Because published data on the direct basis is unavailable before 1975, the preceding relationships can be used to

derive the needed data by using net reinsurance purchases and net premiums earned and losses incurred.

The definitional change in the measure of insurance output affects the following 22 lines of property-casualty insurance services: Aircraft, allied lines, boiler and machine, burglary and theft, commercial auto liability, commercial auto physical damage, commercial multiple peril, earthquake, farmowners multiple peril, fidelity, fire, homeowners multiple peril, inland marine, medical malpractice, ocean marine, other liability, other lines, private passenger auto liability, private passenger physical damage, reinsurance, surety, and workers compensation. The first step in the implementation of the definitional change is to construct a data set that contains the time series data on  $P_t$ ,  $L_t$ ,  $P_t^N$ ,  $L_t^N$ ,  $R_t^P$ ,  $R_t^L$ ,  $i_t$ , and  $d_t$  for each line of insurance.

### Data sources and data problems

The main source of data are the 1940 to 2002 editions of *Best's Aggregate and Averages: Property-Casualty* by A.M. Best Company. The time series for direct premiums earned, direct losses incurred, net investment income, and dividends to policyholders for 1975–2001 are extracted from A.M. Best's database. Data series for years before 1975 are constructed from A.M. Best's published data.

The first, 1940 edition of A.M. Best's data on property-casualty insurance services contained cumulative data for 1930–39 by line of insurance. Therefore, the longest span of the published times series is 72 years, from 1930 to 2001. However, data for all 22 lines of insurance for 1930–2001 are not available; some are only available back to the 1950s, and some date back to the 1970s or 1980s. Table 7 displays the year when the data on each of the 22 lines were either first reported by

Table 7. Starting Year of Data Series on Insurance Lines

Insurance line	Year data started
Aircraft .....	1971
Allied lines.....	1951
Boiler and machine .....	1930
Burglary and theft .....	1930
Commercial auto liability .....	1930
Commercial auto physical damage.....	1930
Commercial multiple peril .....	1956
Earthquake .....	1985
Farmowners multiple peril.....	1973
Fidelity .....	1930
Fire.....	1951
Homeowners multiple peril .....	1955
Inland marine .....	1951
Medical malpractice .....	1977
Ocean marine .....	1951
Other lines .....	1973
Other liability .....	1930
Private auto liability.....	1930
Private auto physical damage .....	1930
Reinsurance.....	1973
Surety .....	1930
Workers compensation.....	1930

A.M. Best or when the data became constructible from the available A.M. Best data.

In addition to the various starting years of the time series for the lines of insurance, there are two other general problems with the published data. First, observations in all of the series except net premiums earned are missing for the early years. As shown in table 8, some series have 20 missing observations, and others have as many as 45 missing observations. The data are missing mainly because the data were published in much less detail then. Over time, more detailed data and better quality data have become available.

Second, in the published data, the classification of certain lines of insurance has changed over time. Some lines were initially components of other lines for some years, but later, these lines were reported as separate lines. Alternatively, some separate lines later became components of other lines. The insurance lines that were affected by changes in classification consist of allied lines, boiler and machine, homeowners and farmowners multiple perils, other liability, other lines, commercial and private auto liability and auto physical damage lines.

### Constructing the data set

Given the problems with the availability and the quality of the data, it is necessary to construct a set of data

for  $P_t$ ,  $L_t$ ,  $i_t$ , and  $d_t$  for each line of insurance for the sample period.

### Direct premiums earned and direct losses incurred

A.M. Best began to report business on the direct basis in 1992 in the insurance expense exhibit (IEE), part III—allocation to lines of direct business written, in *Best's Aggregates and Averages: Property-Casualty*, so data for  $P_t$  and  $L_t$  have been available since then.<sup>13</sup> For the years during which these variables were not reported, they must be derived from other data:  $P_t$  can be derived from the relation between net premiums earned and net premiums for net purchase of reinsurance, and  $L_t$  can be derived from the relation between net losses incurred and net losses recovered from the net purchase of reinsurance as follows:

$$(T.2) \quad P_t = P_t^N + P_t^R, \quad L_t = L_t^N + L_t^R.$$

Thus, if data on reinsurance, net premiums earned, and net losses incurred are available,  $P_t$  and  $L_t$  can be derived for the years before 1975. Unfortunately, a complete data series on net losses incurred and on the by-line data on reinsurance for the years before 1975 are also unavailable. Thus, extrapolation techniques were used to estimate the missing observations in these series.

There are two problems in constructing the complete series of net premiums earned and net losses incurred. First, net loss ratios were not explicitly reported until 1950. Before 1950, A.M. Best reported loss and loss adjustment expense ratios jointly. Second, before 1971, net premiums earned and net losses incurred were reported on the basis of the stock, mutual, and reciprocal companies.<sup>14</sup> To obtain the by-line total net premiums earned and the total net losses incurred, the three components needed to be summed. However, data on reciprocal companies were available only for 1971 and 1972 and only for allied lines, fire, homeowners multiple peril, other liability, and workers compensation, and the data were available only for 1972 for private auto liability and private auto physical damage. No data on reciprocal companies for the remaining lines were reported. Thus, the net loss ratios for 1930–49 and the net premiums and net losses for the reciprocal companies for 1930–70 need to be extrapolated.

For the stock and mutual companies net loss ratios first became available for 1950; the shares of net loss

**Table 8. Availability of Published Data on Property-Casualty Insurance**

Variables	Availability of data series
$P_t$ and $L_t$	1992–2001: By-line and industry total data available 1975–1991: By-line and industry total data available, labeled as adjusted direct premiums and adjusted direct losses incurred 1930–1974: Data unavailable at any level
$P_t^N$ and $L_t^N$	1930–1972: By-line data available on the basis of stock, mutual, and reciprocal companies 1930–1949: Data on losses unavailable at any level
$P_t^R$ and $L_t^R$	1951–1984: Data on industry total reinsurance data available 1930–1951: Data unavailable at any level
$d_t$	1975–2001: By-line data available 1930–1974: By-line data unavailable 1951–2001: Data on industry average dividend to premiums ratio available
$i_t$	1992–2001: By-line data on net investment gain on funds attributable to insurance transactions available 1975–1991: By-line data on net investment gains or losses and other income available 1930–1974: By-line data unavailable 1939–2001: Data on industry total net investment gain or loss available

$P_t$  is direct premiums earned

$L_t$  is direct losses incurred

$P_t^N$  is net premiums earned

$L_t^N$  is net losses incurred

$P_t^R$  is net premiums earned from net purchase of reinsurance

$L_t^R$  is net losses recovered from net purchase of reinsurance

$d_t$  is ratio of dividend to policyholders to direct premiums earned

$i_t$  is ratio of net investment income to premiums earned

13. For 1975–91,  $P_t$  and  $L_t$  were reported in IEE in part II—allocation to lines of business net of reinsurance under “adjusted direct premiums earned” and “adjusted direct losses incurred.” Before 1975, they were not reported at all.

14. A reciprocal company is an entity formed by individuals, called subscribers, who undertake all types of insurance activities.

ratios,  $l_{1950}^{SN}$  and  $l_{1950}^{MN}$ , relative to the combined net loss and loss adjustment expense ratio,  $\tilde{l}_{1950}^{SN}$  and  $\tilde{l}_{1950}^{MN}$ , were calculated for each line of insurance for 1950, where S and M stand for the stock and mutual companies, respectively. These shares were then used as the extrapolators to approximate the net loss ratios,  $\tilde{l}_t^{SN}$  and  $\tilde{l}_t^{MN}$ , for 1930–49. Specifically, for  $t = 1930, \dots, 1949$ ,

$$(T.3) \quad \hat{l}_t^{SN} = \tilde{l}_t^{SN} \times \left( \frac{l_{1950}^{SN}}{\tilde{l}_{1950}^{SN}} \right), \quad \hat{l}_t^{MN} = \tilde{l}_t^{MN} \times \left( \frac{l_{1950}^{MN}}{\tilde{l}_{1950}^{MN}} \right).$$

The net losses incurred for the stock and mutual companies are then approximated as  $\hat{L}_t^{SN} = \hat{l}_t^{SN} P_t^{SN}$  and  $\hat{L}_t^{MN} = \hat{l}_t^{MN} P_t^{MN}$ .

To obtain the total net premiums earned and the total net losses incurred, an approximation of the premiums and losses for the reciprocal companies was needed, but data on the reciprocal companies for some lines are available only for 1971 and 1972. For these lines, the 2-year average ratio of the total net premiums earned to the sum of net premiums earned by the stock and mutual companies,

$$\left( \frac{P_{1971}^N}{P_{1971}^{SN} + P_{1971}^{MN}} + \frac{P_{1972}^N}{P_{1972}^{SN} + P_{1972}^{MN}} \right) / 2$$

were computed. Similarly, the 2-year average ratio of the by-line total net losses incurred to the sum of the net losses incurred for stock and mutual companies,

$$\left( \frac{L_{1971}^N}{L_{1971}^{SN} + L_{1971}^{MN}} + \frac{L_{1972}^N}{L_{1972}^{SN} + L_{1972}^{MN}} \right) / 2$$

were computed. These average ratios were then used to extrapolate the total net premiums earned and the total net losses incurred for  $t = 1930, \dots, 1970$ ,

$$(T.4) \quad \hat{P}_t^N = (P_t^{SN} + P_t^{MN}) \times \left[ \left( \frac{P_{1971}^N}{P_{1971}^{SN} + P_{1971}^{MN}} + \frac{P_{1972}^N}{P_{1972}^{SN} + P_{1972}^{MN}} \right) / 2 \right],$$

$$\hat{L}_t^N = (L_t^{SN} + L_t^{MN}) \times \left[ \left( \frac{L_{1971}^N}{L_{1971}^{SN} + L_{1971}^{MN}} + \frac{L_{1972}^N}{L_{1972}^{SN} + L_{1972}^{MN}} \right) / 2 \right].$$

For the lines that reported net premiums and net losses from the reciprocal companies only for 1972, the extrapolator is the 1-year ratio of the total premiums (losses) to the sum of the premiums (losses) from the stock and mutual companies. For the other lines, the total premiums and total losses are the sum of the premiums and losses from the stocks and mutual companies.

As pointed out earlier, the by-line data on reinsurance are not available for years before 1984, and the data on industry total reinsurance have only been

available since 1951. To use the available industry data, by-line reinsurance data for 1951–74 were approximated by using the industry total reinsurance data and the share of by-line reinsurance of the industry total. Because reinsurance data are available for each line for 1984–2001, the shares of the net premiums for the net purchase of reinsurance and the net losses recovered from the net purchases of reinsurance for each line were computed for 1984–2001. Then the median of each share series was constructed, and the median was used to extrapolate the by-line net premiums for, and net losses recovered from, net purchases of reinsurance. Specifically, for  $t = 1951, \dots, 1974$ ,

$$(T.5) \quad \hat{P}_t^{R,i} = P_t^{R,I} \times m \left( \frac{P^{R,i}}{P^{R,I}} \right), \quad \hat{L}_t^{R,i} = L_t^{R,I} \times m \left( \frac{L^{R,i}}{L^{R,I}} \right),$$

where  $i$  and  $I$  in the superscript index the insurance line and industry total, respectively, and where  $m(\cdot)$  is the median of the shares for 1984–2001. The median instead of the 1984 share was used in order to limit the impact of outlier years.

After  $\hat{P}_t^{R,i}$  and  $\hat{L}_t^{R,i}$  are computed, equation (T.2) was used to approximate direct premiums earned and direct losses incurred for 1951–74. However, because no data on reinsurance for 1930–50 are available, direct premiums earned and direct losses incurred for 1930–50 were extrapolated. The extrapolator is based on the assumption that direct premiums earned (direct losses incurred) grew at the same annual rate as net premiums earned (net losses incurred) from 1930 to 1950. This assumption implies that for  $t = 1930, \dots, 1950$ ,  $P_t$  and  $L_t$  can be extrapolated according to

$$(T.6) \quad \hat{P}_t = P_t^N \times \left( \frac{P_{1951}}{P_{1951}^N} \right), \quad \hat{L}_t = L_t^N \times \left( \frac{L_{1951}}{L_{1951}^N} \right).$$

The above discussion describes the construction of direct premiums earned and direct losses incurred for the insurance lines that did not change classifications over the years. However, the classifications of some lines changed. Some classification changes did not require an adjustment; for example, farmowners multiple peril was included in homeowners multiple peril until 1973, when it became a separate line. On the other hand, some adjustments were necessary before compiling the data.

### Classification changes and adjustments

The classification of the following lines changed: Allied lines, boiler and machine, other liability, other lines, commercial and private auto liabilities and physical damage lines. As a result of these changes, some adjustments were made.

**Allied lines.** Allied fire and extended coverage were

reported as two lines for 1951–70. In 1971, these two lines were combined to form allied lines. To incorporate this change, allied lines for 1951–70 was computed as the sum of these two lines. Before 1992, multiple peril crop and federal flood insurances were included in allied lines, but they have become two separate lines since then. In 1997, glass was excluded from other lines, and it has been included in allied lines since 1997.

**Boiler and machine.** Steam boiler and engine machine were reported as two separate lines of insurance from 1930 to 1939. In 1940, they were combined as boiler and machine. In order to account for this change, boiler and machine for 1930–39 was computed as the sum of these two lines.

**Other liability.** Other liability has been a separate line since 1975. From 1930 to 1974, other liability was included in miscellaneous liabilities, which became a separate line in 1971. From 1930 to 1970, miscellaneous bodily injury and miscellaneous property damage were listed as separate lines, and they jointly covered the liabilities that were later included in miscellaneous liabilities. To account for this change, miscellaneous liabilities for 1930–70 was computed as the sum of miscellaneous bodily injury and miscellaneous property damage.

In 1975, other liability was formed from a major part of miscellaneous liabilities. The remaining part of miscellaneous liabilities coexisted with other liability for 3 years before it ceased to exist. To reflect this change, the average ratios of other liability (OLB) to miscellaneous liabilities (MLB) for 1975, 1976, and 1977 was computed, and then the average ratios were used as the extrapolators to approximate net premiums earned and net losses incurred for other liability. Specifically, for  $t = 1930, \dots, 1974$ ,

$$(T.7) \quad \hat{P}_t^{N, OLB} = P_t^{N, MLB} \times \left[ \frac{P_{1975}^{N, OLB}}{P_{1975}^{N, MLB}} + \frac{P_{1976}^{N, OLB}}{P_{1976}^{N, MLB}} + \frac{P_{1977}^{N, OLB}}{P_{1977}^{N, MLB}} \right] / 3,$$

$$\hat{L}_t^{N, OLB} = L_t^{N, MLB} \times \left[ \frac{L_{1975}^{N, OLB}}{L_{1975}^{N, MLB}} + \frac{L_{1976}^{N, OLB}}{L_{1976}^{N, MLB}} + \frac{L_{1977}^{N, OLB}}{L_{1977}^{N, MLB}} \right] / 3.$$

**Commercial and Private Auto Insurances.** Commercial auto liability, commercial auto physical damage, private auto liability, and private auto physical damage became individual lines in 1972. For 1930–1971, data on private and commercial auto insurances were combined in auto liability and auto physical damage. From 1930 to 1970, the two components of auto liability, auto bodily injury and auto property damage, were two separate lines, and the two components of auto physical damage, auto collision and miscellaneous auto lines, were also two separate

lines. Thus, for those years, auto liability and auto physical damage are represented by the sum of these components.

In order to separate private auto insurance from commercial auto insurance, the shares of these insurances that were accounted for by private auto liability and private auto physical damage were computed. These private auto shares have two components: The ratio of private auto insurance to total auto insurance, and the ratio of the share of household to total motor vehicle stock in a given year,  $MVHS_t/MVS_t$ , to the share in 1972,  $MVHS_{1972}/MVS_{1972}$ . For example, for  $t = 1930, \dots, 1971$ , the private share of auto liability for the net premiums earned,  $SP_t^{PAL}$ , is computed as:

$$(T.8) \quad SP_t^{PAL} = \left[ \frac{P_{1972}^{N, PAL}}{P_{1972}^{N, AL}} \right] \times \left[ \frac{MVHS_t}{MVS_t} / \frac{MVHS_{1972}}{MVS_{1972}} \right],$$

where  $P_t^{N, PAL}$  is the net premiums earned for private auto liability and  $P_t^{N, AL}$  is total premiums for auto liability. The private share of auto liability for net losses incurred is computed similarly. The private auto shares are constructed to adjust the 1972 private auto insurance to total auto insurance ratio by the changes in the relative motor vehicle stock held by the households over time.

The net premiums earned by private auto liability,  $P_t^{N, PAL}$ , for 1930–72, were approximated as the product of  $P_t^{N, PAL}$  and  $SP_t^{PAL}$ . Specifically, for  $t = 1930, \dots, 1972$ ,

$$(T.9) \quad \hat{P}_t^{N, PAL} = SP_t^{PAL} \times P_t^{N, AL}.$$

Net premiums earned for private auto physical damage, net losses incurred for private auto liability, and private auto physical damage were approximated in the same fashion as the net premiums for private auto liability. The commercial auto share for auto liability (auto physical damage) was computed as 1 minus private auto share for auto liability (auto physical damage). Net premiums and losses of the commercial auto lines were approximated accordingly.

**Other lines.** The other lines category was created in 1973, and it includes a few small lines reported on the annual statement of the property-casualty insurance industry. Since its creation, the components of other lines have changed several times. From 1973 to 1977, other lines consisted of factory mutual, international, reinsurance, and miscellaneous write-ins. Since 1978, it has included credit (initially credit included mortgage guarantee, which became a separate line in 1992). In 1980, reinsurance became a separate line, and glass became a component of other lines until 1997, when it

became a component of allied lines. Factory mutual was eliminated in the mid-1980s. Currently, other lines consists of credit, mortgage guarantee, international, and miscellaneous write-ins.

As a result of these changes in other lines, the only adjustment made was to remove reinsurance from other lines for 1973–1980, because reinsurance was the largest component, and without an adjustment, there would be a sharp decline in the data series for other lines. In addition, separating reinsurance from other lines allowed a complete time series for reinsurance for 1973–2001 to be constructed. A.M. Best reported other lines with and without reinsurance for 1980–82. Using these reports, the shares of reinsurance in other lines were calculated, and the average of the shares was used to extrapolate reinsurance for 1973–79.

### Dividends to policyholders

Since 1975, A.M. Best has provided data on dividends to policyholders by line of insurance. From 1975 to 1991, the data were reported on the net basis, and since 1992, the data have been available on both the net basis and the direct basis. A.M. Best also provided data on the average dividends to policyholders as a ratio of premiums earned at the property-casualty insurance industry level since 1951. From 1930 to 1950, data on dividends were not available at any level, so the industry average dividend ratios for 1951–75 were used to approximate by-line dividend ratios for 1930–50.

For 1975–2001, the relationship between the by-line dividend ratios and the industry average dividend ratios appeared to be relatively stable for most of the lines. A simple regression was run for each line, using the log of dividend ratios by line of insurance as the dependent variable and the log of industry average dividend ratios as the independent variable. The estimated coefficient is statistically significant at the 5-percent level for 15 of the 20 lines (the 2 lines, earthquake and medical malpractice, that started after 1975 were excluded). The regression results were then used to project the dividend ratios for 1951–74 for these 15 lines.

The remaining 5 lines are aircraft, farmowners multiple peril, fidelity, surety, and burglary and theft. In terms of premiums earned, these lines are among the smallest, and most of them have fairly low and flat dividend ratios over time. Thus, for these lines, the average dividend ratios for 1975–2001 were used as the approximated dividend ratios for 1951–74.

Unfortunately, no information on dividend ratios for 1930–51 is available. Since dividend to premium ratios account for less than 1 percent for most lines for 1951–74, the by-line average dividend ratio for

1951–74 was used as the approximated dividend ratios for 1930–50.

### Premium supplements

A.M. Best's data on net investment income by line of insurance have been available since 1975. For 1975–91, the data were labeled as "net investment gain or loss and other income," and since 1992, the data have been labeled as "net investment gain on funds attributable to insurance transactions." No data on investment gain by line of insurance are available for years before 1975. However, data on industry total "net investment gain or loss and other income" and data on "total assets invested" for 1939–2001 are available. To fill in the gaps in the series on net investment income by line of insurance, the data for 1939–74 were approximated first, using data at the industry level, and then the data for 1930–39 were approximated.

Using the industry total data for 1939–74, the net investment gain by line of insurance was approximated by multiplying the industry-level rate of return by the technical reserves for each line. The industry-level rate of return was calculated by dividing the total net investment gain or loss by the total assets invested, based on the assumption that each line of insurance had the same rate of return as the industry total for that period. This assumption is consistent with the current calculation of the by-line investment income data reported annually in the IEE table in *Best's Aggregates and Averages: Property-Casualty*.

Technical reserves, the sum of unearned premiums and unpaid losses, are not readily available by line of insurance. A.M. Best provides data on unearned net premiums from 1930, but it does not provide data on unpaid losses before 1984. Therefore, the median of the ratios of unpaid losses to net losses was computed and used to extrapolate the net unpaid losses,  $\hat{L}_t^{NU}$ . Specifically, for  $t = 1930, \dots, 1974$ ,

$$(T.10) \quad \hat{L}_t^{NU} = L_t^N \times m\left(\frac{L^{NU}}{L^N}\right),$$

where  $m(\cdot)$  is the median of the ratios of unpaid losses to total net losses incurred from 1984 to 2001.<sup>15</sup> To be consistent with the current definition of investment funds used in A.M. Best's reports, the technical reserves for year  $t$  were computed as the average of the sum of unearned premiums and unpaid

15. Because a constructed data series on net losses incurred is available for the entire sample period and because data on unpaid losses for 1984–2001 are available, the regression analysis could be considered to project the by-line unpaid losses for 1930–74. This approach was not pursued, because the sample size of 18 for unpaid losses is too small to produce reliable results.

losses in year  $t$  and  $t-1$ . Thus, net investment income for  $t = 1939 \dots, 1974$  can be approximated as:

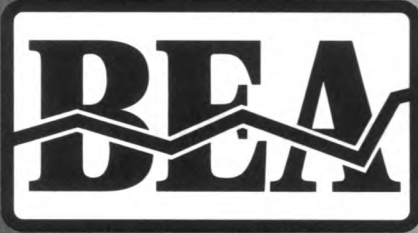
$$(T.11) \quad \hat{I}_t = r_t^I \times [(P_t^{NU} + P_{t-1}^{NU}) + (L_t^{NU} + L_{t-1}^{NU})] / 2,$$

where  $r_t^I$  is the industry-level rate of return to invested funds and  $P_t^{NU}$  is the unearned net premiums.

No data on net investment income for 1930–39 are available. The by-line investment income data for these years was approximated by multiplying the estimated technical reserves by the estimated industry-level rate of return. Because the industry-level rate of return for 1939–59 was flat, mostly between 2 and 2.5 percent, the average of the industry-level rate of return for that period was used as the estimated industry-level rate of return for 1930–39.

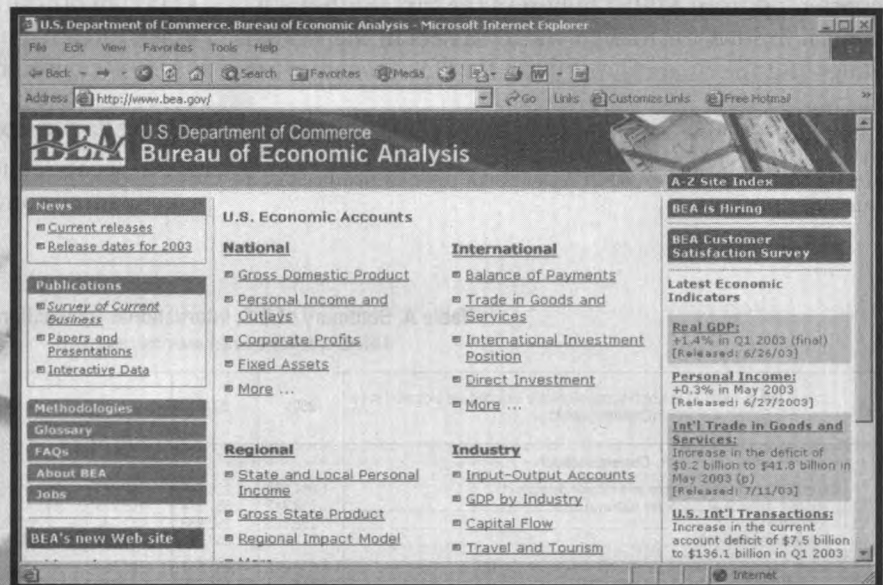
### References

- A.M. Best Company. 1940–2002. *Best's Aggregates and Averages: Property-Casualty, United States*. Oldwick, NJ.
- Australian Bureau of Statistics. 1999. "The Measurement of Nonlife Insurance Output in the Australian National Accounts." Paper presented at the OECD Meeting of the National Accounts Experts, Paris, September.
- Bach, Christopher L. 2003. "Annual Revision of the U.S. International Accounts, 1992–2002." *SURVEY OF CURRENT BUSINESS* 83 (July): 32–45.
- Cagan, Phillip D. 1956. "The Monetary Dynamics of Hyper-Inflation." In *Studies in the Quantity Theory of Money*, edited by Milton J. Friedman. Chicago: University of Chicago Press.
- Commission of the European Communities, International Monetary Fund, Organisation for Economic Co-operation and Development, United Nations, and the World Bank. 1993. *System of National Accounts 1993*. Brussels/Luxembourg, New York, Paris, and Washington, DC.
- Cummins, David J., and Mary A. Weiss. 2000. "Analyzing Firm Performance in The Insurance Industry Using Frontier Efficiency and Productivity Methods." In the *Handbook of Insurance*, edited by G.D. Dionne, 767–825. Boston: Kluwer Academic Publisher.
- Fixler, Dennis J., and Brent R. Moulton. 2001. "Comments on the Treatment of Holding Gains and Losses in the National Accounts." Paper presented at the OECD Meeting of National Accounts Experts, Paris, October.
- Hill, Peter. 1998. "The Treatment of Insurance in the SNA." Paper presented at the Brookings Institution Workshop on Measuring the Price and Output of Insurance, Washington, DC, April.
- Moulton, Brent R., and Eugene P. Seskin. 2003. "Preview of 2003 Comprehensive Revision of the National Income and Product Accounts: Changes in Definitions and Classifications." *SURVEY OF CURRENT BUSINESS* 83 (June): 17–34.
- Muth, John F. 1960. "Optimal Properties of Exponentially Weighted Forecasts." *Journal of the American Statistical Association* 55 (June).
- Muth, John F. 1961. "Rational Expectations and the Theory of Price Movements." *Econometrica* 29 (July): 315–335.



launched an improved  
Web site. Enhancements include:

- *Directorate-level main pages*
- *Interactive data features*
- *Improved navigation*
- *A-Z index*
- *Glossary*
- *FAQs*



*Comments and suggestions welcome*

*webmaster@bea.gov*

**www.bea.gov**

## U.S. International Transactions, Second Quarter 2003

By Patricia E. Abaroa and Renee M. Sauers

THE U.S. current-account deficit—the combined balances on trade in goods and services, income, and net unilateral current transfers—was virtually unchanged at \$138.7 billion in the second quarter of 2003 (table A, chart 1).<sup>1</sup> An increase in the deficit on goods was offset by increases in the surpluses on income and on services and by a decrease in net outflows for unilateral current transfers.

In the financial account, net recorded financial inflows—net acquisitions by foreign residents of assets in the United States less net acquisitions by U.S. residents of assets abroad—were \$148.6 billion in the second quarter, up from \$140.7 billion in the first. Both the financial inflows for foreign-owned assets in the United States and the financial outflows for U.S.-owned assets

abroad strengthened, but inflows strengthened more than outflows.

The statistical discrepancy—errors and omissions in recorded transactions—was a negative \$9.6 billion in the second quarter, compared with a negative \$1.6 billion in the first.

The following are highlights for the second quarter of 2003:

- Goods imports decelerated as a result of a downturn in petroleum and petroleum products.
- Travel receipts and payments decreased to the lowest levels since the fourth quarter of 2001.
- Foreign official assets increased by a record amount.
- Net foreign purchases of U.S. Treasury and other U.S. securities increased strongly.

### U.S. dollar in exchange markets

In the second quarter, the U.S. dollar depreciated 5 percent on a nominal, trade-weighted quarterly aver-

1. Quarterly estimates of U.S. current- and financial-account components are seasonally adjusted when the series demonstrate statistically significant patterns. The accompanying tables present both adjusted and unadjusted estimates.

Table A. Summary of U.S. International Transactions

[Millions of dollars, quarters seasonally adjusted]

Line	Lines in tables 1 and 11 in which transactions are included are indicated in ( ) (Credits +, debits -)	2001	2002	2002				2003		Change: 2003 I-II
				I	II	III	IV	I <sup>a</sup>	II <sup>a</sup>	
<b>Current account</b>										
1	Exports of goods and services and income receipts (1) .....	1,284,942	1,229,649	297,074	307,616	313,939	311,015	310,278	311,002	724
2	Goods, balance of payments basis (3).....	718,712	681,874	165,298	171,421	174,315	170,840	173,346	174,034	688
3	Services (4).....	288,868	292,233	71,144	72,275	73,500	75,311	74,031	73,957	-74
4	Income receipts (12).....	277,362	255,542	60,632	63,920	66,124	64,864	62,901	63,011	110
5	Imports of goods and services and income payments (18) .....	-1,632,072	-1,651,657	-387,864	-416,962	-422,666	-424,165	-431,716	-432,731	-1,015
6	Goods, balance of payments basis (20).....	-1,145,927	-1,164,746	-271,331	-292,707	-297,627	-303,081	-309,364	-312,013	-2,649
7	Services (21).....	-219,472	-227,399	-55,168	-55,877	-57,168	-59,186	-59,642	-59,386	256
8	Income payments (29).....	-266,673	-259,512	-61,365	-68,378	-67,871	-61,898	-62,710	-61,332	1,378
9	Unilateral current transfers, net (35).....	-46,615	-58,853	-15,938	-13,481	-13,997	-15,436	-17,269	-16,942	327
<b>Capital account</b>										
10	Capital account transactions, net (39).....	-1,062	-1,285	-277	-286	-364	-358	-388	-325	63
<b>Financial account</b>										
11	U.S.-owned assets abroad, net (increase/financial outflow (-)) (40).....	-349,939	-178,985	-35,227	-128,567	29,712	-44,902	-101,331	-106,665	-5,334
12	U.S. official reserve assets, net (41).....	-4,911	-3,681	390	-1,843	-1,416	-812	83	-170	-253
13	U.S. Government assets, other than official reserve assets, net (46).....	-486	-32	133	42	-27	-180	-70	-323	-253
14	U.S. private assets, net (50).....	-344,542	-175,272	-35,750	-126,766	31,155	-43,910	-101,344	-106,172	-4,828
Foreign-owned assets in the United States, net (increase/financial										
15	inflow (+)) (55).....	765,531	706,983	146,813	221,242	141,478	197,448	242,004	255,273	13,269
16	Foreign official assets in the United States, net (56).....	5,104	94,860	6,106	47,552	8,992	32,210	40,978	57,580	16,602
17	Other foreign assets in the United States, net (63).....	760,427	612,123	140,707	173,690	132,486	165,238	201,026	197,693	-3,333
18	Statistical discrepancy (sum of above items with sign reversed) (70).....	-20,785	-45,852	-4,581	30,438	-48,102	-23,602	-1,578	-9,612	-8,034
<b>Memoranda:</b>										
19	Balance on current account (76).....	-393,745	-480,861	-106,728	-122,827	-122,724	-128,596	-138,707	-138,671	36
20	Net financial flows (40 and 55).....	415,592	527,998	111,586	92,675	171,190	152,546	140,673	148,608	7,935

<sup>a</sup> Revised.

<sup>a</sup> Preliminary.



age basis against a group of seven major currencies that are widely traded in international markets (table B, chart 2). Since reaching its peak value in early 2002, the dollar has depreciated 18 percent.

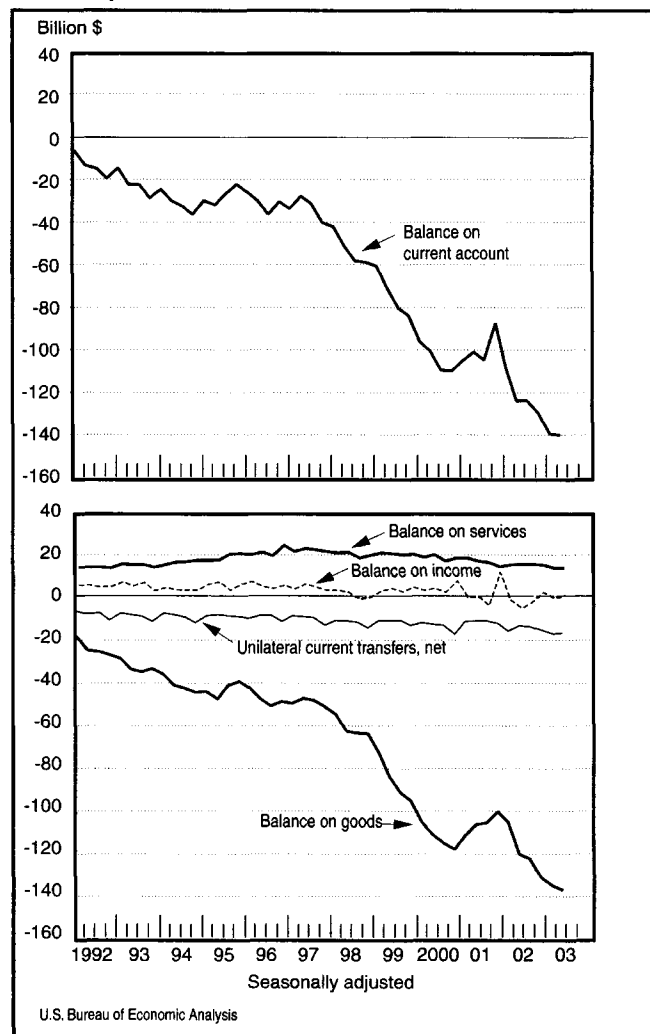
In the second quarter, factors that had a potential impact on the dollar's value included a fall in U.S. interest rates to new record lows, an increase in the U.S. current-account deficit, the end of major military operations in Iraq, and some indications that U.S. economic growth may be picking up. U.S. monetary authorities lowered the target level for the Federal funds rate 25 basis points, to 1 percent, and they noted that the probability of a substantial fall in inflation, though minor, was greater than the probability of a pickup in inflation.

The dollar depreciated 5 percent against the euro, and it reached its lowest level ever against the euro in early June. The euro was boosted by the higher yields available on euro-denominated assets than on dollar-denominated assets. Economic conditions in the euro area remained weak, and the European Central Bank lowered its main policy rate by 50 basis points, to 2.0 percent.

The dollar changed little against the Japanese yen. Economic conditions in Japan remained weak, and Japanese interest rates remained exceptionally low. The Bank of Japan made intervention purchases of dollars for yen in foreign exchange markets on several occasions.

The dollar depreciated 7 percent against the Canadian dollar, and it reached a 6½-year low against the Canadian currency in June. The Bank of Canada raised interest rates 25 basis points to 3.25 percent.

**Chart 1. U.S. Current-Account Balance and Its Components**



**Table B. Indexes of Foreign Currency Price of the U.S. Dollar**  
[January 1999=100]

	2002			2003		2002						2003							
	II	III	IV	I	II	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	
Nominal: 1																			
Broad 2	110.5	109.0	109.9	107.7	103.9	109.3	107.9	109.1	110.0	110.8	109.7	109.2	107.9	107.8	107.3	106.4	102.9	102.4	
Major currencies 3	113.3	108.7	108.7	103.6	98.9	110.3	107.6	109.1	109.4	110.0	108.5	107.5	104.6	103.5	102.7	102.4	97.7	96.6	
Other important trading partners 4	108.0	109.9	112.0	113.3	110.9	108.8	108.7	109.7	111.2	112.5	111.8	111.8	112.5	113.7	113.7	112.0	110.2	110.4	
Real: 1																			
Broad 2	112.0	110.4	110.7	108.6	104.9	110.7	109.2	110.6	111.4	112.0	110.5	109.7	108.5	108.7	108.5	107.4	103.9	103.5	
Major currencies 3	117.1	112.5	112.3	107.5	102.6	113.9	111.2	112.9	113.3	113.8	112.2	110.8	108.2	107.5	106.8	106.3	101.2	100.2	
Other important trading partners 4	106.0	107.8	108.8	109.6	107.7	106.8	106.7	107.7	108.9	109.8	108.5	108.1	108.6	109.9	110.3	108.5	107.0	107.5	
Selected currencies: (nominal) 5																			
Canada	102.3	102.9	103.3	99.4	92.0	100.8	101.7	103.3	103.7	103.9	103.4	102.6	101.4	99.5	97.2	96.0	91.1	89.0	
European currencies:																			
Euro area 6	126.1	117.8	115.9	108.0	102.1	121.2	116.7	118.5	118.2	118.1	115.8	113.7	109.1	107.5	107.4	106.7	100.3	99.3	
United Kingdom	112.8	106.5	105.0	103.0	101.9	111.2	106.0	107.4	106.0	105.9	105.0	104.0	102.0	102.6	104.3	104.8	101.7	99.3	
Switzerland	115.1	107.4	105.8	98.6	96.4	111.1	106.2	108.1	107.8	107.8	105.8	103.9	99.3	98.2	98.3	99.5	94.6	95.2	
Japan	111.9	105.3	108.1	105.0	104.6	108.8	104.1	105.0	106.9	109.4	107.3	107.6	104.9	105.3	104.8	105.8	103.6	104.4	
Mexico	93.6	97.7	100.5	106.9	103.2	96.4	96.6	97.1	99.4	99.7	100.7	101.0	104.9	108.1	107.7	104.6	101.2	103.7	
Brazil	165.6	207.3	242.9	231.2	197.3	179.5	194.5	205.6	221.9	251.1	237.6	239.9	227.3	237.8	228.6	205.6	195.2	191.1	

1. For more information on the nominal and real indexes of the foreign exchange value of the U.S. dollar, see Federal Reserve Bulletin, vol. 84 (October 1998): 811-18.

2. Weighted average of the foreign exchange value of the U.S. dollar against the currencies of a broad group of U.S. trading partners, including the currencies of the euro-area countries, Australia, Canada, Japan, Sweden, Switzerland, United Kingdom, Argentina, Brazil, Chile, Colombia, Mexico, Venezuela, China, Hong Kong, India, Indonesia, Korea, Malaysia, the Philippines, Singapore, Taiwan, Thailand, Israel, Saudi Arabia, and Russia. Data: Federal Reserve Board. Monthly and quarterly average rates. Index rebased by BEA.

3. Weighted average of the foreign exchange value of the U.S. dollar against broad-index currencies that circulate widely outside the country of issue, including the currencies of the euro-area countries, Australia, Canada, Japan, Sweden, Switzerland, and the United Kingdom. The weight for each currency is its broad-

index weight divided by the sum of the broad-index weights for all of the currencies included in the major currency index. Data: Federal Reserve Board. Monthly and quarterly average rates. Index rebased by BEA.

4. Weighted average of the foreign exchange value of the U.S. dollar against broad-index currencies that do not circulate widely outside the country of issue, including the currencies of Argentina, Brazil, Chile, Colombia, Mexico, Venezuela, China, Hong Kong, India, Indonesia, Korea, Malaysia, the Philippines, Singapore, Taiwan, Thailand, Israel, Saudi Arabia, and Russia. The weight for each currency is its broad-index weight divided by the sum of the broad-index weights for all of the currencies included in the other important trading partners index. Data: Federal Reserve Board. Monthly and quarterly average rates. Index rebased by BEA.

5. Data: Federal Reserve Board. Monthly and quarterly average rates. Indexes prepared by BEA.

6. The euro area includes Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, and Spain.

## Current Account

### Goods and services

The deficit on goods and services increased to \$123.4 billion in the second quarter from \$121.6 billion in the first. An increase in the deficit on goods more than offset an increase in the surplus on services.

### Goods

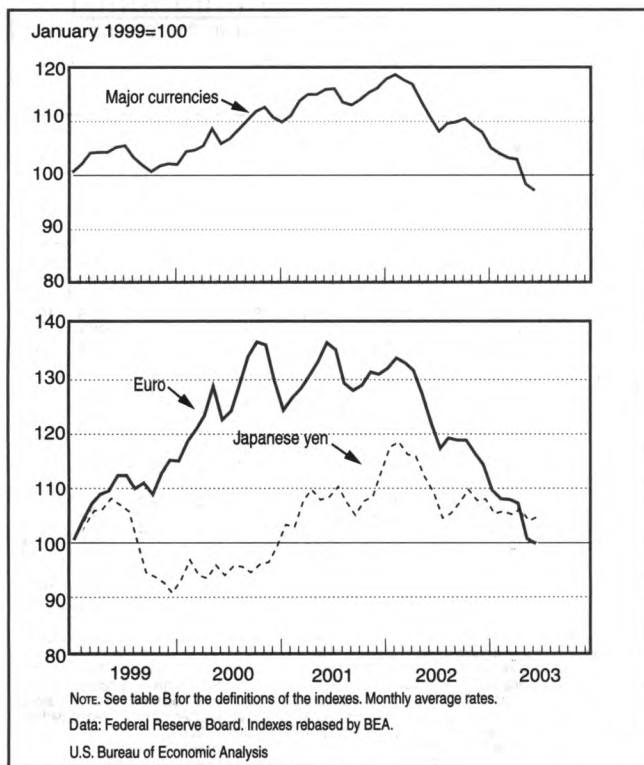
The deficit on goods increased to \$138.0 billion in the second quarter from \$136.0 billion in the first, as imports increased more than exports.

**Exports.** Goods exports increased \$0.7 billion, or less than 1 percent, to \$174.0 billion in the second quarter. In percentage terms, real exports were unchanged, and export prices increased less than 1 percent (table C).<sup>2</sup>

Industrial supplies and materials increased \$0.5 billion, to \$43.0 billion. Metals and nonmetallic products increased \$0.8 billion mainly as a result of increases in shipments of iron and steel products to Western Europe and China and of nonmonetary gold to Switzer-

2. Quantity (real) estimates are calculated using a chain-type Fisher formula with annual weights for all years and quarterly weights for all quarters. Real estimates are expressed as chained (1996) dollars. Price indexes (1996=100) are also calculated using a chain-type Fisher formula.

**Chart 2. Nominal Indexes of Foreign Currency Price of the U.S. Dollar**



### Revisions to the Estimates for the First Quarter of 2003

The international transactions accounts estimates for the first quarter of 2003 have been revised from the preliminary estimates that were published in the July 2003 SURVEY OF CURRENT BUSINESS. The current-account deficit for the first quarter was revised up to \$138.7 billion from \$136.1 billion. The goods deficit was virtually unrevised at \$136.0 billion; the services surplus was virtually unrevised at \$14.4 billion; the surplus on income was revised down to \$0.2 billion from \$2.6 billion; and unilateral current transfers were revised to net outflows of \$17.3 billion from \$17.1 billion. Net recorded financial inflows were revised to \$140.7 billion from \$112.8 billion.

land. Raw cotton increased \$0.3 billion, mainly to developing countries in Asia. In contrast, energy products decreased \$0.4 billion, mainly petroleum and petroleum products to Latin America, and chemicals declined \$0.1 billion.

Consumer goods increased \$0.4 billion, to \$22.0 billion. The increase was more than accounted for by a rebound in consumer durable goods, following two quarters of decline. The largest increases were in recreational equipment and in household and kitchen appliances and other household goods. Consumer nondurable goods and unmanufactured consumer goods both changed little.

Exports of other major end-use commodities decreased by small amounts. Capital goods decreased \$0.3 billion, to \$70.5 billion. The decrease was more than accounted for by a decrease in civilian aircraft, engines, and parts, which fell for the third consecutive quarter to the lowest level in over 5 years, and by a decrease in computers, peripherals, and parts. In contrast, semiconductors increased 6 percent in the second quarter, following an identical increase in the first. Foods, feeds, and beverages were nearly unchanged at \$13.0 billion, as declines in soybeans and wheat were largely offset by increases in corn and meat products. Automotive vehicles, engines, and parts were nearly unchanged at \$19.9 billion; a decline in exports to Canada was almost fully offset by an increase in exports to other areas, mainly passenger cars to Mexico, Western Europe, and Japan and trucks and buses to a variety of countries.

**Imports.** Goods imports increased \$2.6 billion, or 1 percent, to \$312.0 billion in the second quarter. Real imports increased 3 percent, and import prices decreased 2 percent (table C). In value, an increase in nonpetroleum products more than offset a decrease in

petroleum and petroleum products (chart 3).

Nonpetroleum products increased \$4.0 billion, largely as a result of increases in capital goods and in automotive vehicles, engines, and parts. Capital goods increased \$2.0 billion, the most in four quarters, reflecting upturns in computers, peripherals, and parts and in telecommunications equipment and stronger increases in several other commodity categories. Automotive vehicles, engines, and parts increased \$1.8 billion, largely as a result of a strong increase in passenger cars, mostly from Germany, Sweden, and Mexico. Consumer goods and nonpetroleum industrial supplies and materials both changed little, following several quarters of sizable growth.

Petroleum and petroleum products decreased \$1.4 billion, following four consecutive quarterly increases. The decline was attributable to a fall in petroleum prices. The average price per barrel fell 14 percent, to \$26.48 in the second quarter from \$30.77 in the first. The average number of barrels imported daily increased to 13.47 million from 12.09 million.

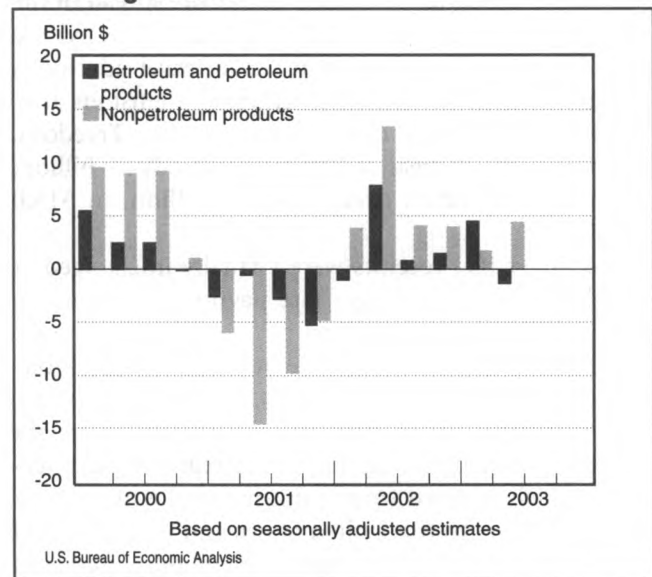
**Balances by area.** The goods deficits with China, Venezuela, and Germany registered the largest increases in the second quarter.<sup>3</sup> The deficit with China

3. Seasonally adjusted estimates for exports for areas and countries are derived by applying seasonal factors for total U.S. agricultural and nonagricultural exports to the unadjusted agricultural and nonagricultural exports for areas and countries and then summing the seasonally adjusted estimates. Seasonally adjusted estimates for imports for areas and countries are derived by applying seasonal factors for total U.S. petroleum and nonpetroleum imports to the unadjusted petroleum and nonpetroleum imports for areas and countries and then summing the seasonally adjusted estimates. (The seasonal factors are derived from the seasonal adjustment of U.S. exports and U.S. imports by five-digit end-use commodity category.)

increased \$3.5 billion, mainly due to an increase in imports. The deficit with Venezuela increased \$2.2 billion, as imports of petroleum and petroleum products rebounded after two consecutive quarters of decline. The deficit with Germany increased \$1.4 billion as a result of an increase in imports and a decrease in exports.

These increases were partly offset by decreases in the goods deficits with Canada, Japan, and Mexico. The deficit with Canada decreased \$3.5 billion, the deficit

**Chart 3. U.S. Goods Imports: Change from Preceding Quarter**



**Table C. U.S. Trade in Goods, Current and Chained (1996) Dollars, and Percent Changes from Previous Period**

[Balance of payments basis, millions of dollars, quarters seasonally adjusted]

	Current dollars								Chained (1996) dollars <sup>1</sup>							
	2001	2002	2002				2003		2001	2002	2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
Exports .....	718,712	681,874	165,298	171,421	174,315	170,840	173,346	174,034	769,334	733,356	179,399	184,980	186,533	182,385	183,513	183,522
Agricultural products .....	54,889	54,513	13,723	13,506	13,557	13,727	14,228	14,371	70,497	68,821	18,012	17,549	16,698	16,637	17,097	16,963
Nonagricultural products .....	663,823	627,361	151,575	157,915	160,758	157,113	159,118	159,663	699,276	665,141	161,784	167,656	169,863	165,818	166,529	166,645
Imports .....	1,145,927	1,164,746	271,331	292,707	297,627	303,081	309,364	312,013	1,247,335	1,289,577	307,492	323,255	326,524	331,744	329,181	337,932
Petroleum and products .....	103,588	103,491	19,140	27,052	27,913	29,386	33,983	32,584	89,223	87,084	20,543	22,172	21,554	22,485	21,753	24,249
Nonpetroleum products .....	1,042,339	1,061,255	252,191	265,655	269,714	273,695	275,381	279,429	1,153,540	1,198,346	286,125	299,938	304,109	308,076	306,524	311,619

	Percent change from previous period (current dollars)								Percent change from previous period (chained (1996) dollars)							
	2001	2002	2002				2003		2001	2002	2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
Exports .....	-6.9	-5.1	-1.4	3.7	1.7	-2.0	1.5	0.4	-6.3	-4.7	-1.1	3.1	0.8	-2.2	0.6	0.0
Agricultural products .....	4.0	-0.7	-1.0	-1.6	0.4	1.3	3.6	1.0	3.2	-2.4	-0.2	-2.6	-4.8	-0.4	2.8	-0.8
Nonagricultural products .....	-7.7	-5.5	-1.4	4.2	1.8	-2.3	1.3	0.3	-7.0	-4.9	-1.2	3.6	1.3	-2.4	0.4	0.1
Imports .....	-6.4	1.6	1.0	7.9	1.7	1.8	2.1	0.9	-3.6	3.4	1.6	5.1	1.0	1.6	-0.8	2.7
Petroleum and products .....	-13.8	-0.1	-5.5	41.3	3.2	5.3	15.6	-4.1	3.5	-2.4	-5.3	7.9	-2.8	4.3	-3.3	11.5
Nonpetroleum products .....	-5.6	1.8	1.6	5.3	1.5	1.5	0.6	1.5	-4.3	3.9	2.1	4.8	1.4	1.3	-0.5	1.7

<sup>r</sup> Revised.

<sup>p</sup> Preliminary.

1. Because chain indexes use weights of more than one period, the corresponding chained dollar estimates are usually not additive.

with Japan declined \$1.3 billion, and the deficit with Mexico fell \$1.0 billion. All of the decreases were attributable to a combination of lower imports and higher exports.

### Services

The surplus on services increased to \$14.6 billion in the second quarter from \$14.4 billion in the first quarter. Services receipts were virtually unchanged at \$74.0 billion, and services payments decreased \$0.3 billion, to \$59.4 billion.

Both travel receipts and travel payments decreased in the second quarter, following large declines in the first quarter. The decline in international travel partly reflected the ongoing concerns about the spread of the severe acute respiratory syndrome, which caused the World Health Organization to issue travel advisories for Toronto and several Asian cities, and tensions arising from the conduct of Operation Iraqi Freedom. Travel receipts decreased \$1.2 billion, to \$14.9 billion, and travel payments decreased \$1.2 billion, to \$13.0 billion.

Passenger fare receipts were virtually unchanged at \$3.8 billion, and passenger fare payments were virtually unchanged at \$4.9 billion.

“Other” transportation receipts increased \$0.1 billion, to \$7.9 billion. An increase in freight services, which partly resulted from an increase in air freight services, was largely offset by a decrease in port services, which resulted from a decline in the number of foreign visitors to the United States and a drop in fuel prices. “Other” transportation payments increased \$0.3 billion, to \$11.2 billion. An increase in ocean freight services more than offset a decline in air port services.

“Other” private services receipts increased \$0.8 billion, to \$32.5 billion. Unaffiliated services receipts increased \$0.5 billion as a result of increases in business, professional, and technical services, in financial services, and in education. “Other” private services payments increased \$0.2 billion, to \$18.7 billion. Unaffiliated services payments increased \$0.2 billion as a result of increases in insurance services and in business, professional, and technical services.

Direct defense expenditures increased \$0.3 billion to a record \$6.0 billion, reflecting additional expenditures for operations in Iraq.

### Income

The surplus on income increased to \$1.7 billion in the second quarter from \$0.2 billion in the first quarter. Income receipts increased \$0.1 billion, to \$63.0 billion, and income payments decreased \$1.4 billion, to \$61.3 billion.

Receipts of income on U.S. direct investment abroad increased \$1.6 billion, to \$39.1 billion. The increase was attributable to a widespread rise in earnings. Earnings in wholesale trade, in finance and insurance, in manufacturing, and in “other” industries all increased. By area, the largest increases in earnings were by foreign affiliates in Western Europe, particularly in Switzerland and the Netherlands.

Payments of income on foreign direct investment in the United States increased \$0.9 billion, to \$16.3 billion. The increase was more than accounted for by a rise in earnings. Increased earnings in finance and insurance, in manufacturing, and in “other” industries were partly offset by decreased earnings in wholesale trade. By area, the largest increases in earnings were by U.S. affiliates with parent companies in Canada, Japan, and the Netherlands.

Receipts of “other” private income decreased \$1.4 billion, to \$22.3 billion. The decrease was attributable to decreases in dividends and interest earned on U.S. holdings of foreign securities as a result of a fall in average yields. Payments of “other” private income decreased \$1.6 billion, to \$26.6 billion. The decline was largely attributable to decreases in dividends and interest paid on foreign holdings of U.S. securities as a result of a fall in average yields.

Receipts of income on U.S. Government assets declined \$0.1 billion, to \$0.7 billion. Payments of income on U.S. Government liabilities decreased \$0.6 billion, to \$16.3 billion, as a result of declining bond yields.

### Unilateral current transfers

Unilateral current transfers decreased to net outflows of \$16.9 billion in the second quarter from net outflows of \$17.3 billion in the first quarter. The decrease was accounted for by declines in U.S. Government grants and in private remittances and other private transfers to foreigners.

### Capital Account

Capital account transactions were net outflows of \$0.3 billion in the second quarter, compared with \$0.4 billion in the first quarter.

### Financial Account

Net recorded financial inflows—net acquisitions by foreign residents of assets in the United States less net acquisitions by U.S. residents of assets abroad—were \$148.6 billion in the second quarter, up from \$140.7 billion in the first quarter. Both financial inflows for foreign-owned assets in the United States and financial outflows for U.S.-owned assets abroad strengthened, but inflows grew more than outflows.

**U.S.-owned assets abroad**

Net U.S.-owned assets abroad increased \$106.7 billion in the second quarter, following an increase of \$101.3 billion in the first quarter. The pickup was more than accounted for by a larger increase in claims on foreigners reported by U.S. banks and nonbanks in the second quarter than in the first quarter. In contrast, transactions in foreign securities shifted to net U.S. sales from net U.S. purchases.

**U.S. official reserve assets.** U.S. official reserve assets increased \$0.2 billion in the second quarter after decreasing \$0.1 billion in the first quarter. In the second quarter, increases in U.S. holdings of special drawing rights and of foreign currencies more than offset a decrease in the U.S. reserve position in the International Monetary Fund.

**Claims reported by banks and by nonbanks.** U.S. claims on foreigners reported by U.S. banks and securities brokers increased \$60.6 billion in the second quarter, following an increase of \$27.8 billion in the first quarter (chart 4).

Claims for own accounts denominated in dollars increased \$40.6 billion, following an increase of \$10.4 billion. In the second quarter, a strong pickup in lending by foreign-owned banks in the United States to banks abroad partly supported an increase in net foreign purchases of U.S. securities. Foreign borrowers benefited from declining interest rates and a slight easing in bank lending terms. Lending by securities brokers and dealers also strengthened, largely in the form of resale agreements with investors in the Caribbean.

Claims for customers' accounts denominated in dollars increased \$24.0 billion, following an increase of \$5.6 billion. More than half of the second-quarter increase was accounted for by an increase in dollar deposits abroad.

Claims reported by U.S. nonbanking concerns increased \$22.8 billion, following an increase of \$12.0 billion.

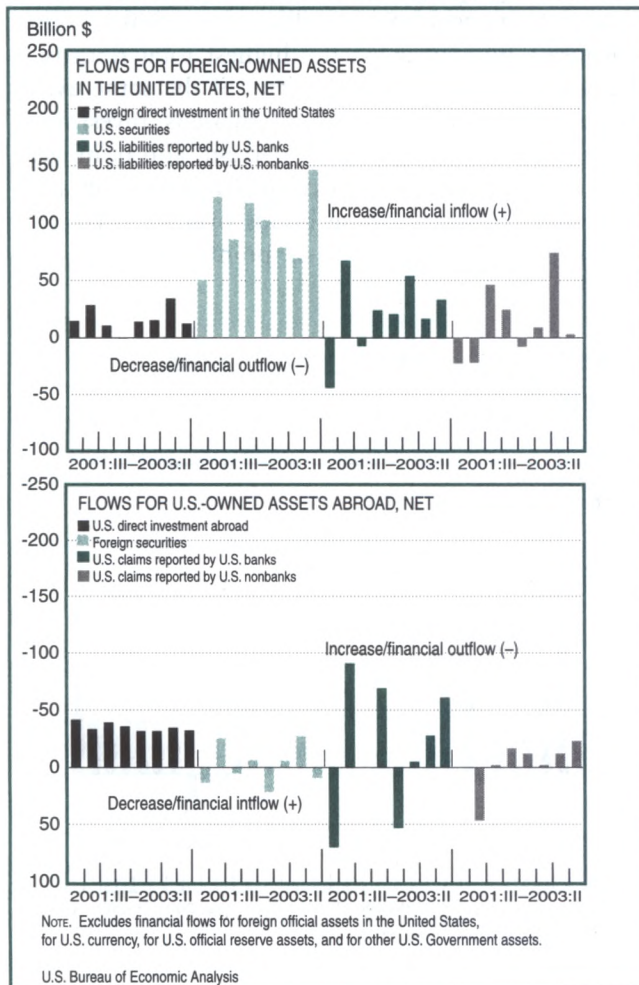
**Foreign securities.** Transactions in foreign securities shifted to net U.S. sales of \$9.2 billion in the second quarter from net U.S. purchases of \$27.1 billion in the first quarter. The shift resulted from an increase in net U.S. sales of foreign bonds and a decrease in net U.S. purchases of foreign stocks.

Net U.S. sales of foreign bonds increased to a record \$26.2 billion from \$7.2 billion. Net U.S. sales of foreign bonds have continued for six consecutive quarters, as foreign bond yields have fallen substantially. In the second quarter, the sharp selloff of foreign bonds by U.S. investors was also attributable to the end of major combat operations in Iraq and to some positive news about the U.S. economic situation. New issues of foreign bonds in the United States fell to the lowest level since the third quarter of 1990, and net U.S. sales of outstanding foreign bonds stepped up.

Net U.S. purchases of foreign stocks decreased to \$16.9 billion from \$34.4 billion. The decrease was largely attributable to a drop in merger-related exchanges of stock. Nonmerger-related net U.S. purchases decreased slightly but remained moderately strong. Despite continued weakness in many major foreign economies, world stock markets rallied amid indications that the U.S. economy may be strengthening and as major combat operations in Iraq ended. In local-currency terms, foreign stock prices rose 14 percent, reflecting strong performances in all the major equity markets.

**Direct investment.** Net financial outflows for U.S. direct investment abroad were \$32.0 billion in the second quarter, down from \$34.4 billion in the first quarter. The decrease was more than accounted for by a shift in intercompany debt to net inflows from net outflows and a decrease in reinvested earnings. In contrast, net equity capital outflows increased.

**Chart 4. Selected Financial Flows, 2001:III–2003:II**



**Foreign-owned assets in the United States**

Net foreign-owned assets in the United States increased \$255.3 billion in the second quarter, following an increase of \$242.0 billion in the first quarter. The pickup was mostly attributable to a surge in net foreign purchases of U.S. securities. In addition, both foreign official assets in the United States and U.S. liabilities to foreigners reported by banks increased more in the second quarter than in the first quarter. In contrast, U.S. liabilities reported by nonbanking concerns increased much less in the second quarter than in the exceptionally strong first quarter, and net inflows for foreign direct investment in the United States slowed.

**Foreign official assets.** Foreign official assets in the United States increased a record \$57.6 billion in the second quarter, following an increase of \$41.0 billion in the first quarter. The increases in foreign official assets in the last three quarters have been large, as the depreciation of the U.S. dollar has prompted some foreign countries to make intervention purchases of dollars in foreign exchange markets.

**Liabilities reported by banks and by nonbanks.** U.S. liabilities to foreigners reported by U.S. banks and securities brokers, excluding U.S. Treasury securities, increased \$33.2 billion in the second quarter, following an increase of \$16.7 billion in the first quarter.

Liabilities for own accounts denominated in dollars increased \$29.6 billion, following an increase of \$19.6 billion. In the second quarter, a pickup in borrowing by foreign-owned banks in the United States partly supported the increase in those banks' international lending. Borrowing by securities brokers and dealers also strengthened. In contrast, liabilities of U.S.-owned banks decreased, partly as a result of a downturn in the banks' international lending.

Liabilities for customers' accounts denominated in dollars increased \$20.4 billion after decreasing \$8.7 billion. Most of the increase was in the form of negotiable certificates of deposit and other short-term instruments.

Liabilities reported by U.S. nonbanking concerns increased \$3.2 billion, following an increase of \$74.8 billion.

**U.S. Treasury securities.** Net purchases of U.S. Treasury securities by private foreigners surged to \$61.1 billion in the second quarter from \$14.6 billion in the first quarter (chart 5). The second-quarter net purchases were the second largest on record (after that of the fourth quarter of 1996) and marked the seventh consecutive quarter of net purchases, following net sales in most quarters in 1999-2001. In the second quarter, net purchases by investors in Japan were especially strong, accounting for 41 percent of total net purchases. U.S. Treasury security prices increased, and

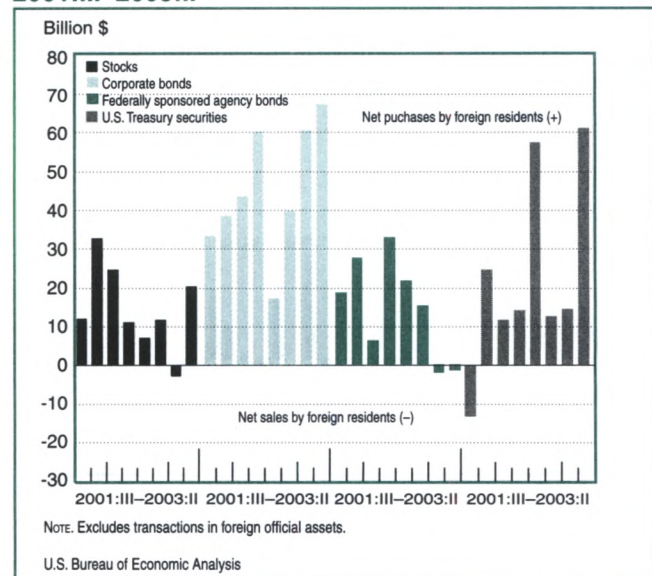
yields on Treasury bonds and notes fell, on average, over 30 basis points.

**Other U.S. securities.** Net foreign purchases of U.S. securities other than U.S. Treasury securities increased strongly to \$86.5 billion in the second quarter from \$55.6 billion in the first quarter. The stepup largely reflected a shift to net foreign purchases of U.S. stocks from net foreign sales and an increase in net foreign purchases of U.S. corporate bonds (chart 5).

Transactions in U.S. stocks shifted to net foreign purchases of \$20.6 billion from net foreign sales of \$2.6 billion. Improved corporate earnings, historically low bond yields, and the end of major combat operations in Iraq may have increased investor interest in equity markets. All major stock indexes posted their best quarterly performances in over a year; the NASDAQ Composite Index gained 21 percent; the S&P 500 Index, 15 percent; and the Dow Jones Industrial Average Index, 12 percent. Net purchases by investors in Canada, the Cayman Islands, and Germany each totaled over \$4.0 billion. However, investors in Japan sold \$2.4 billion of their holdings of U.S. stocks, in contrast to net purchases of \$1.5 billion in the first quarter.

Net foreign purchases of U.S. corporate bonds increased to a record \$67.2 billion from \$60.4 billion. Corporate bonds posted the highest total returns in many years, responding to many of the same events that led to the rally in the equity markets. Investment-grade bonds had returns of 5 percent, and noninvestment-grade bonds had returns of 10 percent. In addition, the spreads on these bonds over U.S. Treasury bonds narrowed by 36 basis points and 151 basis

**Chart 5. Transactions in U.S. Securities, 2001:III-2003:II**



points, respectively (chart 6). Net foreign purchases of outstanding bonds increased, and new issues sold abroad by U.S. corporations decreased.

Net foreign sales of federally sponsored agency bonds slowed to \$1.3 billion from \$2.2 billion. The net sales of agency bonds in the first and second quarters were largely attributable to substantial liquidations, calls, and repurchases of agency debt. A decrease in net foreign sales of outstanding bonds was partly offset by a decrease in new agency issues sold abroad.

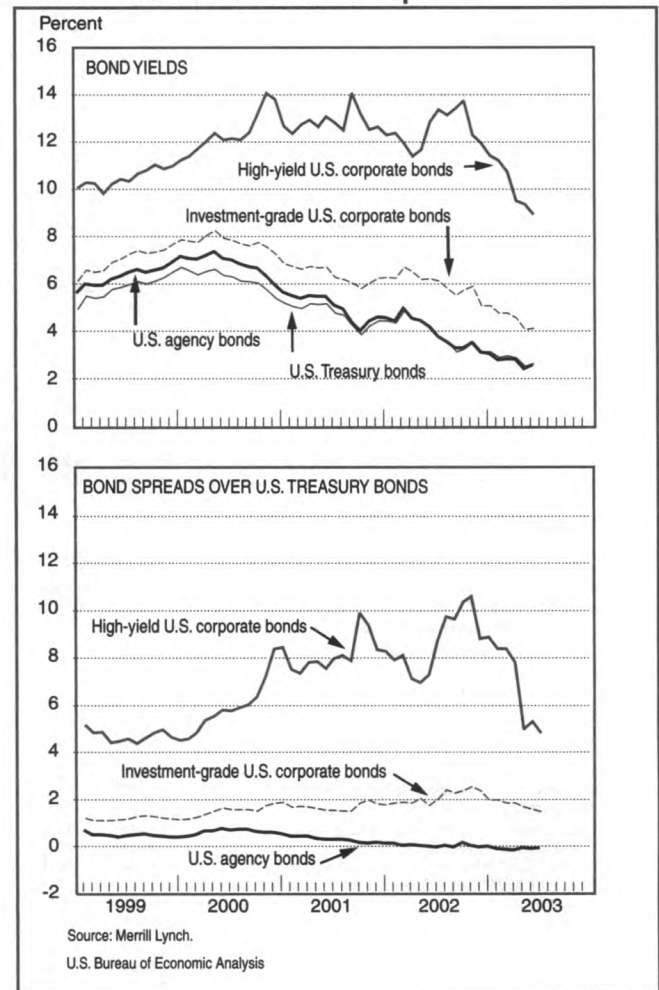
**U.S. currency flows.** Net U.S. currency shipments to foreigners slowed to \$1.5 billion in the second quarter from \$4.9 billion in the first quarter.

**Direct investment.** Net financial inflows for foreign direct investment in the United States slowed to \$12.1 billion in the second quarter from \$34.4 billion in the

first quarter. The decrease was more than accounted for by a steep drop in net equity capital inflows to the lowest level in over 17 years. Reinvested earnings also decreased. In contrast, intercompany debt shifted to net inflows from net outflows.

*Tables 1 through 11 follow.*

**Chart 6. U.S. Bond Yields and Spreads**



**Data Availability**

Interactive access to the estimates that are presented in tables 1–12 of the U.S. international transactions accounts is available on BEA’s Web site at <[www.bea.gov](http://www.bea.gov)>. You may view the most recent quarterly estimates (annual estimates for table 12) for an entire table with a single mouse click, or you may select the period, frequency, and lines that you wish to view. The estimates are available as an HTML table or as comma-separated values that can be downloaded and imported into a spreadsheet or database.

The current and historical estimates in tables 1–12 are also available as compressed files on BEA’s Web site; click on “Catalog of Products,” and look under “International Accounts Products,” “Balance of Payments.”

The estimates are also available on diskettes. For more information, call BEA’s Order Desk at 1–800–704–0415 (outside the United States, call 202–606–9666).

Table 1. U.S. International Transactions

(Millions of dollars)

Line	(Credits +; debits -) <sup>1</sup>	Not seasonally adjusted										Seasonally adjusted			
		2002		2002		2003		2002		2003		2002		2003	
		I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II <sup>p</sup>
<b>Current account</b>															
1	Exports of goods and services and income receipts	1,229,649	294,947	310,189	312,767	311,746	307,576	313,376	297,074	307,616	313,939	311,015	310,278	311,002	311,002
2	Exports of goods and services	974,107	233,613	245,704	245,866	248,924	243,942	249,875	236,442	243,696	247,815	246,151	247,377	247,991	247,991
3	Goods, balance of payments basis <sup>2</sup>	681,874	163,785	175,002	169,014	174,073	171,180	177,678	165,298	171,421	174,315	170,840	173,346	174,034	174,034
4	Services <sup>3</sup>	292,233	69,828	70,702	76,852	74,851	72,762	72,197	71,144	72,275	73,500	75,311	74,031	73,957	73,957
5	Transfers under U.S. military agency sales contracts <sup>4</sup>	11,943	2,785	2,751	3,418	2,989	2,827	3,023	2,785	2,751	3,418	2,989	2,827	3,023	3,023
6	Travel	66,547	14,479	16,732	18,829	16,507	14,286	15,546	16,295	16,030	16,217	18,005	16,089	14,902	14,902
7	Passenger fares	17,046	3,872	4,281	4,831	4,062	3,444	3,768	4,224	4,279	4,288	4,255	3,736	3,768	3,768
8	Other transportation	29,166	6,784	7,104	7,646	7,632	7,488	7,941	7,102	7,075	7,307	7,682	7,837	7,910	7,910
9	Royalties and license fees <sup>5</sup>	44,142	10,139	11,012	11,168	11,823	11,297	11,485	10,373	11,221	11,389	11,157	11,630	11,643	11,643
10	Other private services <sup>5</sup>	122,594	31,574	28,623	30,760	31,637	33,218	30,232	30,170	30,720	30,681	31,022	31,710	32,509	32,509
11	U.S. Government miscellaneous services	795	195	199	200	201	202	202	195	199	200	201	202	202	202
12	Income receipts	255,542	61,334	64,485	66,901	62,822	63,634	63,501	60,832	63,920	66,124	64,864	62,901	63,011	63,011
13	Income receipts on U.S.-owned assets abroad	252,379	60,523	63,705	66,116	62,035	62,827	62,687	59,821	63,140	65,339	64,077	62,094	62,197	62,197
14	Direct investment receipts	142,933	32,674	35,538	37,986	36,735	38,124	39,720	32,058	34,874	37,264	38,336	37,508	39,131	39,131
15	Other private receipts	106,143	26,500	27,225	24,408	23,700	22,321	26,500	27,560	27,225	24,408	23,700	22,321	22,321	22,321
16	U.S. Government receipts	3,303	899	607	905	892	1,003	646	813	706	850	934	886	745	745
17	Compensation of employees	3,163	811	780	785	787	807	814	811	780	785	787	807	814	814
18	Imports of goods and services and income payments	-1,651,857	-373,437	-418,753	-431,963	-427,504	-416,512	-434,240	-387,864	-416,962	-422,666	-424,165	-431,716	-432,731	-432,731
19	Imports of goods and services	-1,392,145	-312,227	-349,828	-363,766	-366,524	-354,003	-372,140	-326,499	-348,584	-354,795	-362,267	-369,006	-371,399	-371,399
20	Goods, balance of payments basis <sup>2</sup>	-1,164,746	-260,732	-291,870	-303,073	-309,071	-298,174	-311,024	-271,331	-292,707	-297,627	-303,081	-309,364	-312,013	-312,013
21	Services <sup>3</sup>	-227,399	-51,495	-57,758	-60,693	-57,453	-55,829	-61,116	-55,168	-55,877	-57,168	-59,186	-59,642	-59,386	-59,386
22	Direct defense expenditures	-19,245	-4,394	-4,668	-4,990	-5,193	-5,674	-6,000	-4,394	-4,668	-4,990	-5,193	-5,674	-6,000	-6,000
23	Travel	-58,044	-12,430	-15,806	-16,930	-12,878	-12,196	-14,395	-14,435	-14,252	-14,314	-15,025	-14,168	-13,014	-13,014
24	Passenger fares	-19,969	-4,422	-5,475	-5,430	-4,642	-4,479	-5,512	-4,874	-4,874	-4,829	-5,392	-4,960	-4,920	-4,920
25	Other transportation	-38,527	-8,420	-9,577	-10,138	-10,392	-10,303	-11,226	-8,891	-9,580	-9,787	-10,271	-10,873	-11,182	-11,182
26	Royalties and license fees <sup>5</sup>	-19,258	-4,607	-4,765	-4,941	-4,945	-4,564	-4,679	-4,728	-4,902	-5,036	-4,592	-4,698	-4,835	-4,835
27	Other private services <sup>5</sup>	-69,431	-16,481	-16,742	-17,539	-18,674	-17,868	-18,555	-17,087	-18,876	-17,487	-17,984	-18,524	-18,686	-18,686
28	U.S. Government miscellaneous services	-2,920	-741	-725	-725	-729	-745	-749	-741	-725	-725	-729	-745	-749	-749
29	Income payments	-259,512	-61,210	-69,125	-68,197	-60,980	-62,509	-62,100	-61,365	-68,378	-67,871	-61,898	-62,710	-61,332	-61,332
30	Income payments on foreign-owned assets in the United States	-251,108	-59,211	-67,085	-66,107	-58,705	-60,428	-60,075	-59,271	-66,246	-65,820	-59,771	-60,527	-59,213	-59,213
31	Direct investment payments	-49,458	-8,074	-14,303	-15,637	-11,444	-13,332	-17,170	-8,134	-13,464	-15,350	-12,511	-15,431	-16,308	-16,308
32	Other private payments	-127,735	-32,512	-33,773	-31,802	-29,648	-28,245	-26,638	-32,512	-33,773	-31,802	-29,648	-28,245	-26,638	-26,638
33	U.S. Government payments	-73,915	-18,625	-19,009	-18,668	-17,613	-16,851	-16,267	-18,625	-19,009	-18,668	-17,613	-16,851	-16,267	-16,267
34	Compensation of employees	-8,404	-1,999	-2,040	-2,090	-2,275	-2,081	-2,025	-2,094	-2,132	-2,051	-2,127	-2,183	-2,119	-2,119
35	Unilateral current transfers, net	-58,853	-16,450	-12,634	-13,772	-15,787	-17,575	-16,697	-15,938	-13,481	-13,997	-15,436	-17,269	-16,942	-16,942
36	U.S. Government grants <sup>6</sup>	-17,097	-6,397	-3,287	-3,075	-4,338	-5,813	-5,620	-6,397	-3,287	-3,075	-4,338	-5,813	-5,620	-5,620
37	U.S. Government pensions and other transfers	-5,125	-1,330	-1,005	-923	-1,867	-1,037	-1,208	-1,271	-1,279	-1,282	-1,292	-1,320	-1,335	-1,335
38	Private remittances and other transfers <sup>6</sup>	-36,631	-8,723	-8,542	-9,774	-9,592	-10,725	-9,869	-8,270	-8,915	-9,640	-9,806	-10,136	-9,987	-9,987
<b>Capital and financial account</b>															
<b>Capital account</b>															
39	Capital account transactions, net	-1,285	-277	-286	-364	-358	-388	-325	-277	-286	-364	-358	-388	-325	-325
<b>Financial account</b>															
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-178,985	-37,698	-130,751	26,896	-37,432	-103,903	-109,412	-35,227	-128,567	29,712	-44,902	-101,331	-106,665	-106,665
41	U.S. official reserve assets, net	-3,681	390	-1,843	-1,416	-812	83	-170	390	-1,843	-1,416	-812	83	-170	-170
42	Gold <sup>7</sup>	-475	-109	-107	-132	-127	897	-102	-109	-107	-132	-127	897	-102	-102
43	Special drawing rights	-2,632	652	-1,607	-1,136	-541	-644	86	652	-1,607	-1,136	-541	-644	86	86
44	Reserve position in the International Monetary Fund	-574	-153	-129	-148	-144	-170	-154	-153	-129	-148	-144	-170	-154	-154
45	Foreign currencies	-32	133	42	-27	-180	-70	-323	133	42	-27	-180	-70	-323	-323
46	U.S. Government assets, other than official reserve assets, net	-5,611	-853	-565	-1,375	-2,818	-2,578	-928	-853	-565	-1,375	-2,818	-2,578	-928	-928
47	U.S. credits and other long-term assets	5,684	994	566	1,452	2,672	2,472	674	994	566	1,452	2,672	2,472	674	674
48	Repayments on U.S. credits and other long-term assets <sup>8</sup>	-105	-8	41	-104	-34	36	-69	-8	41	-104	-34	36	-69	-69
49	U.S. private assets, net	-175,272	-38,221	-128,950	28,339	-36,440	-103,916	-108,919	-35,750	-126,766	31,155	-43,910	-101,344	-106,172	-106,172
50	Direct investment	-137,836	-41,554	-37,643	-34,439	-24,200	-36,977	-34,767	-39,083	-35,459	-31,623	-31,670	-34,405	-32,020	-32,020
51	Foreign securities	15,801	5,367	-3,643	21,641	-5,364	-27,146	9,240	5,367	-5,843	21,641	-5,364	-27,146	9,240	9,240
52	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-31,880	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789	-22,789
53	U.S. claims reported by U.S. banks, not included elsewhere	-21,357	-148	-69,254	52,999	-4,954	-27,795	-60,603	-148	-69,254	52,999	-4,954	-27,795	-60,603	-60,603
54	Foreign-owned assets in the United States, net (increase/financial inflow (+))	706,983	146,075	224,088	142,129	194,691	241,859	257,612	146,813	221,242	141,478	197,448	242,004	255,273	255,273
55	Foreign official assets in the United States, net	94,860	6,106	47,552	8,992	32,210	40,978	57,580	6,106	47,552	8,992	32,210	40,978	57,580	57,580
56	U.S. Government securities	73,521	6,257	21,706	12,300	33,258	31,768	36,522	6,257	21,706	12,300	33,258	31,768	36,522	36,522
57	U.S. Treasury securities <sup>9</sup>	43,144	-1,039	15,138	1,415	27,630	22,288	33,232	-1,039	15,138	1,415	27,630	22,288	33,232	33,232
58	Other <sup>10</sup>	30,377	7,296	6,568	10,885	5,628	9,480	3,290	7,296	6,568	10,885	5,628	9,480	3,290	3,290
59	Other U.S. Government liabilities <sup>11</sup>	137	-597	365	464	-95	-437	-32	-597	365	464	-95	-437	-32	-32
60	U.S. liabilities reported by U.S. banks, not included elsewhere	17,594	-280	24,575	-4,607	-2,094	8,321	20,385	-280	24,575	-4,607	-2,094	8,321	20,385	20,385
61	Other foreign official assets <sup>12</sup>	3,608	726	906	835	1,141	1,326	705	726	906	835	1,141	1,326	705	705
62	Other foreign assets in the United States, net	612,123	139,969	176,536	133,137	162,481	200,881	200,032	140,707	173,690	132,486	165,238	201,026	197,693	197,693
63	Direct investment	39,633	9,869	2,390	14,850	12,524	34,241	14,476	10,607	-456	14,199	15,281	34,386	12,137	12,137
64	U.S. Treasury securities	96,217	11,789	14,218	5										



**Table 2. U.S. Trade in Goods**  
(Millions of dollars)

Line	2002	Not seasonally adjusted						Seasonally adjusted						
		2002				2003		2002				2003		
		I	II	III	IV	I <sup>P</sup>	II <sup>P</sup>	I	II	III	IV	I <sup>P</sup>	II <sup>P</sup>	
<b>A Balance of payments adjustments to Census trade data:</b>														
<b>EXPORTS</b>														
1	Exports of goods, Census basis <sup>1</sup> including reexports and including military grant shipments.....	693,103	166,457	177,951	171,800	176,895	173,757	180,475	167,971	174,370	177,100	173,662	175,922	176,832
Adjustments:														
2	Private gift parcel remittances.....	380	87	102	95	96	96	116	87	102	95	96	96	116
3	Gold exports, nonmonetary.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Inland U.S. freight to Canada.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	U.S.-Canadian reconciliation adjustments, n.e.c., net <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Exports transferred under U.S. military agency sales contracts identified in Census documents <sup>3</sup> .....	-7,974	-2,039	-1,867	-2,031	-2,037	-1,875	-2,035	-2,039	-1,867	-2,031	-2,037	-1,875	-2,035
7	Other adjustments, net <sup>4</sup> .....	-3,635	-720	-1,184	-850	-881	-798	-878	-720	-1,184	-850	-881	-798	-878
8	<b>Equals: Exports of goods, adjusted to balance of payments basis, excluding 'military' (table 1, line 3).....</b>	<b>681,874</b>	<b>163,785</b>	<b>175,002</b>	<b>169,014</b>	<b>174,073</b>	<b>171,180</b>	<b>177,678</b>	<b>165,298</b>	<b>171,421</b>	<b>174,315</b>	<b>170,840</b>	<b>173,346</b>	<b>174,034</b>
<b>IMPORTS</b>														
9	Imports of goods, Census basis <sup>1</sup> (general imports).....	1,161,366	259,999	290,955	302,178	308,234	297,523	309,951	270,598	291,792	296,732	302,244	308,714	310,939
Adjustments:														
10	Electric energy.....	10	1	3	3	3	2	2	1	3	3	3	2	2
11	Gold imports, nonmonetary.....	400	6	150	151	93	.....	340	6	150	151	93	.....	340
12	Inland freight in Canada.....	3,782	892	988	955	947	945	979	892	988	955	947	945	979
13	U.S.-Canadian reconciliation adjustment, n.e.c., net <sup>2</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Imports of U.S. military agencies identified in Census documents <sup>3</sup> .....	-671	-141	-168	-179	-183	-247	-200	-141	-168	-179	-183	-247	-200
15	Other adjustments, net <sup>5</sup> .....	-142	-25	-58	-36	-23	-49	-48	-25	-58	-36	-23	-49	-48
16	<b>Equals: Imports of goods, adjusted to balance of payments basis, excluding 'military' (table 1, line 20).....</b>	<b>1,164,746</b>	<b>260,732</b>	<b>291,870</b>	<b>303,073</b>	<b>309,071</b>	<b>298,174</b>	<b>311,024</b>	<b>271,331</b>	<b>292,707</b>	<b>297,627</b>	<b>303,081</b>	<b>309,364</b>	<b>312,013</b>
<b>B Trade in goods, by area and country, adjusted to balance of payments basis, excluding military:<sup>7</sup></b>														
<b>EXPORTS</b>														
1	<b>Total, all countries (A-8).....</b>	<b>681,874</b>	<b>163,785</b>	<b>175,002</b>	<b>169,014</b>	<b>174,073</b>	<b>171,180</b>	<b>177,678</b>	<b>165,298</b>	<b>171,421</b>	<b>174,315</b>	<b>170,840</b>	<b>173,346</b>	<b>174,034</b>
2	Western Europe.....	153,377	39,388	38,649	35,907	39,433	40,240	40,923	39,796	37,767	36,977	38,837	40,804	39,940
3	European Union.....	140,366	36,132	35,137	32,946	36,151	36,934	37,179	36,551	34,311	33,904	35,600	37,470	36,265
4	Belgium and Luxembourg.....	13,623	3,147	3,348	3,601	3,527	3,833	3,955	3,186	3,268	3,696	3,473	3,901	3,859
5	France.....	18,869	5,190	4,646	4,010	5,023	4,366	4,426	5,268	4,531	4,125	4,945	4,425	4,312
6	Germany <sup>8</sup> .....	26,024	6,607	6,290	6,270	6,857	7,245	7,095	6,676	6,139	6,453	6,756	7,334	6,915
7	Italy.....	9,810	2,350	2,462	2,282	2,716	2,469	2,656	2,372	2,406	2,357	2,675	2,518	2,589
8	Netherlands.....	18,108	4,606	4,797	4,295	4,410	4,887	5,044	4,645	4,696	4,421	4,346	4,946	4,928
9	United Kingdom.....	32,091	8,238	8,318	7,758	7,777	8,457	8,423	8,354	8,110	7,969	7,658	8,584	8,210
10	Other.....	21,841	5,994	5,276	4,730	5,841	5,677	5,580	6,050	5,161	4,883	5,747	5,762	5,452
11	Western Europe, excluding EU.....	13,011	3,256	3,512	2,961	3,282	3,306	3,744	3,245	3,456	3,073	3,237	3,334	3,675
12	Canada <sup>2</sup> .....	160,895	38,330	42,888	38,834	40,843	41,177	44,810	38,764	41,996	39,963	40,172	41,753	43,849
13	Japan.....	49,664	12,199	12,323	12,965	12,177	12,179	12,888	12,229	12,154	13,442	11,839	12,263	12,736
14	Australia, New Zealand, and South Africa <sup>9</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Australia.....	12,760	2,833	3,228	3,368	3,331	2,766	3,154	2,859	3,134	3,479	3,288	2,817	3,073
16	Eastern Europe.....	6,367	1,525	1,642	1,573	1,627	1,511	1,603	1,540	1,613	1,629	1,585	1,518	1,577
17	Latin America and Other Western Hemisphere.....	147,944	34,638	37,421	37,544	38,341	35,022	36,071	35,034	36,646	38,699	37,565	35,540	35,369
18	Brazil.....	12,266	3,074	3,028	3,139	3,025	2,527	2,651	3,116	2,951	3,223	2,976	2,567	2,588
19	Mexico.....	97,282	22,520	24,832	24,777	25,153	22,638	23,819	22,808	24,311	25,524	24,639	22,997	23,351
20	Venezuela.....	3,966	1,101	927	1,019	919	481	555	1,120	900	1,053	893	486	546
21	Other.....	34,430	7,943	8,634	8,609	9,244	9,376	9,046	7,990	8,484	8,899	9,057	9,490	8,884
22	Other countries in Asia and Africa <sup>7,9</sup> .....	150,867	34,872	38,851	38,823	38,321	38,285	38,229	35,076	38,111	40,126	37,554	38,651	37,490
23	Asia <sup>7,9</sup> .....	140,823	32,257	36,290	36,424	35,852	36,090	35,800	32,456	35,577	37,632	35,158	36,446	35,087
24	Members of OPEC.....	11,800	2,337	3,012	3,378	3,073	3,039	3,026	2,343	2,959	3,495	3,003	3,053	2,974
25	China.....	22,038	4,702	5,499	5,689	6,148	6,456	6,199	4,751	5,386	5,876	6,025	6,469	6,081
26	Hong Kong.....	12,539	2,930	3,221	3,250	3,138	3,045	3,195	2,947	3,156	3,353	3,083	3,077	3,132
27	Korea, Republic of.....	21,755	4,929	5,691	5,603	5,532	5,907	5,735	4,955	5,591	5,794	5,415	5,973	5,641
28	Singapore.....	15,973	4,102	4,027	4,002	3,842	3,985	3,739	4,137	3,932	4,117	3,787	4,042	3,641
29	Taiwan.....	17,886	3,812	4,693	5,128	4,253	3,752	3,764	3,820	4,596	5,319	4,151	3,799	3,694
30	Africa <sup>7,9</sup> .....	9,772	2,549	2,483	2,339	2,401	2,134	2,361	2,554	2,458	2,430	2,330	2,144	2,336
31	Members of OPEC.....	2,041	466	649	426	500	301	374	467	643	447	484	300	373
32	International organizations and unallocated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Memoranda:</b>														
33	Industrial countries <sup>7</sup> .....	381,001	93,723	98,148	92,269	96,861	97,320	102,829	94,627	96,086	95,091	95,197	98,607	100,627
34	Of which: Euro area <sup>10</sup> .....	103,750	26,649	25,705	24,087	27,309	27,287	27,640	26,941	25,113	24,802	26,894	27,686	26,964
35	Members of OPEC <sup>7</sup> .....	17,807	3,904	4,588	4,823	4,492	3,821	3,955	3,930	4,502	4,995	4,380	3,839	3,893
36	Other countries <sup>7</sup> .....	283,066	66,158	72,266	71,922	72,720	70,039	70,894	66,741	70,833	74,229	71,263	70,900	69,514

See footnotes on pages 56 and 57.

**Table 2. U.S. Trade in Goods—Continued**  
 (Millions of dollars)

Line		Not seasonally adjusted						Seasonally adjusted						
		2002	2002				2003		2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
<b>IMPORTS</b>														
37	<b>Total, all countries (A-16)</b> .....	<b>1,164,746</b>	<b>260,732</b>	<b>291,870</b>	<b>303,073</b>	<b>309,071</b>	<b>298,174</b>	<b>311,024</b>	<b>271,331</b>	<b>292,707</b>	<b>297,627</b>	<b>303,081</b>	<b>309,364</b>	<b>312,013</b>
38	Western Europe.....	245,909	55,525	61,747	62,043	66,594	62,223	66,886	57,816	61,914	60,861	65,318	64,603	67,096
39	European Union.....	225,395	51,453	56,059	56,730	61,153	57,391	61,271	53,593	56,203	55,628	59,971	59,600	61,460
40	Belgium and Luxembourg.....	10,099	2,408	2,656	2,390	2,645	2,485	2,539	2,505	2,664	2,344	2,586	2,577	2,550
41	France.....	28,273	6,933	6,935	7,068	7,337	6,918	7,075	7,219	6,947	6,923	7,184	7,203	7,095
42	Germany <sup>8</sup> .....	62,477	14,063	14,701	15,803	17,890	15,965	17,543	14,681	14,741	15,497	17,558	16,576	17,597
43	Italy.....	24,198	5,377	6,027	6,307	6,487	6,100	6,277	5,604	6,046	6,179	6,369	6,334	6,297
44	Netherlands.....	9,798	2,148	2,564	2,415	2,671	2,687	3,048	2,239	2,569	2,369	2,621	2,784	3,056
45	United Kingdom.....	40,467	9,095	10,546	10,328	10,498	10,114	10,458	9,462	10,570	10,137	10,298	10,489	10,492
46	Other.....	50,083	11,409	12,630	12,419	13,625	13,122	14,331	11,883	12,666	12,179	13,355	13,637	14,373
47	Western Europe, excluding EU.....	20,514	4,072	5,688	5,313	5,441	4,832	5,615	4,223	5,711	5,233	5,347	5,003	5,636
48	Canada <sup>2</sup> .....	211,761	50,619	55,093	52,403	53,646	56,339	56,779	52,643	55,199	51,456	52,663	58,431	57,067
49	Japan.....	121,428	28,566	29,956	30,387	32,519	28,953	29,246	29,754	30,009	29,774	31,891	30,140	29,325
50	Australia, New Zealand, and South Africa <sup>9</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
51	Australia.....	6,446	1,385	1,668	1,753	1,640	1,415	1,594	1,440	1,673	1,720	1,613	1,471	1,601
52	Eastern Europe.....	14,884	2,559	3,820	3,927	4,578	4,485	4,442	2,672	3,837	3,864	4,511	4,634	4,457
53	Latin America and Other Western Hemisphere.....	205,014	45,964	51,700	53,840	53,510	51,404	54,199	47,743	51,860	52,964	52,447	53,241	54,380
54	Brazil.....	15,781	3,222	3,894	4,331	4,334	4,247	4,332	3,363	3,914	4,258	4,246	4,402	4,345
55	Mexico.....	135,502	31,284	34,960	34,763	34,495	33,804	34,271	32,580	35,065	34,155	33,722	35,072	34,385
56	Venezuela.....	15,093	2,704	3,510	4,801	4,078	2,561	4,805	2,746	3,523	4,772	4,052	2,591	4,821
57	Other.....	38,638	8,754	9,336	9,945	10,603	10,792	10,791	9,074	9,358	9,779	10,427	11,176	10,829
58	Other countries in Asia and Africa <sup>7,9</sup> .....	359,304	76,114	87,866	98,720	96,584	93,355	97,778	79,263	88,215	96,988	94,838	96,844	98,087
59	Asia <sup>7,9</sup> .....	336,842	71,665	81,667	92,910	90,600	85,677	90,098	74,711	81,969	91,241	88,921	89,026	90,382
60	Members of OPEC.....	29,847	6,703	7,385	7,804	7,955	9,990	9,034	6,867	7,408	7,711	7,861	10,198	9,069
61	China.....	125,189	23,694	29,671	36,176	35,648	31,151	35,505	24,816	29,820	35,537	35,016	32,461	35,619
62	Hong Kong.....	9,330	2,027	2,200	2,663	2,440	1,941	1,941	2,121	2,210	2,614	2,385	2,034	1,947
63	Korea, Republic of.....	35,570	8,234	8,843	8,882	9,611	8,410	8,888	8,573	8,858	8,711	9,428	8,754	8,911
64	Singapore.....	14,789	3,427	3,520	3,850	3,992	3,739	3,995	3,572	3,528	3,775	3,914	3,894	4,007
65	Taiwan.....	32,152	7,249	8,251	8,555	8,097	7,417	7,772	7,555	8,270	8,384	7,943	7,721	7,797
66	Africa <sup>7,9</sup> .....	22,101	4,378	6,151	5,696	5,876	7,607	7,601	4,478	6,178	5,634	5,811	7,746	7,625
67	Members of OPEC.....	8,306	1,522	2,357	2,128	2,299	3,594	3,767	1,540	2,366	2,114	2,286	3,620	3,779
68	International organizations and unallocated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Memoranda:</b>														
69	Industrial countries <sup>7</sup> .....	591,862	137,422	150,156	148,257	156,027	150,465	156,378	143,035	150,492	145,451	152,884	156,239	156,868
70	Of which: Euro area <sup>10</sup> .....	172,482	39,480	42,230	43,579	47,193	44,065	46,859	41,139	42,344	42,722	46,277	45,783	47,000
71	Members of OPEC <sup>7</sup> .....	53,246	10,929	13,252	14,733	14,332	16,145	17,606	11,153	13,297	14,597	14,199	16,409	17,669
72	Other countries <sup>7</sup> .....	519,638	112,361	128,462	140,083	138,712	131,564	137,040	117,143	128,918	137,579	135,998	136,716	137,476
<b>BALANCE (EXCESS OF EXPORTS +)</b>														
73	<b>Total, all countries</b> .....	<b>-482,872</b>	<b>-96,947</b>	<b>-116,868</b>	<b>-134,059</b>	<b>-134,998</b>	<b>-126,994</b>	<b>-133,346</b>	<b>-106,033</b>	<b>-121,286</b>	<b>-123,312</b>	<b>-132,241</b>	<b>-136,018</b>	<b>-137,979</b>
74	Western Europe.....	-92,532	-16,137	-23,098	-26,136	-27,161	-21,983	-25,963	-18,020	-24,147	-23,884	-26,481	-23,799	-27,156
75	European Union.....	-85,029	-15,321	-20,922	-23,784	-25,002	-20,457	-24,092	-17,042	-21,892	-21,724	-24,371	-22,130	-25,195
76	Belgium and Luxembourg.....	3,524	739	692	1,211	882	1,348	1,416	681	604	1,352	887	1,324	1,309
77	France.....	-9,404	-1,743	-2,289	-3,058	-2,314	-2,552	-2,649	-1,951	-2,416	-2,798	-2,239	-2,778	-2,783
78	Germany <sup>8</sup> .....	-36,453	-7,476	-8,411	-9,533	-11,033	-8,720	-10,448	-8,005	-8,602	-9,044	-10,802	-9,242	-10,682
79	Italy.....	-14,388	-3,027	-3,565	-4,025	-3,771	-3,631	-3,621	-3,232	-3,640	-3,822	-3,694	-3,816	-3,708
80	Netherlands.....	8,310	2,458	2,233	1,880	1,739	2,200	1,996	2,406	2,127	2,052	1,725	2,162	1,872
81	United Kingdom.....	-8,376	-857	-2,228	-2,570	-2,721	-1,657	-2,035	-1,108	-2,460	-2,168	-2,640	-1,905	-2,282
82	Other.....	-28,242	-5,415	-7,354	-7,689	-7,784	-7,445	-8,751	-5,833	-7,505	-7,296	-7,608	-7,875	-8,921
83	Western Europe, excluding EU.....	-7,503	-816	-2,176	-2,352	-2,159	-1,526	-1,871	-978	-2,255	-2,160	-2,110	-1,669	-1,961
84	Canada <sup>2</sup> .....	-50,866	-12,289	-12,205	-13,569	-12,803	-15,162	-12,069	-13,879	-13,203	-11,493	-12,291	-16,678	-13,218
85	Japan.....	-71,764	-16,367	-17,633	-17,422	-20,342	-16,774	-16,358	-17,525	-17,855	-16,332	-20,052	-17,877	-16,589
86	Australia, New Zealand, and South Africa <sup>9</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
87	Australia.....	6,314	1,448	1,560	1,615	1,691	1,351	1,560	1,419	1,461	1,759	1,675	1,346	1,472
88	Eastern Europe.....	-8,517	-1,034	-2,178	-2,354	-2,951	-2,974	-2,839	-1,132	-2,224	-2,235	-2,926	-3,116	-2,880
89	Latin America and Other Western Hemisphere.....	-57,070	-11,326	-14,279	-16,296	-15,169	-16,382	-18,128	-12,709	-15,214	-14,265	-14,882	-17,701	-19,011
90	Brazil.....	-3,515	-148	-866	-1,192	-1,309	-1,720	-1,681	-247	-963	-1,035	-1,270	-1,835	-1,757
91	Mexico.....	-38,220	-8,764	-10,128	-9,986	-9,342	-11,166	-10,452	-9,752	-10,754	-8,631	-9,083	-12,075	-11,034
92	Venezuela.....	-11,127	-1,603	-2,583	-3,782	-3,159	-2,080	-4,250	-1,626	-2,623	-3,719	-3,159	-2,105	-4,275
93	Other.....	-4,208	-811	-702	-1,336	-1,359	-1,416	-1,745	-1,084	-874	-880	-1,370	-1,686	-1,945
94	Other countries in Asia and Africa <sup>7,9</sup> .....	-208,437	-41,242	-49,035	-59,897	-58,263	-55,070	-59,549	-44,187	-50,104	-56,862	-57,284	-58,193	-60,597
95	Asia <sup>7,9</sup> .....	-196,019	-39,408	-45,377	-56,486	-54,748	-49,587	-54,298	-42,255	-46,392	-53,609	-53,763	-52,580	-55,295
96	Members of OPEC.....	-18,047	-4,366	-4,373	-4,426	-4,882	-6,951	-6,008	-4,524	-4,449	-4,216	-4,858	-7,145	-6,095
97	China.....	-103,151	-18,992	-24,172	-30,487	-29,500	-24,695	-29,306	-20,065	-24,434	-29,661	-28,991	-25,992	-29,538
98	Hong Kong.....	3,209	903	1,021	587	698	1,096	1,254	826	946	739	698	1,043	1,185
99	Korea, Republic of.....	-13,815	-3,305	-3,152	-3,279	-4,079	-2,503	-3,153	-3,618	-3,267	-2,917	-4,013	-2,781	-3,270
100	Singapore.....	1,184	675	507	152	-150	246	-256	565	404	342	-127	148	-366
101	Taiwan.....	-14,266	-3,437	-3,558	-3,427	-3,844	-3,665	-4,008	-3,735	-3,674	-3,065	-3,792	-3,922	-4,103
102	Africa <sup>7,9</sup> .....	-12,329	-1,829	-3,668	-3,357	-3,475	-5,473	-5,240	-1,924	-3,720	-3,204	-3,481	-5,602	-5,289
103	Members of OPEC.....	-6,265	-1,056	-1,708	-1,702	-1,799	-3,293	-3,393	-1,073	-1,723	-1,667	-1,802	-3,320	-3,406
104	International organizations and unallocated.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Memoranda:</b>														
105	Industrial countries <sup>7</sup> .....													

**Table 2. U.S. Trade in Goods—Continued**  
[Millions of dollars]

Line	2002	Not seasonally adjusted						Seasonally adjusted						
		2002				2003		2002				2003		
		I	II	III	IV	I'	II'	I	II	III	IV	I'	II'	
1	<b>Exports of goods, balance of payments basis, excluding military (A-B)</b>	<b>681,874</b>	<b>163,785</b>	<b>175,002</b>	<b>169,014</b>	<b>174,073</b>	<b>171,180</b>	<b>177,678</b>	<b>165,298</b>	<b>171,421</b>	<b>174,315</b>	<b>170,840</b>	<b>173,346</b>	<b>174,034</b>
2	Agricultural products	54,513	14,146	12,641	12,441	15,285	14,905	13,500	13,723	13,506	13,557	13,727	14,228	14,371
3	Nonagricultural products	627,361	149,639	162,361	156,573	158,788	156,275	164,178	151,575	157,915	160,758	157,113	159,118	159,663
4	Foods, feeds, and beverages	49,615	12,496	11,265	11,931	13,923	13,403	11,974	12,371	12,208	12,485	12,551	13,046	12,955
5	Agricultural	45,029	11,418	10,303	10,456	12,852	12,245	10,875	11,243	11,094	11,248	11,444	11,849	11,695
6	Grains and preparations	14,362	3,595	3,276	3,611	3,880	3,508	3,252	3,501	3,519	3,663	3,679	3,390	3,488
7	Wheat	3,772	836	768	1,019	1,149	828	725	923	847	952	1,050	894	808
8	Corn	5,785	1,398	1,411	1,491	1,485	1,302	1,392	1,341	1,498	1,504	1,442	1,243	1,472
9	Soybeans	5,806	1,816	757	787	2,446	2,482	899	1,439	1,328	1,429	1,610	1,861	1,500
10	Meat products and poultry	7,002	1,754	1,736	1,754	1,758	1,733	1,940	1,831	1,772	1,768	1,631	1,838	1,984
11	Vegetables, fruits, nuts, and preparations	8,596	2,080	2,205	2,006	2,305	2,110	2,297	2,183	2,170	2,122	2,121	2,220	2,267
12	Other agricultural foods, feeds, and beverages	9,263	2,173	2,329	2,298	2,463	2,412	2,487	2,289	2,305	2,266	2,403	2,540	2,456
13	Nonagricultural (fish, distilled beverages, etc)	4,586	1,078	962	1,475	1,071	1,158	1,099	1,128	1,114	1,237	1,107	1,197	1,260
14	Fish and shellfish	3,197	799	620	1,080	698	819	659	825	761	853	758	833	809
15	Industrial supplies and materials	156,896	36,775	40,361	39,568	40,192	42,227	43,857	37,028	39,558	39,888	40,422	42,530	42,984
16	Agricultural	9,214	2,645	2,264	1,937	2,366	2,579	2,547	2,410	2,343	2,242	2,219	2,308	2,606
17	Raw cotton	2,067	640	544	384	499	811	935	499	524	509	535	627	898
18	Tobacco, unmanufactured	1,060	370	267	142	281	321	243	314	254	237	255	267	239
19	Hides and skins, including furskins	1,751	431	444	458	418	451	467	422	430	450	449	440	452
20	Other agricultural industrial supplies	4,336	1,204	1,009	953	1,170	996	902	1,175	1,135	1,046	980	974	1,017
21	Nonagricultural	147,682	34,130	38,097	37,631	37,824	39,648	41,310	34,618	37,215	37,646	38,203	40,222	40,378
22	Energy products	15,128	3,275	3,556	3,961	4,336	4,966	4,538	3,284	3,542	3,948	4,354	4,956	4,533
23	Fuels and lubricants	14,766	3,197	3,483	3,881	4,205	4,767	4,361	3,206	3,469	3,868	4,223	4,758	4,356
24	Coal and related fuels	1,923	466	522	470	465	409	467	480	519	467	457	419	463
25	Petroleum and products	10,338	2,228	2,380	2,678	3,052	3,529	3,095	2,223	2,369	2,669	3,077	3,509	3,094
26	Paper and paper base stocks	12,211	2,893	3,077	3,115	3,126	3,141	3,213	2,924	3,052	3,125	3,110	3,178	3,187
27	Textile supplies and related materials	11,142	2,521	3,020	2,850	2,761	2,990	2,568	2,857	2,874	2,843	2,824	2,824	2,820
28	Chemicals, excluding medicinals	49,828	11,605	12,989	12,526	12,708	13,468	13,863	11,712	12,653	12,646	12,817	13,608	13,497
29	Building materials, except metals	7,610	1,824	1,975	1,925	1,886	1,881	1,985	1,861	1,900	1,942	1,907	1,916	1,911
30	Other nonmetals	19,547	4,653	5,087	4,891	4,916	4,986	5,131	4,704	4,925	4,924	4,994	5,057	4,960
31	Metals and nonmetallic products	32,216	7,359	8,393	8,363	8,101	8,445	9,590	7,565	8,286	8,187	8,178	8,683	9,470
32	Steelmaking materials	1,863	409	504	491	459	537	651	440	476	494	453	581	617
33	Iron and steel products	5,987	1,433	1,530	1,510	1,514	1,694	2,036	1,442	1,509	1,513	1,523	1,706	2,011
34	Nonferrous metals	12,127	2,625	3,190	3,221	3,091	3,096	3,616	2,710	3,244	3,057	3,116	3,192	3,670
35	Nonmonetary gold	3,357	640	864	892	961	940	1,400	640	864	892	961	940	1,400
36	Other precious metals	2,561	582	783	572	624	551	527	582	783	572	624	551	527
37	Other nonferrous metals	6,209	1,403	1,543	1,757	1,506	1,605	1,689	1,488	1,597	1,593	1,531	1,701	1,743
38	Other metals and nonmetallic products	12,239	2,892	3,169	3,141	3,037	3,118	3,287	2,973	3,057	3,123	3,086	3,204	3,172
39	Capital goods, except automotive	290,495	70,690	74,390	72,662	72,753	69,467	71,566	71,366	73,102	74,685	71,342	70,760	70,470
40	Machinery, except consumer-type	237,586	57,892	60,441	59,538	59,715	57,693	59,266	58,598	60,087	60,239	58,662	58,892	58,876
41	Electric generating machinery, electric apparatus, and parts	27,544	6,599	7,070	7,046	6,829	6,493	6,652	6,737	6,965	7,013	6,829	6,831	6,546
42	Nonelectric, including parts and attachments	210,042	51,293	53,371	52,492	52,886	51,200	52,614	51,861	53,122	53,226	51,833	52,061	52,330
43	Oil drilling, mining, and construction machinery	12,893	3,236	3,186	3,124	3,347	3,125	3,295	3,296	3,111	3,134	3,352	3,173	3,223
44	Industrial engines, pumps, and compressors	11,601	2,861	2,882	2,885	2,973	2,682	2,753	2,938	2,850	2,939	2,874	2,770	2,715
45	Machine tools and metalworking machinery	5,174	1,151	1,420	1,282	1,321	1,208	1,276	1,183	1,405	1,307	1,279	1,248	1,259
46	Measuring, testing, and control instruments	13,218	3,171	3,470	3,281	3,296	3,364	3,411	3,191	3,396	3,356	3,275	3,416	3,329
47	Other industrial, agricultural, and service industry machinery	42,831	9,929	11,444	11,016	10,442	10,426	11,019	10,155	11,022	11,068	10,586	10,717	10,590
48	Computers, peripherals, and parts	38,553	9,691	9,409	9,148	10,305	9,545	9,096	9,696	9,628	9,522	9,707	9,589	9,308
49	Semiconductors	42,235	10,175	10,667	11,173	10,200	10,578	11,180	10,170	10,838	11,122	10,105	10,705	11,315
50	Telecommunications equipment	22,208	5,764	5,549	5,407	5,488	4,778	5,023	5,925	5,550	5,425	5,308	4,967	5,018
51	Other office and business machines	2,023	538	507	473	505	480	481	546	510	483	484	489	484
52	Scientific, hospital, and medical equipment and parts	19,306	4,777	4,817	4,703	5,009	5,014	5,080	4,761	4,812	4,870	4,863	4,987	5,089
53	Civilian aircraft, engines, and parts	50,484	12,264	13,402	12,488	12,330	11,110	11,630	12,234	12,468	13,810	11,972	11,404	10,924
54	Civilian aircraft, complete, all types	26,677	6,395	7,577	6,549	6,156	5,329	5,922	6,298	6,665	7,824	5,890	5,508	5,238
55	Other transportation equipment	2,425	534	547	636	708	664	670	534	547	636	708	664	670
56	Automotive vehicles, engines, and parts	78,943	18,713	21,962	18,431	19,837	19,574	21,987	18,906	20,061	20,344	19,632	19,955	19,941
57	To Canada	44,552	10,658	12,613	10,046	11,235	11,523	12,957	10,660	11,057	11,590	11,245	11,671	11,300
58	Passenger cars, new and used	10,179	2,333	3,165	1,946	2,735	2,649	3,473	2,390	2,509	2,581	2,699	2,760	2,733
59	Trucks, buses, and special purpose vehicles	6,418	1,423	1,610	1,449	1,936	1,861	2,141	1,447	1,447	1,683	1,841	1,906	1,933
60	Engines and engine parts	5,255	1,310	1,464	1,270	1,211	1,388	1,474	1,268	1,336	1,406	1,245	1,358	1,344
61	Other parts and accessories	22,700	5,592	6,374	5,381	5,353	5,625	5,869	5,555	5,765	5,920	5,460	5,647	5,290
62	To other areas	34,391	8,055	9,349	8,385	8,602	8,051	9,030	8,246	9,004	8,754	8,387	8,284	8,641
63	Passenger cars, new and used	10,374	2,251	2,809	2,474	2,840	2,477	3,118	2,352	2,629	2,723	2,670	2,606	2,905
64	Trucks, buses, and special purpose vehicles	1,945	385	517	469	574	438	635	409	505	513	518	467	620
65	Engines and engine parts	4,858	1,208	1,325	1,206	1,119	1,215	1,223	1,224	1,290	1,222	1,122	1,232	1,183
66	Other parts and accessories	17,214	4,211	4,698	4,236	4,069	3,921	4,054	4,261	4,580	4,296	4,077	3,979	3,933
67	Consumer goods (nonfood), except automotive	84,359	20,284	21,475	20,903	21,697	21,259	22,469	20,607	21,110	21,335	21,307	21,619	22,007
68	Consumer nondurable goods, manufactured	40,171	9,437	10,150	10,176	10,408	10,483	10,950	9,726	10,033	10,130	10,282	10,824	10,813
69	Medical, dental, and pharmaceutical preparations, including vitamins	17,348	3,890	4,348	4,356	4,754	4,901	5,210	4,029	4,303	4,423	4,593	5,095	5,147
70	Consumer durable goods, manufactured	39,084	9,677	10,014	9,413	9,980	9,399	10,162	9,732	9,808	9,844	9,700	9,419	9,889
71	Household and kitchen appliances and other household goods	16,860	4,23											

**Table 2. U.S. Trade in Goods—Continued**  
(Millions of dollars)

Line	2002	Not seasonally adjusted						Seasonally adjusted					
		2002				2003		2002				2003	
		I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
<b>C</b>	<b>Trade in goods, by principal end-use category, adjusted to balance of payments basis, excluding military—Continued:</b>												
<b>74</b>	<b>Imports of goods, balance of payments basis, excluding military (A-16)</b>												
	1,164,746	260,732	291,870	303,073	309,071	298,174	311,024	271,331	292,707	297,627	303,081	309,364	312,013
75	103,491	18,909	26,954	28,071	29,557	33,577	32,468	19,140	27,052	27,913	29,386	33,983	32,584
76	1,061,255	241,823	264,916	275,002	279,514	264,597	278,556	252,191	265,655	269,714	273,695	275,381	279,429
77	49,687	11,394	12,372	12,460	13,461	13,108	13,861	11,853	12,259	12,582	12,993	13,581	13,752
78	36,041	8,574	9,114	8,796	9,557	9,928	10,279	8,516	8,838	9,196	9,491	9,844	9,991
79	2,436	531	584	648	673	806	712	479	576	668	713	730	707
80	1,369	281	362	365	361	406	419	243	354	382	390	362	415
81	6,017	1,483	1,532	1,438	1,564	1,527	1,381	1,494	1,478	1,479	1,566	1,538	1,333
82	10,072	2,881	2,623	2,057	2,511	3,254	2,877	2,425	2,462	2,566	2,619	2,732	2,719
83	5,352	1,099	1,431	1,379	1,443	1,259	1,599	1,281	1,333	1,343	1,395	1,465	1,484
84	12,161	2,580	2,943	3,273	3,365	3,082	3,711	2,836	2,989	3,141	3,195	3,379	3,748
85	13,646	2,820	3,258	3,664	3,904	3,180	3,582	3,337	3,421	3,386	3,502	3,737	3,761
86	10,027	2,063	2,357	2,742	2,865	2,322	2,573	2,459	2,497	2,482	2,589	2,745	2,729
87	3,288	674	816	843	955	757	911	795	840	824	829	890	935
88	268,074	56,440	69,161	70,400	72,073	78,521	78,889	57,476	68,010	69,876	72,712	79,418	77,919
89	5,233	1,255	1,368	1,311	1,299	1,420	1,537	1,253	1,321	1,341	1,318	1,415	1,483
90	262,841	55,185	67,793	69,089	70,774	77,101	77,352	56,223	66,689	68,535	71,394	78,003	76,436
91	118,809	22,081	30,581	31,830	34,317	41,102	38,872	22,151	30,796	31,886	33,976	41,088	39,244
92	117,656	21,818	30,302	31,448	34,088	40,768	38,495	21,824	30,509	31,608	33,715	40,675	38,840
93	11,462	2,688	2,844	2,975	2,955	2,917	3,046	2,725	2,821	2,939	2,937	2,963	3,070
94	10,868	2,461	2,885	2,897	2,625	2,626	2,775	2,571	2,786	2,837	2,732	2,739	2,624
95	33,075	7,807	8,632	8,205	8,431	9,080	9,550	7,530	8,365	8,426	8,754	8,736	9,257
96	22,488	5,218	6,203	5,778	5,289	5,141	6,003	5,706	5,673	5,411	5,698	5,598	5,535
97	18,432	4,058	4,708	4,934	4,732	4,575	5,003	4,286	4,622	4,785	4,739	4,822	4,906
98	47,707	10,872	11,940	12,470	12,425	11,660	12,103	11,254	11,644	12,251	12,558	12,057	11,800
99	2,452	440	632	660	720	605	653	499	587	634	732	692	603
100	17,730	4,201	4,038	4,714	4,777	4,224	4,080	4,435	3,938	4,571	4,786	4,423	3,992
101	18,841	4,260	5,037	4,823	4,721	4,613	4,894	4,292	4,938	4,806	4,805	4,664	4,785
102	2,856	505	863	752	736	595	1,021	505	863	752	736	595	1,021
103	3,715	743	1,074	804	1,094	828	891	750	1,082	813	1,070	846	889
104	6,597	1,558	1,694	1,780	1,565	1,867	1,743	1,564	1,593	1,767	1,673	1,881	1,642
105	5,673	1,454	1,406	1,487	1,326	1,323	1,239	1,473	1,400	1,474	1,326	1,342	1,233
106	8,684	1,971	2,233	2,273	2,207	2,218	2,476	2,028	2,181	2,240	2,235	2,278	2,420
107	283,322	66,852	71,359	71,795	73,316	68,779	72,770	69,000	71,520	71,373	71,429	70,914	72,934
108	256,132	59,405	64,631	65,752	66,344	62,450	66,099	61,470	64,853	65,354	64,455	64,539	66,317
109	32,878	7,747	8,470	8,392	8,269	7,938	8,063	8,054	8,464	8,250	8,110	8,225	8,059
110	223,254	51,658	56,161	57,360	58,075	54,512	58,036	53,416	56,389	57,104	56,345	56,314	58,258
111	6,573	1,570	1,816	1,685	1,502	1,688	2,052	1,547	1,659	1,734	1,633	1,652	1,884
112	9,034	2,284	2,314	2,255	2,181	2,275	2,302	2,265	2,289	2,279	2,201	2,247	2,281
113	5,944	1,342	1,460	1,610	1,532	1,448	1,655	1,378	1,424	1,624	1,518	1,461	1,615
114	8,927	2,029	2,231	2,348	2,319	2,284	2,348	2,093	2,258	2,299	2,277	2,350	2,375
115	47,978	10,973	12,332	12,259	12,414	12,323	12,959	11,129	11,924	12,467	12,458	12,497	12,532
116	75,150	17,591	18,512	19,317	19,730	17,295	18,301	18,534	18,992	19,010	18,614	18,291	18,790
117	26,015	6,296	6,727	6,615	6,377	6,057	6,035	6,338	6,857	6,630	6,190	6,122	6,151
118	23,135	4,957	5,874	6,097	6,207	5,495	6,061	5,295	5,944	5,949	5,947	5,795	6,132
119	4,468	974	1,049	1,068	1,377	1,518	1,841	1,007	1,062	1,049	1,350	1,562	1,861
120	16,030	3,642	3,846	4,106	4,376	4,129	4,482	3,890	3,980	4,063	4,157	4,329	4,637
121	27,190	7,447	6,728	6,043	6,972	6,329	6,671	7,530	6,667	6,019	6,974	6,375	6,617
122	25,458	7,052	6,221	5,599	6,586	5,830	6,012	7,136	6,159	5,575	6,588	5,877	5,958
123	12,300	3,619	2,830	2,458	3,393	2,829	2,963	3,619	2,830	2,458	3,393	2,829	2,963
124	203,744	47,844	52,072	49,484	54,344	50,626	53,984	48,113	51,040	52,244	52,347	51,142	52,897
125	59,747	14,802	16,153	14,196	14,596	14,765	15,863	14,601	15,220	15,583	14,343	14,790	14,892
126	30,987	7,672	8,537	7,321	7,467	7,347	8,315	7,534	8,004	8,330	7,129	7,406	7,772
127	11,090	2,820	2,857	2,533	2,880	2,705	2,822	2,783	2,760	2,661	2,886	2,651	2,706
128	3,590	909	971	847	863	991	899	886	930	875	995	833	833
129	14,070	3,401	3,788	3,495	3,386	3,722	3,810	3,385	3,570	3,662	3,453	3,738	3,581
130	143,997	33,042	35,919	35,288	39,748	35,861	38,121	33,512	35,820	36,661	38,004	36,352	38,005
131	82,998	19,032	20,092	19,664	24,210	20,097	21,550	19,270	20,419	20,915	22,394	20,324	21,892
132	8,306	1,935	2,114	2,147	2,110	1,756	2,188	2,033	2,088	2,076	2,109	1,851	2,165
133	11,357	2,580	2,966	2,920	2,891	3,042	3,056	2,599	2,884	2,968	2,906	3,088	2,968
134	41,336	9,485	10,747	10,557	10,537	10,966	11,327	9,610	10,429	10,702	10,595	11,109	10,980
135	307,986	65,711	73,557	86,071	82,647	75,044	78,808	71,983	76,675	78,626	80,702	81,862	81,924
136	146,241	32,302	34,257	41,768	37,914	38,556	38,876	33,965	35,607	37,592	39,077	40,537	40,136
137	64,308	13,979	14,337	19,780	16,212	16,542	16,001	14,915	15,620	16,686	17,087	17,680	17,411
138	11,617	2,739	2,793	3,331	2,754	3,067	2,829	2,787	2,909	2,973	2,948	3,139	2,955
139	146,894	29,672	35,587	40,598	41,037	32,654	36,305	34,358	37,180	37,475	37,881	37,561	37,799
140	66,263	13,818	16,316	18,373	17,756	16,273	17,993	15,480	16,557	16,988	17,238	18,172	18,223
141	23,217	4,174	5,197	6,883	6,983	4,578	4,804	5,344	5,964	5,967	5,942	5,831	5,510
142	23,110	4,380	5,676	6,384	6,670	4,386	5,659	5,460	5,877	5,812	5,961	5,384	5,813
143	9,632	1,733	2,451	2,804	2,644	1,602	2,149	2,238	2,547	2,447	2,400	2,010	2,239
144	14,851	3,737	3,713	3,705	3,696	3,834	3,827	3,660	3,888	3,559	3,744	3,764	3,989
145	51,933	12,491	13,349	12,863	13,230	12,096	12,712	12,906	13,203	12,926	12,898	12,447	12,587
146	32,750	8,158	8,164	8,090	8,338	7,433	7,758	8,416	8,096	8,156	8,082	7,622	7,714
147	19,183	4,333											

**Table 3. Private Services Transactions**  
(Millions of dollars)

Line		2002	Not seasonally adjusted						Seasonally adjusted					
			2002				2003		2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
1	<b>Exports of private services</b> .....	<b>279,495</b>	<b>66,848</b>	<b>67,752</b>	<b>73,234</b>	<b>71,661</b>	<b>69,733</b>	<b>68,972</b>	<b>68,164</b>	<b>69,325</b>	<b>69,882</b>	<b>72,121</b>	<b>71,002</b>	<b>70,732</b>
2	Travel (table 1, line 6) .....	66,547	14,479	16,732	18,829	16,507	14,286	15,546	16,295	16,030	16,217	18,005	16,089	14,902
3	Passenger fares (table 1, line 7) .....	17,046	3,872	4,281	4,831	4,062	3,444	3,768	4,224	4,279	4,288	4,255	3,736	3,768
4	Other transportation (table 1, line 8) .....	29,166	6,784	7,104	7,646	7,632	7,488	7,941	7,102	7,075	7,307	7,682	7,837	7,910
5	Freight .....	12,330	2,879	2,926	3,134	3,391	3,273	3,656	2,934	2,918	3,140	3,338	3,337	3,645
6	Port services .....	16,836	3,905	4,178	4,512	4,241	4,215	4,285	4,168	4,157	4,167	4,344	4,500	4,265
7	Royalties and license fees (table 1, line 9) .....	44,142	10,139	11,012	11,168	11,823	11,297	11,485	10,373	11,221	11,389	11,157	11,630	11,643
8	Affiliated .....	32,218	7,200	8,050	8,173	8,795	8,237	8,393	7,434	8,259	8,394	8,129	8,570	8,551
9	U.S. parents' receipts .....	29,066	6,881	7,236	7,199	7,750	7,285	7,827	7,066	7,313	7,357	7,329	7,487	7,895
10	U.S. affiliates' receipts .....	3,152	319	814	974	1,045	952	566	368	946	1,037	800	1,083	656
11	Unaffiliated .....	11,924	2,939	2,962	2,995	3,028	3,060	3,092	2,939	2,962	2,995	3,028	3,060	3,092
12	Industrial processes <sup>1</sup> .....	3,900	981	974	972	973	976	981	981	974	972	973	976	981
13	Other <sup>2</sup> .....	8,024	1,958	1,988	2,023	2,055	2,084	2,110	1,958	1,988	2,023	2,055	2,084	2,110
14	Other private services (table 1, line 10) .....	122,594	31,574	28,623	30,760	31,637	33,218	30,232	30,170	30,720	30,681	31,022	31,710	32,509
15	Affiliated services .....	43,500	9,465	10,389	10,988	12,658	11,260	11,717	9,992	10,897	11,195	11,415	11,906	12,233
16	U.S. parents' receipts .....	25,194	5,793	6,167	6,207	7,027	6,582	7,051	6,035	6,262	6,390	6,517	6,852	7,154
17	U.S. affiliates' receipts .....	18,306	3,672	4,222	4,781	5,631	4,678	4,666	3,957	4,635	4,815	4,898	5,054	5,079
18	Unaffiliated services .....	79,094	22,109	18,234	19,772	18,979	21,958	18,515	20,178	19,823	19,486	19,607	19,804	20,276
19	Education .....	12,759	5,095	5,584	5,471	2,610	5,607	1,730	3,082	3,150	3,253	3,274	3,364	3,468
20	Financial services .....	15,859	4,083	4,126	3,842	3,808	3,825	3,977	4,083	4,126	3,842	3,808	3,825	3,977
21	Insurance services .....	2,839	663	701	735	740	742	740	663	701	735	740	742	740
22	Telecommunications .....	4,137	1,092	1,045	1,009	992	987	976	1,092	1,045	1,009	992	987	976
23	Business, professional, and technical services .....	28,799	7,599	7,146	6,993	7,062	7,081	7,319	7,599	7,146	6,993	7,062	7,081	7,319
24	Other unaffiliated services <sup>3</sup> .....	14,700	3,578	3,632	3,723	3,767	3,717	3,773	3,660	3,655	3,654	3,731	3,805	3,797
25	<b>Imports of private services</b> .....	<b>205,234</b>	<b>46,360</b>	<b>52,365</b>	<b>54,978</b>	<b>51,531</b>	<b>49,410</b>	<b>54,367</b>	<b>50,033</b>	<b>50,484</b>	<b>51,453</b>	<b>53,264</b>	<b>53,223</b>	<b>52,637</b>
26	Travel (table 1, line 23) .....	58,044	12,430	15,806	16,930	12,878	12,196	14,395	14,453	14,252	14,314	15,025	14,168	13,014
27	Passenger fares (table 1, line 24) .....	19,969	4,422	5,475	5,430	4,642	4,479	5,512	4,874	4,874	4,829	5,392	4,960	4,920
28	Other transportation (table 1, line 25) .....	38,527	8,420	9,577	10,138	10,392	10,303	11,226	8,891	9,580	9,787	10,271	10,873	11,182
29	Freight .....	25,973	5,594	6,428	6,806	7,145	6,962	7,994	5,924	6,456	6,579	7,016	7,360	7,985
30	Port services .....	12,554	2,826	3,149	3,332	3,247	3,341	3,232	2,967	3,124	3,208	3,255	3,513	3,197
31	Royalties and license fees (table 1, line 26) .....	19,258	4,607	4,765	4,941	4,945	4,564	4,679	4,728	4,902	5,036	4,592	4,698	4,835
32	Affiliated .....	15,132	3,242	3,691	4,106	4,093	3,699	3,802	3,363	3,828	4,201	3,740	3,833	3,958
33	U.S. parents' payments .....	2,958	598	718	843	799	630	630	598	718	843	799	630	630
34	U.S. affiliates' payments .....	12,174	2,644	2,973	3,263	3,294	3,069	3,172	2,765	3,110	3,358	2,941	3,203	3,328
35	Unaffiliated .....	4,126	1,365	1,074	835	852	865	877	1,365	1,074	835	852	865	877
36	Industrial processes <sup>1</sup> .....	1,935	474	480	467	494	504	513	474	480	487	494	504	513
37	Other <sup>2</sup> .....	2,192	891	594	349	358	362	365	891	594	349	358	362	365
38	Other private services (table 1, line 27) .....	69,436	16,481	16,742	17,539	18,674	17,868	18,555	17,087	16,876	17,487	17,984	18,524	18,686
39	Affiliated services .....	32,367	7,616	7,496	8,053	9,202	8,192	8,529	8,094	7,631	8,183	8,457	8,720	8,674
40	U.S. parents' payments .....	17,529	3,749	4,181	4,607	4,992	4,329	4,805	4,062	4,287	4,657	4,522	4,705	4,915
41	U.S. affiliates' payments .....	14,838	3,867	3,315	3,446	4,210	3,863	3,724	4,032	3,344	3,526	3,935	4,015	3,759
42	Unaffiliated services .....	37,069	8,865	9,246	9,486	9,472	9,676	10,026	8,993	9,245	9,304	9,527	9,804	10,102
43	Education .....	2,466	471	615	807	573	510	667	597	612	624	627	639	653
44	Financial services .....	3,665	975	999	834	857	939	925	975	999	834	857	939	925
45	Insurance services .....	15,348	3,533	3,756	3,948	4,111	4,250	4,374	3,533	3,756	3,948	4,111	4,250	4,374
46	Telecommunications .....	4,180	1,112	1,050	1,023	996	966	961	1,112	1,050	1,023	996	966	961
47	Business, professional, and technical services .....	10,732	2,613	2,658	2,702	2,759	2,830	2,916	2,613	2,658	2,702	2,759	2,830	2,916
48	Other unaffiliated services <sup>3</sup> .....	679	161	169	173	176	180	183	161	169	173	176	180	183
<b>Supplemental detail on Insurance transactions:</b>														
49	Premiums received .....	11,937	2,649	2,916	3,124	3,248	3,265	3,277	2,649	2,916	3,124	3,248	3,265	3,277
50	For insurance services <sup>4</sup> (line 21) .....	2,839	663	701	735	740	742	740	663	701	735	740	742	740
51	For loss settlement <sup>5</sup> .....	9,098	1,986	2,215	2,389	2,508	2,523	2,537	1,986	2,215	2,389	2,508	2,523	2,537
52	Actual losses paid <sup>5</sup> .....	8,619	2,199	2,158	2,131	2,131	2,176	2,236	2,199	2,158	2,131	2,131	2,176	2,236
53	Premiums paid .....	47,156	11,416	11,663	11,902	12,175	12,472	12,826	11,416	11,663	11,902	12,175	12,472	12,826
54	For insurance services <sup>4</sup> (line 45) .....	15,348	3,533	3,756	3,948	4,111	4,250	4,374	3,533	3,756	3,948	4,111	4,250	4,374
55	For loss settlement <sup>5</sup> .....	31,808	7,882	7,907	7,954	8,064	8,222	8,452	7,882	7,907	7,954	8,064	8,222	8,452
56	Actual losses recovered <sup>5</sup> .....	30,914	7,123	7,658	8,003	8,130	8,026	7,704	7,123	7,658	8,003	8,130	8,026	7,704
<b>Memoranda:</b>														
57	Balance on goods (table 1, line 71) .....	-482,872	-96,947	-116,868	-134,059	-134,998	-126,994	-133,346	-106,033	-121,286	-123,312	-132,241	-136,018	-137,979
58	Balance on private services (line 1 minus line 25) .....	74,261	20,488	15,387	18,256	20,130	20,323	14,605	18,131	18,841	18,429	18,857	17,779	18,095
59	Balance on goods and private services (lines 57 and 58) .....	-408,611	-76,459	-101,481	-115,803	-114,868	-106,671	-118,741	-87,902	-102,445	-104,883	-113,384	-118,239	-119,884

See footnotes on pages 56 and 57.

Table 4. U.S. Official Reserve Assets and Foreign Official Assets in the United States

[Millions of dollars]

Line	(Credits +; decrease in U.S. assets or increase in foreign assets. Debits -; increase in U.S. assets or decrease in foreign assets.)	2002	Not seasonally adjusted						Amounts outstanding June 30, 2003
			2002				2003		
			I	II	III	IV	I <sup>P</sup>	II <sup>P</sup>	
A1	<b>U.S. official reserve assets, net (table 1, line 41)</b>	<b>-3,681</b>	<b>390</b>	<b>-1,843</b>	<b>-1,416</b>	<b>-812</b>	<b>83</b>	<b>-170</b>	<b>160,970</b>
2	Gold (table 1, line 42)								90,499
3	Special drawing rights (table 1, line 43)	-475	-109	-107	-132	-127	897	-102	11,720
4	Reserve position in the International Monetary Fund (table 1, line 44)	-2,632	652	-1,607	-1,136	-541	-644	86	23,210
5	Foreign currencies (table 1, line 45)	-574	-153	-129	-148	-144	-170	-154	35,541
B1	<b>Foreign official assets in the United States, net (table 1, line 56)</b>	<b>94,860</b>	<b>6,106</b>	<b>47,552</b>	<b>8,992</b>	<b>32,210</b>	<b>40,978</b>	<b>57,580</b>	<b>1,239,118</b>
	By instrument:								
2	U.S. Treasury securities (table 1, line 58)	43,144	-1,039	15,138	1,415	27,630	22,288	33,232	766,922
3	Bills and certificates	28,656	-843	14,810	9,501	5,188	15,778	3,804	209,957
4	Bonds and notes, marketable	15,131	56	487	-8,144	22,732	6,457	29,373	554,089
5	Bonds and notes, nonmarketable	-643	-252	-159	58	-290	53	55	2,876
6	Other U.S. Government securities (table 1, line 59)	30,377	7,296	6,568	10,885	5,628	9,480	3,290	201,033
7	Other U.S. Government liabilities (table 1, line 60)	137	-597	365	464	-95	-437	-32	16,675
8	U.S. liabilities reported by U.S. banks, not included elsewhere (table 1, line 61)	17,594	-280	24,575	-4,607	-2,094	8,321	20,385	169,324
9	Banks' liabilities for own account <sup>1</sup>	6,998	-4,139	13,394	3,519	-5,776	5,018	9,429	104,868
10	Repurchase agreements						8,776	5,188	70,181
11	Deposits and brokerage balances <sup>2</sup>	-2,039	-5,147	-707	-902	4,717	1,125	1,020	22,990
12	Other liabilities	9,037	1,008	14,101	4,421	-10,493	-4,883	3,221	11,697
13	Banks' customers' liabilities <sup>1</sup>	10,596	3,859	11,181	-8,126	3,682	3,303	10,956	64,456
14	Negotiable certificates of deposit and other short-term instruments	11,602	3,716	11,372	-8,048	4,562	2,482	6,761	59,376
15	Other liabilities	-1,006	143	-191	-78	-880	821	4,195	5,080
16	Other foreign official assets (table 1, line 62)	3,608	726	906	835	1,141	1,326	705	85,164
	By area:								
17	Europe	30,096	-1,254	11,977	6,920	12,453	7,448	2,539	303,577
18	Canada	-2,333	868	-3,199	-995	993	-1,262	122	10,376
19	Latin America and Caribbean	-7,815	-4,488	-2,071	-2,299	1,043	59	8,323	74,942
20	Asia	70,798	10,516	40,138	5,439	14,705	37,220	41,877	819,478
21	Africa	-130	-2,345	1,291	-1,051	1,975	-118	505	15,826
22	Other	4,244	2,809	-584	978	1,041	-2,369	4,214	14,919

See footnotes on pages 56 and 57.

**Table 5. Selected U.S. Government Transactions**  
(Millions of dollars)

Line		2002	Not seasonally adjusted					
			2002				2003	
			I	II	III	IV	I <sup>c</sup>	II <sup>c</sup>
A1	<b>U.S. Government grants and transactions increasing Government assets, total</b>	<b>23,007</b>	<b>7,263</b>	<b>3,827</b>	<b>4,636</b>	<b>7,281</b>	<b>8,451</b>	<b>6,651</b>
	<b>By category</b>							
2	Grants, net	17,290	6,402	3,303	3,157	4,429	5,910	5,655
3	U.S. Government current grants, net (table 1, line 36, with sign reversed)	17,097	6,397	3,287	3,075	4,338	5,813	5,620
4	Financing military purchases <sup>1</sup>	5,818	3,504	617	319	1,378	2,979	1,651
5	Other grants	11,279	2,893	2,671	2,756	2,959	2,834	3,968
6	Cash contributions received from coalition partners for Persian Gulf operations							
7	Debt forgiveness (table 1, part of line 39, with sign reversed)	193	5	15	82	91	97	35
8	Credits and other long-term assets (table 1, line 47, with sign reversed)	5,611	853	565	1,375	2,818	2,578	928
9	Capital subscriptions and contributions to international financial institutions, excluding IMF	1,485	446	368	364	308	378	369
10	Credits repayable in U.S. dollars	4,125	408	197	1,011	2,510	2,200	559
11	Credits repayable in other than U.S. dollars					( <sup>c</sup> )		
12	Other long-term assets							
13	Foreign currency holdings and short-term assets, net (table 1, line 49 with sign reversed)	105	8	-41	104	34	-36	69
14	Foreign currency holdings (excluding administrative cash holdings), net	6		2	( <sup>c</sup> )	4		
	Receipts from:							
15	Sales of agricultural commodities							
16	Interest	1		( <sup>c</sup> )		1		
17	Repayments of principal	5		2	( <sup>c</sup> )	3		
18	Reverse grants							
19	Other sources							
	Less currencies disbursed for:							
20	Grants and credits in the recipient's currency							
21	Other grants and credits							
22	Other U.S. Government expenditures	( <sup>c</sup> )		( <sup>c</sup> )				
23	Assets acquired in performance of U.S. Government guarantee and insurance obligations, net	73	10	-23	92	-6	-4	88
24	Other assets held under Commodity Credit Corporation Charter Act, net							
25	Assets financing military sales contracts, net <sup>2</sup>							
26	Other short-term assets (including changes in administrative cash holdings), net	27	-2	-20	12	37	-33	-20
	<b>By program</b>							
27	Capital subscriptions and contributions to international financial institutions, excluding IMF	1,485	446	368	364	308	378	369
28	Under Agricultural Trade Development and Assistance Act and related programs	2,426	281	239	383	1,514	334	377
29	Under Foreign Assistance Act and related programs	15,663	6,030	2,734	2,963	3,936	6,629	5,222
30	Under Export-Import Bank Act	1,460	230	118	636	477	874	423
31	Under Commodity Credit Corporation Charter Act	712	3	10	15	665	17	5
32	Under other grant and credit programs	1,227	266	377	263	321	252	275
33	Other foreign currency assets acquired (lines A16, A17, and A19)	6		2	( <sup>c</sup> )	4		
34	Less foreign currencies used by U.S. Government other than for grants or credits (line A22)	( <sup>c</sup> )		( <sup>c</sup> )				
35	Other (including changes in administrative cash holdings), net	27	-2	-20	12	37	-33	-20
	<b>By disposition<sup>3</sup></b>							
36	Estimated transactions involving no direct dollar outflow from the United States	17,319	5,813	2,404	3,249	5,853	6,730	4,834
37	Expenditures on U.S. goods	7,658	4,058	711	1,107	1,782	4,211	2,573
38	Expenditures on U.S. services <sup>4</sup>	4,590	1,228	1,023	1,109	1,230	1,782	1,609
39	Financing of military sales contracts by U.S. Government <sup>5</sup> (line C6)	2,361	345	616	634	767	603	483
40	By long-term credits	328	6	4	317	1	10	76
41	By short-term credits <sup>1</sup>							
42	By grants <sup>1</sup>	2,033	339	612	317	766	592	407
43	U.S. Government grants and credits to repay prior U.S. Government credits <sup>4</sup>	2,417	141	41	285	1,949	123	77
44	U.S. Government long- and short-term credits to repay prior U.S. private credits <sup>5</sup> and other assets	321	46	17	131	128	25	96
45	Increase in liabilities associated with U.S. Government grants and transactions increasing Government assets (including changes in retained accounts) <sup>7</sup> (line C11)							
46	Less receipts on short-term U.S. Government assets (a) financing military sales contracts <sup>1</sup> (b) financing repayment of private credits and other assets, and (c) financing expenditures on U.S. goods	28	5	4	17	3	13	4
47	Less foreign currencies used by U.S. Government other than for grants or credits (line A22)	( <sup>c</sup> )		( <sup>c</sup> )				
48	Estimated dollar payments to foreign countries and international financial institutions	5,688	1,450	1,423	1,387	1,428	1,721	1,817
B1	<b>Repayments on U.S. Government long-term assets, total (table 1, line 48)</b>	<b>5,684</b>	<b>994</b>	<b>566</b>	<b>1,452</b>	<b>2,672</b>	<b>2,472</b>	<b>674</b>
2	Receipts of principal on U.S. Government credits	5,684	994	566	1,452	2,672	2,472	674
3	Under Agricultural Trade Development and Assistance Act and related programs	1,649	47	39	161	1,401	88	61
4	Under Foreign Assistance Act and related programs	1,703	509	254	569	370	1,398	231
5	Under Export-Import Bank Act	1,695	340	219	635	501	440	310
6	Under Commodity Credit Corporation Charter Act	561	91	52	87	331	125	68
7	Under other credit programs	77	6	2	( <sup>c</sup> )	69	421	4
8	Receipts on other long-term assets							
C1	<b>U.S. Government liabilities other than securities, total, net increase (+) (table 1, line 60)</b>	<b>137</b>	<b>-597</b>	<b>365</b>	<b>464</b>	<b>-95</b>	<b>-437</b>	<b>-32</b>
2	Associated with military sales contracts <sup>2</sup>	113	-602	363	450	-99	-441	-35
3	U.S. Government cash receipts from foreign governments (including principal repayments on credits financing military sales contracts), net of refunds <sup>1</sup>	10,024	2,649	2,190	2,695	2,491	3,126	2,081
4	Less U.S. Government receipts from principal repayments	916	204	91	254	367	346	124
5	Less U.S. Treasury securities issued in connection with prepayments for military purchases in the United States	-586	607	-400	-793	1	997	-549
6	Plus financing of military sales contracts by U.S. Government <sup>5</sup> (line A39)	2,361	345	616	634	767	603	483
7	By long-term credits	328	6	4	317	1	10	76
8	By short-term credits <sup>1</sup>							
9	By grants <sup>1</sup>	2,033	339	612	317	766	592	407
10	Less transfers of goods and services (including transfers financed by grants for military purchases, and by credits) <sup>1,2</sup> (table 1, line 5)	11,943	2,785	2,751	3,418	2,989	2,827	3,023
11	Associated with U.S. Government grants and transactions increasing Government assets (including changes in retained accounts) <sup>7</sup> (line A45)							
12	Associated with other liabilities	24	5	2	14	4	4	3
13	Sales of nuclear material by Department of Energy/U.S. Enrichment Corporation							
14	Sales of space launch and other services by National Aeronautics and Space Administration	11	3	2	5	1	17	
15	Other sales and miscellaneous operations	14	2		9	3	-13	3

See footnotes on pages 56 and 57.

**Table 6a. Direct Investment: Income, Capital, Royalties and License Fees, and Other Private Services**  
 [Millions of dollars]

Line	(Credits +; debits -)	2002	Not seasonally adjusted						Seasonally adjusted					
			2002				2003		2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
<b>U.S. direct investment abroad:</b>														
1	<b>Income (table 1, line 14)</b>	<b>142,933</b>	<b>32,674</b>	<b>35,538</b>	<b>37,986</b>	<b>36,735</b>	<b>38,124</b>	<b>39,720</b>	<b>32,058</b>	<b>34,874</b>	<b>37,264</b>	<b>38,735</b>	<b>37,508</b>	<b>39,131</b>
2	Earnings	137,605	31,351	34,242	36,641	35,371	36,744	38,284	30,735	33,578	35,919	37,371	36,128	37,695
3	Distributed earnings	43,453	8,681	9,673	10,228	14,871	7,337	9,934	10,536	11,193	12,322	9,401	9,294	12,092
4	Reinvested earnings	94,152	22,670	24,569	26,413	20,500	29,406	28,350	20,199	22,385	23,597	27,970	26,834	25,603
5	Reinvested earnings without current-cost adjustment	76,057	18,273	20,074	21,840	15,870	24,740	23,668	15,802	17,890	19,024	23,340	22,168	20,921
6	Current-cost adjustment	18,095	4,397	4,495	4,573	4,630	4,666	4,682	4,397	4,495	4,573	4,630	4,666	4,682
7	Interest	5,328	1,323	2,296	1,345	1,364	1,380	1,436	1,323	1,296	1,345	1,364	1,380	1,436
8	U.S. parents' receipts	8,751	2,100	2,173	2,206	2,272	2,173	2,242	2,100	2,173	2,206	2,272	2,173	2,242
9	U.S. parents' payments	-3,423	-777	-877	-861	-908	-793	-806	-777	-877	-861	-908	-793	-806
10	Income without current-cost adjustment	124,838	28,277	31,043	33,413	32,105	33,458	35,038	27,661	30,379	32,691	34,105	32,842	34,449
11	Manufacturing	31,688	6,716	7,375	8,368	9,229	8,342	8,728	6,633	7,156	8,213	9,685	8,276	8,501
12	Wholesale trade	13,315	3,292	2,995	3,624	3,404	2,909	3,434	3,292	2,995	3,624	3,404	2,909	3,434
13	Finance (including depository institutions) and insurance	16,375	3,564	4,460	5,089	3,262	4,194	4,516	3,031	4,015	4,522	4,806	3,644	4,154
14	Holding companies, except bank holding companies	41,529	10,139	11,052	9,974	10,364	10,980	10,662	10,139	11,052	9,974	10,364	10,980	10,662
15	Other	21,931	4,566	5,161	6,358	5,846	7,033	7,698	4,566	5,161	6,358	5,846	7,033	7,698
16	Earnings without current-cost adjustment (line 2 less line 6)	119,510	26,954	29,747	32,068	30,741	32,078	33,602	26,338	29,083	31,346	32,741	31,462	33,013
17	Manufacturing	30,380	6,411	7,067	8,016	8,886	8,011	8,381	6,328	6,848	7,861	9,342	7,945	8,154
18	Wholesale trade	12,927	3,193	2,895	3,531	3,308	2,813	3,336	3,193	2,895	3,531	3,308	2,813	3,336
19	Finance (including depository institutions) and insurance	16,662	3,599	4,557	5,161	3,345	4,275	4,577	3,066	4,112	4,594	4,889	3,725	4,215
20	Holding companies, except bank holding companies	40,446	9,866	10,781	9,708	10,091	10,665	10,346	9,866	10,781	9,708	10,091	10,665	10,346
21	Other	19,095	3,885	4,447	5,652	5,111	6,314	6,962	3,885	4,447	5,652	5,111	6,314	6,962
22	Interest	5,328	1,323	2,296	1,345	1,364	1,380	1,436	1,323	1,296	1,345	1,364	1,380	1,436
23	Manufacturing	1,308	305	308	352	343	331	347	305	308	352	343	331	347
24	Wholesale trade	388	99	100	93	96	96	98	99	100	93	96	96	98
25	Finance (including depository institutions) and insurance <sup>1</sup>	-287	-35	-97	-72	-83	-81	-61	-35	-97	-72	-83	-81	-61
26	Holding companies, except bank holding companies	1,083	273	271	266	273	315	316	273	271	266	273	315	316
27	Other	2,836	681	714	706	735	719	736	681	714	706	735	719	736
28	<b>Capital (table 1, line 51)</b>	<b>-137,836</b>	<b>-41,554</b>	<b>-37,643</b>	<b>-34,439</b>	<b>-24,200</b>	<b>-36,977</b>	<b>-34,767</b>	<b>-39,083</b>	<b>-35,459</b>	<b>-31,623</b>	<b>-31,670</b>	<b>-34,405</b>	<b>-32,020</b>
29	Equity capital	-18,103	-9,678	-3,266	-6,091	932	-4,895	-6,902	-9,678	-3,266	-6,091	932	-4,895	-6,902
30	Increases in equity capital	-48,257	-15,047	-8,240	-12,277	-12,693	-9,944	-10,528	-15,047	-8,240	-12,277	-12,693	-9,944	-10,528
31	Decreases in equity capital	30,154	5,369	4,974	6,186	13,625	5,049	3,626	5,369	4,974	6,186	13,625	5,049	3,626
32	Reinvested earnings (line 4 with sign reversed)	-94,152	-22,670	-24,569	-26,413	-20,500	-29,406	-28,350	-20,199	-22,385	-23,597	-27,970	-26,834	-25,603
33	Intercompany debt	-25,581	-9,206	-9,808	-1,935	-4,632	-2,676	485	-9,206	-9,808	-1,935	-4,632	-2,676	485
34	U.S. parents' receivables	-24,880	-1,365	-16,228	-323	-6,964	-11,822	-4,277	-1,365	-16,228	-323	-6,964	-11,822	-4,277
35	U.S. parents' payables	-701	-7,841	6,420	-1,612	2,332	9,146	4,762	-7,841	6,420	-1,612	2,332	9,146	4,762
36	Capital without current-cost adjustment	-119,741	-37,157	-33,148	-29,866	-19,570	-32,311	-30,085	-34,686	-30,964	-27,050	-27,040	-29,739	-27,338
37	Manufacturing	-29,512	-2,880	-9,524	-9,402	-7,706	-6,028	-6,228	-2,353	-8,982	-8,626	-9,551	-6,412	-5,456
38	Wholesale trade	-7,181	-2,904	161	-4,129	-309	-2,528	-496	-2,683	314	-3,602	-1,210	-2,228	-158
39	Finance (including depository institutions) and insurance	-24,590	-10,203	-6,576	-4,720	-3,091	-11,036	-3,561	-9,211	-5,856	-3,988	-5,534	-9,709	-2,906
40	Holding companies, except bank holding companies	-42,136	-12,823	-13,591	-8,069	-7,653	-10,732	-10,350	-12,189	-12,840	-7,790	-9,317	-10,292	-9,141
41	Other	-16,322	-8,347	-3,618	-3,546	-811	-1,244	-9,650	-8,250	-3,600	-3,044	-1,428	-1,098	-9,677
42	Equity capital	-18,103	-9,678	-3,266	-6,091	932	-4,895	-6,902	-9,678	-3,266	-6,091	932	-4,895	-6,902
43	Manufacturing	-13,717	-5,124	-2,449	-3,922	-2,222	-2,072	-1,909	-5,124	-2,449	-3,922	-2,222	-2,072	-1,909
44	Wholesale trade	-1,361	-794	-205	-553	191	3	8	-794	-205	-553	191	3	8
45	Finance (including depository institutions) and insurance	-2,887	-1,121	-1,522	-1,579	1,335	-3,313	-1,458	-1,121	-1,522	-1,579	1,335	-3,313	-1,458
46	Holding companies, except bank holding companies	-357	1,005	-418	-339	-605	979	-2,352	1,005	-418	-339	-605	979	-2,352
47	Other	219	-3,644	1,328	302	2,233	-492	-1,191	-3,644	1,328	302	2,233	-492	-1,191
48	Reinvested earnings without current-cost adjustment (line 5 with sign reversed)	-76,057	-18,273	-20,074	-21,840	-15,870	-24,740	-23,668	-15,802	-17,890	-19,024	-23,340	-22,168	-20,921
49	Manufacturing	-15,602	-2,141	-3,356	-5,243	-4,862	-6,040	-5,728	-1,614	-2,814	-4,467	-6,707	-5,681	-5,156
50	Wholesale trade	-7,715	-2,203	-2,076	-2,046	-1,390	-1,843	-2,113	-1,982	-1,923	-1,519	-2,291	-1,543	-1,774
51	Finance (including depository institutions) and insurance	-8,376	-2,357	-2,464	-2,702	-853	-2,455	-2,722	-1,365	-1,744	-1,970	-3,296	-1,127	-2,067
52	Holding companies, except bank holding companies	-32,292	-8,833	-9,548	-7,586	-6,325	-9,920	-8,346	-8,199	-8,797	-7,307	-7,989	-9,479	-7,138
53	Other	-12,072	-2,739	-2,630	-4,263	-2,440	-4,482	-4,759	-2,642	-2,612	-3,761	-3,057	-4,338	-4,786
54	Intercompany debt	-25,581	-9,206	-9,808	-1,935	-4,632	-2,676	485	-9,206	-9,808	-1,935	-4,632	-2,676	485
55	Manufacturing	-193	4,385	-3,719	-237	-622	1,341	1,609	4,385	-3,719	-237	-622	1,341	1,609
56	Wholesale trade	1,895	93	2,442	-1,530	890	-688	1,608	93	2,442	-1,530	890	-688	1,608
57	Finance (including depository institutions) and insurance <sup>2</sup>	-13,327	-6,725	-2,590	-439	-3,573	-5,269	619	-6,725	-2,590	-439	-3,573	-5,269	619
58	Holding companies, except bank holding companies	-9,487	-4,995	-3,625	-144	-723	-1,792	349	-4,995	-3,625	-144	-723	-1,792	349
59	Other	-4,469	-1,964	-2,316	415	-604	3,732	-3,700	-1,964	-2,316	415	-604	3,732	-3,700
60	<b>Royalties and license fees, net</b>	<b>26,108</b>	<b>6,283</b>	<b>6,518</b>	<b>6,356</b>	<b>6,951</b>	<b>6,655</b>	<b>7,197</b>	<b>6,468</b>	<b>6,595</b>	<b>6,514</b>	<b>6,530</b>	<b>6,857</b>	<b>7,265</b>
61	U.S. parents' receipts (table 1, part of line 9)	29,066	6,881	7,236	7,199	7,750	7,285	7,827	7,066	7,313	7,357	7,329	7,487	7,895
62	U.S. parents' payments (table 1, part of line 26)	-2,958	-598	-718	-843	-799	-630	-598	-598	-718	-843	-799	-630	-630
63	<b>Other private services, net</b>	<b>7,665</b>	<b>2,044</b>	<b>1,986</b>	<b>1,600</b>	<b>2,035</b>	<b>2,253</b>	<b>2,246</b>	<b>1,973</b>	<b>1,975</b>	<b>1,723</b>	<b>1,995</b>	<b>2,147</b>	<b>2,239</b>
64	U.S. parents' receipts (table 1, part of line 10)	25,194	5,793	6,167	6,207	7,022	6,582	7,051	6,035	6,262	6,380	6,517	6,852	7,154
65	U.S. parents' payments (table 1, part of line 27)	-17,529	-3,749	-4,181	-4,607	-4,927	-4,329	-4,805	-4,062	-4,287	-4,657	-4,522	-4,705	-4,915

See footnotes on pages 56 and 57.



Table 6a. Direct Investment: Income, Capital, Royalties and License Fees, and Other Private Services—Continued

(Millions of dollars)

Line	(Credits +; debits -)	2002	Not seasonally adjusted						Seasonally adjusted					
			2002				2003		2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
<b>Foreign direct investment in the United States:</b>														
66	Income (table 1, line 31).....	-49,458	-8,074	-14,303	-15,637	-11,444	-15,332	-17,170	-8,134	-13,464	-15,350	-12,510	-15,431	-16,308
67	Earnings.....	-26,330	-2,751	-8,601	-9,689	-5,279	-10,783	-12,654	-2,811	-7,782	-9,412	-6,345	-10,882	-11,792
68	Distributed earnings.....	-19,575	-6,880	-5,021	-2,094	-5,580	-2,955	-3,498	-6,202	-7,028	-2,458	-3,889	-2,910	-4,975
69	Reinvested earnings.....	-6,755	4,129	-3,580	-7,605	301	-7,828	-9,156	3,391	-734	-6,954	-2,456	-7,972	-6,817
70	Reinvested earnings without current-cost adjustment.....	2,848	6,410	-1,201	-5,155	2,794	-5,318	-6,657	5,672	1,645	-4,504	37	-5,462	-4,318
71	Current-cost adjustment.....	-9,603	-2,281	-2,379	-2,450	-2,493	-2,510	-2,499	-2,281	-2,379	-2,450	-2,493	-2,510	-2,499
72	Interest.....	-23,128	-5,323	-5,702	-5,938	-6,165	-4,549	-4,516	-5,323	-5,702	-5,938	-6,165	-4,549	-4,516
73	U.S. affiliates' payments.....	-24,662	-5,617	-6,093	-6,276	-6,676	-5,011	-4,956	-5,617	-6,093	-6,276	-6,676	-5,011	-4,956
74	U.S. affiliates' receipts.....	1,534	294	391	338	511	462	440	294	391	338	511	462	440
75	Income without current-cost adjustment.....	-39,855	-5,793	-11,924	-13,187	-8,951	-12,822	-14,671	-5,853	-11,085	-12,900	-10,017	-12,921	-13,809
76	Manufacturing.....	-22,221	-3,449	-6,935	-6,985	-4,852	-4,100	-6,107	-3,496	-6,086	-6,704	-5,935	-4,177	-5,236
77	Wholesale trade.....	-13,140	-2,816	-4,132	-3,729	-2,463	-5,385	-2,990	-2,816	-4,132	-3,729	-2,463	-5,385	-2,990
78	Finance (including depository institutions) and insurance.....	-3,025	-1,914	48	-728	-431	-1,864	-3,659	-1,914	48	-728	-431	-1,864	-3,659
79	Other.....	-1,469	2,386	-905	-1,745	-1,205	-1,473	-1,915	2,373	-915	-1,739	-1,481	-1,495	-1,924
80	Earnings without current-cost adjustment (line 67 less line 71).....	-16,727	-470	-6,222	-7,249	-2,786	-8,273	-10,155	-530	-5,383	-6,962	-3,852	-3,372	-9,293
81	Manufacturing.....	-10,339	-260	-3,690	-3,985	-2,404	-1,871	-3,830	-307	-2,841	-3,704	-3,487	-1,948	-2,959
82	Wholesale trade.....	-12,368	-2,596	-3,928	-3,525	-2,319	-5,240	-2,845	-2,596	-3,928	-3,525	-2,319	-5,240	-2,845
83	Finance (including depository institutions) and insurance.....	409	-1,413	730	247	845	-1,464	-3,292	-1,413	730	247	845	-1,464	-3,292
84	Other.....	5,571	3,799	666	14	1,092	302	-188	3,786	656	20	1,109	280	-197
85	Interest.....	-23,128	-5,323	-5,702	-5,938	-6,165	-4,549	-4,516	-5,323	-5,702	-5,938	-6,165	-4,549	-4,516
86	Manufacturing.....	-11,882	-3,189	-3,245	-3,000	-2,448	-2,229	-2,277	-3,189	-3,245	-3,000	-2,448	-2,229	-2,277
87	Wholesale trade.....	-772	-220	-204	-204	-144	-145	-145	-220	-204	-204	-144	-145	-145
88	Finance (including depository institutions) and insurance.....	-3,434	-501	-682	-975	-1,276	-400	-367	-501	-682	-975	-1,276	-400	-367
89	Other.....	-7,040	-1,413	-1,571	-1,759	-2,297	-1,775	-1,727	-1,413	-1,571	-1,759	-2,297	-1,775	-1,727
90	Capital (table 1, line 64).....	39,633	9,869	2,390	14,850	12,524	34,241	14,476	10,607	-456	14,199	15,281	34,386	12,137
91	Equity capital.....	70,326	12,717	24,009	24,318	9,282	32,710	3,079	12,717	24,009	24,318	9,282	32,710	3,079
92	Increases in equity capital.....	84,084	17,180	25,965	27,649	13,290	33,539	6,510	17,180	25,965	27,649	13,290	33,539	6,510
93	Decreases in equity capital.....	-13,758	-4,463	-1,956	-3,331	-4,008	-829	-3,431	-4,463	-1,956	-3,331	-4,008	-829	-3,431
94	Reinvested earnings (line 69 with sign reversed).....	6,755	-4,129	3,580	7,605	-301	7,828	9,156	-3,391	734	6,954	2,456	7,972	6,817
95	Intercompany debt.....	-37,448	1,281	-25,199	-17,073	3,543	-6,296	2,241	1,281	-25,199	-17,073	3,543	-6,296	2,241
96	U.S. affiliates' payables.....	-22,500	729	-12,106	-15,762	4,559	-1,614	4,455	729	-12,106	-15,762	4,559	-1,614	4,455
97	U.S. affiliates' receivables.....	-14,868	529	-13,093	-1,311	-4,682	-2,214	552	-13,093	-1,311	-4,682	-2,214	552	
98	Capital without current-cost adjustment.....	30,030	7,588	11	12,400	10,031	31,731	11,977	8,326	-2,835	11,749	12,788	31,876	9,638
99	Manufacturing.....	4,444	810	-4,983	6,158	2,459	8,523	3,606	1,743	-7,483	5,680	4,504	8,789	1,536
100	Wholesale trade.....	10,815	-553	3,998	4,880	2,490	5,827	2,433	-631	3,873	4,825	2,747	5,772	2,348
101	Finance (including depository institutions) and insurance.....	-3,755	-139	-1,409	-1,463	-744	12,681	1,315	-139	-1,409	-1,463	-744	12,682	1,316
102	Other.....	18,526	7,470	2,405	2,825	5,826	4,700	4,623	7,353	2,184	2,707	6,281	4,633	4,438
103	Equity capital.....	70,326	12,717	24,009	24,318	9,282	32,710	3,079	12,717	24,009	24,318	9,282	32,710	3,079
104	Manufacturing.....	31,008	3,520	8,565	14,713	4,210	3,000	1,373	3,520	8,565	14,713	4,210	3,000	1,373
105	Wholesale trade.....	1,844	73	214	912	645	234	414	73	214	912	645	234	414
106	Finance (including depository institutions) and insurance.....	8,745	816	3,935	2,336	1,658	21,781	160	816	3,935	2,336	1,658	21,781	160
107	Other.....	28,729	8,308	11,295	6,357	2,769	7,695	1,132	8,308	11,295	6,357	2,769	7,695	1,132
108	Reinvested earnings without current-cost adjustment (line 70 with sign reversed).....	-2,848	-6,410	1,201	5,155	-2,794	5,318	6,657	-5,672	-1,645	4,504	-37	5,462	4,318
109	Manufacturing.....	1,086	-3,929	1,901	3,137	-23	693	2,743	-2,996	-599	2,659	2,022	960	673
110	Wholesale trade.....	11,064	2,459	3,695	3,268	1,642	5,127	2,659	2,381	3,570	3,213	1,899	5,073	2,575
111	Finance (including depository institutions) and insurance.....	-6,738	-513	-3,360	-829	-2,036	480	1,400	-513	-3,360	-829	-2,036	481	1,401
112	Other.....	-8,260	-4,427	-1,035	-421	-2,377	-982	-145	-4,544	-1,256	-539	-1,922	-1,052	-331
113	Intercompany debt.....	-37,448	1,281	-25,199	-17,073	3,543	-6,296	2,241	1,281	-25,199	-17,073	3,543	-6,296	2,241
114	Manufacturing.....	-27,650	1,219	-15,449	-11,692	-1,728	4,829	-510	1,219	-15,449	-11,692	-1,728	4,829	-510
115	Wholesale trade.....	-2,093	-3,085	89	700	203	465	-641	-3,085	89	700	203	465	-641
116	Finance (including depository institutions) and insurance.....	-5,762	-442	-1,984	-2,970	-366	-9,580	-245	-442	-1,984	-2,970	-366	-9,580	-245
117	Other.....	-1,943	3,589	-7,855	-3,111	5,434	-2,010	3,637	3,589	-7,855	-3,111	5,434	-2,010	3,637
118	Royalties and license fees, net.....	-9,022	-2,325	-2,289	-2,289	-2,117	-2,606	-2,397	-2,164	-2,321	-2,141	-2,141	-2,120	-2,672
119	U.S. affiliates' payments (table 1, part of line 26).....	-12,174	-2,644	-2,973	-3,283	-3,294	-3,069	-3,172	-2,765	-3,110	-3,358	-2,941	-3,203	-3,328
120	U.S. affiliates' receipts (table 1, part of line 9).....	3,152	319	814	974	1,045	952	566	319	814	974	1,045	952	566
121	Other private services, net.....	3,468	-195	907	1,335	1,421	815	942	-75	1,291	1,289	963	1,039	1,320
122	U.S. affiliates' payments (table 1, part of line 27).....	-14,838	-3,867	-3,315	-3,446	-4,210	-3,863	-3,724	-4,032	-3,344	-3,526	-3,935	-4,015	-3,759
123	U.S. affiliates' receipts (table 1, part of line 10).....	11,366	3,672	4,222	4,781	5,631	4,678	4,666	3,957	4,635	4,815	4,898	5,054	5,079

See footnotes on pages 56 and 57.

Table 7a. Transactions in Long-Term Securities

(Millions of dollars)

Line	(Credits +; debits -)	2002	Not seasonally adjusted					
			2002				2003	
			I	II	III	IV	I <sup>a</sup>	II <sup>b</sup>
A1	<b>Foreign securities, net purchases (-) or net sales (+) by U.S. residents (table 1, line 52 or lines 4 + 18 below)</b>	<b>15,801</b>	<b>5,367</b>	<b>-5,843</b>	<b>21,641</b>	<b>-5,364</b>	<b>-27,146</b>	<b>9,240</b>
2	Stocks, gross purchases by U.S. residents	1,278,340	314,200	360,295	306,472	297,373	303,872	333,786
3	Stocks, gross sales by U.S. residents	1,260,663	315,943	340,947	319,296	284,477	269,495	316,843
4	<b>Stocks, net purchases by U.S. residents</b>	<b>-17,677</b>	<b>1,743</b>	<b>-19,348</b>	<b>12,824</b>	<b>-12,896</b>	<b>-34,377</b>	<b>-16,943</b>
5	New issues in the United States	-3,429	-1,455	-1,544		-430	-201	
6	Transactions in outstanding stocks, net	-14,248	3,198	-17,804	12,824	-12,466	-34,176	-16,943
	Net purchases by U.S. residents, by area:							
7	Europe	-12,094	1,414	-10,971	5,815	-8,352	-23,688	-8,324
8	Of which: United Kingdom	-14,577	83	-14,490	6,020	-6,190	-22,787	-6,289
9	Canada	4,040	1,470	754	2,442	-626	101	-1,384
10	Caribbean financial centers <sup>1</sup>	-7,882	-157	-4,632	-521	-2,572	-4,117	-1,209
11	Latin America, excluding Caribbean financial centers	-2,286	-1,961	-575	767	-517	-482	232
12	Asia	653	987	-3,246	3,603	-691	-5,533	-5,629
13	Of which: Japan	-987	105	-3,242	2,792	-642	-2,733	-3,016
14	Africa	-30	38	-296	166	62	-115	-57
15	Other	-78	-48	-382	552	-200	-543	-572
16	Bonds, gross purchases by U.S. residents	1,353,398	292,373	332,780	352,741	375,504	424,268	553,046
17	Bonds, gross sales by U.S. residents	1,386,876	295,997	346,285	361,558	383,036	431,499	579,229
18	<b>Bonds, net purchases by U.S. residents</b>	<b>33,478</b>	<b>3,624</b>	<b>8,817</b>	<b>13,505</b>	<b>7,332</b>	<b>7,231</b>	<b>26,183</b>
19	New issues in the United States	-20,777	-6,012	-5,160	-2,887	-6,718	-10,138	-1,733
20	Transactions in outstanding bonds, net <sup>2</sup>	54,255	9,636	18,665	11,704	14,250	17,369	27,916
	Net purchases by U.S. residents, by area:							
21	Europe	20,076	7,160	1,431	5,032	6,453	4,778	16,302
22	Of which: United Kingdom	10,930	3,027	2,586	2,190	3,127	9,778	8,516
23	Canada	761	-1,190	3,155	-1,064	-140	4,094	3,550
24	Caribbean financial centers <sup>1</sup>	4,787	1,136	2,138	-1,362	2,875	-6,130	-718
25	Latin America, excluding Caribbean financial centers	4,423	720	1,948	802	953	-1,964	-1,598
26	Asia	1,633	-4,537	5,740	4,094	-3,664	4,749	9,960
27	Of which: Japan	-8,019	-3,133	2,877	208	-7,971	1,631	2,756
28	Africa	49	28	-1,164	495	690	274	190
29	Other	1,749	307	257	820	365	1,430	-1,503
B1	<b>U.S. securities, excluding transactions in U.S. Treasury securities and transactions of foreign official agencies, net purchases (+) or net sales (-) by foreign residents (table 1, line 66 or lines 4 + 16 + 30 below)</b>	<b>291,492</b>	<b>74,461</b>	<b>104,187</b>	<b>45,880</b>	<b>66,964</b>	<b>55,574</b>	<b>86,525</b>
2	Stocks, gross purchases by foreign residents	3,200,575	828,283	815,714	780,306	776,272	653,749	817,023
3	Stocks, gross sales by foreign residents	3,145,392	803,441	804,412	773,209	764,330	656,387	796,465
4	<b>Stocks, net purchases by foreign residents</b>	<b>55,183</b>	<b>24,842</b>	<b>11,302</b>	<b>7,097</b>	<b>11,942</b>	<b>-2,638</b>	<b>20,558</b>
	Net purchases by foreign residents, by area:							
5	Europe	31,502	19,592	-678	1,439	11,149	791	9,570
6	Of which: United Kingdom	14,375	7,987	-1,059	3,236	4,211	-1,247	1,353
7	Canada	12,130	6,439	2,124	2,461	1,106	2,228	4,461
8	Caribbean financial centers <sup>1</sup>	-17,044	-6,062	266	-8,262	-2,986	-6,702	4,061
9	Latin America, excluding Caribbean financial centers	786	153	359	-15	289	-351	349
10	Asia	22,967	2,655	8,192	10,090	2,030	4,272	1,128
11	Of which: Japan	12,214	955	7,265	6,116	-2,122	1,492	-2,401
12	Africa	-93	11	-40	-2	-62	-3	127
13	Other	4,935	2,054	1,079	1,386	416	-2,873	862
14	Corporate bonds, gross purchases by foreign residents	810,003	191,839	219,822	173,872	224,470	229,441	271,354
15	Corporate bonds, gross sales by foreign residents	650,017	148,537	159,888	156,861	184,731	169,068	204,135
16	<b>Corporate bonds, net purchases by foreign residents</b>	<b>159,986</b>	<b>43,302</b>	<b>59,934</b>	<b>17,011</b>	<b>39,739</b>	<b>60,373</b>	<b>67,219</b>
17	New issues sold abroad by U.S. corporations	57,786	21,155	23,205	1,633	11,793	18,625	15,185
18	Transactions in outstanding bonds, net	102,200	22,147	36,729	15,378	27,946	41,748	52,034
	Net purchases by foreign residents, by area:							
19	Europe	93,381	29,566	35,489	6,326	22,000	40,407	41,276
20	Of which: United Kingdom	70,318	21,559	28,798	2,377	17,584	29,020	30,777
21	Canada	-46	885	734	-17	-1,648	1,979	1,195
22	Caribbean financial centers <sup>1</sup>	35,473	9,835	13,690	3,747	8,201	10,579	14,937
23	Latin America, excluding Caribbean financial centers	4,570	747	1,133	541	2,149	1,480	1,989
24	Asia	22,838	1,756	8,586	4,078	8,418	5,111	7,124
25	Of which: Japan	10,795	-914	4,848	1,916	4,945	514	3,019
26	Africa	132	-42	95	32	47	124	118
27	Other	3,638	655	207	2,304	572	693	580
28	Federally sponsored agency bonds, gross purchases by foreign residents	1,589,074	346,817	387,942	431,512	422,803	459,957	704,347
29	Federally sponsored agency bonds, gross sales by foreign residents	1,512,751	340,500	354,991	409,740	407,520	462,118	705,599
30	<b>Federally sponsored agency bonds, net purchases by foreign residents</b>	<b>76,323</b>	<b>6,317</b>	<b>32,951</b>	<b>21,772</b>	<b>15,283</b>	<b>-2,161</b>	<b>-1,252</b>
31	New issues sold abroad by federally sponsored agencies	47,649	14,197	12,794	11,024	9,634	14,521	12,153
32	Transactions in outstanding bonds, net	28,674	-7,880	20,157	10,748	5,649	-16,682	-13,405
	Net purchases by foreign residents, by area:							
33	Europe	13,930	-4,072	10,231	2,632	5,139	4,723	-12,943
34	Of which: United Kingdom	16,737	402	8,157	3,314	4,864	6,878	-5,176
35	Canada	-3,425	-377	-98	-1,511	-1,439	-1,641	-1,537
36	Caribbean financial centers <sup>1</sup>	24,502	7,525	8,590	7,563	824	-6,612	16,627
37	Latin America, excluding Caribbean financial centers	4,398	2,052	1,254	687	405	-103	-605
38	Asia	37,488	1,487	13,360	12,120	10,521	1,307	-1,723
39	Of which: Japan	26,221	-3,669	10,381	8,576	10,933	3,373	5,127
40	Africa	174	9	43	204	-82	598	-101
41	Other	-744	-307	-429	77	-85	-433	-970
C1	<b>U.S. Treasury bonds and notes, excluding transactions of foreign official agencies, net purchases (+) or net sales (-) by foreign residents (table 1, part of line 65)</b>	<b>81,477</b>	<b>6,614</b>	<b>9,264</b>	<b>52,484</b>	<b>13,115</b>	<b>14,043</b>	<b>59,280</b>
2	U.S. Treasury bonds and notes, gross purchases by foreign residents	6,724,758	1,449,014	1,641,663	1,912,138	1,721,943	1,790,916	2,175,033
3	U.S. Treasury bonds and notes, gross sales by foreign residents	6,643,281	1,442,400	1,632,399	1,859,654	1,708,828	1,776,873	2,115,753
	Net purchases by foreign residents, by area:							
4	Europe	26,823	12,085	-2,968	19,554	-1,848	-8,113	23,623
5	Canada	-4,951	-1,163	-1,285	-3,330	827	-694	3,973
6	Caribbean financial centers <sup>1</sup>	15,838	-3,389	9,088	-512	10,651	8,541	-890
7	Latin America, excluding Caribbean financial centers	4,462	913	747	2,139	663	1,838	-188
8	Asia	34,617	-2,824	2,255	33,956	1,228	11,886	30,440
9	Africa	1,064	221	281	532	30	33	46
10	Other	3,624	771	1,146	143	1,564	552	2,276
	<b>Memoranda:</b>							
	<b>Net purchases of marketable long-term U.S. securities by foreign official agencies included elsewhere in the international transactions accounts, net purchases (+) or net sales (-) (lines in table 4):</b>							
1	U.S. Treasury marketable bonds and notes (line B4)	15,131	56	487	-8,144	22,732	6,457	29,373
2	Other U.S. Government securities (line B6)	30,377	7,296	6,568	10,885	5,628	9,480	3,290
3	U.S. corporate and other bonds (part of line B16)	5,593	2,003	1,392	999	1,199	1,270	687
4	U.S. stocks (part of line B16)	-1,985	-1,277	-486	-164	-58	56	18

See footnotes on pages 56 and 57.

**Table 8a. Claims on and Liabilities to Unaffiliated Foreigners Reported by U.S. Nonbanking Concerns Except Securities Brokers<sup>1</sup>**  
 [Millions of dollars]

Line	(Credits +; decrease in U.S. assets or increase in U.S. liabilities. Debits -; increase in U.S. assets or decrease in U.S. liabilities.)	2002	Not seasonally adjusted						Amounts outstanding June 30, 2003
			2002				2003		
			I	II	III	IV	I <sup>1</sup>	II <sup>2</sup>	
A1	<b>Claims, total (table 1, line 53)</b> .....	-31,880	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789	652,870
2	<b>Financial claims</b> .....	-32,513	-3,374	-17,772	-12,622	1,255	-13,060	-22,789	623,446
3	Denominated in U.S. dollars.....	-25,016	1,969	-22,847	-4,279	141	-3,487	-22,789	506,921
4	Denominated in foreign currencies.....	-7,497	-5,343	5,075	-8,343	1,114	-9,573	.....	116,525
	By instrument: <sup>3</sup>								
5	Resale agreements.....	.....	.....	.....	.....	.....	-582	.....	4,205
6	Negotiable certificates of deposit.....	.....	.....	.....	.....	.....	-15	.....	216
7	Other short-term instruments (including money market instruments).....	.....	.....	.....	.....	.....	-395	.....	5,513
8	Deposits.....	-31,630	6,170	-6,716	-25,191	-5,893	-4,866	-23,883	489,750
9	Other claims.....	-883	-9,544	-11,056	12,569	7,148	-7,202	1,094	123,762
10	Of which: Financial intermediaries' accounts <sup>4</sup> .....	-1,937	-10,280	-11,435	13,487	6,291	-3,291	1,094	95,469
	By area:								
11	Europe.....	-22,421	-30,744	5,643	-15,962	18,642	-25,084	.....	339,531
	Of which:								
12	United Kingdom.....	-13,940	-25,234	12,904	-19,476	17,866	-25,373	.....	168,541
13	Germany.....	-451	1,837	-1,147	-1,810	669	3,799	.....	84,018
14	Caribbean financial centers <sup>5</sup> .....	-10,357	27,986	-24,994	2,687	-16,036	13,726	-14,347	244,927
15	Other.....	265	-616	1,579	653	-1,351	-1,702	-8,442	38,988
16	<b>Commercial claims</b> .....	633	1,488	1,562	760	-3,177	1,062	.....	29,424
17	Denominated in U.S. dollars.....	2,925	2,831	1,731	149	-1,786	3,403	.....	22,306
18	Denominated in foreign currencies.....	-2,292	-1,343	-169	611	-1,391	-2,341	.....	7,118
	By instrument:								
19	Trade receivables.....	1,133	1,968	1,355	772	-2,962	952	.....	24,713
20	Advance payments and other claims.....	-500	-480	207	-12	-215	110	.....	4,711
	By area:								
21	Europe.....	-190	1,326	847	-137	-2,226	457	.....	13,346
22	Canada.....	69	97	10	131	-169	97	.....	2,552
23	Asia.....	515	340	206	531	-562	223	.....	5,999
24	Other.....	239	-275	499	235	-220	285	.....	7,527
B1	<b>Liabilities, total (table 1, line 68)</b> .....	72,142	46,771	24,610	-8,102	8,863	74,848	3,189	537,648
2	<b>Financial liabilities</b> .....	67,193	41,686	21,655	-8,079	11,931	75,215	3,189	509,209
3	Denominated in U.S. dollars.....	50,829	35,645	11,109	-1,752	5,827	61,989	3,189	396,856
4	Denominated in foreign currencies.....	16,364	6,041	10,546	-6,327	6,104	13,226	.....	112,353
	By instrument: <sup>3</sup>								
5	Repurchase agreements.....	.....	.....	.....	.....	.....	2,460	.....	12,416
6	Short-term instruments.....	.....	.....	.....	.....	.....	726	.....	21,415
7	Other liabilities.....	67,193	41,686	21,655	-8,079	11,931	72,029	3,189	475,378
8	Of which: Financial intermediaries' accounts <sup>4</sup> .....	6,954	24,586	3,543	-26,299	5,124	17,982	1,368	149,594
	By area:								
9	Europe.....	40,526	39,712	10,738	-26,981	17,057	64,148	.....	364,919
	Of which:								
10	United Kingdom.....	28,327	18,983	7,446	-8,168	10,066	56,683	.....	211,542
11	Germany.....	4,248	8,812	-538	-3,791	-235	10,461	.....	73,544
12	Caribbean financial centers <sup>5</sup> .....	30,191	2,154	11,599	18,429	-1,991	5,873	8,856	86,565
13	Other.....	-3,524	-180	-682	473	-3,135	5,194	-5,667	57,725
14	<b>Commercial liabilities</b> .....	4,949	5,085	2,955	-23	-3,068	-367	.....	28,439
15	Denominated in U.S. dollars.....	4,578	4,810	3,119	285	-3,636	-2,037	.....	24,879
16	Denominated in foreign currencies.....	371	275	-164	-308	568	1,670	.....	3,560
	By instrument:								
17	Trade payables.....	2,519	3,052	-913	-401	781	330	.....	14,881
18	Advance receipts and other liabilities.....	2,430	2,033	3,868	378	-3,849	-697	.....	13,558
	By area:								
19	Europe.....	-5,778	686	269	-3,159	-3,574	-2,221	.....	8,817
20	Canada.....	3,220	375	1,822	1,296	-273	1,143	.....	1,768
21	Asia.....	6,256	2,716	1,312	1,411	817	593	.....	13,125
22	Other.....	1,251	1,308	-448	429	-38	118	.....	4,729

See footnotes on pages 56 and 57.

Table 9a. Claims on Foreigners Reported by U.S. Banks and Securities Brokers <sup>1</sup>

[Millions of dollars]

Line	(Credits +; decrease in U.S. assets. Debits -; increase in U.S. assets.)	2002	Not seasonally adjusted						Amounts outstanding June 30, 2003
			2002				2003		
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	
1	<b>Claims reported by U.S. banks and securities brokers, total (table 1, line 54)</b> .....	-21,357	-148	-69,254	52,999	-4,954	-27,795	-60,603	1,755,800
2	<b>Claims for own accounts</b> .....	-15,091	-9,115	-52,766	51,730	-4,940	-17,842	-42,224	1,339,191
3	Denominated in dollars .....	-25,257	-6,731	-48,238	46,433	-16,721	-10,427	-40,581	1,248,264
	By instrument: <sup>2</sup>								
4	Resale agreements .....						-20,469	-23,555	310,598
5	Negotiable certificates of deposit .....						1,174	1,850	771
6	Other short-term instruments (including money market instruments) .....						10,882	-2,118	15,562
7	Deposits and brokerage balances .....						-1,895	-15,004	387,683
8	Other claims (including loans) .....						-119	-1,754	533,650
	By foreign borrower:								
	Claims on:								
9	Own foreign offices .....	-38,074	-3,653	-39,375	59,834	-54,880	-1,934	-10,165	860,394
10	Unaffiliated foreign banks .....	18,921	4,197	3,347	-2,097	13,474	-3,528	-10,772	102,255
11	Foreign official institutions <sup>3</sup> .....	654	-6,075	4,228	-10,048	12,549	-13,261	6,666	44,242
12	Other foreigners .....	-6,758	-1,200	-16,438	-1,256	12,136	8,296	-26,310	241,373
	By type of U.S. reporting institution: <sup>4</sup>								
	U.S.-owned banks' claims on:								
13	Own foreign offices and unaffiliated foreign banks .....	22,127	13,944	-5,798	12,004	1,977	-10,135	28,666	239,715
14	Foreign official institutions and other foreigners .....	3,923	-4,972	3,010	11,134	-5,249	1,390	-4,811	38,225
	Foreign-owned banks' claims on:								
15	Own foreign offices and unaffiliated foreign banks .....	-44,001	-13,070	-32,795	49,835	-47,971	9,057	-43,742	640,127
16	Foreign official institutions and other foreigners .....	1,480	-641	1,936	-7,725	7,910	-8,296	-4,425	70,242
	Brokers' and dealers' claims on:								
17	Own foreign offices and unaffiliated foreign banks .....	2,721	-330	2,565	-4,102	4,588	-4,384	-5,861	82,807
18	Foreign official institutions and other foreigners .....	-11,507	-1,662	-17,156	-14,713	22,024	1,941	-10,408	177,148
19	Denominated in foreign currencies .....	10,166	-2,384	-4,528	5,297	11,781	-7,415	-1,643	90,927
	By instrument: <sup>2</sup>								
20	Deposits and brokerage balances .....						-19,041	-3,697	42,129
21	Other claims (including loans) .....						11,626	2,054	48,798
22	<b>Claims for customers' accounts</b> .....	-6,266	8,967	-16,488	1,269	-14	-9,953	-18,379	416,609
23	Denominated in dollars .....	-4,299	7,978	-17,282	5,896	-891	-5,588	-24,004	382,625
	By instrument: <sup>2</sup>								
24	Commercial paper <sup>5</sup> .....	-21,554	78	-7,758	-6,115	-7,759	-2,115	-4,320	144,528
25	Negotiable certificates of deposit .....						-10,393	-4,666	88,511
26	Other short-term instruments (including money market instruments) <sup>6</sup> .....	-6,324	3,884	-8,356	4,672	-6,524	487	-3,989	12,542
27	Deposits and brokerage balances (including sweep accounts) <sup>7</sup> .....	14,053	891	-1,455	7,267	7,350	5,621	-13,995	121,784
28	Other claims .....	9,526	3,125	287	72	6,042	812	2,966	15,260
29	Denominated in foreign currencies .....	-1,967	989	794	-4,627	877	-4,365	5,625	33,984
	By instrument: <sup>2</sup>								
30	Deposits and brokerage balances .....						2,979	560	4,742
31	Other claims .....						-7,344	5,065	29,242
	<b>Claims, total (line 1), by area:</b>								
32	Europe .....	-20,676	-34,553	-23,168	34,695	2,350	-8,164	-48,714	878,407
	Of which:								
33	United Kingdom .....	-8,034	3,688	-15,313	-4,680	8,271	-11,059	-40,464	461,303
34	Switzerland .....	-31,168	-26,235	176	12,247	-17,356	5,918	2,227	115,731
35	Canada .....	-5,239	-3,133	-6,721	1,689	2,926	-1,259	10,798	82,078
36	Caribbean financial centers <sup>8</sup> .....	1,933	34,714	-32,927	26,987	-26,841	-17,983	-26,136	577,762
37	Latin America, excluding Caribbean financial centers .....	16,218	590	3,162	7,217	5,249	6,487	1,552	66,973
38	Asia .....	-12,557	3,284	-10,500	-18,613	13,272	-5,882	3,503	123,630
39	Of which: Japan .....	-11,830	4,578	-5,291	-8,031	-3,086	-9,761	-6,869	72,103
40	Africa .....	133	7	5	116	5	19	371	4,414
41	Other .....	-1,169	-1,057	895	908	-1,915	-1,013	-1,977	22,536
	<b>Memoranda:</b>								
1	International banking facilities' (IBFs) own claims, denominated in dollars (in lines 1-16 above) .....	-9,155	-3,036	-13,004	22,103	-15,218	-4,676	-13,831	316,316
	By bank ownership: <sup>4</sup>								
2	U.S.-owned IBFs .....	16,519	19,808	-1,484	-1,490	-315	-12,430	-1,225	68,849
3	Foreign-owned IBFs .....	-25,674	-22,844	-11,520	23,593	-14,903	7,754	-12,606	247,467

See footnotes on pages 56 and 57.

**Table 10a. Liabilities to Foreigners, Except Foreign Official Agencies, Reported by U.S. Banks and Securities Brokers <sup>1</sup>**  
 (Millions of dollars)

Line	(Credits +; increase in U.S. liabilities. Debits -; decrease in U.S. liabilities.)	2002	Not seasonally adjusted						Amounts outstanding June 30, 2003
			2002				2003		
			I	II	III	IV	I <sup>P</sup>	II <sup>P</sup>	
1	<b>Liabilities reported by U.S. banks and securities brokers, total (table 1, part of line 65 and table 1, line 69)</b>	105,866	-2,271	28,902	25,469	53,766	17,248	35,104	1,761,262
2	U.S. Treasury bills and certificates (table 1, part of line 65).....	14,740	5,175	4,954	5,021	-410	525	1,859	41,520
3	<b>Other U.S. liabilities, total (table 1, line 69).....</b>	91,126	-7,446	23,948	20,448	54,176	16,723	33,245	1,719,742
4	<b>Liabilities for own accounts.....</b>	76,091	-13,310	23,605	8,243	57,553	25,410	12,149	1,442,342
5	Denominated in dollars.....	86,132	-8,562	16,879	15,946	61,869	19,588	29,647	1,367,901
	By instrument: <sup>2</sup>								
6	Repurchase agreements.....						29,294	18,799	292,334
7	Deposits and brokerage balances.....						9,131	44,551	830,077
8	Other liabilities (including loans).....						-18,837	-33,703	245,490
	By foreign holder:								
	Liabilities to:								
9	Own foreign offices.....	60,180	-11,820	15,492	-7,765	64,273	-25,672	37,838	968,335
10	Unaffiliated foreign banks.....	-4,697	2,534	-8,174	-6,133	7,076	3,243	-2,621	128,160
11	Other foreigners and international organizations.....	30,649	724	9,561	29,844	-9,480	42,017	-5,570	271,406
	By type of U.S. reporting institution: <sup>3</sup>								
	U.S.-owned banks' liabilities to:								
12	Own foreign offices and unaffiliated foreign banks.....	4,104	-37,257	17,793	-13,700	37,268	1,216	-38,840	392,060
13	Other foreigners and international organizations.....	-17,754	-4,512	-3,346	-10,883	987	-12,733	6,303	36,936
	Foreign-owned banks' liabilities to:								
14	Own foreign offices and unaffiliated foreign banks.....	42,322	20,495	-10,175	-6,319	38,321	-31,226	45,380	539,785
15	Other foreigners and international organizations.....	14,482	3,845	-359	10,823	173	9,899	-343	75,975
	Brokers' and dealers' liabilities to:								
16	Own foreign offices and unaffiliated foreign banks.....	9,057	7,476	-300	6,121	-4,240	7,581	28,677	164,650
17	Other foreigners and international organizations.....	33,921	1,391	13,266	29,904	-10,640	44,851	-11,530	158,495
18	Denominated in foreign currencies.....	-10,041	-4,748	6,726	-7,703	-4,316	5,822	-17,498	74,441
	By instrument: <sup>2</sup>								
19	Deposits and brokerage balances.....						2,934	-9,173	43,505
20	Other liabilities (including loans).....						2,888	-8,325	30,936
21	<b>Liabilities for customers' accounts.....</b>	15,035	5,864	343	12,205	-3,377	-8,687	21,096	277,400
22	Denominated in dollars.....	15,035	5,864	343	12,205	-3,377	-8,687	20,371	276,266
	By instrument: <sup>2</sup>								
23	Negotiable certificates of deposit and other short-term instruments.....	12,342	7,106	-1,803	9,560	-2,521	3,657	16,785	134,060
24	Other liabilities (including loans).....	2,693	-1,242	2,146	2,645	-856	-12,344	3,586	142,206
25	Denominated in foreign currencies.....							725	1,134
	By instrument: <sup>2</sup>								
26	Negotiable certificates of deposit and other short-term instruments.....							-16	
27	Other liabilities (including loans).....							741	1,134
	<b>Other U.S. liabilities, total (line 3), by area:</b>								
28	Europe.....	63,426	-1,024	3,064	20,268	41,118	-22,710	-9,629	594,552
29	Canada.....	-424	71	-195	440	-740	4,073	1,799	34,906
30	Caribbean financial centers <sup>4</sup> .....	37,550	-19,356	33,081	8,585	15,240	48,089	45,352	831,348
31	Latin America, excluding Caribbean financial centers.....	-871	1,838	-3,953	-101	1,345	-777	-1,928	77,335
32	Asia.....	-16,102	12,052	-13,109	-8,471	-6,574	-11,148	-10,284	144,806
33	Africa.....	753	385	74	-68	362	467	-203	6,499
34	Other.....	6,794	-1,412	4,986	-205	3,425	-1,271	8,138	30,296
	<b>Memoranda:</b>								
1	International banking facilities' (IBF's) own liabilities, denominated in dollars (in lines 3-15 above).....	17,111	11,771	3,968	-19,065	20,437	-61,647	6,675	348,786
	By bank ownership: <sup>3</sup>								
2	U.S.-owned IBF's.....	-9,639	-17,753	3,257	5,166	-309	-978	6,955	70,757
3	Foreign-owned IBF's.....	26,750	29,524	711	-24,231	20,746	-60,669	-280	278,029

See footnotes on pages 56 and 57.

Table 11. U.S. International

[Millions]

Line	(Credits +; debits -) <sup>1</sup>	Western Europe						European Union			
		2002	2002				2003		2002	2002	
			I	II	III	IV	I <sup>a</sup>	II <sup>a</sup>		I	II
<b>Current account</b>											
1	Exports of goods and services and income receipts .....	374,634	90,461	93,229	93,629	97,315	95,287	98,050	335,908	81,524	83,413
2	Exports of goods and services .....	262,765	63,888	65,093	64,674	69,110	67,424	68,710	238,406	58,136	59,056
3	Goods, balance of payments basis <sup>2</sup> .....	153,377	39,388	38,649	35,907	39,433	40,240	40,923	140,366	36,132	35,137
4	Services <sup>3</sup> .....	109,388	24,500	26,444	28,767	29,677	27,184	27,787	98,040	22,004	23,919
5	Transfers under U.S. military agency sales contracts <sup>4</sup> .....	3,062	691	656	824	891	748	826	2,242	590	489
6	Travel .....	20,487	4,088	4,964	5,914	5,521	4,331	4,538	18,804	3,714	4,562
7	Passenger fares .....	6,327	1,276	1,611	1,854	1,586	1,207	1,408	6,049	1,229	1,506
8	Other transportation .....	9,517	2,176	2,285	2,556	2,500	2,495	2,720	8,525	1,933	2,030
9	Royalties and license fees <sup>5</sup> .....	20,830	4,667	5,196	5,177	5,790	5,449	5,452	18,565	4,171	4,678
10	Other private services <sup>5</sup> .....	49,026	11,568	11,697	12,407	13,354	12,919	12,807	43,732	10,337	10,623
11	U.S. Government miscellaneous services .....	139	34	35	35	35	35	36	123	30	31
12	Income receipts .....	111,869	26,573	28,136	28,955	28,205	27,863	29,340	97,502	23,388	24,357
13	Income receipts on U.S.-owned assets abroad .....	111,565	26,498	28,061	28,878	28,128	27,786	29,260	97,246	23,325	24,294
14	Direct investment receipts .....	58,481	13,215	14,402	15,132	15,732	15,900	18,251	49,111	11,203	11,951
15	Other private receipts .....	52,133	13,019	13,483	13,483	12,148	11,466	10,744	47,314	11,903	12,188
16	U.S. Government receipts .....	951	264	176	263	248	420	265	821	219	155
17	Compensation of employees .....	304	75	75	77	77	77	80	256	63	63
18	Imports of goods and services and income payments .....	-471,445	-107,370	-121,580	-121,964	-120,531	-117,305	-125,113	-424,329	-96,654	-108,478
19	Imports of goods and services .....	-343,220	-76,959	-86,896	-88,289	-91,086	-85,912	-94,227	-311,268	-70,232	-78,263
20	Goods, balance of payments basis <sup>2</sup> .....	-245,909	-55,525	-61,747	-62,043	-66,594	-62,223	-66,886	-225,395	-51,453	-56,059
21	Services <sup>3</sup> .....	-97,311	-21,434	-25,139	-26,246	-24,492	-23,689	-27,341	-85,873	-18,779	-22,204
22	Direct defense expenditures .....	-9,937	-2,120	-2,198	-2,288	-2,331	-2,566	-2,602	-7,633	-1,796	-1,862
23	Travel .....	-19,452	-3,561	-5,950	-5,987	-3,954	-3,482	-5,352	-17,942	-3,261	-5,456
24	Passenger fares .....	-9,559	-1,990	-2,786	-2,759	-2,024	-1,993	-2,835	-9,841	-1,822	-2,571
25	Other transportation .....	-13,585	-2,941	-3,348	-3,616	-3,680	-3,863	-4,370	-11,569	-2,477	-2,840
26	Royalties and license fees <sup>5</sup> .....	-9,689	-2,085	-2,351	-2,482	-2,771	-2,309	-2,469	-7,616	-1,550	-1,877
27	Other private services <sup>5</sup> .....	-34,889	-8,450	-8,204	-8,809	-9,426	-9,187	-9,422	-31,244	-7,629	-7,339
28	U.S. Government miscellaneous services .....	-1,200	-287	-302	-305	-306	-289	-291	-1,028	-244	-259
29	Income payments .....	-128,225	-30,411	-34,694	-33,675	-29,445	-31,393	-30,886	-113,061	-26,422	-30,215
30	Income payments on foreign-owned assets in the United States .....	-127,859	-30,313	-34,608	-33,593	-29,345	-31,293	-30,797	-112,748	-26,340	-30,140
31	Direct investment payments .....	-31,572	-5,475	-9,422	-9,797	-6,878	-10,340	-11,038	-24,939	-5,511	-7,228
32	Other private payments .....	-75,885	-19,648	-19,874	-18,668	-17,695	-16,441	-15,502	-69,522	-18,178	-18,153
33	U.S. Government payments .....	-20,402	-5,190	-5,312	-5,128	-4,772	-4,512	-4,257	-18,287	-4,651	-4,759
34	Compensation of employees .....	-366	-98	-86	-82	-100	-100	-89	-313	-82	-75
35	Unilateral current transfers, net .....	1,756	882	620	239	15	-206	38	2,123	901	624
36	U.S. Government grants <sup>4</sup> .....	-657	-168	-171	-176	-142	-264	-211	-18	-	-
37	U.S. Government pensions and other transfers .....	-1,564	-393	-369	-364	-438	-377	-400	-1,335	-331	-331
38	Private remittances and other transfers <sup>6</sup> .....	3,977	1,443	1,160	779	595	435	649	3,476	1,241	955
<b>Capital and financial account</b>											
<b>Capital account</b>											
39	Capital account transactions, net .....	-380	-80	-78	-86	-136	-81	-80	-245	-60	-58
<b>Financial account</b>											
40	U.S.-owned assets abroad, net (Increase/financial outflow (-)) .....	-100,983	-70,166	-45,000	10,701	3,482	-69,228	-62,825	-51,070	-41,509	-31,526
41	U.S. official reserve assets, net .....	-573	-152	-129	-148	-144	-170	-154	-464	-152	-129
42	Gold <sup>7</sup> .....	-	-	-	-	-	-	-	-	-	-
43	Special drawing rights .....	-	-	-	-	-	-	-	-	-	-
44	Reserve position in the International Monetary Fund .....	-	-	-	-	-	-	-	-	-	-
45	Foreign currencies .....	-573	-152	-129	-148	-144	-170	-154	-464	-152	-129
46	U.S. Government assets, other than official reserve assets, net .....	517	260	142	-62	177	34	-7	315	155	69
47	U.S. credits and other long-term assets .....	-304	-	-	-297	-7	-404	-188	-122	-	-
48	Repayments on U.S. credits and other long-term assets <sup>8</sup> .....	869	259	115	281	214	414	165	455	155	40
49	U.S. foreign currency holdings and U.S. short-term assets, net .....	-48	1	27	-46	-30	24	16	-18	-	29
50	U.S. private assets, net .....	-100,927	-70,274	-45,013	10,911	3,449	-69,092	-62,664	-50,921	-41,512	-31,466
51	Direct investment .....	-64,652	-15,063	-17,490	-18,821	-13,278	-17,683	-21,156	-55,558	-12,581	-15,418
52	Foreign securities .....	6,859	8,109	-9,897	11,397	-2,750	-19,045	7,549	5,536	6,577	-10,373
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	-22,681	-29,453	6,410	-16,053	16,415	-24,501	-	-19,802	-29,714	16,707
54	U.S. claims reported by U.S. banks, not included elsewhere .....	-20,453	-33,867	-24,036	34,388	3,062	-7,863	-49,057	18,903	-5,794	-22,382
55	Foreign-owned assets in the United States, net (Increase/financial inflow (+)) .....	308,993	107,648	65,268	28,800	106,277	112,053	53,547	199,783	41,905	65,597
56	Foreign official assets in the United States, net .....	15,762	182	4,010	1,925	9,645	179	-6,546	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
57	U.S. Government securities .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
58	U.S. Treasury securities <sup>9</sup> .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
59	Other <sup>10</sup> .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
60	Other U.S. Government liabilities <sup>11</sup> .....	268	-70	86	443	-191	-186	-40	684	-71	167
61	U.S. liabilities reported by U.S. banks, not included elsewhere .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
62	Other foreign official assets <sup>12</sup> .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
63	Other foreign assets in the United States, net .....	293,231	107,466	61,258	27,875	96,632	111,874	60,093	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
64	Direct investment .....	22,526	10,874	3,709	4,186	3,757	31,559	6,046	19,516	8,430	282
65	U.S. Treasury securities .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )
66	U.S. securities other than U.S. Treasury securities .....	141,154	45,269	45,444	10,996	39,445	47,175	39,371	129,501	41,672	42,380
67	U.S. currency .....	-	-	-	-	-	-	-	-	-	-
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	34,729	40,273	10,800	-29,812	13,468	62,037	-	22,170	28,917	7,736
69	U.S. liabilities reported by U.S. banks, not included elsewhere .....	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	<sup>18</sup> 27,912	<sup>18</sup> -37,138	<sup>18</sup> 15,032
70	Statistical discrepancy (sum of above items with sign reversed) .....	-112,575	-21,375	7,541	-12,319	-86,422	-20,520	36,383	-62,170	13,893	-9,572
<b>Memoranda:</b>											
71	Balance on goods (lines 3 and 20) .....	-92,532	-16,137	-23,098	-26,136	-27,161	-21,983	-25,963	-85,029	-15,321	-20,922
72	Balance on services (lines 4 and 21) .....	12,077	3,066	1,305	2,521	5,185	3,495	446	12,167	3,225	1,715
73	Balance on goods and services (lines 2 and 19) .....	-80,455	-13,071	-21,793	-23,615	-21,976	-18,488	-25,517	-72,862	-12,096	-19,207
74	Balance on income (lines 12 and 29) .....	-16,356	-3,838	-6,558	-4,720	-1,240	-3,530	-1,546	-15,559	-3,034	-5,858
75	Unilateral current transfers, net (line 35) .....	1,756	882	620	239	15	-206	38	2,123	901	624
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) <sup>13</sup> .....	-95,055	-16,027	-27,731	-28,096	-23,201	-22,224	-27,025	-86,298	-14,229	-24,441

See footnotes on pages 56 and 57.

Transactions, by Area  
of dollars]

European Union <sup>14</sup>				United Kingdom								European Union (6) <sup>15</sup>								Line
2002		2003		2002	2002				2003				2002	2002				2003		
III	IV	I'	II P		I	II	III	IV	I'	II P	I	II		III	IV	I'	II P			
84,007	86,964	85,579	87,264	98,073	23,592	24,564	25,038	24,879	23,326	23,880	180,137	43,626	45,051	44,946	46,514	47,035	47,658	1		
58,732	62,482	61,050	61,915	64,335	15,379	16,327	16,245	16,384	16,083	16,311	131,132	31,977	32,395	32,320	34,440	34,001	34,405	2		
32,946	36,151	36,934	37,179	32,091	8,238	8,318	7,758	7,777	8,457	8,423	86,434	21,900	21,543	20,458	22,533	22,800	23,176	3		
25,786	26,331	24,116	24,736	32,244	7,141	8,009	8,487	8,607	7,626	7,888	44,698	10,077	10,852	11,862	11,907	11,201	11,229	4		
566	597	612	696	410	101	111	130	68	119	76	977	298	243	208	228	292	231	5		
5,444	5,084	3,955	4,171	8,177	1,682	1,942	2,248	2,305	1,779	1,776	7,452	1,386	1,831	2,315	1,920	1,490	1,674	6		
1,780	1,534	1,165	1,316	2,813	593	682	728	756	572	597	2,884	583	744	879	678	528	649	7		
2,322	2,240	2,218	2,372	1,932	424	469	520	519	512	574	4,597	1,042	1,092	1,240	1,223	1,166	1,257	8		
4,550	5,166	4,790	4,813	4,452	884	1,220	1,245	1,103	938	1,016	8,352	1,859	1,938	1,988	2,571	2,390	2,214	9		
11,093	11,679	11,345	11,336	14,444	3,453	3,581	3,558	3,852	3,702	3,845	20,350	4,889	4,986	5,210	5,265	5,314	5,183	10		
31	31	31	32	16	4	4	4	4	4	4	86	20	22	22	21	21	21	11		
25,275	24,482	24,529	25,349	33,738	8,213	8,237	8,793	8,495	7,243	7,569	49,005	11,649	12,656	12,626	12,074	13,034	13,253	12		
25,210	24,417	24,464	25,281	33,656	8,193	8,217	8,772	8,474	7,222	7,547	48,867	11,615	12,622	12,591	12,039	12,999	13,216	13		
12,711	13,246	13,774	15,278	11,389	2,687	2,565	2,987	3,150	2,541	3,097	29,051	6,583	7,454	7,472	7,542	8,501	9,053	14		
12,291	10,932	10,460	9,828	22,183	5,506	5,652	5,785	5,240	4,681	4,450	19,232	4,880	5,024	4,975	4,353	4,329	4,010	15		
208	239	230	175	84	.....	.....	84	.....	.....	.....	584	152	144	144	144	169	153	16		
65	65	65	68	82	.....	.....	20	.....	.....	.....	138	34	34	35	35	35	37	17		
-109,680	-109,517	-105,717	-111,825	-137,205	-31,610	-36,683	-34,307	-34,605	-34,120	-33,470	-212,625	-48,009	-52,381	-55,928	-56,307	-53,233	-57,676	18		
-80,081	-82,692	-78,153	-85,005	-67,818	-15,287	-17,506	-17,472	-17,553	-16,911	-17,843	-179,262	-40,683	-44,300	-46,050	-48,229	-44,738	-48,750	19		
-56,730	-61,153	-57,391	-61,271	-40,467	-9,095	-10,546	-10,328	-10,498	-10,114	-10,458	-134,845	-30,949	-32,883	-33,983	-37,030	-34,155	-36,482	20		
-23,351	-21,539	-20,762	-23,734	-27,351	-6,192	-6,960	-7,144	-7,055	-6,797	-7,385	-44,417	-9,734	-11,417	-12,067	-11,199	-10,583	-12,268	21		
-1,985	-1,990	-2,185	-2,221	-685	-156	-184	-176	-169	-200	-200	-6,402	-1,507	-1,550	-1,642	-1,703	-1,810	-1,846	22		
-5,546	-3,679	-3,251	-4,908	-5,561	-1,124	-1,467	-1,520	-1,450	-1,214	-1,319	-8,832	-1,583	-2,812	-2,812	-1,676	-1,455	-2,528	23		
-2,554	-1,894	-1,866	-2,617	-3,290	-706	-938	-903	-743	-701	-956	-3,584	-713	-1,074	-1,038	-759	-726	-1,094	24		
-3,132	-3,120	-3,241	-3,583	-2,657	-548	-674	-724	-750	-789	-6,006	-1,294	-1,475	-1,634	-1,603	-1,610	-1,795	-2,251	25		
-1,962	-2,227	-1,839	-1,969	-1,492	-369	-383	-366	-374	-395	-398	-5,290	-992	-1,298	-1,395	-1,605	-1,249	-1,351	26		
-7,910	-8,366	-8,134	-8,189	-13,586	-3,271	-3,294	-3,447	-3,574	-3,519	-3,705	-13,475	-3,449	-2,999	-3,386	-3,641	-3,535	-3,455	27		
-262	-263	-246	-247	-80	-18	-20	-21	-21	-18	-18	-828	-196	-209	-211	-212	-198	-199	28		
-29,599	-26,825	-27,564	-26,820	-69,387	-16,323	-19,177	-16,835	-17,052	-17,209	-15,627	-33,363	-7,326	-8,081	-9,878	-8,078	-8,495	-8,926	29		
-29,526	-26,742	-27,481	-26,743	-69,311	-16,303	-19,159	-16,817	-17,032	-17,189	-15,609	-33,155	-7,272	-8,031	-9,829	-8,023	-8,440	-8,874	30		
-7,822	-6,378	-6,391	-8,746	-12,382	-1,724	-4,318	-2,701	-3,639	-4,721	-3,793	-9,728	-961	-1,903	-4,093	-2,771	-3,539	-4,306	31		
-17,108	-16,083	-15,057	-14,216	-47,906	-12,563	-12,517	-11,711	-11,115	-10,280	-9,741	-17,475	-4,571	-4,560	-4,346	-3,998	-3,767	-3,512	32		
-4,596	-4,281	-4,033	-3,781	-9,023	-2,016	-2,324	-2,405	-2,278	-2,188	-2,075	-5,952	-1,740	-1,568	-1,390	-1,254	-1,134	-1,056	33		
-73	-83	-83	-77	-76	-20	-18	-18	-20	-20	-18	-208	-54	-50	-49	-55	-55	-52	34		
373	225	82	251	1,558	626	448	336	148	225	288	243	57	64	37	85	-97	-46	35		
-2	-7	-7	-5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36		
-333	-340	-338	-349	-234	-58	-58	-59	-59	-60	-57	-723	-179	-179	-179	-186	-183	-198	37		
708	572	427	605	1,792	684	506	395	207	285	345	966	236	243	219	271	86	152	38		
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
-65	-62	-60	-59	-39	-10	-9	-10	-10	-8	-8	-41	-9	-9	-12	-11	-11	-10	39		
-2,782	24,747	-72,372	-57,969	-44,348	-24,432	-19,158	-22,283	21,525	-56,822	-42,166	-10,598	-11,249	-16,945	17,006	590	-16,849	-10,441	40		
-97	-86	-120	-104	.....	.....	.....	.....	.....	.....	.....	-185	-99	-84	-2	.....	.....	.....	41		
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42		
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43		
-97	-86	-120	-104	.....	.....	.....	.....	.....	.....	.....	-185	-99	-84	-2	.....	.....	.....	44		
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45		
19	72	238	79	59	.....	.....	.....	.....	.....	.....	-6	.....	.....	.....	.....	.....	.....	46		
-122	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47		
154	106	207	69	66	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	48		
-13	-34	31	10	-7	.....	.....	.....	.....	.....	.....	-6	.....	.....	.....	.....	.....	.....	49		
-2,704	24,761	-72,490	-57,944	-44,407	-24,432	-19,174	-22,268	21,467	-56,822	-42,160	-10,390	-11,151	-16,863	17,008	616	-16,880	-10,441	50		
-16,466	-11,093	-17,123	-17,698	-18,876	-6,256	-5,054	-6,473	-1,093	-7,518	-3,923	-27,139	-5,650	-8,421	-6,338	-6,730	-7,107	-9,292	51		
11,524	-2,192	-17,769	7,028	-3,647	3,110	-11,904	8,210	-3,063	-17,009	2,227	5,614	1,367	878	1,829	1,540	-5,671	3,103	52		
-22,488	15,693	-24,008	-13,850	-24,974	13,097	-19,325	17,352	-25,236	-7,900	-277	-7,900	-277	387	-4,851	-3,159	1,147	.....	53		
24,726	22,353	-13,590	-47,274	-8,034	3,688	-15,313	-4,680	8,271	-11,059	-40,464	19,035	-6,591	-9,707	26,368	8,965	-5,249	-4,254	54		
22,309	69,972	126,889	45,261	161,555	28,387	67,055	24,521	41,592	110,122	6,609	8,666	3,875	-8,728	-7,734	21,253	9,627	26,630	55		
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	56	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	57	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	58	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	59	
406	182	-169	-23	-40	-18	-22	-31	31	-83	37	-71	-90	7	33	-21	-83	-44	60		
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	61	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	62	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	63	
7,171	3,633	24,169	4,879	14,850	5,389	-3,802	7,972	5,291	19,536	4,073	1,788	1,065	2,610	-2,298	411	3,747	1,866	64		
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	65	
9,447	35,907	43,330	37,324	101,430	29,948	35,896	8,927	26,659	34,651	26,954	21,746	7,997	4,272	458	9,019	7,420	3,314	66		
-24,819	10,336	62,145	21,934	20,482	6,580	-11,828	6,700	55,186	1,788	1,788	-1,873	8,555	844	-12,984	1,712	3,768	1,866	67		
30,104	19,914	-2,586	3,081	18,381	18,27,414	18,28,403	18,19,481	18,2,911	18,850	18,24,455	18,-12,924	18,-13,652	18,-16,461	18,7,057	18,10,132	18,5,275	18,21,406	68		
5,838	-72,329	-34,401	37,077	-7																

Table 11. U.S. International  
[Millions]

Line	(Credits +; debits -) <sup>1</sup>	Eastern Europe						Canada			
		2002	2002				2003		2002	2002	
			I	II	III	IV	I <sup>a</sup>	II <sup>b</sup>		I	II
<b>Current account</b>											
1	Exports of goods and services and income receipts .....	13,456	3,380	3,359	3,577	3,140	3,286	3,292	204,732	48,971	54,027
2	Exports of goods and services .....	11,023	2,703	2,793	2,764	2,763	2,725	2,697	185,364	44,522	49,175
3	Goods, balance of payments basis <sup>2</sup> .....	6,367	1,525	1,642	1,573	1,627	1,511	1,603	160,895	38,330	42,888
4	Services <sup>3</sup> .....	4,656	1,178	1,151	1,191	1,136	1,214	1,094	24,469	6,192	6,287
6	Transfers under U.S. military agency sales contracts <sup>4</sup> .....	503	119	155	121	108	105	92	87	20	25
6	Travel .....	1,206	240	339	345	282	255	310	6,268	1,664	1,834
7	Passenger fares .....	52	12	14	12	14	15	12	1,717	458	411
8	Other transportation .....	225	53	51	56	65	59	58	2,624	580	660
9	Royalties and license fees <sup>5</sup> .....	390	86	94	95	115	106	116	3,091	730	791
10	Other private services <sup>5</sup> .....	2,239	660	487	551	541	666	498	10,596	2,720	2,544
11	U.S. Government miscellaneous services .....	41	8	11	11	11	8	8	86	20	22
12	Income receipts .....	2,433	677	566	813	377	561	595	19,368	4,449	4,852
13	Income receipts on U.S.-owned assets abroad .....	2,377	663	552	799	363	547	581	19,285	4,428	4,832
14	Direct investment receipts .....	1,420	346	377	507	190	290	400	11,208	2,272	2,715
15	Other private receipts .....	631	179	166	148	138	131	121	8,077	2,156	2,117
16	U.S. Government receipts .....	326	138	9	144	35	126	60	.....	.....	.....
17	Compensation of employees .....	56	14	14	14	14	14	14	83	21	20
18	Imports of goods and services and income payments .....	-21,443	-3,895	-5,639	-5,765	-6,144	-5,900	-6,267	-234,543	-55,219	-60,996
19	Imports of goods and services .....	-17,865	-3,130	-4,801	-4,747	-5,187	-5,016	-5,387	-230,434	-54,249	-59,837
20	Goods, balance of payments basis <sup>2</sup> .....	-14,884	-2,559	-3,820	-3,927	-4,578	-4,485	-4,442	-211,761	-50,619	-55,093
21	Services <sup>3</sup> .....	-2,981	-571	-981	-820	-609	-531	-945	-18,673	-3,630	-4,744
22	Direct defense expenditures .....	-175	-36	-47	-43	-49	-38	-38	-83	-18	-18
23	Travel .....	-1,333	-216	-536	-386	-195	-179	-482	-6,489	-966	-1,627
24	Passenger fares .....	-425	-75	-151	-123	-76	-66	-154	-594	-124	-179
25	Other transportation .....	-173	-34	-42	-46	-51	-36	-47	-3,589	-818	-929
26	Royalties and license fees <sup>5</sup> .....	-90	-33	-17	-18	-22	-18	-16	-1,048	-197	-287
27	Other private services <sup>5</sup> .....	-728	-162	-174	-190	-202	-179	-193	-6,693	-1,462	-1,660
28	U.S. Government miscellaneous services .....	-57	-15	-14	-14	-14	-15	-15	-177	-45	-44
29	Income payments .....	-3,578	-765	-838	-1,018	-957	-884	-880	-4,109	-970	-1,159
30	Income payments on foreign-owned assets in the United States .....	-3,513	-746	-824	-1,005	-938	-865	-865	-3,804	-892	-1,085
31	Direct investment payments .....	-1,343	-241	-284	-427	-391	-395	-411	1,213	397	256
32	Other private payments .....	-698	-168	-178	-186	-166	-122	-135	-3,804	-928	-993
33	U.S. Government payments .....	-1,472	-337	-362	-381	-348	-348	-319	-1,213	-361	-348
34	Compensation of employees .....	-65	-19	-14	-13	-19	-15	-15	-305	-78	-74
35	Unilateral current transfers, net .....	-4,414	-1,030	-1,136	-1,186	-1,062	-1,037	-1,087	-590	-182	-127
36	U.S. Government grants <sup>6</sup> .....	-1,821	-382	-515	-507	-417	-349	-429	.....	.....	.....
37	U.S. Government pensions and other transfers .....	-56	-13	-14	-14	-15	-15	-11	-537	-133	-134
38	Private remittances and other transfers <sup>6</sup> .....	-2,537	-635	-607	-665	-630	-673	-647	-53	-49	7
<b>Capital and financial account</b>											
<b>Capital account</b>											
39	Capital account transactions, net .....	-199	-49	-49	-52	-49	-55	-51	133	30	24
<b>Financial account</b>											
40	U.S.-owned assets abroad, net (increase/financial outflow (-)) .....	-1,042	-1,081	839	-790	-10	315	67	-12,746	-7,845	-5,705
41	U.S. official reserve assets, net .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Gold <sup>7</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net .....	102	45	-21	15	63	58	-41	.....	.....	.....
47	U.S. credits and other long-term assets .....	-291	-6	-40	-237	-8	-12	-78	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets <sup>8</sup> .....	393	51	19	252	71	70	37	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	U.S. private assets, net .....	-1,144	-1,126	860	-805	-73	257	108	-12,746	-7,845	-5,705
51	Direct investment .....	-2,114	-940	-445	-515	-214	549	-664	-12,889	-7,377	-4,270
52	Foreign securities .....	1,123	465	357	-550	851	135	429	4,801	280	3,909
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	70	35	80	-47	2	-126	.....	581	2,385	1,377
54	U.S. claims reported by U.S. banks, not included elsewhere .....	-223	-686	868	307	-712	-301	343	-5,239	-3,133	-6,721
55	Foreign-owned assets in the United States, net (increase/financial inflow (+)) .....	18,337	1,209	8,979	6,992	1,157	4,332	8,288	2,219	9,233	-5,317
56	Foreign official assets in the United States, net .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	-2,333	868	-3,199
57	U.S. Government securities .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
58	U.S. Treasury securities <sup>9</sup> .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
59	Other <sup>10</sup> .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
60	Other U.S. Government liabilities <sup>11</sup> .....	140	32	56	38	14	12	98	28	.....	14
61	U.S. liabilities reported by U.S. banks, not included elsewhere .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
62	Other foreign official assets <sup>12</sup> .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
63	Other foreign assets in the United States, net .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	4,552	8,365	-2,118
64	Direct investment .....	3,423	261	1,706	2,075	-619	-1,152	-194	-3,576	496	-4,946
65	U.S. Treasury securities .....	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>18</sup> )	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
66	U.S. securities other than U.S. Treasury securities .....	-2,341	-183	-402	-599	-1,157	-1,254	-1,468	8,659	6,947	2,760
67	U.S. currency .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	20	126	206	-328	16	-110	.....	4,082	1,722	1,719
69	U.S. liabilities reported by U.S. banks, not included elsewhere .....	<sup>18</sup> 17,095	<sup>18</sup> 973	<sup>18</sup> 7,413	<sup>18</sup> 5,806	<sup>18</sup> 2,903	<sup>18</sup> 6,836	<sup>18</sup> 9,852	( <sup>17</sup> )	( <sup>17</sup> )	( <sup>17</sup> )
70	Statistical discrepancy (sum of above items with sign reversed) .....	-4,695	1,466	-6,353	-2,776	2,968	-941	-4,242	40,795	5,012	18,094
<b>Memoranda:</b>											
71	Balance on goods (lines 3 and 20) .....	-8,517	-1,034	-2,178	-2,354	-2,951	-2,974	-2,839	-50,866	-12,289	-12,205
72	Balance on services (lines 4 and 21) .....	1,675	607	170	371	527	683	149	5,796	2,562	1,543
73	Balance on goods and services (lines 2 and 19) .....	-6,842	-427	-2,008	-1,983	-2,424	-2,291	-2,690	-45,070	-9,727	-10,662
74	Balance on income (lines 12 and 29) .....	-1,145	-88	-272	-205	-580	-323	-285	15,259	3,479	3,683
75	Unilateral current transfers, net (line 35) .....	-4,414	-1,030	-1,136	-1,186	-1,062	-1,037	-1,087	-590	-182	-127
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) <sup>13</sup> .....	-12,401	-1,545	-3,416	-3,374	-4,066	-3,651	-4,062	-30,401	-6,430	-7,096

See footnotes on pages 56 and 57.



Transactions, by Area—Continued  
of dollars]

Canada				Latin America and Other Western Hemisphere								Japan						Line	
2002		2003		2002	2002				2003		2002	2002				2003			
III	IV	I <sup>r</sup>	II <sup>p</sup>		I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>		I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>		
49,827	51,907	52,766	56,109	241,300	57,136	60,871	62,312	60,981	56,612	57,905	92,656	22,848	22,701	24,621	22,486	22,738	23,193	1	
44,833	46,834	47,662	51,088	200,795	47,454	50,331	51,241	51,769	47,163	48,722	80,057	19,376	19,543	21,261	19,877	19,600	20,150	2	
38,834	40,843	41,177	44,810	147,944	34,638	37,421	37,544	38,341	35,022	36,071	49,664	12,199	12,323	12,965	12,177	12,179	12,888	3	
5,999	5,991	6,485	6,278	52,851	12,816	12,910	13,697	13,428	12,141	12,651	30,393	7,177	7,220	8,296	7,700	7,421	7,262	4	
29	13	44	57	379	107	88	94	90	114	102	617	97	148	170	202	151	120	5	
1,447	1,323	1,803	1,725	18,236	4,170	4,409	5,029	4,628	3,597	4,234	8,492	1,879	1,949	2,503	2,161	1,913	1,781	6	
443	405	483	389	4,726	1,152	1,152	1,257	1,165	955	1,012	2,809	611	694	889	615	534	602	7	
674	710	665	658	3,296	821	791	832	852	842	917	2,825	655	670	724	776	753	789	8	
767	803	809	837	3,739	852	939	1,021	927	891	906	6,349	1,550	1,575	1,604	1,620	1,592	1,626	9	
2,617	2,715	2,660	2,591	22,306	5,672	5,489	5,422	5,723	5,698	5,436	9,210	2,360	2,162	2,384	2,304	2,452	2,318	10	
22	22	21	21	169	42	42	42	43	44	44	91	25	22	22	22	26	26	11	
4,994	5,073	5,104	5,021	40,505	9,682	10,540	11,071	9,212	9,449	9,183	12,599	3,472	3,158	3,360	2,609	3,138	3,043	12	
4,973	5,052	5,081	4,997	40,300	9,631	10,489	11,019	9,161	9,396	9,129	12,528	3,455	3,140	3,342	2,591	3,120	3,025	13	
2,978	3,243	3,295	3,386	16,990	3,624	4,354	5,092	3,920	4,262	4,051	6,898	2,103	1,715	1,852	1,228	1,679	1,692	14	
1,995	1,809	1,786	1,611	22,939	5,936	6,027	5,843	5,133	5,067	5,024	5,629	1,351	1,425	1,490	1,363	1,440	1,332	15	
				371	71	108	84	108	67	54	1					1	1	16	
21	21	23	24	205	51	51	52	51	53	54	71	17	18	18	18	18	18	17	
-59,273	-59,055	-61,875	-63,552	-290,261	-67,768	-73,840	-75,507	-73,146	-73,131	-75,934	-173,212	-38,797	-43,155	-44,711	-46,549	-40,039	-40,783	18	
-58,412	-57,936	-60,312	-61,400	-245,465	-55,774	-61,778	-64,026	-63,887	-61,836	-65,042	-140,366	-32,992	-34,616	-35,295	-37,463	-33,756	-34,021	19	
-52,403	-53,646	-56,339	-56,879	-205,014	-45,964	-51,700	-53,840	-53,510	-51,404	-54,199	-121,428	-28,566	-29,956	-30,387	-32,519	-28,953	-29,246	20	
-6,009	-4,290	-3,973	-4,521	-40,451	-9,810	-10,078	-10,186	-10,377	-10,432	-10,843	-18,938	-4,426	-4,660	-4,908	-4,944	-4,803	-4,775	21	
-19	-28	-19	-18	-343	-60	-92	-87	-104	-83	-90	-1,487	-367	-365	-379	-376	-391	-400	22	
-2,788	-1,108	-962	-1,356	-17,314	-4,451	-4,070	-4,350	-4,443	-4,572	-4,566	-2,874	-626	-823	-695	-730	-588	-613	23	
-172	-119	-87	-107	-2,665	-591	-681	-696	-697	-706	-848	-1,051	-240	-278	-270	-263	-241	-232	24	
-939	-903	-865	-921	-3,407	-823	-898	-842	-844	-927	-959	-4,169	-914	-1,001	-1,114	-1,140	-1,130	-1,110	25	
-332	-232	-198	-207	-1,555	-226	-587	-397	-345	-329	-343	-4,997	-1,257	-1,123	-1,393	-1,224	-1,392	-1,322	26	
-1,715	-1,856	-1,797	-1,867	-14,652	-3,526	-3,622	-3,688	-3,816	-3,681	-3,902	-4,221	-973	-1,040	-1,027	-1,181	-1,012	-1,049	27	
-44	-44	-45	-45	-515	-133	-128	-128	-128	-134	-135	-139	-49	-30	-30	-30	-49	-49	28	
-861	-1,119	-1,563	-2,152	-44,796	-11,994	-12,062	-11,481	-9,259	-11,295	-10,892	-32,846	-5,805	-8,539	-9,416	-9,086	-6,283	-6,762	29	
-788	-1,039	-1,479	-2,069	-37,945	-10,428	-10,369	-9,711	-7,437	-9,772	-9,236	-32,767	-5,782	-8,522	-9,401	-9,062	-6,259	-6,745	30	
490	70	-366	-1,020	254	-862	-396	26	1,486	-805	-732	-7,521	369	-1,815	-3,067	-3,008	-515	-1,168	31	
-997	-886	-919	-873	-29,038	-7,447	-7,626	-7,344	-6,621	-6,605	-6,261	-7,005	-1,573	-2,147	-1,698	-1,587	-1,468	-1,317	32	
-281	-223	-194	-176	-9,161	-2,347	-2,393	-2,302	-2,262	-2,243	-18,241	-4,578	-4,560	-4,636	-4,467	-4,276	-4,260	-33	33	
-73	-80	-84	-83	-6,851	-1,566	-1,693	-1,770	-1,822	-1,623	-1,656	-79	-23	-17	-15	-24	-24	-17	34	
-154	-127	-145	-125	-23,298	-5,488	-5,607	-6,014	-6,189	-6,335	-6,549	492	-3	195	128	172	141	162	35	
				-1,892	-480	-454	-489	-469	-501	-668								36	
-135	-135	-136	-151	-809	-205	-181	-175	-248	-186	-196	-131	-32	-33	-33	-34	-34	-26	37	
-19	8	-9	26	-20,597	-4,803	-4,972	-5,350	-5,472	-5,648	-5,685	623	29	228	161	303	175	188	38	
41	38	28	24	-8	-2	5	-13	2	-57	-6	19	4	5	5	5	6	6	39	
-4,202	5,006	-400	7,800	-880	61,873	-58,682	33,746	-37,817	-18,193	-41,824	-25,871	-764	-9,080	-2,126	-13,901	-12,088	-7,375	40	
											-1	-1						41	
																		42	
																		43	
																		44	
																		45	
				173	43	44	107	-21	173	94	-6	1	-7	6	-6	8	2	46	
				-545	-99	-106	-168	-172	-68	-68								47	
				737	149	142	305	141	248	164								48	
				-19	-7	8	-30	10	-7	-2								49	
-4,202	5,006	-400	7,800	-1,053	61,830	-58,726	33,639	-37,796	-18,366	-41,918	-25,864	-764	-9,073	-2,132	-13,895	-12,096	-7,377	50	
-2,726	1,484	-2,807	-5,164	-8,610	-1,695	-3,082	-3,225	-608	-7,307	306	-4,481	-1,941	-1,369	-399	-772	-893	-248	51	
1,378	-766	4,195	2,166	-858	-262	-1,121	-314	739	-12,693	-3,293	-9,006	-3,028	-3,665	3,000	-8,613	-1,102	-260	52	
-4,543	1,362	-529		-9,636	28,483	-24,758	2,974	-16,335	13,130	-14,347	-547	-373	-2,048	3,298	-1,424	-340		53	
1,689	2,926	-1,259	10,798	18,151	35,304	-29,765	34,204	-21,592	-11,496	-24,584	-11,830	4,578	-5,291	-8,031	-3,086	-9,761	-6,869	54	
-400	-1,297	10,168	11,630	133,419	-5,529	67,705	31,357	39,886	62,743	99,615	84,068	-384	38,358	39,993	6,101	24,922	44,635	55	
-995	993	-1,262	122	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	56	
(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	57	
(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	58	
(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	59	
3	11	-12	-22	45	8	17	-7	27	-5	25	-282	-114	-59	80	-189	-176	20	60	
(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	61	
(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	62	
595	-2,290	11,430	11,508	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	63	
773	101	325	1,971	-1,191	861	-5,471	-639	4,058	960	1,814	4,966	-5,306	2,099	3,953	4,222	-1,995	1,436	64	
(17)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	65	
933	-1,981	2,566	4,119	52,685	14,250	25,292	4,261	8,882	-1,709	37,358	49,230	-3,628	22,494	16,608	13,756	5,379	5,745	66	
																			67
816	-175	4,666		30,207	3,082	10,321	18,503	-1,699	5,890	8,856	-339	1,386	-1,393	1,582	-1,914	-39		68	
(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(17)	69	
14,161	3,528	-542	-11,886	-60,272	-40,222	9,548	-45,881	16,283	-21,639	-33,207	21,848	17,096	-9,024	-17,910	31,686	4,320	-19,838	70	
-13,569	-12,803	-15,162	-12,069	-57,070	-11,326	-14,279	-16,296	-15,169	-16,382	-18,128	-71,764	-16,367	-17,633	-17,422	-20,342	-16,774	-16,358	71	
-10	1,701	2,512	1,757	12,400	3,006	2,832	3,511	3,051	1,709	1,808	11,455	2,751	2,560	3,388	2,756	2,487	72		
-13,579																			

Table 11. U.S. International  
[Millions]

Line	(Credits +; debits -) <sup>1</sup>	Australia						
		2002	2002				2003	
			I	II	III	IV	I <sup>2</sup>	II <sup>2</sup>
<b>Current account</b>								
1	<b>Exports of goods and services and income receipts</b>	<b>22,653</b>	<b>5,105</b>	<b>5,572</b>	<b>6,096</b>	<b>5,880</b>	<b>5,283</b>	<b>5,841</b>
2	Exports of goods and services	18,149	4,069	4,569	4,802	4,709	4,075	4,576
3	Goods, balance of payments basis <sup>2</sup>	12,760	2,833	3,228	3,368	3,331	2,766	3,154
4	Services <sup>3</sup>	5,389	1,236	1,341	1,434	1,378	1,309	1,422
5	Transfers under U.S. military agency sales contracts <sup>4</sup>	176	43	43	42	48	57	43
6	Travel	1,473	298	385	420	370	317	352
7	Passenger fares	339	104	91	77	67	66	79
8	Other transportation	292	65	73	74	80	73	89
9	Royalties and license fees <sup>5</sup>	834	182	200	235	217	207	245
10	Other private services <sup>5</sup>	2,264	542	546	583	593	587	612
11	U.S. Government miscellaneous services	11	2	3	3	3	2	2
12	Income receipts	4,504	1,036	1,003	1,294	1,171	1,208	1,265
13	Income receipts on U.S.-owned assets abroad	4,480	1,030	997	1,288	1,165	1,201	1,258
14	Direct investment receipts	2,612	555	515	809	733	768	850
15	Other private receipts	1,868	475	482	479	432	433	408
16	U.S. Government receipts							
17	Compensation of employees	24	6	6	6	6	7	7
18	<b>Imports of goods and services and income payments</b>	<b>-11,356</b>	<b>-2,386</b>	<b>-2,918</b>	<b>-3,014</b>	<b>-3,038</b>	<b>-2,856</b>	<b>-2,826</b>
19	Imports of goods and services	-9,539	-2,205	-2,371	-2,508	-2,455	-2,212	-2,332
20	Goods, balance of payments basis <sup>2</sup>	-6,446	-1,385	-1,668	-1,753	-1,640	-1,415	-1,594
21	Services <sup>3</sup>	-3,093	-820	-703	-755	-815	-797	-738
22	Direct defense expenditures	-119	-24	-29	-34	-32	-26	-26
23	Travel	-997	-300	-207	-244	-246	-267	-194
24	Passenger fares	-641	-188	-147	-142	-164	-176	-187
25	Other transportation	-192	-55	-47	-45	-45	-52	-44
26	Royalties and license fees <sup>5</sup>	-76	-14	-17	-16	-29	-15	-18
27	Other private services <sup>5</sup>	-1,029	-230	-246	-264	-289	-252	-260
28	U.S. Government miscellaneous services	-39	-9	-10	-10	-10	-9	-9
29	Income payments	-1,817	-181	-547	-506	-583	-644	-494
30	Income payments on foreign-owned assets in the United States	-1,805	-178	-544	-503	-580	-640	-491
31	Direct investment payments	-777	52	-300	-227	-302	-372	-226
32	Other private payments	-594	-132	-140	-160	-162	-159	-152
33	U.S. Government payments	-434	-98	-104	-116	-116	-109	-113
34	Compensation of employees	-12	-3	-3	-3	-3	-4	-3
35	<b>Unilateral current transfers, net</b>	<b>-238</b>	<b>-62</b>	<b>-62</b>	<b>-59</b>	<b>-55</b>	<b>-64</b>	<b>-64</b>
36	U.S. Government grants <sup>4</sup>							
37	U.S. Government pensions and other transfers	-52	-13	-13	-13	-13	-13	-14
38	Private remittances and other transfers <sup>6</sup>	-186	-49	-49	-46	-42	-51	-50
<b>Capital and financial account</b>								
<b>Capital account</b>								
39	<b>Capital account transactions, net</b>	<b>-24</b>	<b>-6</b>	<b>-6</b>	<b>-6</b>	<b>-6</b>	<b>-6</b>	<b>-6</b>
<b>Financial account</b>								
40	<b>U.S.-owned assets abroad, net (Increase/financial outflow (-))</b>	<b>-5,165</b>	<b>-4,618</b>	<b>-626</b>	<b>2,358</b>	<b>-2,279</b>	<b>1,051</b>	<b>-4,911</b>
41	U.S. official reserve assets, net							
42	Gold <sup>7</sup>							
43	Special drawing rights							
44	Reserve position in the International Monetary Fund							
45	Foreign currencies							
46	U.S. Government assets, other than official reserve assets, net							
47	U.S. credits and other long-term assets							
48	Repayments on U.S. credits and other long-term assets <sup>8</sup>							
49	U.S. foreign currency holdings and U.S. short-term assets, net							
50	U.S. private assets, net	-5,165	-4,618	-626	2,358	-2,279	1,051	-4,911
51	Direct investment	-3,726	-3,188	239	106	-883	-1,276	-601
52	Foreign securities	457	-203	-370	904	126	369	-1,907
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-2,880	-2,071	504	993	-2,306	1,499	
54	U.S. claims reported by U.S. banks, not included elsewhere	984	844	-999	355	784	459	-2,403
55	<b>Foreign-owned assets in the United States, net (Increase/financial inflow (+))</b>	<b>19,574</b>	<b>7,194</b>	<b>4,980</b>	<b>5,380</b>	<b>2,020</b>	<b>-3,365</b>	<b>11,514</b>
56	Foreign official assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities <sup>9</sup>	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other <sup>10</sup>	(18)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities <sup>11</sup>	99	34	30	29	6	-9	11
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign assets <sup>12</sup>	(18)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	4,262	650	3,018	1,114	-520	1,104	671
65	U.S. Treasury securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	7,703	2,148	936	4,124	495	-2,708	776
67	U.S. currency							
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	314	150	688	-794	270	715	
69	U.S. liabilities reported by U.S. banks, not included elsewhere	18 7,196	18 4,212	18 308	18 907	18 1,769	18 -2,467	18 10,056
70	<b>Statistical discrepancy (sum of above items with sign reversed)</b>	<b>-25,444</b>	<b>-5,227</b>	<b>-6,940</b>	<b>-10,755</b>	<b>-2,522</b>	<b>-43</b>	<b>-9,548</b>
<b>Memoranda:</b>								
71	Balance on goods (lines 3 and 20)	6,314	1,448	1,560	1,615	1,691	1,351	1,560
72	Balance on services (lines 4 and 21)	2,296	416	638	679	563	512	684
73	Balance on goods and services (lines 2 and 19)	8,610	1,864	2,198	2,294	2,254	1,863	2,244
74	Balance on income (lines 12 and 29)	2,612	855	456	788	588	564	771
75	Unilateral current transfers, net (line 35)	-238	-62	-62	-59	-55	-64	-64
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) <sup>13</sup>	11,059	2,657	2,592	3,023	2,787	2,363	2,951

See footnotes on pages 56 and 57.

Transactions, by Area—Continued  
of dollars]

2002	Other countries in Asia and Africa						International organizations and unallocated <sup>16</sup>								Line
	2002				2003		2002	2002				2003			
	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>		I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>		
244,353	57,827	61,564	63,756	61,206	62,650	60,192	35,865	9,219	8,866	8,949	8,831	8,954	8,794	1	
209,463	49,667	52,694	54,796	52,306	53,738	52,345	6,491	1,934	1,506	1,495	1,556	1,555	1,587	2	
150,867	34,872	38,851	38,823	38,321	38,285	38,229	.....	.....	.....	.....	.....	.....	.....	3	
58,596	14,795	13,843	15,973	13,985	15,453	14,116	6,491	1,934	1,506	1,495	1,556	1,555	1,587	4	
7,119	1,708	1,636	2,138	1,637	1,608	1,783	.....	.....	.....	.....	.....	.....	.....	5	
10,385	2,140	2,852	3,171	2,222	2,070	2,606	.....	.....	.....	.....	.....	.....	.....	6	
1,076	259	308	299	210	184	266	.....	.....	.....	.....	.....	.....	.....	7	
9,709	2,252	2,401	2,581	2,475	2,421	2,508	678	182	173	149	174	180	202	8	
6,545	1,530	1,628	1,669	1,718	1,636	1,688	2,364	542	589	600	633	607	615	9	
23,504	6,842	4,954	6,050	5,658	7,468	5,200	3,449	1,210	744	746	749	768	770	10	
258	64	64	65	65	66	65	.....	.....	.....	.....	.....	.....	.....	11	
34,890	8,160	8,870	8,960	8,900	8,912	7,847	29,374	7,285	7,360	7,454	7,275	7,399	7,207	12	
34,490	8,061	8,770	8,860	8,799	8,809	7,745	27,354	6,757	6,864	6,957	6,776	6,887	6,692	13	
27,229	6,162	6,965	7,043	7,059	7,264	6,408	18,095	4,397	4,495	4,573	4,630	4,666	4,682	14	
6,083	1,583	1,599	1,535	1,366	1,273	1,174	8,783	2,251	2,261	2,252	2,019	2,104	1,907	15	
1,178	316	206	282	374	272	163	476	109	108	132	127	117	103	16	
400	99	100	100	101	103	102	2,020	528	496	497	499	512	515	17	
-431,475	-93,348	-106,170	-117,339	-114,618	-110,888	-117,610	-17,922	-4,654	-4,455	-4,390	-4,423	-4,518	-2,155	18	
-401,710	-85,698	-98,505	-109,780	-107,727	-104,119	-108,685	-3,546	-1,220	-834	-709	-783	-840	-1,046	19	
-359,304	-76,114	-87,886	-98,720	-96,584	-93,355	-97,778	.....	.....	.....	.....	.....	.....	.....	20	
-42,406	-9,584	-10,619	-11,060	-11,143	-10,764	-10,907	-3,546	-1,220	-834	-709	-783	-840	-1,046	21	
-8,101	-1,769	-1,919	-2,140	-2,273	-2,551	-2,826	.....	.....	.....	.....	.....	.....	.....	22	
-9,585	-2,310	-2,593	-2,480	-2,202	-2,146	-1,832	.....	.....	.....	.....	.....	.....	.....	23	
-5,034	-1,214	-1,253	-1,268	-1,299	-1,210	-1,149	.....	.....	.....	.....	.....	.....	.....	24	
-11,612	-2,435	-2,840	-3,109	-3,228	-2,858	-3,003	-1,800	-400	-472	-427	-501	-572	-772	25	
-183	-33	-43	-44	-63	-60	-56	-1,620	-762	-340	-259	-259	-243	-248	26	
-7,099	-1,621	-1,774	-1,823	-1,881	-1,736	-1,837	-125	-57	-22	-23	-23	-24	-25	27	
-792	-202	-197	-196	-197	-203	-204	-1	-1	.....	.....	.....	-1	-1	28	
-29,765	-7,650	-7,665	-7,559	-6,891	-6,769	-8,925	-14,376	-3,434	-3,621	-3,681	-3,640	-3,678	-1,109	29	
-29,039	-7,438	-7,512	-7,425	-6,664	-6,542	-8,763	-14,376	-3,434	-3,621	-3,681	-3,640	-3,678	-1,109	30	
-109	-33	37	-185	72	-29	-2,575	-9,603	-2,281	-2,379	-2,450	-2,493	-2,510	.....	31	
-7,387	-1,834	-1,950	-1,879	-1,724	-1,696	-1,608	-3,324	-782	-865	-870	-807	-835	-790	32	
-21,543	-5,571	-5,599	-5,361	-5,012	-4,817	-4,580	-1,449	-371	-377	-361	-340	-333	-319	33	
-726	-212	-153	-134	-227	-227	-162	.....	.....	.....	.....	.....	.....	.....	34	
-25,391	-8,724	-4,977	-5,198	-6,492	-8,388	-7,415	-7,170	-1,843	-1,740	-1,528	-2,059	-1,541	-1,657	35	
-11,993	-5,197	-1,898	-1,671	-3,227	-4,552	-4,106	-734	-170	-249	-232	-83	-147	-206	36	
-823	-128	-131	-131	-133	-134	-136	-1,453	-413	-130	-58	-852	-142	-274	37	
-12,875	-3,399	-2,948	-3,396	-3,132	-3,702	-3,173	-4,983	-1,260	-1,361	-1,238	-1,124	-1,252	-1,177	38	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
-826	-174	-187	-253	-212	-223	-212	.....	.....	.....	.....	.....	.....	.....	39	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
-12,186	-10,427	-7,524	-8,782	14,547	-197	13,226	-20,112	-4,670	-4,973	-4,009	-6,460	-5,163	-13,570	40	
.....	.....	.....	.....	.....	.....	.....	-3,107	543	-1,714	-1,268	-668	253	-16	41	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42	
.....	.....	.....	.....	.....	.....	.....	-475	-109	-107	-132	-127	897	-102	43	
.....	.....	.....	.....	.....	.....	.....	-2,632	652	-1,607	-1,136	-541	-644	86	44	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45	
260	88	146	158	-132	-80	-110	-1,078	-304	-262	-251	-261	-263	-261	46	
-3,393	-444	-157	-422	-2,370	-1,831	-333	-1,078	-304	-262	-251	-261	-263	-261	47	
3,685	535	290	614	2,246	1,740	308	.....	.....	.....	.....	.....	.....	.....	48	
-32	-3	13	-34	-8	11	-85	.....	.....	.....	.....	.....	.....	.....	49	
-12,446	-10,515	-7,670	-8,940	14,679	-117	13,336	-15,927	-4,909	-2,997	-2,490	-5,531	-5,153	-13,293	50	
-23,269	-6,953	-6,731	-4,286	-5,299	-2,894	-2,558	-18,095	-4,397	-4,495	-4,573	-4,630	-4,666	-4,682	51	
11,413	-397	1,535	5,470	4,805	979	4,642	1,112	403	109	356	244	16	-86	52	
3,215	-892	2,225	1,516	366	-1,131	.....	-2	.....	.....	.....	-2	.....	-8,442	53	
-3,805	-2,273	-4,699	-11,640	14,807	2,929	11,252	1,058	-915	1,389	1,727	-1,143	-503	-83	54	
102,805	23,519	28,517	24,695	26,074	24,886	26,469	37,568	3,185	15,598	4,312	14,473	6,120	1,914	55	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	18	13	.....	5	.....	168	25	56	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....	.....	.....	.....	.....	57	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....	.....	.....	.....	.....	58	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....	.....	.....	.....	.....	59	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....	.....	.....	.....	.....	60	
-179	-500	221	-127	227	-229	-149	18	13	.....	5	.....	168	25	61	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	.....	.....	.....	.....	.....	.....	.....	62	
(18)	(18)	(18)	(18)	(18)	(18)	(18)	37,550	3,172	15,598	4,307	14,473	5,952	1,889	63	
-382	-248	-104	938	-968	930	233	9,603	2,281	2,379	2,450	2,493	2,510	2,499	64	
34,589	9,595	7,911	9,895	7,188	6,235	977	-187	63	-248	-338	336	-110	-353	65	
.....	.....	.....	.....	.....	.....	.....	21,513	4,525	7,183	2,556	7,249	4,927	1,458	66	
3,107	2	2,278	1,930	-1,103	1,689	.....	22	30	-9	1	.....	.....	-5,667	67	
<sup>18</sup> 65,670	<sup>18</sup> 14,670	<sup>18</sup> 18,211	<sup>18</sup> 12,059	<sup>18</sup> 20,730	<sup>18</sup> 16,261	<sup>18</sup> 25,408	<sup>18</sup> 6,599	<sup>18</sup> -3,727	<sup>18</sup> 6,293	<sup>18</sup> -362	<sup>18</sup> 4,395	<sup>18</sup> -1,375	<sup>18</sup> 3,952	69	
122,720	31,327	28,777	43,121	19,495	32,160	25,350	-28,229	-1,237	-13,296	-3,334	-10,362	-3,852	6,674	70	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
-208,437	-41,242	-49,035	-59,897	-58,263	-55,070	-59,549	.....	.....	.....	.....	.....	.....	.....	71	
16,190	5,211	3,224	4,913	2,842	4,689	3,209	2,945	714	672	786	773	715	541	72	
-192,247	-36,031	-45,811	-54,984	-55,421	-50,381	-56,340	2,945	714	672	786	773	715	541	73	
5,125	510	1,205	1,401	2,009	2,143	-1,078	14,998	3,851	3,739	3,773	3,635	3,721	6,098	74	
-25,391	-8,724	-4,977	-5,198	-6,492	-8,388	-7,415	-7,170	-1,843	-1,740	-1,528	-2,059	-1,541	-1,657	75	
-212,513	-44,245	-49,583	-58,781	-59,904	-56,626	-64,833	10,773	2,722	2,671	3,031	2,349	2,895	4,982	76	

## Footnotes to U.S. International Transactions Tables 1–11

General notes for all tables: <sup>p</sup> Preliminary. <sup>r</sup> Revised. \* Less than \$500,000 (+/-) <sup>D</sup> Suppressed to avoid disclosure of data of individual companies.

### Table 1:

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 non-marketable 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 5.

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.

Additional footnotes for historical data in July issues of the SURVEY:

14. For 1974, includes extraordinary U.S. Government transactions with India. See "Special U.S. Government Transactions," June 1974 SURVEY, p. 27.

15. For 1978–83, includes foreign currency-denominated notes sold to private residents abroad.

16. Break in series. See Technical Notes in the June 1989–90, 1992–95, and July 1996–2003 issues of the SURVEY.

### Table 2:

1. Exports, Census basis, represent transactions values, f.a.s. U.S. port of exportation, for all years; imports, Census basis, represent Customs values (see Technical Notes in the June 1982 SURVEY), except for 1974–81, when they represent transactions values, f.a.s. foreign port of exportation (see July issues of the SURVEY for historical data). From 1983 forward, both

unadjusted and seasonally adjusted data have been prepared by BEA from "actual" and "revised statistical" monthly data supplied by the Census Bureau (see Technical Notes in the December 1985 SURVEY). Seasonally adjusted data reflect the application of seasonal factors developed jointly by Census and BEA. The seasonally adjusted data are the sum of seasonally adjusted five-digit end-use categories (see technical Notes in the June 1980 SURVEY, in the June 1988 SURVEY, and in the June 1991 SURVEY). Prior to 1983, annual data are as published by the Census Bureau, except that for 1975–80 published Census data are adjusted to include trade between the U.S. Virgin Islands and foreign countries.

2. Adjustments in lines A5 and A13, B12, B48, and B84 reflect the Census Bureau's reconciliation of discrepancies between the goods statistics published by the United States and the counterpart statistics published in Canada. These adjustments are distributed to the affected end-use categories in section C. Beginning in 1986, estimates for undocumented exports to Canada, the largest item in the U.S.-Canadian reconciliation, are included in Census basis data shown in line A1.

3. Exports of military equipment under U.S. military agency sales contracts with foreign governments (line A6), and direct imports by the Department of Defense and the Coast Guard (line A14), to the extent such trade is identifiable from Customs declarations. The exports are included in tables 1 and 11, line 5 (transfers under U.S. military agency sales contracts); the imports are included in tables 1 and 11, line 22 (direct defense expenditures).

4. Addition of electrical energy; deduction of exposed motion picture film for rental rather than sale; net change in stock of U.S.-owned grains in storage in Canada; coverage adjustments for special situations in which shipments were omitted from Census data; deduction of the value of repairs and alterations to foreign-owned equipment shipped to the United States for repair; and the inclusion of fish exported outside of U.S. customs area. Also includes deduction of exports to the Panama Canal Zone before October 1, 1979, and for 1975–82, net timing adjustments for goods recorded in Census data in one period but found to have been shipped in another (see July issues of the SURVEY for historical data).

5. Coverage adjustments for special situations in which shipments were omitted from Census data; the deduction of the value of repairs and alterations to U.S.-owned equipment shipped abroad for repair; and the adjustment of software imports to market value. Also includes addition of understatement of inland freight in f.a.s. values of U.S. imports of goods from Canada in 1974–81; deduction of imports from the Panama Canal Zone before October 1, 1979; and for 1975–82, net timing adjustments for goods recorded in Census data in one period but found to have been shipped in another (see July issues of the SURVEY for historical data).

6. For 1988–89, correction for the understatement of crude petroleum imports from Canada.

7. Annual and unadjusted quarterly data shown in this table correspond to country and area data in table 11, lines 3 and 20. Trade with international organizations includes purchases of nonmonetary gold from the International Monetary Fund, transfers of tin to the International Tin Council (ITC), and sales of satellites to Intelsat. The memoranda are defined as follows: *Industrial countries*: Western Europe, Canada, Japan, Australia, New Zealand, and South Africa; *Members of OPEC*: Venezuela, Ecuador, Iraq, Iran, Kuwait, Saudi Arabia, Qatar, United Arab Emirates, Indonesia, Algeria, Libya, Nigeria, and Gabon (Excludes Ecuador beginning in January 1993 and Gabon beginning in January 1995.); *Other countries*: Eastern Europe, Latin America and Other Western Hemisphere, and other countries in Asia and Africa, less OPEC. Before 1984, complete geographic area detail was not available for some balance of payments adjustments. Therefore, the detail shown does not always sum to the values shown for the area aggregates. For all years, "Asia" and "Africa" exclude certain Pacific Islands and unidentified countries included in "Other countries in Asia and Africa."

8. Includes the former German Democratic Republic (East Germany) beginning in fourth quarter of 1990. In earlier periods, the German Democratic Republic was included in Eastern Europe.

9. Beginning in 1986, New Zealand and South Africa are included in "Other countries in Asia and Africa," with New Zealand included as part of "Asia" and South Africa as part of "Africa."

10. The "Euro area," which formed in January 1999, includes Austria, Belgium, Finland, France, Germany, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, and from January 2001, Greece.

**Table 3:**

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.

4. Includes charges for auxiliary insurance services.

5. Beginning in 1992, the net result of (line 51 – line 52) – (line 55 – line 56) is recorded in “private remittances and other transfers” (table 1, line 38).

**Table 4:**

1. Complete instrument detail is only available beginning with 2003.

2. Prior to 2003, includes only demand deposits and nonnegotiable time and savings deposits.

**Table 5:**

1. Expenditures to release foreign governments from their contractual liabilities to pay for military goods and services purchased through military sales contracts—first authorized (for Israel) under Public Law 93–199, section 4, and subsequently authorized (for many recipients) under similar legislation—are included in line A4. Deliveries against these military sales contracts are included in line C10; see footnote 2. Of the line A4 items, part of these military expenditures is applied in lines A43 and A46 to reduce short-term assets previously recorded in lines A41 and C8; this application of funds is excluded from lines C3 and C4. A second part of line A4 expenditures finances future deliveries under military sales contracts for the recipient countries and is applied directly to lines A42 and C9. A third part of line A4, disbursed directly to finance purchases by recipient countries from commercial suppliers in the United States, is included in line A37. A fourth part of line A4, representing dollars paid to the recipient countries to finance purchases from countries other than the United States, is included in line A48.

2. Transactions under military sales contracts are those in which the Department of Defense sells and transfers military goods and services to a foreign purchaser, on a cash or credit basis. Purchases by foreigners directly from commercial suppliers are *not* included as transactions under military sales contracts. The entries for the several categories of transactions related to military sales contracts in this and other tables are partly estimated from incomplete data.

3. The identification of transactions involving direct dollar outflows from the United States is made in reports by each operating agency.

4. Line A38 includes foreign currency collected as interest and line A43 includes foreign currency collected as principal, as recorded in lines A16 and A17, respectively.

5. Includes (a) advance payments to the Department of Defense (on military sales contracts) financed by loans extended to foreigners by U.S. Government agencies and (b) the contraentry for the part of line C10 that was delivered without prepayment by the foreign purchaser. Also includes expenditures of appropriations available to release foreign purchasers from liability to make repayment.

6. Includes purchases of loans from U.S. banks and exporters and payments by the U.S. Government under commercial export credit and investment guarantee programs.

7. Excludes liabilities associated with military sales contracts financed by U.S. Government grants and credits and included in line C2.

8. Excludes transactions of the U.S. Enrichment Corporation since it became a non-government entity in July 1998.

**Table 6a:**

1. For bank affiliates, includes only interest on permanent debt investment by their parent companies. Excludes interest between financial parent companies and nonbank financial affiliates.

2. For bank affiliates, includes only permanent debt investment by their parent companies. Excludes intercompany debt between financial parent companies and nonbank financial affiliates.

**Table 7a:**

1. Bahamas, Bermuda, British West Indies (Cayman Islands), and Netherlands Antilles.

2. Includes all redemptions and early retirements.

**Table 8a:**

1. Securities brokers' claims on and liabilities to their foreign affiliates are included from 1998–2002 and excluded beginning with 2003.

2. Estimates of transactions other than those with U.S. banks' Caribbean branches and with financial intermediaries (F.I.s) are not available. Preliminary estimates of transactions with F.I.s, by area, are commingled in “other” to avoid disclosure of individual companies' area data.

3. Complete instrument detail is only available beginning with 2003.

4. Financial intermediaries' accounts are shown under “other claims (liabilities)” because the majority of these claims (liabilities) are in the form of intercompany balances. Financial intermediaries' accounts represent transactions between firms in a direct investment relationship (that is, between U.S. parents and their foreign affiliates or between U.S. affiliates and their foreign parent groups), where both the U.S. and foreign firms are classified in a finance industry, but the firms are neither banks nor securities brokers.

5. Bahamas, Bermuda, British West Indies (Cayman Islands), and Netherlands Antilles.

**Table 9a:**

1. Beginning with 2003, includes securities brokers' claims on their foreign affiliates.

2. Complete instrument detail is only available beginning with 2003.

3. Includes foreign official agencies and international and regional organizations. Prior to 2003, also includes government-owned corporations and state, provincial, and local governments and their agencies.

4. U.S.-owned banks include U.S.-chartered banks, Edge Act subsidiaries, and U.S. bank holding companies. Foreign-owned banks include U.S. branches and agencies of foreign banks and majority-owned bank subsidiaries in the United States. Brokers and dealers may be U.S.-owned or foreign-owned.

5. Commercial paper issued in the U.S. market by foreign incorporated entities and held in U.S. customers' accounts. Excludes commercial paper issued through foreign direct investment affiliates in the United States.

6. Prior to 2003, includes negotiable certificates of deposit and other negotiable and transferable instruments.

7. Prior to 2003, includes only deposits.

8. Bahamas, Bermuda, British West Indies (Cayman Islands), and Netherlands Antilles.

**Table 10a:**

1. Beginning with 2003, includes securities brokers' liabilities to their foreign affiliates.

2. Complete instrument detail is only available beginning with 2003.

3. U.S.-owned banks include U.S.-chartered banks, Edge Act subsidiaries, and U.S. bank holding companies. Foreign-owned banks include U.S. branches and agencies of foreign banks and majority-owned bank subsidiaries in the United States. Brokers and dealers may be U.S.-owned or foreign-owned.

4. Bahamas, Bermuda, British West Indies (Cayman Islands), and Netherlands Antilles.

**Table 11:**

For footnotes 1–13, see table 1.

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.

# U.S. International Services

## Cross-Border Trade in 2002 and Sales Through Affiliates in 2001

By Maria Borga and Michael Mann

LIKE previous articles in this series, this article examines international sales of services from a dual perspective. It considers services trade not only in the conventional sense of exports and imports that cross borders, but also in the sense of services sold by locally established affiliates of multinational firms. This broader concept of “trade” has been adopted for this article in recognition of the key role that has been assumed in the delivery of services internationally by affiliates that are located within—but owned outside—the markets they serve. It is also consistent with the way that many firms view their worldwide operations.

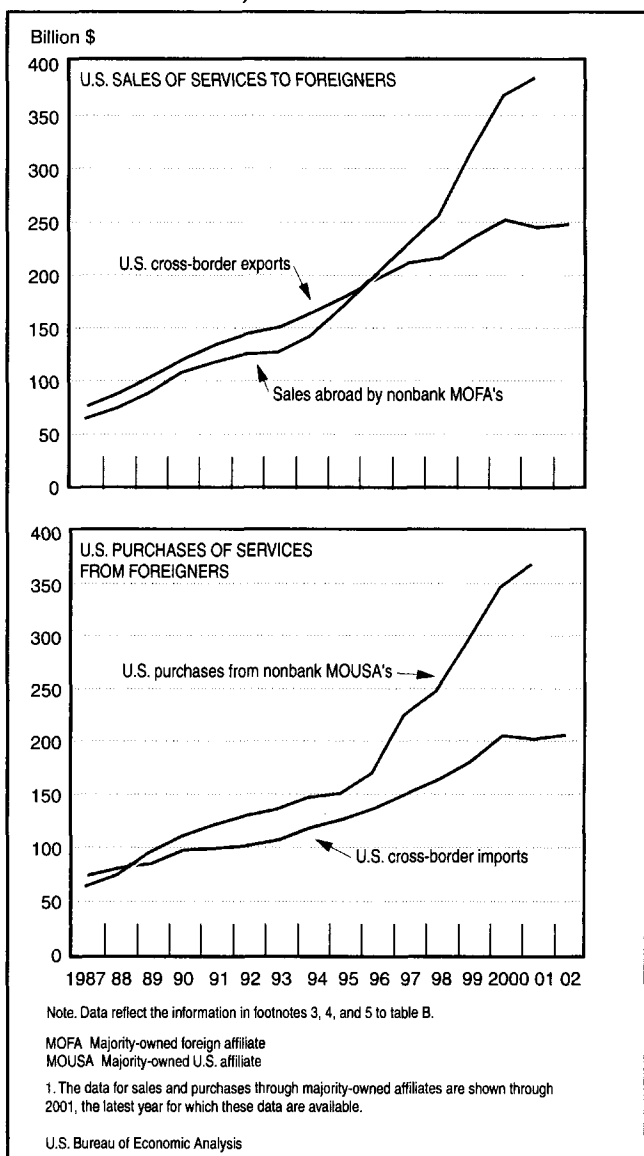
Transactions that cross borders are perhaps the better known and more widely publicized channel of delivery, but in recent years, most services delivered to the U.S. market from abroad and from the U.S. market to foreign countries have been delivered through affiliates. In both 2000 and 2001, for example, services delivered through affiliates exceeded cross-border trade in services by wide margins (table A and chart 1).

In contrast to its persistent deficit on cross-border trade in goods, the United States has run regular surpluses on cross-border trade in services. In 2002, cross-border exports of services, at \$280 billion, exceeded cross-border imports by \$74 billion, virtually the same difference as in 2001. In addition, sales of services abroad by foreign affiliates of U.S. companies have regularly exceeded sales in the United States by U.S. affiliates of foreign companies. In 2001 (the most recent

year that data are available), foreign affiliates’ sales, at \$432 billion, were \$65 billion larger than the sales by U.S. affiliates; in 2000, foreign affiliates’ sales exceeded U.S. affiliates’ sales by an even larger amount—\$70 billion.

Sales through affiliates have not only been larger

**Chart 1. U.S. International Sales and Purchases of Private Services, 1987–2002<sup>1</sup>**



**Table A. Sales of Services to Foreign and U.S. Markets**  
[Billions of dollars]

	U.S. sales to foreign markets		Foreign sales to the U.S. market	
	Across border	Through foreign affiliates	Across border	Through U.S. affiliates
2000.....	284	414	205	344
2001.....	276	432	202	367
2002.....	280	n.a.	205	n.a.

n.a. Not available

Michael Mann prepared the section on cross-border trade, and Maria Borga prepared the section on sales through affiliates.

Note. Data reflect the information in footnotes 3, 4, and 5 to table B.

MOFA Majority-owned foreign affiliate  
MOUSA Majority-owned U.S. affiliate

1. The data for sales and purchases through majority-owned affiliates are shown through 2001, the latest year for which these data are available.

U.S. Bureau of Economic Analysis

than sales across borders in recent years, but they have also tended to grow faster. In 2000, both U.S. sales to foreigners through affiliates and foreigners' sales to the United States through affiliates grew faster than the corresponding measures for cross-border exports and imports (table B). In 2001, both cross-border exports and imports declined, but sales through affiliates continued to grow.

In 2002, U.S. cross-border exports and imports grew slowly: Exports increased 1 percent after falling 3 percent in 2001, and imports increased 2 percent after falling 2 percent. For both exports and imports, increases occurred in both royalties and license fees and

in "other private services" (which includes services such as education, financial services, insurance, and business, professional, and technical services). The increases reflect pickups in economic activity in the United States and in many major foreign countries. Furthermore, insurance services increased strongly, largely reflecting the impact of higher premium rates that were prompted partly by the September 11<sup>th</sup> terrorist attacks and partly by weakening returns on investments. For both exports and imports, travel services and passenger fares decreased. The decreases reflect the lingering effects of the terrorist attacks; in 2002, these services remained below their preattack levels.

In 2001, sales of services by foreign affiliates of U.S. companies grew 5 percent, and sales of services by U.S. affiliates of foreign companies grew 7 percent. Although representing a significant expansion, these rates were well below those recorded in 2000, when sales of services by foreign affiliates and by U.S. affiliates each increased 17 percent. The slowdowns in 2001 reflected slower growth in the U.S. economy and in the economies of many of the countries that are significant markets for foreign affiliates of U.S. multinational companies. A sharp falloff in cross-border merger and acquisition activity in 2001 also contributed to the slowdowns. From 1998 to 2000, sales by newly acquired businesses accounted for much of the growth in the sales of services by affiliates, as cross-border mergers and acquisitions boomed. Merger activity had been particularly strong in industries with large sales of services, such as telecommunications, utilities, insurance, finance, and computer services. In 2001, there were fewer acquisitions to fuel the growth in sales of services.

This article presents detailed preliminary estimates of U.S. cross-border exports and imports of private services in 2002 and revised estimates for 1992–2001. It also presents preliminary estimates of U.S. sales of services through, and purchases of services from, non-bank majority-owned affiliates of multinational companies in 2001 and revised estimates for 2000. Cross-border exports and imports are transactions between U.S. residents and foreign residents; they represent international trade in the conventional sense and are recorded in summary form in the U.S. international transactions accounts.<sup>1</sup> Sales of services through non-bank majority-owned affiliates of multinational companies represent services sold in international markets through the channel of direct investment (see the box

1. In the quarterly articles on U.S. international transactions, table 1 presents cross-border exports of private services in lines 6–10 and cross-border imports in lines 23–27; table 3 provides additional details.

**Table B. Sales of Services to Foreign and U.S. Markets Through Cross-Border Trade and Through Affiliates**

	Through cross-border trade <sup>1</sup>		Through nonbank majority-owned affiliates <sup>2</sup>	
	U.S. exports (receipts)	U.S. imports (payments)	Sales to foreign persons by foreign affiliates of U.S. companies <sup>3</sup>	Sales to U.S. persons by U.S. affiliates of foreign companies
Billions of dollars				
1986 .....	77.5	64.7	60.5	n.a.
1987 .....	87.0	73.9	72.3	62.6
1988 .....	101.0	81.0	83.8	73.2
1989 .....	117.9	85.3	99.2	84.2
1990 .....	137.2	98.2	121.3	109.2
1991 .....	152.4	99.9	131.6	119.5
1992 .....	163.6	102.0	140.6	128.0
1993 .....	171.1	107.8	142.6	134.7
1994 .....	186.1	118.3	159.1	145.4
1995 .....	203.1	126.8	190.1	149.7
1996 .....	221.4	136.9	223.2	168.4
1997 .....	237.9	150.0	255.3	( <sup>4</sup> ) 223.1
1998 .....	243.8	163.6	286.1	245.5
1999 .....	264.7	180.5	( <sup>5</sup> ) 353.2	293.5
2000 .....	283.5	204.7	413.5	344.4
2001 .....	275.5	201.6	432.2	366.9
2002 .....	279.5	205.2	n.a.	n.a.
Percent change from prior year				
1987 .....	12.2	14.2	19.5	.....
1988 .....	16.0	9.5	15.9	17.0
1989 .....	16.8	5.3	18.4	28.7
1990 .....	16.4	15.1	22.2	15.9
1991 .....	11.1	1.8	8.5	9.5
1992 .....	7.3	2.1	6.8	7.1
1993 .....	4.6	5.7	1.5	5.3
1994 .....	8.8	9.8	11.6	8.0
1995 .....	9.1	7.1	19.4	2.9
1996 .....	9.0	8.0	17.4	12.5
1997 .....	7.4	9.6	14.4	( <sup>4</sup> )
1998 .....	2.5	9.1	12.0	10.1
1999 .....	8.6	10.4	( <sup>5</sup> )	19.6
2000 .....	7.1	13.4	17.1	17.3
2001 .....	-2.8	-1.5	4.5	6.5
2002 .....	1.5	1.8	n.a.	n.a.

n.a. Not available.

1. The estimates for 1992–2001 are revised from those published in last year's article in this series. See Christopher L. Bach, "Annual Revision of the U.S. International Accounts, 1992–2002," *Survey of Current Business* 83 (July 2003): 32–45.

2. The estimates for 2000 are revised from those published in last year's article in this series. The estimates for 2001 are preliminary.

3. The figures shown in this column for 1986–88 have been adjusted, for the purposes of this article, to be consistent with those for 1989 forward, which reflect definitional and methodological improvements made in the 1989 Benchmark Survey of U.S. Direct Investment Abroad. The primary improvement was that investment income of affiliates in finance and insurance was excluded from sales of services. The adjustment was made by assuming that investment income of finance and insurance affiliates in 1986–88 accounted for the same share of sales of services plus investment income as in 1989.

4. Beginning in 1997, sales by U.S. affiliates were classified as goods or services based on industry codes derived from the North American Industry Classification System; the estimates for prior years were based on codes derived from the 1987 Standard Industrial Classification System. This change resulted in a redefinition of sales of services by affiliates, which resulted in a net shift of sales from goods to services. See the box "Changes in the Definition and Classification of Sales of Services by U.S. Affiliates" in the October 1999 Survey, page 61, available at [www.bea.gov](http://www.bea.gov).

5. Beginning in 1999, sales by foreign affiliates were classified as goods or services based on industry codes derived from the North American Industry Classification System; the estimates for prior years were based on codes derived from the 1987 Standard Industrial Classification System. This change resulted in a redefinition of sales of services by affiliates, which resulted in a net shift of sales from goods to services. See the box "Changes in the Definition and Classification of Sales of Services by Foreign Affiliates" in the November 2001 Survey, page 58, available at [www.bea.gov](http://www.bea.gov).

“Channels of Delivery of Services Sold in International Markets”).<sup>2</sup> The estimates are drawn from larger data sets on affiliate operations that are presented in annual articles on the operations of U.S. multinational companies and of U.S. affiliates of foreign companies.<sup>3</sup>

2. These data cover *all* the sales of services by nonbank majority-owned affiliates, irrespective of the percentage of foreign ownership. The data exclude minority-owned affiliates because data on sales of services by foreign affiliates are collected only for affiliates that are majority-owned by U.S. direct investors. Excluding minority-owned affiliates may be preferable because the direct investor may own as little as 10 percent of a minority-owned affiliate and thus have less interest than local investors in the affiliate's sales. The data are limited to nonbank affiliates because bank affiliates were not required to report annual data on sales of services to BEA. (However, banks will report their sales of services on the 2002 benchmark survey of foreign direct investment in the United States. See the box “Ongoing Efforts to Improve the Estimates of International Services” on page 62.)

3. See Raymond J. Mataloni, Jr., “Operations of U.S. Multinational Companies: Operations in 2000,” *SURVEY OF CURRENT BUSINESS* 82 (December 2002): 111–131, and William J. Zeile, “U.S. Affiliates of Foreign Companies: Operations in 2001,” *SURVEY* 83 (August 2003): 38–56. An article covering the 2001 operations of U.S. multinational companies will be published in the November 2003 *SURVEY*.

As noted earlier, services delivered through nonbank majority-owned affiliates exceeded those delivered through cross-border trade in 2001. Because of differences in coverage and measurement, comparisons between these two channels of delivery cannot be precise, but the substantial differences clearly indicate that delivery through affiliates was the larger channel for both U.S. sales and U.S. purchases of private ser-

#### Data Availability

The estimates of cross-border trade for 1986–2002 and the estimates of sales through majority-owned affiliates for 1989–2001 are available as files that can be downloaded from BEA's Web site. To access these files, go to <[www.bea.gov](http://www.bea.gov)>, click on “More” under “International,” and look under “International services.”

### Channels of Delivery of Services Sold in International Markets Cross-Border Trade and Sales Through Affiliate

Services are sold in international markets through two distinct channels. In the first channel, the residents of one country sell services to the residents of another country. These transactions—cross-border trade—include both trade within multinational companies (intrafirm trade) and trade between unaffiliated parties.<sup>1</sup> They are recorded in the international transactions accounts of both countries—as exports of services by the seller's country and as imports by the buyer's country.

The second channel of delivery is sales through foreign affiliates of multinational companies, which from the U.S. viewpoint, are sales to foreigners by foreign affiliates of U.S. companies and U.S. purchases from other countries' U.S. affiliates. These sales are not considered U.S. international transactions, because under the residency principle of balance-of-payments accounting, affiliates of multinational companies are regarded as residents of the countries where they are located rather than of the countries of their owners. Thus, sales abroad by foreign affiliates are transactions between foreign residents, and sales in the United States by U.S. affiliates are transactions between U.S. residents. (However, the direct investors' shares of the profits earned on these sales are recorded as U.S. international transactions.)

1. The term “cross-border trade” differs from the term “cross-border mode of supply” that is used in the General Agreement on Trade in Services to refer to the provision of a service by a resident of one country to a resident of another country in which neither the producer nor the consumer goes to the country of the other (for example, a consultant sending a report electronically or by mail).

The two channels of delivery typically differ in their effects on an economy. For example, U.S. cross-border exports usually have a greater effect on the U.S. economy than the equivalent sales through foreign affiliates, because most, or all, of the income generated by the production generally accrues to U.S.-supplied labor and capital. In contrast, for sales through foreign affiliates, only the U.S. parent company's share in profits accrues to the United States (and is recorded as a U.S. international transaction); the other income generated by production—including compensation of employees—typically accrues to foreigners.

Some services can be delivered equally well through either channel, but the channel of delivery is often largely predetermined by the nature of the service. For example, many travel services are inherently delivered through the cross-border channel. In contrast, many business, professional, and technical services are mainly delivered through the affiliate channel because of the need for close, continuing contact between the service providers and their customers.

To obtain a complete picture of the services transactions of affiliates, it would be necessary to examine not only their sales of services, as in this article, but also their purchases of services, both in their countries of location and elsewhere. However, the only available data on their purchases of services are those for transactions between parents and affiliates, which are discussed in the section on cross-border trade.

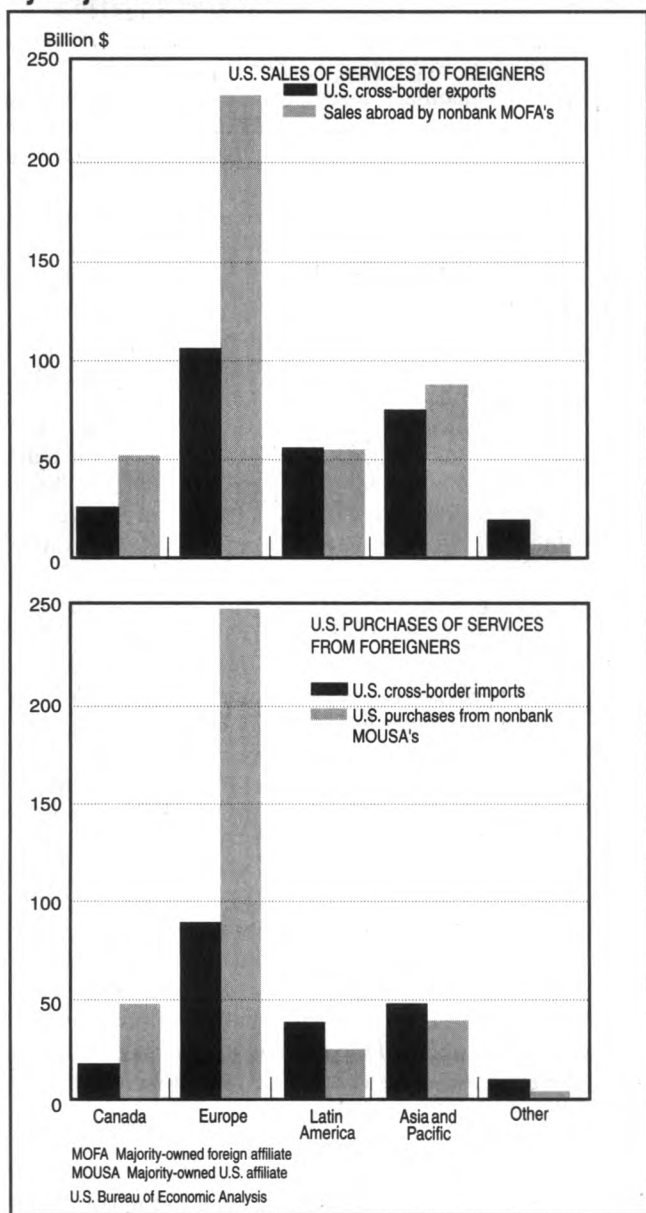


vices.<sup>4</sup> The use of each channel of delivery for 2001 is

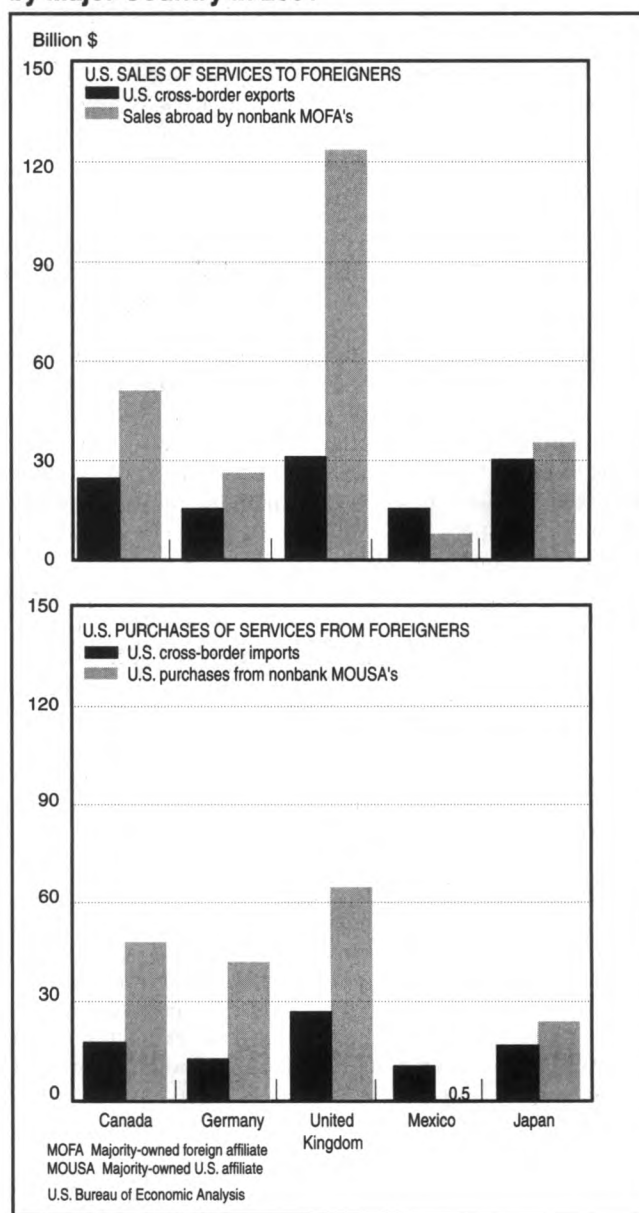
4. An example of a difference in coverage is that the estimates of cross-border exports and imports include services provided by banks, while those of sales through affiliates cover only nonbank affiliates. An example of a difference in measurement is that cross-border exports and imports of primary insurance and reinsurance services largely reflect premiums minus "normal" losses, while sales of services by affiliates in insurance largely reflect premium income with no deductions for losses; this difference tends to exaggerate the relative importance of sales through affiliates. (BEA is using a new method for estimating cross-border trade in insurance services; see the appendix "Improvements to BEA's Estimates of International Services, 1990-2003" on page 74.) BEA has also begun implementing changes to the measurement and coverage of selected services to improve the comparability of the two series; for details, see the box "Ongoing Efforts to Improve the Estimates of International Services" on page 62.

shown for major geographic areas in chart 2 and for selected countries in chart 3. For specific types of services, however, the relative importance of the two channels is difficult to gauge because of the differences in measurement and coverage and because of differences in the basis of classification. Available data on cross-border trade are generally classified by type of service, whereas the data on sales of services through affiliates are classified by primary industry of the affiliate.

**Chart 2. U.S. Sales and Purchases of Services by Major Area in 2001**



**Chart 3. U.S. Sales and Purchases of Services by Major Country in 2001**



### Ongoing Efforts to Improve the Estimates of International Services

As part of its ongoing effort to improve the data on international services, BEA has initiated several changes in data collection that will lead to improved estimates of both cross-border trade in services and of sales of services through affiliates. Several of these changes implement proposals that were presented in Obie G. Whichard and Maria Borga, "Selected Issues in the Measurement of U.S. International Services," *SURVEY OF CURRENT BUSINESS* 82 (June 2002): 36–56.

#### Cross-border trade

**Implicit services.** Just as charges for the services associated with checking accounts would be imposed or would be higher if banks could not lend or invest the funds of their depositors, insurance premiums would be higher if insurance companies were unable to earn income on funds held in reserve against future claims. In recognition of this fact, the 1993 System of National Accounts (SNA) included income that may be earned from the investment of reserves in its recommended measure of output for the insurance industry. The income is treated as accruing to the policyholders, who pay it back to insurers as supplements to premiums; thus, the measure of insurance services exported and imported is raised.

When the results of the 2003 comprehensive revision of the national income and products accounts are released in December 2003, the value of the expected income on the funds on which insurance policymakers have claim will be included in the estimates of insurance industry output. This methodology will be reviewed for possible use in the 2004 annual revision of the international transactions accounts.

**Medical services.** Estimates of medical services receipts are currently based on information provided to BEA voluntarily by state regulatory agencies, hospital associations, and hospitals. To improve these estimates, in its annual survey of services transactions, BEA has begun collecting data on medical services receipts (payments are not covered but are believed to be small). This item covers services provided to foreign residents at U.S. hospitals for inpatient services and "other medical services," including outpatient care to foreign patients in the United States. "Other medical services" also includes remote diagnostic and remote monitoring (telemedicine) services provided from the United States to patients, practitioners, and medical institutions in foreign countries and the services of medical laboratories.

**Quarterly surveys.** BEA has designed and submitted additional quarterly surveys of services to the Office of Management and Budget for clearance in order to begin conducting these surveys in 2004. Until now, most BEA surveys of services have been conducted on an annual basis.

Data collected on these quarterly surveys, which will cover many of the largest and most volatile types of services, will replace the data currently collected on annual surveys; the information collected will not change. The quarterly surveys will improve the reliability of BEA's quarterly estimates of the Nation's international transactions accounts and gross domestic product because international services transactions are an important component of both. The quarterly surveys will also provide more reliable and timely information on services transactions to support U.S. international economic policy, including trade promotions and trade negotiations.

#### Sales through affiliates

In the 2002 benchmark survey of foreign direct investment in the United States (FDIUS), which is currently being conducted,

BEA is collecting data that will provide the basis for improved estimates of insurance services, of sales of services through bank affiliates, and of services provided by wholesale and retail trade affiliates. If the initial data collection efforts are successful, BEA will consider including these items on the follow-on annual surveys of FDIUS and the surveys of U.S. direct investment abroad (USDIA), beginning with the 2004 benchmark survey of USDIA.

**Insurance.** Currently, the estimates of insurance services provided by U.S. affiliates represent revenues generated by affiliates' operations in the insurance industry. These estimates largely represent premiums earned with no deduction for losses. In contrast, cross-border trade in insurance services is measured as premiums earned less "normal" losses. Because of this difference, the current measure of the sales of services through affiliates in insurance exaggerates the relative importance of sales through affiliates as a channel of delivery for international services when compared with cross-border transactions.

The 2002 benchmark survey of FDIUS is collecting data on premiums and losses from U.S. affiliates that offer insurance services. These data will provide the basis for estimating insurance services in a consistent manner.

**Banks.** Currently, the estimates of sales of services through affiliates excludes services provided by bank affiliates. Because most of the information on bank affiliates that is needed for policymaking is already collected by other U.S. Government agencies, BEA collects only limited data on sales through bank affiliates. However, the absence of estimates of services provided through bank affiliates causes a potentially significant gap in the coverage of financial services sold through affiliates. To close this gap, BEA is collecting data on sales of services through bank affiliates in the 2002 benchmark survey of FDIUS. These data cover explicit commissions and fees charged for services.

In addition to explicit fees and commission, banks may also charge implicitly for services that they provide by paying lower interest rates to those who lend them money in the form of deposits and loans than they charge to those who borrow from them. The resulting net receipts of interest are used to defray expenses and provide an operating surplus. Because banks often do not charge explicitly for their services, their values must be imputed. To provide a basis for imputing the value of services provided without an explicit charge, BEA is collecting data on the total interest paid and received by U.S. bank affiliates on the 2002 benchmark survey of FDIUS.

**Wholesale and retail trade.** The wholesale and retail trade industries provide distributive services—selling, or arranging for the sale of, goods to intermediate and final users. In BEA's data on sales through affiliates, the value of distributive services provided by affiliates' wholesale and retail trade operations is embedded in the value of the final goods sold through affiliates. However, in the national income and product accounts, distributive services in wholesale and retail trade are measured as trade margins—wholesale or retail sales of goods less the cost of the goods resold. To provide a basis for the estimation of the value of these distributive services, BEA has added two questions to the 2002 benchmark survey of FDIUS in order to collect data on the cost of goods purchased for resale and on the inventories of these goods. These data will allow the estimation of the margin, or output, of the wholesale and retail trade operations of affiliates.

**U.S. Cross-Border Trade in 2002**

In 2002, U.S. exports of private services (receipts) increased 1 percent, to \$279.5 billion, following a 3-percent decrease in 2001. U.S. imports of private services (payments) increased 2 percent, to \$205.2 billion, following a 1-percent decrease in 2001. The modest recovery in exports and in imports occurred in the context of pickups in economic activity in the United States and in many foreign countries.

Changes in the foreign-currency value of the dollar may also have affected U.S. cross-border trade in services, but the effect cannot be precisely measured, because it cannot be clearly distinguished from the effects of other variables that affected U.S. services flows. In 2002, the dollar's movement against the currencies of most major U.S. trading partners was mixed after appreciating against most of these currencies in 2001. For the year, the dollar depreciated 5 percent against the euro and 4 percent against the British pound, and it appreciated 3 percent against the Japanese yen and 1 percent against the Canadian dollar.<sup>5</sup>

5. Annual exchange rates are period averages.

**Table C. Cross-Border Services: Percent Change from Prior Year**

	Exports		Imports	
	2001	2002	2001	2002
Private services.....	-3	1	-1	2
Travel.....	-13	-7	-7	-4
Passenger fares.....	-13	-5	-7	-12
Other transportation.....	-5	3	-7	0
Royalties and license fees.....	-5	7	1	15
Other private services.....	8	6	10	10

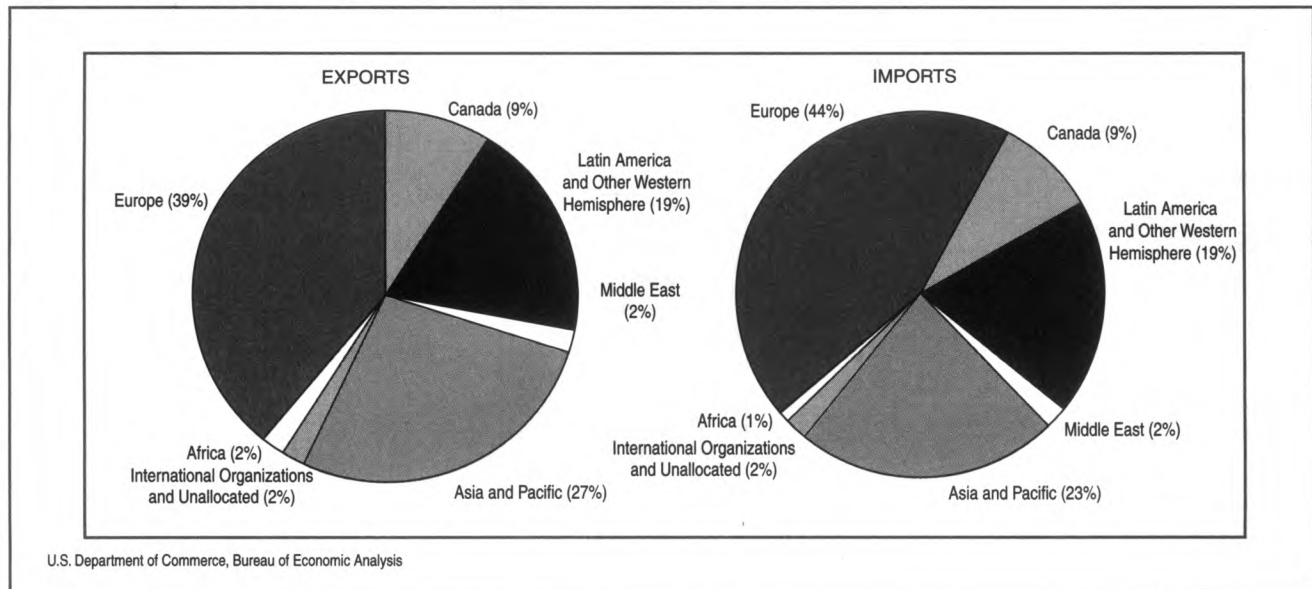
The sluggish 1-percent year-over-year increase in services exports in 2002 masked the steady recovery during 2002 from the trough near the end of 2001, a period that was severely depressed by the effects of the September 11<sup>th</sup> terrorist attacks. By the end of 2002, services exports had returned to the level before the attacks. For the year 2002, increases in “other private services,” royalties and license fees, and “other transportation” were largely offset by decreases in travel and passenger fares.

After many years of relatively strong growth, the weak U.S. economic conditions in 2001 and the moderate expansion in 2002 left the level of imports in 2002 no higher than in 2000. Imports grew steadily during 2002 from the low levels at the end of 2001. For 2002, increases in “other private services” and royalties and license fees were largely offset by decreases in travel and passenger fares. “Other transportation” was virtually unchanged.

Europe and Asia and Pacific together accounted for two-thirds of total U.S. cross-border exports and imports of private services in 2002 (chart 4). Three countries—the United Kingdom, Japan, and Canada—accounted for nearly a third of both total U.S. exports and total U.S. imports of services (table D).

Of total cross-border trade in services, trade within multinational companies accounted for \$76.4 billion, or 27 percent, of exports of private services and for \$48.0 billion, or 23 percent, of imports of private services. Table E, which combines cross-border trade within multinational companies with unaffiliated cross-border trade, presents a more complete picture

**Chart 4. U.S. Cross-Border Services Transactions: Share by Area in 2002**



of trade by type of service. The major categories of services in table E—travel, passenger fares, “other transportation,” royalties and license fees, and “other private services”—correspond to the major categories in table 1. Table F provides updated estimates of cross-border trade in services, by type, between U.S. parents and their foreign affiliates and between U.S. affiliates and their foreign parent groups for 1997–2002.<sup>6</sup>

Additional information about the five broad categories of cross-border trade in private services in the U.S. international transactions accounts—travel, passenger fares, “other transportation,” royalties and license fees, and “other private services”—follows. In previous articles, the discussions of the individual categories of services tended to focus on unaffiliated transactions because of the greater amount of detail available for unaffiliated services. However, the following discussions of the individual services focus on the sum of affiliated transactions and unaffiliated transactions. The expansion in the quantity of data available on affiliated services by type of service has enabled BEA to shift the focus to total transactions in these services and away

from unaffiliated transactions. Importantly, this change also is consistent with BEA’s long-term and continuing efforts to improve the comparability of its data with international statistical standards.

### Travel

Travel receipts decreased 7 percent in 2002, to \$66.5 billion, following a 13-percent decrease in 2001. The continued slide reflected weakening economic conditions abroad and the lingering effects of the attacks of September 11<sup>th</sup> over an entire year. Travel activity picked up in the fourth quarter as economic conditions improved in the countries that account for many of the visitors to the United States. Substantial appreciation of several major currencies against the dollar throughout the year also contributed to the increase in travelers in the fourth quarter. Despite the fourth-quarter recovery, receipts at yearend were still well below pre-September 11<sup>th</sup> levels. For the year, travel receipts from countries other than Canada and Mexico decreased 9 percent. Receipts from Canada decreased 5 percent, and receipts from Mexico increased 4 percent. The number of Canadians traveling to the United States by air and land decreased in 2002. Receipts from Europe and Japan each fell about 5 percent. The decreases in travel receipts from Latin America and the Middle East were particularly sharp.

**Table D. Cross-Border Services Exports and Imports by Type and Country, 2002**

[Millions of dollars]

	Total services	Travel	Passenger fares	Other transportation	Royalties and license fees	Other private services
Exports						
<b>All countries</b> .....	<b>279,495</b>	<b>66,547</b>	<b>17,046</b>	<b>29,166</b>	<b>44,142</b>	<b>122,594</b>
<b>10 largest countries</b> <sup>1</sup> .....	<b>156,298</b>	<b>38,205</b>	<b>11,295</b>	<b>15,755</b>	<b>25,594</b>	<b>65,449</b>
United Kingdom .....	31,816	8,177	2,813	1,932	4,452	14,442
Japan .....	29,688	8,492	2,809	2,825	6,352	9,210
Canada .....	24,294	6,268	1,717	2,624	3,091	10,594
Germany .....	16,056	2,934	1,001	2,018	3,090	7,013
Mexico .....	15,902	5,507	1,329	792	1,247	7,027
France .....	10,740	1,974	778	876	2,119	4,993
Korea, Republic of .....	7,760	2,175	13	2,063	1,157	2,352
Netherlands .....	7,219	1,024	413	836	1,332	3,614
Switzerland .....	6,750	696	195	353	2,031	3,475
China .....	6,073	958	227	1,436	723	2,729
<b>Other countries</b> .....	<b>123,197</b>	<b>28,342</b>	<b>5,751</b>	<b>13,411</b>	<b>18,548</b>	<b>57,145</b>
Imports						
<b>All countries</b> .....	<b>205,234</b>	<b>58,044</b>	<b>19,969</b>	<b>38,527</b>	<b>19,258</b>	<b>69,436</b>
<b>10 largest countries</b> <sup>1</sup> .....	<b>125,661</b>	<b>30,205</b>	<b>10,200</b>	<b>19,996</b>	<b>15,796</b>	<b>49,464</b>
United Kingdom .....	26,587	5,561	3,290	2,657	1,493	13,586
Canada .....	18,414	6,489	594	3,589	1,048	6,694
Japan .....	17,312	2,874	1,051	4,169	4,997	4,221
Germany .....	14,703	2,275	1,531	2,560	2,091	6,246
Mexico .....	11,066	7,061	794	993	117	2,101
Bermuda .....	10,260	563	0	454	1,364	7,879
France .....	9,655	2,919	1,003	1,091	1,263	3,379
Switzerland .....	6,613	619	530	422	1,892	3,150
Netherlands .....	6,037	852	526	1,231	1,513	1,915
Taiwan .....	5,013	992	881	2,830	18	292
<b>Other countries</b> .....	<b>79,573</b>	<b>27,839</b>	<b>9,769</b>	<b>18,531</b>	<b>3,462</b>	<b>19,972</b>

1. Ranked by dollar value of total exports or imports.

**Table E. Affiliated and Unaffiliated Trade in Services, 1997-2002**  
 (Billions of dollars)

	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
	Receipts						Payments					
<b>Total Private Services</b> .....	<b>237.9</b>	<b>243.8</b>	<b>264.7</b>	<b>283.5</b>	<b>275.5</b>	<b>279.5</b>	<b>150.0</b>	<b>163.6</b>	<b>180.5</b>	<b>204.7</b>	<b>201.6</b>	<b>205.2</b>
Unaffiliated.....	185.9	188.9	202.1	216.6	206.1	203.1	125.2	135.2	144.0	162.9	157.8	157.2
Affiliated.....	52.0	54.9	62.6	66.9	69.4	76.4	24.8	28.4	36.6	41.8	43.9	48.0
<b>Travel</b> <sup>1</sup> .....	<b>73.4</b>	<b>71.3</b>	<b>74.8</b>	<b>82.4</b>	<b>71.9</b>	<b>66.5</b>	<b>52.1</b>	<b>56.5</b>	<b>59.0</b>	<b>64.7</b>	<b>60.2</b>	<b>58.0</b>
Unaffiliated.....	73.4	71.3	74.8	82.4	71.9	66.5	52.1	56.5	59.0	64.7	60.2	58.0
Affiliated.....												
<b>Passenger fares</b> <sup>2</sup> .....	<b>20.9</b>	<b>20.1</b>	<b>19.8</b>	<b>20.7</b>	<b>17.9</b>	<b>17.0</b>	<b>18.1</b>	<b>20.0</b>	<b>21.3</b>	<b>24.3</b>	<b>22.6</b>	<b>20.0</b>
Unaffiliated.....	20.9	20.1	19.8	20.7	17.9	17.0	18.1	20.0	21.3	24.3	22.6	20.0
Affiliated.....												
<b>Other transportation</b> .....	<b>27.0</b>	<b>25.6</b>	<b>26.9</b>	<b>29.8</b>	<b>28.4</b>	<b>29.2</b>	<b>29.0</b>	<b>30.4</b>	<b>34.1</b>	<b>41.4</b>	<b>38.7</b>	<b>38.5</b>
Unaffiliated.....	26.6	25.2	26.4	29.3	27.8	28.5	28.6	30.0	33.7	41.0	38.2	38.0
Affiliated.....	0.4	0.4	0.5	0.5	0.6	0.7	0.4	0.4	0.4	0.4	0.5	0.5
<b>Royalties and license fees</b> .....	<b>33.2</b>	<b>35.6</b>	<b>39.7</b>	<b>43.2</b>	<b>41.1</b>	<b>44.1</b>	<b>9.2</b>	<b>11.2</b>	<b>13.1</b>	<b>16.5</b>	<b>16.7</b>	<b>19.3</b>
Unaffiliated.....	8.8	9.3	10.4	12.8	12.1	11.9	2.4	2.7	2.7	3.9	3.4	4.1
Affiliated.....	24.5	26.3	29.3	30.5	29.0	32.2	6.7	8.5	10.4	12.5	13.3	15.1
<b>Other private services</b> .....	<b>83.3</b>	<b>91.2</b>	<b>103.5</b>	<b>107.4</b>	<b>116.1</b>	<b>122.6</b>	<b>41.7</b>	<b>45.5</b>	<b>53.0</b>	<b>57.8</b>	<b>63.4</b>	<b>69.4</b>
Unaffiliated.....	56.2	63.0	70.7	71.5	76.4	79.1	24.0	26.1	27.2	29.0	33.3	37.1
Affiliated.....	27.1	28.2	32.8	35.9	39.8	43.5	17.6	19.4	25.8	28.8	30.1	32.4
<b>Education</b> <sup>3</sup> .....	<b>8.3</b>	<b>9.0</b>	<b>9.6</b>	<b>10.3</b>	<b>11.5</b>	<b>12.8</b>	<b>1.4</b>	<b>1.6</b>	<b>1.8</b>	<b>2.0</b>	<b>2.3</b>	<b>2.5</b>
Unaffiliated.....	8.3	9.0	9.6	10.3	11.5	12.8	1.4	1.6	1.8	2.0	2.3	2.5
Affiliated.....												
<b>Financial services</b> .....	<b>12.5</b>	<b>14.0</b>	<b>17.4</b>	<b>19.3</b>	<b>19.4</b>	<b>19.9</b>	<b>6.2</b>	<b>7.7</b>	<b>9.3</b>	<b>11.7</b>	<b>11.0</b>	<b>9.3</b>
Unaffiliated.....	10.2	11.3	13.4	15.5	15.2	15.9	3.3	3.6	3.4	4.6	4.0	3.7
Affiliated.....	2.3	2.7	4.0	3.8	4.2	4.0	2.8	4.2	5.9	7.1	7.0	5.6
<b>Insurance services</b> <sup>4</sup> .....	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
Unaffiliated.....	1.4	2.1	2.1	2.5	2.4	2.8	4.0	5.3	6.4	7.6	11.6	15.3
Affiliated.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Telecommunications</b> <sup>5</sup> .....	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>
Unaffiliated.....	3.9	5.6	4.5	3.9	4.5	4.1	8.3	7.7	6.6	5.4	4.8	4.2
Affiliated.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Business, professional, and technical services</b> .....	<b>44.0</b>	<b>45.6</b>	<b>54.1</b>	<b>55.2</b>	<b>61.9</b>	<b>65.4</b>	<b>21.2</b>	<b>22.7</b>	<b>28.3</b>	<b>30.5</b>	<b>33.1</b>	<b>37.5</b>
Unaffiliated.....	21.5	22.7	27.7	25.3	28.6	28.8	6.4	7.4	8.4	8.8	10.0	10.7
Affiliated.....	22.4	23.0	26.4	29.9	33.3	36.6	14.8	15.3	19.8	21.7	23.1	26.8
<b>Computer and information services</b> <sup>6</sup> .....	<b>5.1</b>	<b>5.0</b>	<b>6.6</b>	<b>6.8</b>	<b>6.7</b>	<b>6.9</b>	<b>1.6</b>	<b>1.9</b>	<b>4.5</b>	<b>4.2</b>	<b>4.5</b>	<b>4.2</b>
Unaffiliated.....	3.5	3.7	5.4	5.6	5.5	5.4	0.8	1.1	1.5	1.6	1.7	1.3
Affiliated.....	1.6	1.3	1.2	1.2	1.2	1.5	0.8	0.9	3.0	2.6	2.8	2.9
<b>Management and consulting services</b> .....	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>4.0</b>	<b>3.7</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>2.4</b>	<b>3.8</b>
Unaffiliated.....	1.6	1.9	1.8	1.7	2.1	1.7	0.7	0.9	0.8	0.7	0.8	1.2
Affiliated.....	n.a.	n.a.	n.a.	n.a.	1.9	2.0	n.a.	n.a.	n.a.	n.a.	1.6	2.6
<b>Research and development and testing services</b> .....	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>4.9</b>	<b>6.3</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>	<b>2.3</b>	<b>2.2</b>
Unaffiliated.....	0.9	0.9	1.0	0.9	1.1	1.1	0.6	0.6	0.7	0.8	0.8	1.0
Affiliated.....	n.a.	n.a.	n.a.	n.a.	3.8	5.2	n.a.	n.a.	n.a.	n.a.	1.5	1.1
<b>Operational leasing</b> .....	<b>3.6</b>	<b>4.0</b>	<b>4.9</b>	<b>5.2</b>	<b>5.8</b>	<b>5.9</b>	<b>1.1</b>	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.2</b>	<b>1.0</b>
Unaffiliated.....	2.0	2.4	2.7	3.1	3.7	3.6	0.2	0.2	0.2	0.2	0.2	0.2
Affiliated.....	1.5	1.7	2.3	2.1	2.1	2.3	0.9	1.0	1.1	1.0	1.0	0.8
<b>Other business, professional, and technical services</b> .....	<b>32.8</b>	<b>33.8</b>	<b>39.7</b>	<b>40.6</b>	<b>40.5</b>	<b>42.5</b>	<b>17.3</b>	<b>18.1</b>	<b>21.0</b>	<b>23.5</b>	<b>22.7</b>	<b>26.3</b>
Unaffiliated.....	13.5	13.8	16.8	14.0	16.3	17.0	4.2	4.6	5.2	5.5	6.5	7.0
Affiliated.....	19.3	20.0	22.9	26.6	24.3	25.5	13.1	13.5	15.8	18.0	16.2	19.3
<b>Other services</b> .....	<b>13.2</b>	<b>14.8</b>	<b>15.8</b>	<b>16.1</b>	<b>16.4</b>	<b>17.6</b>	<b>0.6</b>	<b>0.5</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.7</b>
Unaffiliated.....	10.8	12.3	13.4	13.9	14.2	14.7	0.6	0.5	0.6	0.6	0.6	0.7
Affiliated.....	2.4	2.5	2.4	2.2	2.3	2.9	(*)	(*)	0.1	(*)	(*)	(*)
<b>Film and television tape rentals</b> .....	<b>5.9</b>	<b>7.1</b>	<b>8.1</b>	<b>8.6</b>	<b>8.9</b>	<b>9.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>
Unaffiliated.....	3.5	4.6	5.6	6.4	6.7	6.9	0.2	0.1	0.1	0.1	0.1	0.1
Affiliated.....	2.4	2.5	2.4	2.2	2.3	2.9	(*)	(*)	0.1	(*)	(*)	(*)
<b>Other</b> .....	<b>7.3</b>	<b>7.8</b>	<b>7.7</b>	<b>7.6</b>	<b>7.5</b>	<b>7.8</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>
Unaffiliated.....	7.3	7.8	7.7	7.6	7.5	7.8	0.4	0.4	0.5	0.5	0.5	0.5
Affiliated.....												

n.a. Not available

\* Less than \$50 million.

1. Travel consists of expenditures by individuals who travel to foreign countries and are, thus, transactions between unaffiliated parties.

2. Passenger fares consist of fares paid by residents of one country to airline and vessel operators (carriers) that reside in another country and are, thus, transactions between unaffiliated parties.

3. Education consists of expenditures for tuition and living expenses by students studying in foreign countries and are, thus, transactions between unaffiliated parties. Education excludes fees associated with educational and training services provided on a contract or fee basis; these transactions, which may be affiliated or unaffiliated, are included in "other business, professional, and technical services."

4. Most insurance services transactions are deemed to be unaffiliated, even when they are between affiliated companies, because the services are deemed to be provided to the policyholders who pay the insurance premiums and who are unaffiliated with both insurance companies. The only insurance services considered to be affiliated are primary insurance transactions between a U.S. company that is not an insurance company and an affiliated foreign insurance company, such as a captive foreign insurance affiliate. Data on affiliated trade in

insurance services are not separately available; they are included in affiliated "other business, professional, and technical services."

5. Transactions in basic telecommunications services are deemed to be unaffiliated, even when the services flow through affiliated channels, because they represent the distribution of revenues collected from unaffiliated customers. Other types of telecommunications services, such as value-added services, may flow through either affiliated or unaffiliated channels. For the latter, unaffiliated telecommunications transactions are included under "telecommunications"; data on affiliated transactions are not separately available and are included in affiliated "other business, professional, and technical services."

6. Includes computer and data processing services and database and other information services.

7. Prior to 2001, affiliated transactions in this service were included in "other business, professional, and technical services." Beginning in 2001, data on this service were separately identified.

8. This category includes affiliated insurance transactions and affiliated telecommunications transactions; see footnotes 4 and 5. Prior to 2001, this category also included affiliated management and consulting services and affiliated research and development and testing services.

9. For the services included in "other unaffiliated services," see table 1, footnote 6.

The country with the largest decrease and the country with the largest increase in travel to the United States are both in Latin America. Receipts from Argentina, which have decreased nearly 75 percent since 2000, fell sharply in 2002, reflecting the deteriorating economic conditions in the Argentine economy. Receipts from Mexico, however, increased in 2002. Nearly two-thirds of the travel receipts from Mexico represent visits in the border area, which are typically day trips.

Travel payments decreased 4 percent in 2002, to \$58.0 billion, following a 7-percent decrease in 2001. Despite improving economic conditions in the United States, travel activity was sluggish for most of the year because of concerns about travel in the wake of the terrorist attacks. Like foreign travel to the United States, U.S. travel overseas picked up toward the end of 2002, but it remained well below pre-September 11<sup>th</sup> levels.

Travel payments to almost all of the overseas countries decreased. Travel payments to both Canada and Mexico, however, increased. The number of U.S. residents traveling to Canada by air and by land both decreased slightly in 2002, but their average expenditures increased. Payments by U.S. residents traveling in the Mexican border area increased faster than payments to the rest of the country.

### Passenger fares

Passenger fare receipts decreased 5 percent in 2002, to \$17.0 billion, following a 13-percent decrease in 2001. The decrease reflected the same factors that affected travel. These factors were partly offset by a small increase in the share of foreigners traveling on U.S. airlines rather than on foreign airlines. A falloff in receipts from Argentines traveling to the United States

**Table F. Intrafirm Trade in Services, by Type, 1997–2002**

[Billions of dollars]

	Total	Transportation <sup>1</sup>	Royalties and license fees <sup>2</sup>	Other private services							
				Total <sup>3</sup>	Business, professional, and technical services						Film and television tape rentals
					Financial services	Computer and information services	Management and consulting services	Research and development and testing services	Operational leasing	Other business, professional, and technical services <sup>4</sup>	
Receipts											
<b>Total transactions:</b>											
1997 .....	52.0	0.4	24.5	27.1	2.3	1.6	( <sup>5</sup> )	( <sup>5</sup> )	1.5	19.3	2.4
1998 .....	54.9	0.4	26.3	28.2	2.7	1.3	( <sup>5</sup> )	( <sup>5</sup> )	1.7	20.0	2.5
1999 .....	62.6	0.5	29.3	32.8	4.0	1.2	( <sup>5</sup> )	( <sup>5</sup> )	2.3	22.9	2.4
2000 .....	66.9	0.5	30.5	35.9	3.8	1.2	( <sup>5</sup> )	( <sup>5</sup> )	2.1	26.6	2.2
2001 .....	69.4	0.6	29.0	39.8	4.2	1.2	1.9	3.8	2.1	24.3	2.3
2002 .....	76.4	0.7	32.2	43.5	4.0	1.5	2.0	5.2	2.3	25.5	2.9
<b>U.S. parents' transactions:</b>											
1997 .....	40.8	0.4	23.1	17.3	1.4	1.4	( <sup>5</sup> )	( <sup>5</sup> )	1.2	10.9	2.4
1998 .....	42.9	0.4	24.4	18.1	1.8	1.3	( <sup>5</sup> )	( <sup>5</sup> )	1.4	11.2	2.5
1999 .....	50.3	0.5	27.6	22.2	2.5	1.1	( <sup>5</sup> )	( <sup>5</sup> )	1.9	14.3	2.4
2000 .....	51.9	0.5	28.3	23.1	2.8	1.1	( <sup>5</sup> )	( <sup>5</sup> )	1.8	15.2	2.2
2001 .....	52.4	0.6	27.0	24.8	3.4	1.1	1.2	1.2	1.8	13.8	2.2
2002 .....	54.9	0.7	29.1	25.2	3.0	1.3	1.3	1.2	1.9	13.7	2.9
<b>U.S. affiliates' transactions:</b>											
1997 .....	11.2	( <sup>6</sup> )	1.4	9.8	0.9	0.2	( <sup>5</sup> )	( <sup>5</sup> )	0.3	8.4	( <sup>6</sup> )
1998 .....	12.0	( <sup>6</sup> )	2.0	10.0	0.9	( <sup>6</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	0.3	8.8	( <sup>6</sup> )
1999 .....	12.3	( <sup>6</sup> )	1.7	10.6	1.5	0.1	( <sup>5</sup> )	( <sup>5</sup> )	0.4	8.6	( <sup>6</sup> )
2000 .....	15.0	( <sup>6</sup> )	2.2	12.8	1.0	0.1	( <sup>5</sup> )	( <sup>5</sup> )	0.3	11.4	( <sup>6</sup> )
2001 .....	17.0	( <sup>6</sup> )	2.0	15.0	0.8	0.1	0.7	2.6	0.3	10.4	( <sup>6</sup> )
2002 .....	21.5	( <sup>6</sup> )	3.2	18.3	1.0	0.2	0.8	4.1	0.5	11.8	( <sup>6</sup> )
Payments											
<b>Total transactions:</b>											
1997 .....	24.8	0.4	6.7	17.6	2.8	0.8	( <sup>5</sup> )	( <sup>5</sup> )	0.9	13.1	( <sup>6</sup> )
1998 .....	28.4	0.4	8.5	19.4	4.2	0.9	( <sup>5</sup> )	( <sup>5</sup> )	1.0	13.5	( <sup>6</sup> )
1999 .....	36.6	0.4	10.4	25.8	5.9	3.0	( <sup>5</sup> )	( <sup>5</sup> )	1.1	15.8	0.1
2000 .....	41.8	0.4	12.5	28.8	7.1	2.6	( <sup>5</sup> )	( <sup>5</sup> )	1.0	18.0	( <sup>6</sup> )
2001 .....	43.9	0.5	13.3	30.1	7.0	2.8	1.6	1.5	1.0	16.2	( <sup>6</sup> )
2002 .....	48.0	0.5	15.1	32.4	5.6	2.9	2.6	1.1	0.8	19.3	( <sup>6</sup> )
<b>U.S. parents' transactions:</b>											
1997 .....	10.8	0.4	1.4	9.0	2.5	0.5	( <sup>5</sup> )	( <sup>5</sup> )	0.1	5.9	( <sup>6</sup> )
1998 .....	12.6	0.4	1.8	10.4	3.3	0.6	( <sup>5</sup> )	( <sup>5</sup> )	0.1	6.4	( <sup>6</sup> )
1999 .....	18.2	0.4	2.3	15.5	4.7	2.7	( <sup>5</sup> )	( <sup>5</sup> )	0.1	7.9	0.1
2000 .....	19.2	0.4	2.5	16.3	5.4	2.4	( <sup>5</sup> )	( <sup>5</sup> )	0.1	8.4	( <sup>6</sup> )
2001 .....	19.8	0.5	2.5	16.8	5.2	2.6	0.5	0.6	0.1	7.8	( <sup>6</sup> )
2002 .....	21.0	0.5	3.0	17.5	4.9	2.7	0.5	0.6	0.1	8.8	( <sup>6</sup> )
<b>U.S. affiliates' transactions:</b>											
1997 .....	14.0	( <sup>6</sup> )	5.4	8.6	0.3	0.3	( <sup>5</sup> )	( <sup>5</sup> )	0.8	7.2	( <sup>6</sup> )
1998 .....	15.8	( <sup>6</sup> )	6.8	9.0	0.9	0.3	( <sup>5</sup> )	( <sup>5</sup> )	0.9	7.0	( <sup>6</sup> )
1999 .....	18.4	( <sup>6</sup> )	8.1	10.3	1.2	0.2	( <sup>5</sup> )	( <sup>5</sup> )	1.0	7.9	( <sup>6</sup> )
2000 .....	22.6	( <sup>6</sup> )	10.1	12.5	1.7	0.2	( <sup>5</sup> )	( <sup>5</sup> )	1.0	9.7	( <sup>6</sup> )
2001 .....	24.0	( <sup>6</sup> )	10.8	13.3	1.7	0.2	1.1	0.9	0.9	8.4	( <sup>6</sup> )
2002 .....	27.0	( <sup>6</sup> )	12.2	14.8	0.7	0.3	2.1	0.5	0.7	10.5	( <sup>6</sup> )

<sup>1</sup> Less than \$50 million.

<sup>2</sup> Included under "other transportation" in table 1.

<sup>3</sup> Equal to "affiliated royalties and license fees" in table 1.

<sup>4</sup> Equal to "affiliated other private services" in table 1.

<sup>5</sup> Includes affiliated telecommunications and affiliated insurance transactions; see footnotes 4 and 5, table E.

<sup>6</sup> Prior to 2001, management and consulting services were included in "other business, professional, and technical services." Beginning in 2001, data on management and consulting services were collected as a separate type of service.

<sup>7</sup> Prior to 2001, research and development and testing services were included in "other business, professional, and technical services." Beginning in 2001, data on research and development and testing services were collected as a separate type of service.

on U.S. airlines accounted for more than half of the decrease.

Passenger fare payments decreased 12 percent, to \$20.0 billion, following a 7-percent decrease. Almost all of the decrease was accounted for by a falloff in payments for travel to Europe. The share of U.S. residents traveling on foreign airlines rather than on U.S. airlines was little changed.

### Other transportation

Receipts for "other transportation" services increased 3 percent in 2002, to \$29.2 billion, following a 5-percent decrease in 2001. The increase was largely accounted for by a 5-percent increase in freight receipts. Port services receipts increased 1 percent, as a small increase in air port services was largely offset by a small decrease in ocean port services.

The increase in freight receipts reflected increases in air freight and "other freight" that were only partly offset by a small decrease in ocean freight. The increase in air freight was mostly attributable to higher freight rates. The increase in "other freight" was attributable to a pickup in receipts of U.S. firms for transporting goods by truck and for launching satellites for foreigners. Ocean freight fell slightly as tanker rates remained near record lows, U.S. tramp vessel revenues fell, and liner vessel revenues were unchanged. The volume of goods transported by U.S.-operated ocean carriers to Europe decreased.

Payments for "other transportation" services were virtually unchanged in 2002, at \$38.5 billion, following a 7-percent decrease in 2001. A small increase in freight services was offset by a decrease in port services.

Payments for air freight increased sharply, reflecting an increase in import volume. More than three-fourths of the increase resulted from higher air imports from Asia; a small part of the increase in air imports was due to a 10-day ocean port strike on the West coast of the United States toward the end of 2002. Despite the strike, import volume on liners was strong during the last half of the year. "Other freight" payments increased, reflecting a pickup in payments to Canadian carriers for transporting goods by truck in the United States. The increases in air and "other freight" more than offset a decrease in ocean freight.

The decrease in port services payments was attributable to a decrease in U.S. carriers' payments in foreign airports. The falloff in the number of U.S. air travelers led U.S. carriers to reduce the number of flights, resulting in lower expenditures abroad. Lower prices for jet fuel because of reduced demand also lowered U.S. carriers' expenditures in foreign ports.

### Royalties and license fees

U.S. receipts of royalties and license fees increased 7 percent in 2002, to \$44.1 billion, following a 5-percent decrease in 2001. The increase was entirely accounted for by affiliated transactions; unaffiliated transactions fell slightly. A nearly 60-percent increase in U.S. affiliates receipts from their foreign parents was concentrated in the pharmaceuticals industry.

Unaffiliated receipts from the rights to use and to distribute general-use computer software, the largest category of royalty and license fee receipts, were nearly \$5.0 billion in 2002, falling slightly from their level in 2001. Additional receipts from software-licensing agreements stemmed from transactions through affiliated (intrafirm) channels, but the value of these receipts cannot be separately identified (see the box "Delivery of Computer Services to Foreign Markets").

Unaffiliated royalties and license fees receipts may have been dampened in recent years by the transfer of intellectual property (such as patents, trademarks, and copyrights) to foreign affiliates. Under this practice, the affiliate rather than the U.S. parent company collects the royalties and license fees from unaffiliated foreign persons on sales of the products associated with the intellectual property, and the portion of the total amount received that is transferred by the affiliate to the parent, either as royalties and license fees or as income, is recorded in the international accounts as affiliated transactions rather than as unaffiliated royalties and license fees.<sup>7</sup> A variety of considerations may motivate these transactions. For example, intellectual property may be transferred to affiliates in countries with low taxes in order to reduce overall taxes, or it may be transferred in order to facilitate its adaptation to local markets, such as the adaptation of computer software to the local language and to the locally available hardware and operating systems.

Payments of royalties and license fees increased 15 percent in 2002, to \$19.3 billion, following a 1-percent increase in 2001. These payments have nearly quadrupled since 1993 and have been the fastest growing major category of services imports during this period. Most of the increase in 2002 was accounted for by payments by U.S. affiliates to their foreign parents, partly due to the entry of new affiliates. Payments by U.S.

7. The form and volume in which the royalty revenues of the foreign affiliate flow back to the U.S. parent company depend on the contractual arrangements governing the transfer. If the flows are in the form of royalties or license fees, they are recorded in affiliated royalties and license fees receipts. If they are in the form of income, they are recorded in direct investment income receipts. In either case, the flows are in the current account. Thus, these transfers may have reduced U.S. receipts of unaffiliated royalties and license fees, but the reduction may be offset by other receipts recorded elsewhere in the current account. In addition, these transfers may lead to increased sales through foreign affiliates.

companies to unaffiliated foreign companies also contributed to the increase. The increase in unaffiliated transactions was largely attributable to a jump in payments for the broadcasting and recording of live events, including payments to an international sports organization for rights to televise live sporting events.

## Other private services

### Receipts

Receipts for "other private services" increased 6 percent in 2002, to \$122.6 billion, following an 8-percent increase in 2001. Increases were widespread across most types of other private services (table E; for more detailed estimates, see tables 5–7 at the end of the article).

**Education receipts.** Receipts for education increased 11 percent in 2002, to \$12.8 billion, following an 11-percent increase in 2001. The number of foreign students studying in the United States increased 6 percent in both years, the largest percentage increases since 1980. In 2002, more than 580,000 foreign students studied in the United States. Roughly 45 percent of these students were graduate students, who accounted for nearly 15 percent of all the graduate students in the United States. The number of students from nearly every area of the world increased.

**Financial services receipts.** Financial services receipts increased 3 percent, to \$19.9 billion, in 2002, following a 1-percent increase in 2001. An increase in unaffiliated receipts was primarily attributable to an increase in brokerage commissions from securities transactions (table G). Brokerage commissions were higher as foreigners traded heavily in outstanding U.S. bonds; trading in stocks was up slightly. The increase in commissions was partly offset by a decrease in private placement and underwriting services, as foreigners reduced their new issues of both stocks and bonds in the United States. Management and advisory services decreased slightly; an increase in management services was offset by a decrease in financial advisory services that was due to the slow pace of merger and acquisition activity. Credit card and other credit-related services increased slightly, as gains in credit card services more than offset decreases in "other credit-related services." "Other financial services" increased mostly because of a gain in electronic funds transfer services. Transactions between affiliated parties decreased 5 percent in 2002. The decrease resulted from a falloff in transactions between U.S. parent companies and their foreign affiliates.

**Insurance services receipts.** Insurance services receipts increased 18 percent, to \$2.8 billion in 2002, fol-

### Delivery of Computer Services to Foreign Markets

For computer-related services, as well as for many other types of services, the means of delivery is further divided within the two major channels of cross-border trade and sales through affiliates. As a result, the total value of these services is scattered across several categories in the tables for cross-border trade and for sales by affiliates.

Cross-border exports to unaffiliated foreigners of "computer and data processing services" and "database and other information services" are shown in table 1 under "business, professional, and technical services."<sup>1</sup> Computer-related services that are delivered to foreign markets through cross-border software-licensing agreements are shown under "royalties and license fees."<sup>2</sup> Exports through agreements with unaffiliated foreigners are shown in table 4 in the column "general-use software." Exports through agreements with affiliated foreigners (intrafirm trade) are included in affiliated royalty and license fee transactions in table 1, but their value cannot be identified. Intrafirm exports of computer and information services, which consists of computer and

data processing services and of database and other information services, are shown in tables E and F.

The wages of U.S. residents who provide computer services to nonresidents is included in "compensation receipts" (line 17, table 1) of the U.S. international transactions accounts (ITAs), but their value cannot be identified. Compensation, which covers earnings of U.S. individuals who are employees of nonresident firms and the earnings of certain independent individuals who provide services to nonresidents, is classified in "income" in the ITAs rather than in services trade. If the U.S. individual goes abroad to provide these services, the length of stay must be less than 1 year; otherwise, the individual is considered a foreign resident.

Sales of computer-related services through foreign affiliates exceeded cross-border exports of these services in 2001, the most recent year for which comparable data are available, reflecting the advantages of a local presence when delivering these services to foreign customers (table 9.2). The available data on sales through affiliates are classified by primary industry of the affiliate rather than by type of service; thus, computer-related services may be sold not only through foreign affiliates in the computer services industry but also by affiliates in several other industries, particularly machinery manufacturing and wholesale trade.

1. For detailed estimates of the exports of these services to numerous countries and areas, see table 7.

2. Receipts and payments for general-use software that is packaged and physically shipped to or from the United States are included in trade in goods. The value of software that is preinstalled on computer equipment and peripherals is captured in the value of this hardware and thus also included in trade in goods.



lowing a 4-percent decrease in 2001. Insurance services are measured as total premiums minus the portion of premiums attributable to expected or "normal" losses.<sup>8</sup> (Premiums are reported by insurance companies to BEA, and the portion of premiums attributable to normal losses is estimated by BEA on the basis of the relationship between actual losses and premiums earned averaged over several years.<sup>9</sup>) In percentage terms, normal losses paid increased more strongly than premiums received in 2002 (48 percent and 40 percent, respectively), but in dollar terms, premiums increased more strongly, resulting in the increase in the estimate of services.

**Telecommunications services receipts.** Receipts for telecommunications services decreased 9 percent in 2002, to \$4.1 billion, following a 16-percent increase in 2001. Reductions in calling rates continued to reduce the value of basic message telephone services. In addition, alternative channels of telecommunications that enable companies to obtain enhanced services have resulted in lower demand for basic message telephone services. The share of telecommunications services receipts that is attributable to message telephone and other basic telecommunications services has decreased since 1996, as transactions associated with privately leased channel services, value-added services (such as videoconferencing and broadband access services), and support services have surged (see table I in the appendix to this article).

**Business, professional, and technical services receipts.** Business, professional, and technical (BPT) services receipts increased 6 percent, to \$65.4 billion in 2002, following a 12-percent decrease in 2001. The three largest BPT services categories—"other BPT" services; computer and information services; and research and development (R&D) and testing services—

account for more than four-fifths of BPT receipts (table E). Receipts for computer and information services, which changed little in 2000-2001, increased in 2002, as an increase in affiliated services more than offset a decrease in unaffiliated services. These services may be delivered to foreign markets in several different ways (see the box "Delivery of Computer Services to Foreign Markets"). R&D services increased about 30 percent. "Other BPT" services—which increased 5 percent, to \$35.6 billion—continued to account for most BPT receipts in 2002. This category consists of allocated expenses (which represent charges by parent companies on their operating units for overhead and support activities except those related to R&D services and to management and consulting) and professional and technical services, such as public relations, advertising, and legal services.

**Film and television tape rentals receipts.** Film and television tape rentals receipts increased 10 percent, to \$9.8 billion, following a 3-percent increase. These services cover receipts for the rights to display, reproduce, and distribute U.S. motion pictures and television programming abroad.

#### Payments

Payments for "other private services" increased 10 percent in 2002, to \$69.4 billion, following a 10-percent increase in 2001. The increase in 2002 was mostly accounted for by a large increase in insurance services (table E; for more detailed estimates, see tables 5-7 at the end of the article).

**Education payments.** Education payments increased 9 percent in 2002, to \$2.5 billion, following a 12-percent increase in 2001. Roughly 90 percent of U.S. students studying abroad attend semester-long or shorter term programs. About 40 percent of the U.S. students studying abroad attend educational institutions in three countries—the United Kingdom, Italy, and Spain.

**Financial services payments.** Financial services payments decreased 15 percent, to \$9.3 billion, in

8. Insurance services also include auxiliary insurance services, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services.

9. For a detailed description of the new methodology, see Christopher L. Bach, "Annual Revision of the U.S. International Accounts, 1992-2002," SURVEY 83 (July 2003): 35-37.

**Table G. Unaffiliated Financial Services Transactions, 1994-2002**

[Millions of dollars]

	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>RECEIPTS</b>									
<b>Total</b> .....	5,763	7,029	8,229	10,243	11,327	13,410	15,522	15,228	15,859
Securities transactions <sup>1</sup> .....	2,927	3,253	3,917	4,715	4,690	4,833	5,458	5,117	5,789
Management and advisory <sup>2</sup> .....	1,479	1,665	1,886	2,553	3,219	4,687	6,209	5,599	5,405
Credit card and other credit-related.....	1,093	1,423	1,472	1,839	2,030	1,959	2,122	2,310	2,334
Other <sup>3</sup> .....	664	688	954	1,136	1,388	1,931	1,733	2,202	2,331
<b>PAYMENTS</b>									
<b>Total</b> .....	1,654	2,472	2,907	3,347	3,590	3,418	4,564	4,049	3,665
Securities transactions <sup>1</sup> .....	956	1,506	1,654	1,943	1,949	1,748	2,403	1,942	1,444
Management and advisory <sup>2</sup> .....	327	348	401	406	545	627	673	471	478
Credit card and other credit-related.....	204	327	372	390	403	407	431	579	643
Other <sup>3</sup> .....	167	291	480	608	693	636	1,057	1,057	1,100

1. Includes brokerage, underwriting, and private placement services.

2. Includes financial management, financial advisory, and custody services.

3. Includes securities lending, electronic funds transfer, and other financial services.

2002, following a 6-percent decrease in 2001. A decrease in unaffiliated transactions in 2002 was attributable to a decrease in brokerage commissions from securities transactions (table G). Private placement and underwriting services decreased sharply because of a significant slowdown in new issues of U.S. stocks and bonds abroad. Securities brokerage commissions changed little. Financial management and advisory services increased slightly. Credit card and other credit-related services increased because of gains in credit card services. Financial services transactions between affiliated parties decreased 20 percent; most of the decrease resulted from transactions between U.S. affiliates and their foreign parents.

**Insurance services payments.** Insurance services payments increased 32 percent, to \$15.3 billion, in 2002 after increasing 53-percent increase in 2001.<sup>10</sup> The increase in premiums paid reflected substantially higher rates, as foreign reinsurers sought to recoup past losses (including investment losses) and to ensure that they maintained adequate reserves based on their assessments of the current risk environment. Rates for property-casualty policies in major metropolitan areas surged; the increased rates partly reflected the additional costs associated with specialty policies and coverage, including protection against terrorism-related losses.

**Telecommunications services payments.** Payments for telecommunications services decreased 12 percent in 2002, to \$4.2 billion, after decreasing by the same percentage in 2001. Like receipts, payments were also driven down by reductions in calling rates, and the reduction more than offset an increase in the volume of calls. The share of telecommunications services that is attributable to basic telecommunications services is much higher for telecommunications receipts than for payments because foreign companies provide relatively little value added, support, and other types of nonmessage services to U.S. residents (table I in the appendix to this article).

**Business, professional, and technical services payments.** Business, professional, and technical (BPT) services payments increased 13 percent, to \$37.5 billion, following a 9-percent increase. The largest share of BPT services activities are accounted for by "other BPT" services, which consists of allocated expenses (which represent charges by parent companies on their operating units for overhead and support activities ex-

cept those related to R&D services and to management and consulting) and professional and technical services, such as public relations, advertising, and legal services. The increase in "other BPT" services in 2002 was largely attributable to payments by U.S. affiliates to their foreign parents (table F).

**Film and television tape rentals payments.** Film and television tape rentals payments doubled to \$0.2 billion in 2002. However, payments for these rentals remained much smaller than receipts for these rentals, reflecting the smaller U.S. audience for foreign films and television programming, compared with the large foreign audience for U.S. films and television programming.

### Sales Through Affiliates in 2001

In 2001, the latest year for which data are available, worldwide sales (the combined sales to foreign and U.S. persons) of services by U.S. multinational companies through their nonbank, majority-owned foreign affiliates were \$456.1 billion, up 5 percent from 2000. Worldwide sales of services by foreign multinational companies through their nonbank, majority-owned U.S. affiliates were \$394.5 billion, up 6 percent (table H).<sup>11</sup>

11. In this section, sales of services are defined as sales that are typically associated with selected industry groups, which are listed in the note to table H.

**Table H. Sales of Services by U.S. MNCs Through Their Nonbank MOFAs and by Foreign MNCs Through Their Nonbank MOUSAs, 2000-2001**  
[Millions of dollars]

	2000	2001
<b>Sales through MOFAs</b>		
Total.....	432,769	456,085
To affiliated persons.....	41,775	56,969
To unaffiliated persons.....	390,994	399,116
To U.S. persons.....	19,299	23,906
To U.S. parents.....	13,864	19,784
To unaffiliated U.S. persons.....	5,435	4,122
To foreign persons.....	413,470	432,179
To other foreign affiliates.....	27,911	37,185
To unaffiliated foreign persons.....	385,559	394,994
Local sales.....	372,342	381,578
To other foreign affiliates.....	11,764	13,197
To unaffiliated foreigners.....	360,578	368,381
Sales to other countries.....	41,128	50,601
To other foreign affiliates.....	16,147	23,988
To unaffiliated foreigners.....	24,981	26,613
<b>Sales through MOUSAs</b>		
Total.....	372,036	394,521
To U.S. persons.....	344,389	366,896
To foreign persons.....	27,647	27,624
To the foreign parent group.....	10,647	11,001
To foreign affiliates.....	785	636
To other foreigners.....	16,215	15,987

NOTE: Depository institutions are excluded because data are not available.

In this table, sales of services through affiliates are those typical of establishments in the following industries derived from the North American Industry Classification System: Utilities; transportation and warehousing; information; finance and insurance; real estate and rental and leasing; professional, scientific, and technical services; management of companies and enterprises; administrative and support, waste management, and remediation services; educational services; health care and social assistance; arts, entertainment, and recreation; accommodation and food services; support activities for agriculture and forestry; support activities for oil and gas operations; support activities for mining; and other services.

MNC Multinational company  
MOFA Majority-owned foreign affiliate  
MOUSA Majority-owned U.S. affiliate

10. As noted earlier, insurance services are measured as total premiums on primary insurance and reinsurance minus the portion of premiums attributable to expected or "normal" losses. Insurance services also include auxiliary insurance services, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services.

Sales by affiliates—of both goods and services—are predominantly local transactions. In 2001, 84 percent of worldwide sales of services by foreign affiliates of U.S. companies were local sales—that is, transactions with parties located in the same country as the affiliate; the corresponding share for goods was 61 percent. Services' larger share reflects the importance of proximity to the customer in the delivery of services. Partly reflecting the large U.S. market, local sales accounted for 93 percent of sales of services by U.S. affiliates of foreign companies and for an estimated 91 percent of sales of goods.<sup>12</sup>

Sales of services to foreign persons by nonbank foreign affiliates (that is, their local sales plus their sales to other foreign countries) and sales of services to U.S. persons by nonbank U.S. affiliates (that is, their local sales) both represent services delivered to international markets through the channel of direct investment. These sales are presented by country of foreign affiliate or by country of the U.S. affiliates' ultimate beneficial owner (UBO) for 1994–2001 in table 8.<sup>13</sup> Tables 9.1 and 9.2 present sales by primary industry of the foreign affiliate cross-classified by country in 2000 and 2001. Tables 10.1 and 10.2 present sales by primary industry of the U.S. affiliate cross-classified by country of UBO in 2000 and 2001.

### Foreign affiliates' sales to foreign persons

In 2001, sales of services to foreign customers by nonbank, majority-owned foreign affiliates of U.S. companies were \$432.2 billion. By area, affiliates in Europe accounted for 54 percent of the total sales, followed by affiliates in Asia and Pacific (20 percent), Latin America and Other Western Hemisphere (13 percent), and Canada (12 percent). By country, the United Kingdom accounted for the largest share of sales, followed by Canada, Japan, and Germany.

By industry sector, sales of services were largest in finance (except depository institutions) and insurance; in utilities; in professional, scientific, and technical services; and in information. In nonbank finance and insurance, affiliates in insurance accounted for the majority of sales. In professional, scientific, and technical services, the largest sales were by affiliates in com-

puter systems design and related services, followed by affiliates in architectural, engineering, and related services and in management, scientific, and technical consulting.<sup>14</sup> In information, the largest sales were by affiliates in broadcasting and telecommunications (primarily telecommunications), followed by affiliates in information services and data processing services and in publishing industries.

Sales of services abroad by foreign affiliates increased 5 percent in 2001 after increasing 17 percent in 2000. Growth in sales slowed in 2001 because of slow economic growth in many of the countries that are important markets for sales of services abroad, including the United Kingdom, Canada, Japan, and Germany. In addition, growth in sales of services from 1998 to 2000 had been stimulated by exceptionally high levels of cross-border mergers and acquisitions. However, this period ended after 2000. As a result, in 2001, there were fewer newly acquired businesses to fuel the growth in sales of services.

By region, affiliates in Europe had the largest increase in sales, followed by those in Latin America and Other Western Hemisphere. Within Europe, the United Kingdom, the Netherlands, and Germany accounted for most of the increase. In the United Kingdom, affiliates in utilities accounted for the largest share of the increase, followed by affiliates in finance (except depository institutions) and insurance and in information. In utilities, the increase was largely attributable to sales by newly acquired utility companies and to growth in sales by energy traders. In nonbank finance and insurance, the increase was largely the result of increased sales by existing affiliates in securities, commodity contracts, and other intermediation and related activities; in information, the increase largely resulted from increased sales by affiliates in information and data processing services. In the Netherlands, the increase was largely in utilities and was entirely attributable to increased sales by energy traders. In Germany, the increase was largely in nonbank finance and insurance and was due to growth in sales by finance affiliates, mostly those associated with manufacturing firms. In Latin America and Other Western Hemisphere, the increase in sales was mainly accounted for by newly acquired Mexican affiliates in nonbank finance and insurance and newly acquired utilities in several Latin American countries. In Asia and Pacific and in the Middle East, sales of services fell. In Asia

12. Because the data on sales of goods by U.S. affiliates are not disaggregated by destination, the local and foreign shares have been estimated from the data on exports of goods shipped by affiliates. In 2001, these exports represented 9 percent of total sales of goods by these affiliates.

13. The UBO of a U.S. affiliate is that person (in the broad legal sense, including a company), proceeding up the affiliate's ownership chain beginning with the foreign parent, that is not owned more than 50 percent by another person. The UBO ultimately owns or controls the affiliate and derives the benefits associated with ownership or control. Unlike the foreign parent, the UBO of a U.S. affiliate may be located in the United States.

14. Computer-related services are also likely to have been sold by affiliates classified in other industries, especially those in computers and electronic products manufacturing and in wholesale trade of professional and commercial equipment and supplies. See the box "Delivery of Computer Services to Foreign Markets" on page 68.

and Pacific, the decrease was spread across many industries. In the Middle East, the decrease was largely in information and reflected the completion of a few large contracts.

By industry sector, the largest increases were in utilities, in finance (except depository institutions) and insurance, and in information. In utilities, the increase was attributable to new acquisitions and to the increased sales of energy traders in Europe. In nonbank finance and insurance, the increase was due to new acquisitions in Mexico and to increased sales by affiliates in Germany and the United Kingdom. In information, the increase reflected increased sales by affiliates in information services in the United Kingdom and by affiliates in software publishing in Japan.

### U.S. affiliates' sales in the United States

In 2001, sales of services to U.S. customers by nonbank majority-owned U.S. affiliates of foreign companies

were \$366.9 billion. By area of the affiliates' ultimate beneficial owner (UBO), Europe accounted for the largest share of total sales (68 percent), followed by Canada (13 percent), Asia and Pacific (11 percent), and Latin America and Other Western Hemisphere (7 percent). By country of UBO, the United Kingdom accounted for the largest share of sales, followed by Canada, the Netherlands, France, and Germany.

By industry sector, the largest sales were in finance (except depository institutions) and insurance, followed by information and by professional, scientific, and technical services. Insurance accounted for most of the sales in nonbank finance and insurance. In information, the largest sales were in broadcasting and telecommunications (primarily telecommunications), followed by publishing. In professional, scientific, and technical services, the largest sales were in advertising.

U.S. affiliates' sales of services in the United States increased 7 percent in 2001 after increasing 17 percent

#### Types of Cross-Border Services: Coverage and Definitions

The estimates of cross-border transactions cover both affiliated and unaffiliated transactions between U.S. residents and foreign residents. Affiliated transactions consist of intrafirm trade within multinational companies—specifically, the trade between U.S. parent companies and their foreign affiliates and between U.S. affiliates and their foreign parent groups. Unaffiliated transactions are with foreigners that neither own, nor are owned by, the U.S. party to the transaction.

Cross-border trade in private services is classified into the same five, broad categories that are used in the U.S. international transactions accounts—travel, passenger fares, “other transportation,” royalties and license fees, and “other private services.”

**Travel.** The travel accounts cover purchases of goods and services by U.S. persons traveling abroad and by foreign travelers in the United States for business or personal reasons. These goods and services include food, lodging, recreation, gifts, entertainment, and other items incidental to a foreign visit. Expenditures for local transportation in the country of travel are also covered. U.S. travel transactions with both Canada and Mexico include border transactions, such as day trips for shopping and sightseeing.

A “traveler” is a person who stays less than a year in a country and is not a resident of that country. Diplomats and military and civilian government personnel are not classified as travelers regardless of their length of stay; their expenditures are included in other international transactions accounts. Students' educational expenditures and living expenses and medical patients' expenditures are included in “other private services.”

**Passenger fares.** The passenger fare accounts cover fares paid by residents of one country to airline and vessel operators (carriers) that reside in another country. Receipts consist of fares received by U.S. air carriers from

foreign residents for travel between the United States and foreign countries and between two foreign points and by U.S. vessel operators for travel on cruise vessels. Payments consist of fares paid by U.S. residents to foreign air carriers for travel between the United States and foreign countries and to foreign vessel operators for travel on cruise vessels.

**“Other transportation.”** The “other transportation” accounts cover U.S. international transactions arising from the transportation of goods by ocean, air, land (truck and rail), pipeline, and inland waterway carriers to and from the United States and between two foreign points. The accounts cover freight charges for transporting exports and imports of goods and expenses that transportation companies incur in U.S. and foreign ports. Freight charges cover the receipts of U.S. carriers for transporting U.S. exports of goods, for transporting goods between two foreign points, and the payments to foreign carriers for transporting U.S. imports of goods. (Freight insurance on goods exports and imports is included in insurance in the “other private services” accounts.)

Port services receipts consist of the value of the goods and services purchased by foreign carriers in U.S. ports. Port services payments consist of the value of goods and services purchased by U.S. carriers in foreign ports.

**Royalties and license fees.** The royalties and license fees accounts cover transactions with nonresidents that involve patented and unpatented techniques, processes, formulas, and other intangible assets and proprietary rights used in the production of goods; transactions involving trademarks, copyrights, franchises, broadcast rights, and other intangible rights; and the rights to distribute, use, and reproduce general-use computer software.

*continued on page 73*

in 2000. Weak U.S. economic growth coincided with the end of the period of exceptionally high levels of cross-border mergers and acquisitions that had contributed to the growth in sales of services by U.S. affiliates from 1998 to 2000. New direct investments by foreign multinational companies decreased significantly in 2001, falling 56 percent from the record level established in 2000.<sup>15</sup> However, despite the decrease in cross-border merger and acquisition activity, the increase in sales of services in 2001 was mostly attributable to the acquisitions that did occur.

15. According to data from BEA's survey of new foreign direct investment in the United States (FDIUS), outlays to acquire or establish U.S. businesses were \$147.1 billion in 2001, down from \$335.6 billion in 2000; see Thomas W. Anderson, "Foreign Direct Investment in the United States: New Investment in 2002," *SURVEY* 83 (June 2003): 55–62. These data cover only transactions involving U.S. businesses newly acquired or established by foreign direct investors. For additional information about FDIUS, including transactions involving both new and existing U.S. affiliates, see Zeile, "Operations in 2001" and Maria Borgia and Daniel R. Yorgason, "Direct Investment Positions in 2001: Country and Industry Detail," *SURVEY* 82 (July 2002): 21–31. (These articles contain preliminary data for 2001; for the direct investment position, revised data for 2001 were published in Maria Borgia, "Direct Investment Positions in 2002: Country and Industry Detail," *SURVEY* 83 (July 2003): 22–31.)

The largest increase in affiliates' sales of services was by affiliates with UBO's in Europe. Within Europe, the largest increases were by French and Dutch affiliates. For France, the largest increases were by affiliates in the motion picture and sound recording industry and in the food services and drinking places industry. The increased sales of services by affiliates in these industries resulted from acquisitions, some of which were of existing U.S. affiliates owned by investors in other countries. Consequently, a portion of the increase in sales of services by French-owned affiliates was offset by decreases in the sales of services by affiliates from the countries of the former foreign parents. For the Netherlands, the increase was more than accounted for by increased sales by nonlife insurance carriers, mainly due to acquisitions. The second largest increase in sales of services was by affiliates with UBO's in Latin America and Other Western Hemisphere, largely due to affiliates in management, scientific, and technical consulting with UBO's in Bermuda. These affiliates resulted from inversions in ownership for U.S. companies that had previously been headquartered in the

#### Types of Cross-Border Services: Coverage and Definitions—*continued*

**"Other private services."** These accounts consist of other affiliated and unaffiliated services. The unaffiliated services consist of six major categories: Education; financial services; insurance; telecommunications; business, professional, and technical services; and "other unaffiliated services."

Education receipts consist of expenditures for tuition and living expenses by foreign students enrolled in U.S. colleges and universities. Payments consist of tuition and living expenses of U.S. students for study abroad. Education excludes fees associated with distance-learning technologies and educational and training services provided on a contract or fee basis; these transactions are included in training services under business, professional, and technical services.

Financial services cover a variety of services that include funds management, credit card services, explicit fees and commissions on transactions in securities, fees on credit-related activities, and other financial services. Implicit fees paid and received on bond trading are also covered.

Insurance consists of the portion of premiums earned or incurred for primary insurance and for reinsurance that is for the provision of services. It therefore excludes the portion of premiums earned or incurred that is for the payment of expected or "normal" losses. It also includes auxiliary insurance services, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Primary insurance mainly consists of life insurance and property and casualty insurance, and each type may be reinsured.<sup>1</sup>

Telecommunications consists of receipts and payments between U.S. and foreign communications companies for the transmission of messages between the United States and other countries; channel leasing; telex, telegram, and other jointly provided basic services; value-added services, such as electronic mail, video conferencing, and online access services (including Internet backbone services, router services, and broadband access services); and telecommunications support services.

Business, professional, and technical services cover a variety of services, such as legal services, accounting services, and advertising services (see the list in table 1).

"Other unaffiliated services" receipts consist mainly of expenditures (other than employee compensation) by foreign Governments in the United States for services such as maintaining their embassies and consulates; non-compensation-related expenditures by international organizations—such as the United Nations, the International Monetary Fund, and the World Bank—that are headquartered in the United States; expenditures of foreign residents employed temporarily in the United States; and receipts from unaffiliated foreigners for the display, reproduction, or distribution of motion pictures and television programs. Payments consist primarily of payments by U.S. distributors to unaffiliated foreign residents for the display, reproduction, or distribution of foreign motion pictures and television programs.

1. Reinsurance is the ceding of a portion of a premium to another insurer who then assumes a corresponding portion of the risk. Reinsurance is one way of providing coverage for events with so high a degree of risk or liability that a single insurer is unwilling or unable to underwrite insurance against their occurrence.

United States or that had been units of U.S.-headquartered companies.<sup>16</sup> Elsewhere in Latin America and Other Western Hemisphere, the acquisitions of new affiliates providing support activities for mining operations boosted the sales of services. Sales of services by affiliates with UBO's in Asia and Pacific fell; the decrease was more than accounted for by Japanese-owned affiliates and was due to reduced sales by existing affiliates in computers and electronics manufacturing and in motor vehicle wholesaling. Sales of services by Canadian-owned affiliates fell because of the selloffs of affiliates in the information sector.

By industry sector, the largest increase in sales of services by U.S. affiliates was by affiliates in professional, scientific, and technical services, followed by those in utilities, in the accommodation and food services industry, and in finance (except depository institutions) and insurance. The increase in professional, scientific, and technical services was due to the entry of new affiliates, including those created by corporate inversions. For utilities, accommodation and food services, and nonbank finance and insurance, the increases were largely the result of acquisitions.

### **Appendix: Improvements to BEA's Estimates of U.S. International Services, 1990–2003**

In this appendix, the improvements to BEA's estimates of U.S. international services since 1990 are summarized. The improvements are shown in the year in which they were made. The discussion identifies how far back each of the improvements resulting from new estimation methods or reclassification was carried. Improvements resulting from the expanded coverage of BEA's surveys, with the exception of the 1994 and 1999 benchmark surveys of financial services transactions (see below), begin the year that the survey was conducted.

#### **1990**

Services were redefined to exclude investment income. This improvement was carried back to the estimates for 1960.

#### **1992**

Trade in services between affiliated enterprises began to be recorded on a gross basis. The adoption of a

methodology for recording these transactions on a gross basis was implemented both for royalties and license fees and for transactions recorded in the "other private services" account. This improvement was carried back to the estimates for 1982. Previously, services transactions between U.S. parent companies and their foreign affiliates had been netted and recorded under services exports, and similar transactions between U.S. affiliates of foreign companies and their foreign parents had been netted and recorded under services imports. This treatment obscured the two-way flow of intrafirm services trade, and as a result, total exports and imports of services were understated.

Using better source data improved the coverage and accuracy of the travel, passenger fares, and transportation accounts. Partner-country data began to be used in developing estimates of travel transactions with Mexico. New estimates of U.S. international cruise transactions, of interline settlements between U.S. airlines and foreign airlines, and of U.S. rail carriers' revenues for transporting foreign-owned goods shipped through the United States from one foreign destination to another were introduced. These improvements, except for the improvement to rail travel, were carried back to the estimates for 1984; the improvement to rail travel was carried back to the estimates for 1986.

The results of the second benchmark survey of Selected Services Transactions with Unaffiliated Foreign Persons for 1991 were presented. The previous benchmark survey covered transactions in 1986. The once-every-5-year benchmark survey primarily covers business, professional, and technical services. It provides a more detailed breakdown of certain types of services than is available from BEA's annual surveys. The coverage of the benchmark survey was expanded by introducing a new exemption criterion and by adding several new types of services, including "miscellaneous disbursements" (such as outlays to fund news-gathering costs of broadcasters and disbursements to fund production costs of motion pictures companies).

Royalties and license fees and "other private services" began to be recorded *before* the deduction of withheld nonresident taxes. Previously, these transactions were recorded *after* the deduction of withheld taxes. These improvements were carried back to the estimates for 1982.

#### **1994**

Monthly estimates of U.S. international services transactions were introduced in a joint news release with the Bureau of Census on "U.S. International Trade in Goods and Services." The release, which replaced a Census Bureau release on trade in goods, responded to the increased emphasis on services by economic ana-

16. A corporate inversion occurs when a U.S. corporation forms a corporation, typically in a foreign low- or no-tax country and simultaneously "inverts" the corporate chain of ownership, so that the new foreign corporation becomes the parent company and the U.S.-based company becomes its affiliate. While the U.S. affiliate in an inverted corporate structure is owned by a foreign parent company, that company, in turn, generally is largely or wholly owned by U.S. persons—namely, the U.S. affiliate's former stockholders.

lysts and policymakers and the need for more timely measures of services activity. It provided a few highly aggregated series on services, which were mainly estimated by indicator series.

In addition, a new measure of expenditures of foreign embassies and consular offices in the United States was introduced. This improvement was carried back to the estimates for 1993.

### 1995

Estimates of freight charges for the transportation of goods by truck between the United States and Canada were introduced. The addition of these charges recognized the following: The impact of deregulation in the 1980s that opened truck transportation in the United States and Canada to each other's carriers; the growing importance of the transportation of goods by truck as the volume of United States-Canadian trade expanded; and the encouragement of commerce between the United States and Canada due to the United States-Canada Free Trade Agreement (1989) and the North American Free Trade Agreement (1993). This improvement was carried back to the estimates for 1986.

### 1996

More accurate and complete estimates of transactions in financial services were introduced, based on BEA's first (1994) Benchmark Survey of Financial Services Transactions Between U.S. Financial Services Providers and Unaffiliated Foreign Persons. The estimates replaced partial estimates that had been prepared by indirect methods. The results from this benchmark survey were used to revise BEA's estimates back to 1992. Less comprehensive annual surveys of financial services were begun to provide coverage between benchmark years.

### 1997

The results of the third Benchmark Survey of Selected Services Transactions With Unaffiliated Foreign Persons were released. The survey, which covered 1996, provided data that filled in gaps in several new, growing, and volatile services categories, mainly in business, professional, and technical services.

Estimates of affiliated royalties and license fees and affiliated "other private services" were revised to incorporate the results of the 1992 Benchmark Survey of Foreign Direct Investment in the United States.

Several improvements to the transportation estimates were made by incorporating newly available source data. Census Bureau data on freight charges for the transportation of goods by truck between the United States and Canada replaced the BEA projections that had previously been used to estimate truck

receipts and payments. In addition, estimates of foreign-operated ocean carriers' expenses in U.S. ports were revised to reflect newly available data—from a BEA survey of ocean transportation—on the types of expenses incurred in U.S. ports by foreign ocean carriers. These improvements were carried back to the estimates for 1992.

The preliminary results of the annual surveys of financial services for 1995 and 1996 were incorporated into the estimates of financial services. The incorporation of these data updated results from the first benchmark survey of financial services with unaffiliated foreigners for 1994.

### 1998

Computer software royalties and license fees were reclassified to royalties and license fees from "other private services" in order to better reflect the nature of these transactions as involving intangible assets and to combine them with similar transactions. This improvement was carried back to the estimates for 1992.

"Operational leasing of transportation equipment without crew" was reclassified from the transportation accounts to "other private services." This reclassification consolidated most types of operational leasing into one account, and it is consistent with international guidelines. The reclassification reflected the availability of improved source data—from BEA's surveys of selected services—on leasing of other types of equipment. This improvement was carried back to the estimates for 1986.

New detail on intrafirm trade in services that identified some of the types of services traded within multinational firms was published. This detail was first collected in the 1994 benchmark survey of U.S. direct investment abroad and was presented in the publication of the final results of that survey. An annual series was introduced in the 1998 article on U.S. international sales and purchases of services. (Similar data for U.S. affiliates were first collected on the 1997 benchmark survey of foreign direct investment in the United States.)

### 1999

Compensation of employees, which was previously included indistinguishably in services, was reclassified to the income account to achieve consistency with international guidelines. This improvement was carried back to the estimates for 1986.

Improved estimates of medical services provided to foreign residents at U.S. hospitals were introduced. The new estimates used both an improved methodology and newly available source data. This improvement was carried back to the estimates for 1997.

Estimates of U.S. residents' expenditures while traveling overseas were revised to incorporate the results of a one-time survey covering 1998. The results of the survey, which was completed by U.S. residents after they returned, were compared with the results of the International Trade Administration's in-flight survey, which BEA uses to estimate U.S. travelers' expenditures and which is completed by travelers when they departed. BEA used the data from the one-time survey to develop adjustment factors that can be applied to the in-flight survey data.

## 2000

Improved estimates were introduced for several items, including noncompensation expenditures by foreign embassies and consulates and by international organizations in the United States, and expenditures of temporary nonagricultural workers in the United States. These improvements were carried back to the estimates for 1986.

Estimates of financial services were revised to incorporate the results from the 1999 benchmark survey of financial services transactions. The results from this survey were used to revise BEA's estimates back to 1997.

## 2001

Estimates of intrafirm trade in services for U.S. affiliates of foreign companies were presented for the first time, and a new table for intrafirm trade in services by type that better integrated these data with the international transactions accounts was introduced.

Estimates of affiliated royalties and license fees and affiliated other private services were revised to incorporate the results of the 1997 Benchmark Survey of Foreign Direct Investment in the United States.

## 2002

"Other private services" receipts and payments were revised to incorporate the results from BEA's benchmark survey of selected services transactions with unaffiliated foreigners for 2001. The survey was also updated to cover services that are becoming increasingly important in the global market; for example, telecommunications "value-added services" was updated to include a specific reference to broadband access services, and "other business, professional, and technical services" was updated to include auction services and waste treatment services.

## 2003

BEA implemented a new method to measure insurance

services. Insurance services were previously measured as premiums less actual losses paid or recovered. A major shortcoming of the previous measure is that losses can fluctuate from period to period in a way that bears little relation to the services provided. Using the new method, the services are measured as premiums less expected, or "normal," losses; normal losses are inferred from the relationship between actual losses and premiums averaged over several years. This improvement was carried back to the estimates for 1992. In addition, auxiliary insurance services were reclassified from business, professional, and technical services to insurance.

The results of the 2001 Benchmark Survey of Selected Services Transactions With Unaffiliated Foreign Persons were released.

**Table 1. Detail Collected in the 1996 and 2001 Benchmark Survey of Selected Services Transactions With Unaffiliated Foreign Persons**

[Billions of dollars]

	1996	2001
<b>U.S. receipts</b>		
Agricultural services .....	(*)	0.1
Computer and data processing services .....	1.6	3.2
Data entry, processing, and tabulation .....	0.3	0.8
Systems analysis, design, engineering, and custom programming .....	0.6	1.8
Integrated hardware/software systems .....	0.3	0.3
Other .....	0.4	0.4
Data base and other information services .....	1.2	2.2
Business and economic data base services .....	0.3	0.4
Medical, legal, technical, demographic, bibliographic, and similar data base services .....	0.1	(D)
General news services .....	(*)	0.1
Other .....	0.7	(D)
Employment agencies and temporary help services .....	0.1	0.1
Mailing, reproduction, and commercial art .....	(*)	(*)
Management of health care facilities .....	(*)	(*)
Miscellaneous Disbursements .....	0.3	0.2
Disbursements to fund production costs of motion pictures .....		
All other disbursements <sup>1</sup> .....	0.3	0.2
Telecommunications .....	3.3	4.5
Message telephone services .....	2.6	2.5
Private leased channel services .....	0.4	(D)
Telex, telegram, and other jointly-provided (basic) services .....	(*)	0.1
Value added services .....	(*)	0.7
Support services .....	0.2	(D)
<b>U.S. payments</b>		
Agricultural services .....	(*)	(*)
Employment agencies and temporary help services .....	(*)	(*)
Mailing, reproduction, and commercial art .....	(*)	(*)
Management of health care facilities .....	(*)	(*)
Miscellaneous Disbursements .....	0.8	1.4
Disbursements to fund production costs of motion pictures .....	0.2	0.5
All other disbursements <sup>1</sup> .....	0.6	0.9
Telecommunications .....	8.3	4.8
Message telephone services .....	8.2	4.2
Private leased channel services .....	(*)	0.2
Telex, telegram, and other jointly-provided (basic) services .....	(*)	(D)
Value added services .....	(*)	0.2
Support services .....	(*)	(D)

<sup>1</sup> Revised

\* Less than \$50 million.

D Suppressed to avoid disclosure of data of individual companies.

1. Consists of disbursements to fund news-gathering costs of broadcasters and print media and production costs of broadcast program material other than news; disbursements to fund production costs of motion pictures; disbursements to maintain government tourism and business promotion office; and disbursements for sales promotion and representation. Payments also include disbursements to participate in foreign trade shows.

Note. Details may not add to totals because of rounding.



### Data Sources

The estimates in this article are primarily based on data from the surveys conducted by the Bureau of Economic Analysis (BEA). However, the estimates for some services are based on data from a variety of other sources, including the U.S. Customs Service, surveys conducted by other Federal Government agencies, private sources, and partner countries.

BEA conducts 11 surveys of cross-border trade with unaffiliated foreigners—that is, with foreigners that neither own nor are owned by the U.S. party to the transaction. These surveys cover six broad categories of services: (1) Selected services (mainly miscellaneous business, professional, and technical services), (2) construction, engineering, architectural, and mining services, (3) insurance, (4) financial services, (5) royalties and license fees, and (6) transportation. Each of these categories is covered by a separate survey or by a group of surveys.

More detailed information on these surveys is available in *U.S. International Transactions in Private Services: A Guide to the Surveys Conducted by the Bureau of Economic Analysis*. The *Guide* presents general information about the classification, definition, and release schedules of all the surveys, and it provides details on the items covered on each survey, the frequency of the surveys, the numbers of respondents, and the methods used to prepare the estimates. The *Guide* is available on BEA's Web site at <[www.bea.gov](http://www.bea.gov)>, or by e-mail at <[internationalaccounts@bea.gov](mailto:internationalaccounts@bea.gov)>. For further information, call 202-606-9853.

The data on intrafirm trade in services and on sales by majority-owned affiliates are collected in BEA's surveys of U.S. direct investment abroad and of foreign direct

investment in the United States. For the methodologies for these surveys, see *Foreign Direct Investment in the United States: Final Results From the 1997 Benchmark Survey* (Washington, DC: U.S. Government Printing Office, 2001) and *U.S. Direct Investment Abroad: 1994 Benchmark Survey, Final Results* (Washington, DC: U.S. Government Printing Office, 1998). (The final results of the 1999 benchmark survey of U.S. direct investment abroad, including an updated methodology, is scheduled to be published in the coming months.) For additional information on the methodology used to prepare the estimates of both affiliated and unaffiliated cross-border trade, see *The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures* (Washington DC: U.S. Government Printing Office, 1990).

For detailed information on the changes in the methodology that have been made since 1990, see the section "Technical Notes" in the quarterly articles on the U.S. international transactions in the June 1990 and 1991 issues of the SURVEY OF CURRENT BUSINESS, the section "Revised Estimates for 1976-91" in the June 1992 issue, and the annual articles on the revised estimates of U.S. international transactions in the June 1993-95 issues and in the July 1996-2002 issues. The changes in methodology since 1990 are summarized in the appendix to this article "Improvements to BEA's Estimates of U.S. International Services, 1990-2003" on page 74.

These methodologies and the SURVEY articles for July 1996-2002 are also available on BEA's Web site at <[www.bea.gov/bea/pubs.htm](http://www.bea.gov/bea/pubs.htm)>.

### Acknowledgments

The estimates of cross-border trade were prepared by the following staff members of the Balance of Payments Division and the International Investment Division.

Travel and passenger fares—Joan E. Bolyard and Laura L. Brokenbaugh

Other transportation—Edward F. Dozier

Royalties and license fees and "other private services," affiliated—Gregory G. Fouch (for transactions of U.S. affiliates) and Mark W. New (for transactions of U.S. parents)

Royalties and license fees and other private services, unaffiliated—Christopher J. Emond, Shirley J. Davis, Rafael I. Font, Pamela Aiken, Damon C. Battaglia,

Annette Boyd, Faith M. Brannam, Hope R. Jones, Eddie L. Key, Christine L. Hagerty, Steven J. Munro, John A. Sondheimer, Robert A. Becker, Erin Engasser, and Matthew J. Argersinger

The estimates of sales of services through majority-owned affiliates were prepared by staff members of the International Investment Division.

The information in tables 1, 2, 3, and 5 was consolidated by John A. Sondheimer, assisted by Robert A. Becker. Computer programming for data estimation and the generation of the other tables was provided by Marie Colosimo, Carole J. Henry, Neeta B. Kapoor, Fritz H. Mayhew, Xia Ouyang, and Diane I. Young.

Table 1. Private Services Trade by Type, 1992–2002

[Millions of dollars]

	Exports										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>Total private services</b> .....	<b>163,596</b>	<b>171,079</b>	<b>186,089</b>	<b>203,060</b>	<b>221,390</b>	<b>237,877</b>	<b>243,811</b>	<b>264,695</b>	<b>283,484</b>	<b>275,498</b>	<b>279,495</b>
<b>Travel</b> .....	<b>54,742</b>	<b>57,875</b>	<b>58,417</b>	<b>63,395</b>	<b>69,809</b>	<b>73,426</b>	<b>71,325</b>	<b>74,801</b>	<b>82,400</b>	<b>71,893</b>	<b>66,547</b>
Overseas.....	40,864	45,298	47,299	54,331	59,905	63,041	61,262	63,947	70,050	59,978	54,772
Canada.....	8,182	7,458	6,252	6,207	6,900	6,945	6,245	6,740	7,188	6,595	6,268
Mexico.....	5,696	5,119	4,866	2,857	3,004	3,440	3,818	4,114	5,162	5,320	5,507
<b>Passenger fares</b> .....	<b>16,618</b>	<b>16,528</b>	<b>16,997</b>	<b>18,909</b>	<b>20,422</b>	<b>20,868</b>	<b>20,098</b>	<b>19,785</b>	<b>20,687</b>	<b>17,926</b>	<b>17,046</b>
<b>Other transportation</b> .....	<b>21,531</b>	<b>21,958</b>	<b>23,754</b>	<b>26,081</b>	<b>26,074</b>	<b>27,006</b>	<b>25,604</b>	<b>26,916</b>	<b>29,803</b>	<b>28,442</b>	<b>29,166</b>
Freight.....	8,441	8,594	9,575	11,273	11,146	11,789	11,048	11,567	12,547	11,731	12,330
Port services.....	13,088	13,364	14,180	14,809	14,929	15,217	14,557	15,356	17,256	16,711	16,836
<b>Royalties and license fees</b> .....	<b>20,841</b>	<b>21,695</b>	<b>26,712</b>	<b>30,289</b>	<b>32,470</b>	<b>33,228</b>	<b>35,626</b>	<b>39,670</b>	<b>43,233</b>	<b>41,098</b>	<b>44,142</b>
Affiliated.....	15,659	15,888	20,275	22,859	24,556	24,465	26,313	29,275	30,479	29,023	32,218
U.S. parents' transactions.....	14,925	14,936	19,250	21,399	22,719	23,091	24,362	27,575	28,255	27,030	29,066
U.S. affiliates' transactions.....	733	752	1,025	1,460	1,837	1,374	1,951	1,700	2,224	1,993	3,152
Unaffiliated.....	5,183	6,007	6,437	7,430	7,914	8,763	9,314	10,395	12,754	12,075	11,924
Industrial processes.....	2,525	2,820	3,026	3,513	3,566	3,544	3,499	3,900	4,662	4,226	3,900
Other.....	2,657	3,187	3,411	3,917	4,348	5,219	5,815	6,496	8,093	7,849	8,024
<b>Other private services</b> .....	<b>49,864</b>	<b>53,023</b>	<b>60,209</b>	<b>64,386</b>	<b>72,615</b>	<b>83,349</b>	<b>91,158</b>	<b>103,523</b>	<b>107,361</b>	<b>116,139</b>	<b>122,594</b>
Affiliated services.....	16,823	16,813	19,825	20,483	22,931	27,107	28,176	32,809	35,857	39,760	43,500
U.S. parents' transactions.....	10,479	10,902	13,313	13,033	14,118	17,288	18,135	22,222	23,107	24,759	25,194
U.S. affiliates' transactions.....	6,344	5,911	6,512	7,450	8,813	9,819	10,041	10,587	12,750	15,001	18,306
Unaffiliated services.....	33,040	36,205	40,384	43,903	49,684	56,242	62,982	70,714	71,504	76,379	79,094
Education.....	6,186	6,738	7,174	7,515	7,887	8,346	9,036	9,616	10,348	11,478	12,759
Financial services.....	4,034	4,999	5,763	7,029	8,229	10,243	11,327	13,410	15,522	15,228	15,859
Insurance services.....	588	506	408	588	926	1,367	2,065	2,486	2,486	2,399	2,839
Telecommunications.....	2,885	2,785	2,865	3,228	3,301	3,918	5,570	4,549	3,883	4,504	4,137
Business, professional, and technical services.....	11,722	12,958	15,330	16,078	19,466	21,547	22,676	27,700	25,318	28,611	28,799
Accounting, auditing, and bookkeeping services.....	164	164	132	181	222	316	412	294	366	389	360
Advertising.....	315	338	487	425	543	607	445	481	496	526	633
Agricultural, mining, and on-site processing services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	573	591	306	378	366
Agricultural and mining services <sup>1</sup> .....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	573	591	306	353	346
Waste treatment and depollution services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	25	20
Architectural, engineering, and other technical services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,541	2,620	1,459	2,078	1,916
Computer and data processing services.....	776	986	1,306	1,340	1,617	2,011	1,941	3,312	3,262	3,217	3,004
Construction, architectural, engineering, and mining services <sup>2</sup> .....	1,935	2,407	2,474	2,550	3,553	3,503	n.a.	n.a.	n.a.	n.a.	n.a.
Construction.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	793	2,643	673	552	654
Data base and other information services.....	641	694	1,026	1,078	1,158	1,479	1,764	2,131	2,360	2,241	2,426
Industrial engineering.....	212	268	575	726	870	1,186	1,271	1,865	673	731	749
Installation, maintenance, and repair of equipment.....	2,744	2,978	3,497	3,218	3,648	3,369	3,189	3,491	4,249	4,939	4,992
Legal services.....	1,358	1,442	1,617	1,667	1,943	2,223	2,406	2,465	3,103	3,309	3,270
Management, consulting, and public relations services.....	728	826	1,134	1,489	1,460	1,632	1,888	1,832	1,670	2,085	1,696
Medical services.....	708	750	794	856	1,005	1,113	1,204	1,353	1,501	1,676	1,901
Miscellaneous disbursements <sup>3</sup> .....	97	222	222	251	333	144	148	109	151	194	623
Operational leasing.....	854	834	925	978	1,482	2,012	2,367	2,671	3,086	3,723	3,573
Research, development, and testing services.....	611	464	522	638	681	893	867	994	910	1,065	1,086
Sports and performing arts.....	43	77	86	116	149	149	99	131	141	176	175
Trade-related services <sup>4</sup> .....	n.a.	n.a.	n.a.	n.a.	175	166	183	188	98	375	353
Training services.....	320	319	388	421	388	447	396	399	433	477	591
Other business, professional and technical services <sup>5</sup> .....	217	191	143	147	240	297	190	143	381	480	430
<b>Other unaffiliated services<sup>6</sup></b> .....	<b>7,625</b>	<b>8,220</b>	<b>8,845</b>	<b>9,465</b>	<b>9,874</b>	<b>10,821</b>	<b>12,312</b>	<b>13,357</b>	<b>13,948</b>	<b>14,160</b>	<b>14,700</b>

See footnotes at end of table.

**Table 1. Private Services Trade by Type, 1992–2002—Continued**  
(Millions of dollars)

	Imports										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>Total private services</b> .....	<b>102,014</b>	<b>107,808</b>	<b>118,344</b>	<b>126,754</b>	<b>136,885</b>	<b>149,966</b>	<b>163,565</b>	<b>180,531</b>	<b>204,665</b>	<b>201,615</b>	<b>205,234</b>
<b>Travel</b> .....	<b>38,552</b>	<b>40,713</b>	<b>43,782</b>	<b>44,916</b>	<b>48,078</b>	<b>52,051</b>	<b>56,483</b>	<b>58,963</b>	<b>64,705</b>	<b>60,200</b>	<b>58,044</b>
Overseas.....	29,838	31,859	34,534	35,281	37,436	40,667	44,395	46,925	51,775	47,144	44,494
Canada.....	3,554	3,692	3,914	4,319	4,670	4,904	5,692	6,233	6,284	6,345	6,489
Mexico.....	5,160	5,162	5,334	5,316	5,972	6,480	6,396	5,805	6,646	6,711	7,061
<b>Passenger fares</b> .....	<b>10,603</b>	<b>11,410</b>	<b>13,062</b>	<b>14,663</b>	<b>15,809</b>	<b>18,138</b>	<b>19,971</b>	<b>21,315</b>	<b>24,274</b>	<b>22,633</b>	<b>19,969</b>
<b>Other transportation</b> .....	<b>23,767</b>	<b>24,524</b>	<b>26,019</b>	<b>27,034</b>	<b>27,403</b>	<b>28,959</b>	<b>30,363</b>	<b>34,139</b>	<b>41,425</b>	<b>38,682</b>	<b>38,527</b>
Freight.....	13,571	14,518	16,006	16,455	16,539	17,654	19,412	22,218	27,388	25,736	25,973
Port services.....	10,197	10,005	10,013	10,579	10,864	11,305	10,950	11,925	14,037	12,946	12,554
<b>Royalties and license fees</b> .....	<b>5,161</b>	<b>5,032</b>	<b>5,852</b>	<b>6,919</b>	<b>7,837</b>	<b>9,161</b>	<b>11,235</b>	<b>13,107</b>	<b>16,468</b>	<b>16,713</b>	<b>19,258</b>
Affiliated.....	3,396	3,386	3,933	5,256	5,406	6,749	8,547	10,374	12,536	13,310	15,132
U.S. parents' transactions.....	189	234	420	583	761	1,379	1,782	2,310	2,469	2,541	2,958
U.S. affiliates' transactions.....	3,207	3,152	3,513	4,673	4,645	5,370	6,765	8,064	10,067	10,769	12,174
Unaffiliated.....	1,766	1,646	1,919	1,663	2,431	2,412	2,688	2,733	3,932	3,403	4,126
Industrial processes.....	818	1,054	1,034	948	1,319	1,417	1,319	1,568	1,692	1,796	1,935
Other.....	948	592	884	714	1,112	995	1,369	1,164	2,241	1,607	2,192
<b>Other private services</b> .....	<b>23,931</b>	<b>26,129</b>	<b>29,629</b>	<b>33,222</b>	<b>37,758</b>	<b>41,657</b>	<b>45,513</b>	<b>53,007</b>	<b>57,793</b>	<b>63,387</b>	<b>68,436</b>
Affiliated services.....	9,640	10,677	12,451	13,634	15,548	17,625	19,437	25,790	28,776	30,053	32,367
U.S. parents' transactions.....	5,355	5,721	6,538	6,861	7,084	9,012	10,415	15,480	16,267	16,774	17,529
U.S. affiliates' transactions.....	4,285	4,956	5,913	6,773	8,464	8,613	9,022	10,310	12,509	13,279	14,838
Unaffiliated services.....	14,286	15,448	17,178	19,588	22,210	24,032	26,076	27,217	29,017	33,334	37,069
Education.....	767	857	972	1,125	1,253	1,396	1,587	1,807	2,034	2,269	2,466
Financial services.....	986	1,371	1,654	2,472	2,907	3,347	3,590	3,418	4,564	4,049	3,665
Insurance services.....	2,885	2,886	3,210	3,272	3,600	3,983	5,298	6,386	7,598	11,613	15,348
Telecommunications.....	6,052	6,365	6,928	7,305	8,290	8,346	7,682	6,601	5,428	4,756	4,180
Business, professional, and technical services.....	3,102	3,504	3,869	4,822	5,547	6,407	7,392	8,449	8,769	10,034	10,732
Accounting, auditing, and bookkeeping services.....	104	103	130	170	218	279	403	592	531	844	716
Advertising.....	450	646	728	833	971	773	912	881	909	1,183	1,360
Agricultural, mining, and on-site processing services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	301	259	304	273
Agricultural and mining services <sup>1</sup> .....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	301	259	304	297
Waste treatment and depollution services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5
Architectural, engineering, and other technical services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	54	19	18	125
Computer and data processing services.....	71	101	83	126	276	636	917	1,323	1,452	1,419	1,057
Construction, architectural, engineering, and mining services <sup>2</sup> .....	261	319	280	345	465	463	n.a.	n.a.	n.a.	n.a.	n.a.
Construction.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	208	237	184	169	226
Data base and other information services.....	72	110	141	160	146	128	152	171	179	250	236
Industrial engineering.....	112	142	100	160	197	211	206	262	241	192	185
Installation, maintenance, and repair of equipment.....	191	175	164	160	239	307	242	315	821	715	812
Legal services.....	311	321	383	469	615	539	655	742	893	762	768
Management, consulting, and public relations services.....	243	287	321	465	497	687	872	842	702	792	1,188
Medical services.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Miscellaneous disbursements <sup>3</sup> .....	395	371	538	843	750	1,075	1,136	1,351	1,120	1,367	1,522
Operational leasing.....	337	356	401	407	325	189	175	173	188	207	190
Research, development, and testing services.....	225	239	294	364	379	564	637	749	787	826	1,040
Sports and performing arts.....	145	156	122	120	200	260	228	206	85	168	110
Trade-related services <sup>4</sup> .....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	52	95
Training services.....	101	101	137	145	140	153	168	162	205	393	361
Other business, professional and technical services <sup>5</sup> .....	85	75	46	59	129	142	128	163	149	265	283
Other unaffiliated services <sup>6</sup> .....	495	465	547	593	613	553	527	577	624	613	679

n.a. Not available

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

1. Prior to 1998, mining services are included in construction, architectural, engineering, and mining services, and agricultural services are included in other business, professional and technical services.

2. Beginning in 1998, the services that comprise this category are shown separately as agricultural and mining services; architectural, engineering, and other technical services; and construction services. Prior to 1998, agricultural services were included in other business, professional, and technical services.

3. Miscellaneous disbursements include transactions such as outlays to fund news-gathering costs of broadcasters and disbursements to fund production costs of motion pictures companies.

4. Trade-related services consist of auction services, Internet or online sales services, and services provided by independent sales agents. For exports, "merchandising" services are also included. The value of merchandising services equals

the difference between the cost and resale prices of goods that are purchased and resold abroad, without entering or leaving the United States and without undergoing significant processing between the time they are purchased and the time they are resold. Merchandising services are not recorded for U.S. imports; instead, the value of any services provided by foreign merchants in connection with U.S. imports is included indistinguishably in the value of the goods. Data on U.S. exports of merchandising services were collected beginning in 1996, and data on other trade-related services were collected beginning in 2001. In 2001 and 2002, merchandising services exports were \$129 million and \$106 million, respectively.

5. Other business, professional, and technical services consists of language translation services; security services; collection services; salvage services; satellite photography and remote sensing/satellite imagery services; transcription services; mailing, reproduction, and commercial art services; personnel supply services; and management of health care facilities services. Prior to 1998, this category also includes agricultural services.

6. Exports include mainly film and tape rentals and expenditures of foreign governments and international organizations in the United States. Imports include mainly expenditures of U.S. residents temporarily working abroad and film and tape rentals.

Table 2. Private Services Trade by Area and Country, 1992-2002

[Millions of dollars]

	Exports										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>All countries</b> .....	<b>163,596</b>	<b>171,079</b>	<b>186,089</b>	<b>203,060</b>	<b>221,390</b>	<b>237,877</b>	<b>243,811</b>	<b>264,695</b>	<b>283,484</b>	<b>275,498</b>	<b>279,495</b>
<b>Canada</b> .....	<b>17,260</b>	<b>16,917</b>	<b>16,955</b>	<b>17,739</b>	<b>19,331</b>	<b>20,331</b>	<b>19,287</b>	<b>22,450</b>	<b>24,401</b>	<b>24,543</b>	<b>24,294</b>
<b>Europe</b> .....	<b>60,481</b>	<b>62,167</b>	<b>67,196</b>	<b>73,017</b>	<b>80,959</b>	<b>85,972</b>	<b>94,022</b>	<b>101,342</b>	<b>107,671</b>	<b>104,936</b>	<b>110,292</b>
Belgium-Luxembourg .....	2,312	2,215	2,594	2,659	2,834	2,826	2,981	3,314	3,285	3,359	4,233
France .....	6,979	6,802	6,674	7,877	8,859	9,269	9,618	9,955	10,507	10,115	10,740
Germany .....	10,823	11,330	11,500	12,667	13,282	13,854	14,889	16,272	16,104	15,146	16,056
Italy .....	4,519	4,080	4,267	4,504	4,853	4,968	5,583	5,280	5,431	5,146	5,386
Netherlands .....	3,723	4,095	5,470	6,110	7,032	7,350	6,606	6,966	7,047	6,982	7,219
Norway .....	1,126	1,243	1,147	1,209	1,370	1,398	1,403	1,427	1,392	1,483	1,487
Spain .....	2,450	2,268	2,661	2,988	3,095	3,421	3,518	3,909	3,806	3,432	3,638
Sweden .....	1,761	1,737	1,741	1,886	2,461	2,378	2,577	2,361	3,479	3,206	3,223
Switzerland .....	2,881	2,996	3,692	3,895	4,347	4,337	4,961	4,989	5,978	6,524	6,750
United Kingdom .....	16,069	17,128	17,716	18,721	20,027	23,610	26,452	29,735	31,738	30,888	31,816
Other .....	7,838	8,270	9,562	10,352	12,798	12,561	15,433	17,133	18,688	16,649	19,744
<b>Latin America and Other Western Hemisphere</b> .....	<b>26,611</b>	<b>28,912</b>	<b>32,359</b>	<b>32,821</b>	<b>35,486</b>	<b>42,106</b>	<b>46,512</b>	<b>50,608</b>	<b>54,258</b>	<b>54,364</b>	<b>52,304</b>
South and Central America .....	23,121	25,077	27,779	27,506	29,708	34,978	38,322	39,648	42,508	41,671	38,505
Argentina .....	1,775	2,120	2,445	2,381	2,745	3,369	3,569	3,630	3,575	3,216	1,701
Brazil .....	2,499	2,943	3,731	4,992	5,205	6,405	6,617	5,639	6,285	6,235	4,977
Chile .....	612	770	1,147	977	1,172	1,421	1,355	1,543	1,427	1,283	1,155
Mexico .....	10,456	10,396	11,319	8,695	9,417	10,782	11,622	12,807	14,302	15,152	15,902
Venezuela .....	1,991	2,427	2,136	2,492	2,396	2,679	3,071	3,279	3,305	3,483	2,884
Other .....	5,805	6,445	7,016	7,987	8,769	10,326	12,094	12,752	13,615	12,304	11,886
Other Western Hemisphere .....	3,488	3,832	4,579	5,318	5,778	7,128	8,187	10,960	11,748	12,694	13,799
Bermuda .....	415	490	558	757	778	890	1,159	1,413	1,731	3,131	4,595
Other .....	3,071	3,342	4,022	4,561	5,000	6,239	7,027	9,546	10,016	9,562	9,203
<b>Africa, Middle East, and Asia and Pacific</b> .....	<b>54,686</b>	<b>58,330</b>	<b>64,610</b>	<b>74,134</b>	<b>79,821</b>	<b>83,757</b>	<b>77,867</b>	<b>84,205</b>	<b>90,782</b>	<b>85,750</b>	<b>86,108</b>
Africa .....	2,229	2,324	2,580	2,865	3,034	3,479	4,116	4,722	4,944	5,058	4,771
South Africa .....	462	493	624	797	841	1,002	1,066	1,316	1,423	1,285	1,130
Other .....	1,768	1,832	1,957	2,068	2,193	2,476	3,049	3,406	3,521	3,772	3,643
Middle East .....	3,992	4,144	5,046	5,778	6,669	6,841	7,448	7,785	6,890	6,921	6,369
Israel .....	921	1,106	1,482	1,631	1,895	1,925	2,054	2,260	2,413	2,371	2,263
Saudi Arabia .....	1,358	1,238	1,861	2,083	1,689	1,910	1,974	2,389	1,813	1,912	1,594
Other .....	1,712	1,800	1,701	2,064	3,087	3,004	3,418	3,136	2,664	2,638	2,511
Asia and Pacific .....	48,464	51,863	56,984	65,492	70,117	73,437	66,303	71,699	78,948	73,770	74,969
Australia .....	3,464	3,534	3,770	4,227	4,491	4,894	4,785	5,180	5,539	4,869	5,202
China .....	1,569	1,916	2,050	2,509	3,166	3,610	3,957	4,027	5,199	5,650	6,073
Hong Kong .....	2,255	2,351	2,790	2,979	3,323	3,626	3,462	3,529	3,766	3,496	3,382
India .....	1,092	1,137	1,224	1,316	1,494	1,595	1,879	2,039	2,534	3,006	3,273
Indonesia .....	770	892	874	1,153	1,413	1,789	1,474	1,486	1,113	1,005	1,021
Japan .....	25,399	26,596	28,713	33,029	33,274	33,731	29,687	30,810	33,147	30,053	29,688
Korea, Republic of .....	3,366	3,644	4,598	5,681	7,432	7,107	4,753	5,458	7,264	6,784	7,760
Malaysia .....	602	675	884	1,029	1,277	1,257	1,049	1,109	1,114	1,181	1,142
New Zealand .....	761	786	824	982	1,171	1,245	1,228	1,182	1,252	1,083	1,009
Philippines .....	967	1,240	1,181	1,055	1,233	1,499	1,319	1,652	1,609	1,605	1,514
Singapore .....	2,144	2,411	2,639	3,150	3,849	4,089	3,817	5,144	6,058	5,892	5,766
Taiwan .....	3,158	3,458	4,157	4,415	4,046	4,739	4,004	4,924	4,909	4,813	4,840
Thailand .....	748	1,013	1,014	1,183	1,213	1,238	1,160	1,134	1,171	1,075	1,139
Other .....	2,166	2,206	2,266	2,784	2,734	3,019	3,729	4,027	4,273	3,259	3,155
<b>International organizations and unallocated</b> .....	<b>4,533</b>	<b>4,731</b>	<b>4,969</b>	<b>5,347</b>	<b>5,792</b>	<b>5,713</b>	<b>6,122</b>	<b>6,089</b>	<b>6,387</b>	<b>5,910</b>	<b>6,492</b>
<b>Addenda:</b>											
European Union <sup>2</sup> .....	51,594	52,460	55,850	63,797	70,051	74,783	81,941	88,796	94,004	90,665	95,670
Eastern Europe <sup>3</sup> .....	1,162	1,674	2,183	2,583	3,277	3,387	3,718	3,713	3,710	4,023	4,110

See footnotes at end of table.

Table 2. Private Services Trade by Area and Country, 1992-2002—Continued

(Millions of dollars)

	Imports										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>All countries</b> .....	<b>102,014</b>	<b>107,808</b>	<b>118,344</b>	<b>126,754</b>	<b>136,885</b>	<b>149,966</b>	<b>163,565</b>	<b>180,531</b>	<b>204,665</b>	<b>201,615</b>	<b>205,234</b>
<b>Canada</b> .....	<b>8,305</b>	<b>8,926</b>	<b>9,676</b>	<b>10,802</b>	<b>12,239</b>	<b>13,682</b>	<b>15,102</b>	<b>16,098</b>	<b>17,566</b>	<b>17,597</b>	<b>18,414</b>
<b>Europe</b> .....	<b>41,702</b>	<b>44,430</b>	<b>48,992</b>	<b>52,499</b>	<b>55,078</b>	<b>61,746</b>	<b>70,303</b>	<b>76,845</b>	<b>88,808</b>	<b>88,573</b>	<b>89,919</b>
Belgium-Luxembourg .....	1,049	1,063	1,243	1,445	1,488	1,707	1,928	2,265	2,376	2,250	2,176
France .....	4,821	4,919	5,659	5,916	5,991	6,596	7,458	8,010	10,544	9,891	9,655
Germany <sup>1</sup> .....	6,677	6,854	7,121	7,397	7,702	8,041	9,299	10,102	12,264	12,555	14,703
Italy .....	3,171	3,131	3,408	3,720	3,522	3,690	4,088	4,707	5,036	5,197	4,615
Netherlands .....	2,468	2,219	2,619	3,179	3,161	3,569	4,327	4,663	5,591	6,193	6,037
Norway .....	1,040	1,404	1,179	1,153	1,280	1,290	783	861	918	1,324	1,067
Spain .....	1,281	1,078	1,134	1,105	1,297	1,455	1,873	2,188	2,559	2,278	2,338
Sweden .....	802	947	851	783	943	877	883	1,201	1,444	1,382	1,478
Switzerland .....	1,863	2,105	2,514	2,573	3,051	3,154	3,818	4,448	5,769	6,121	6,613
United Kingdom .....	11,727	13,519	14,653	15,860	16,841	20,949	23,329	25,927	27,642	26,587	26,587
Other .....	6,800	7,195	8,607	9,363	9,800	10,422	12,517	12,474	14,668	14,727	14,647
<b>Latin America and Other Western Hemisphere</b> .....	<b>20,090</b>	<b>20,528</b>	<b>22,274</b>	<b>22,776</b>	<b>25,589</b>	<b>28,055</b>	<b>29,587</b>	<b>32,353</b>	<b>36,700</b>	<b>38,301</b>	<b>39,593</b>
South and Central America .....	13,476	13,609	14,877	15,531	17,707	19,203	19,743	20,417	22,306	21,007	21,152
Argentina .....	458	469	575	575	782	873	863	901	974	749	593
Brazil .....	888	744	916	1,176	1,397	1,775	1,962	1,725	1,946	1,845	1,691
Chile .....	332	364	416	429	520	540	569	824	887	846	721
Mexico .....	7,275	7,413	7,849	7,942	8,921	9,836	9,815	9,480	10,998	10,543	11,066
Venezuela .....	635	715	763	703	768	713	739	720	609	658	454
Other .....	4,084	3,905	4,360	4,719	5,319	5,462	5,792	6,766	6,892	6,364	6,624
Other Western Hemisphere .....	6,614	6,916	7,397	7,243	7,881	8,852	9,844	11,936	14,393	17,295	18,440
Bermuda .....	1,345	1,354	1,488	1,461	1,669	2,189	3,147	4,482	5,564	8,660	10,261
Other .....	5,268	5,562	5,910	5,782	6,211	6,661	6,699	7,457	8,828	8,640	8,173
<b>Africa, Middle East, and Asia and Pacific</b> .....	<b>29,214</b>	<b>31,989</b>	<b>35,523</b>	<b>38,588</b>	<b>41,738</b>	<b>44,618</b>	<b>46,222</b>	<b>53,209</b>	<b>57,663</b>	<b>53,778</b>	<b>53,764</b>
Africa .....	1,479	1,537	1,919	1,955	2,387	2,555	2,540	2,634	2,767	2,897	2,546
South Africa .....	202	230	294	401	543	728	858	864	855	872	782
Other .....	1,279	1,307	1,623	1,554	1,844	1,830	1,684	1,767	1,912	2,024	1,764
Middle East .....	2,077	2,189	2,259	2,684	3,161	3,245	3,696	3,865	3,306	3,296	3,193
Israel .....	1,026	1,069	1,197	1,177	1,363	1,510	1,436	1,601	2,010	1,735	1,583
Saudi Arabia .....	349	351	319	572	451	590	872	890	499	559	527
Other .....	700	768	743	939	1,349	1,144	1,385	1,374	798	1,000	1,085
Asia and Pacific .....	25,659	28,263	31,345	33,949	36,190	38,818	39,985	46,711	51,590	47,585	48,024
Australia .....	2,222	2,152	1,900	2,111	2,553	2,637	2,949	3,303	3,479	3,654	2,936
China .....	1,054	1,306	1,476	1,683	1,937	2,225	2,302	2,683	3,257	3,654	4,136
Hong Kong .....	1,488	1,528	1,977	2,021	3,042	3,042	3,240	4,010	4,306	3,721	3,678
India .....	638	691	761	853	1,095	1,224	1,541	1,520	1,896	1,810	1,667
Indonesia .....	435	432	443	448	553	550	310	379	439	295	285
Japan .....	10,514	11,747	12,667	13,361	12,940	13,521	13,358	15,969	17,329	16,557	17,312
Korea, Republic of .....	2,048	2,354	2,802	3,583	4,123	4,541	4,161	4,302	4,617	4,034	4,334
Malaysia .....	265	301	357	454	458	535	374	382	386	526	498
New Zealand .....	526	538	568	602	656	689	937	1,104	1,154	1,354	914
Philippines .....	788	852	1,039	1,124	1,363	1,463	1,244	1,197	1,534	1,485	1,274
Singapore .....	746	948	1,164	1,240	1,823	2,105	1,858	2,352	2,356	1,893	2,070
Taiwan .....	1,973	2,378	2,653	2,859	2,709	3,369	2,910	3,465	4,219	4,447	5,013
Thailand .....	393	379	478	678	803	760	800	924	928	869	810
Other .....	2,569	2,656	3,059	2,938	2,136	2,156	3,994	5,125	5,679	3,287	3,085
<b>International organizations and unallocated</b> .....	<b>2,701</b>	<b>1,935</b>	<b>1,881</b>	<b>2,090</b>	<b>2,246</b>	<b>1,860</b>	<b>2,353</b>	<b>2,024</b>	<b>3,927</b>	<b>3,363</b>	<b>3,545</b>
<b>Addenda:</b>											
European Union <sup>2</sup> .....	34,747	36,583	40,175	44,804	46,289	52,671	60,165	66,640	76,624	76,178	77,205
Eastern Europe <sup>3</sup> .....	1,604	1,520	1,970	2,180	2,355	2,156	2,564	2,373	2,426	2,410	2,749

1. Prior to 1990, this line includes data only for the Federal Republic of Germany. Beginning in 1990, this line also includes the former German Democratic Republic.

2. The European Union comprises Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, United Kingdom, Austria, Finland, and Sweden. The last three countries joined the Union on

January 1, 1995. The estimates prior to 1995 do not reflect the addition of these three countries.

3. Eastern Europe comprises Albania, Armenia, Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Poland, Romania, Russia, Slovakia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

Table 3.1. Travel, Passenger Fares, and Other Transportation, 1999

[Millions of dollars]

	Receipts											Payments										
	Travel	Passenger fares	Other Transportation									Travel	Passenger fares	Other Transportation								
			Total	Freight			Port services			Total	Freight			Port services								
				Total	Ocean	Air	Other	Total	Ocean		Air			Other	Total	Ocean	Air	Other				
<b>All countries</b> .....	74,801	19,785	26,916	11,560	3,940	5,043	2,578	15,356	7,863	7,325	167	58,963	21,315	34,139	22,216	15,728	4,137	2,351	11,923	1,973	9,852	98
<b>Canada</b> .....	6,740	1,540	2,484	1,976	64	76	1,836	508	65	276	167	6,233	712	3,226	2,512	103	62	2,347	714	170	446	98
<b>Europe</b> .....	25,971	7,092	8,405	3,094	1,304	1,698	92	5,311	2,370	2,941	.....	21,066	11,023	11,410	6,746	5,133	1,613	.....	4,664	601	4,063	.....
Belgium-Luxembourg .....	562	232	470	293	205	83	5	177	38	139	.....	409	272	522	174	74	100	.....	348	90	258	.....
France .....	2,330	1,002	582	299	51	242	6	283	22	261	.....	3,121	791	765	243	85	158	.....	522	37	485	.....
Germany .....	4,398	1,287	1,484	393	132	248	13	1,091	487	604	.....	2,224	1,688	1,786	1,116	842	301	.....	670	96	574	.....
Italy .....	1,691	517	337	125	42	79	4	212	55	157	.....	2,819	496	535	421	345	76	.....	114	12	102	.....
Netherlands .....	1,216	352	694	442	279	133	30	252	62	190	.....	791	753	837	333	157	176	.....	504	131	373	.....
Norway .....	439	82	193	21	9	12	.....	172	172	.....	193	39	367	361	361	.....	.....	.....	6	6	.....	.....
Spain .....	1,043	310	245	134	74	60	.....	111	2	109	.....	1,134	288	124	37	7	30	.....	87	25	62	.....
Sweden .....	674	259	199	63	25	38	.....	136	53	83	.....	215	91	192	184	138	46	.....	8	8	.....	.....
Switzerland .....	1,252	169	266	61	.....	61	.....	205	45	160	.....	783	830	294	289	102	167	.....	25	.....	25	.....
United Kingdom .....	8,398	2,535	1,781	795	177	608	10	986	121	865	.....	5,502	3,832	2,507	743	304	439	.....	1,764	84	1,680	.....
Other .....	3,968	347	2,154	468	310	134	24	1,686	1,313	373	.....	3,875	1,943	3,481	2,865	2,745	120	.....	616	112	504	.....
<b>Latin America and Other Western Hemisphere</b> .....	19,801	5,466	3,411	1,830	450	1,100	280	1,581	341	1,240	.....	16,650	3,038	2,607	762	582	176	4	1,845	285	1,560	.....
South and Central America .....	16,750	4,871	2,935	1,658	383	1,030	245	1,277	220	1,057	.....	12,034	2,324	2,096	600	429	167	4	1,496	244	1,252	.....
Argentina .....	1,457	655	151	77	12	65	.....	74	.....	74	.....	434	134	31	15	1	14	.....	16	2	14	.....
Brazil .....	2,034	837	480	240	18	222	.....	240	13	227	.....	749	337	111	49	25	24	.....	62	6	56	.....
Chile .....	540	159	210	56	22	34	.....	154	35	119	.....	402	92	154	112	59	53	.....	42	17	25	.....
Mexico .....	4,114	961	690	321	51	213	57	369	109	260	.....	5,805	957	1,070	151	140	7	4	919	50	869	.....
Venezuela .....	1,697	275	159	116	25	82	9	43	26	17	.....	270	106	105	46	46	.....	.....	59	47	12	.....
Other .....	6,908	1,784	1,245	848	255	414	179	397	37	360	.....	4,374	698	625	227	158	69	.....	398	122	276	.....
Other Western Hemisphere .....	3,051	795	476	172	67	70	35	304	121	183	.....	4,616	714	511	162	153	9	.....	349	41	308	.....
Bermuda .....	17	9	5	.....	.....	5	.....	.....	.....	.....	.....	419	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other .....	3,034	786	471	167	67	65	35	304	121	183	.....	4,197	714	511	162	153	9	.....	349	41	308	.....
<b>Africa</b> .....	1,317	51	419	191	143	29	19	228	52	176	.....	1,150	487	216	112	98	14	.....	104	91	13	.....
South Africa .....	386	9	98	22	8	6	8	76	21	55	.....	250	305	64	54	45	9	.....	10	4	6	.....
Other .....	931	42	321	169	135	23	11	152	31	121	.....	900	182	152	58	53	5	.....	94	87	7	.....
<b>Middle East</b> .....	2,144	397	1,093	576	473	103	.....	517	174	343	.....	1,564	466	634	477	352	125	.....	157	92	65	.....
Israel .....	866	281	398	275	224	51	.....	123	.....	123	.....	556	361	203	77	77	.....	.....	126	72	54	.....
Saudi Arabia .....	583	3	131	85	72	13	.....	46	.....	46	.....	519	72	31	20	20	.....	.....	11	8	3	.....
Other .....	695	113	564	216	177	39	.....	348	174	174	.....	489	33	400	380	352	28	.....	20	12	8	.....
<b>Asia and Pacific</b> .....	18,828	5,239	10,538	3,884	1,496	2,037	351	6,654	4,305	2,349	.....	12,300	5,589	14,899	10,460	8,313	2,147	.....	4,439	734	3,705	.....
Australia .....	1,735	520	351	190	17	133	40	161	7	154	.....	1,294	633	197	45	16	29	.....	152	3	149	.....
China .....	777	170	627	211	118	93	.....	416	154	262	.....	1,037	156	1,008	728	386	342	.....	280	127	153	.....
Hong Kong .....	698	267	512	490	170	320	.....	22	21	1	.....	1,177	602	789	318	316	2	.....	471	94	377	.....
India .....	861	34	144	110	91	19	.....	34	3	31	.....	737	114	69	26	19	7	.....	43	33	10	.....
Indonesia .....	248	168	88	81	73	8	.....	7	.....	7	.....	205	.....	56	8	7	.....	48	48	.....	.....	
Japan .....	9,711	3,585	3,082	1,133	355	693	85	1,949	1,184	765	.....	2,845	860	4,986	2,937	2,362	575	.....	2,049	151	1,898	.....
Korea, Republic of .....	1,251	20	1,477	294	178	116	.....	1,183	754	429	.....	1,141	1,131	1,551	1,422	1,237	185	.....	129	90	39	.....
Malaysia .....	206	11	170	125	41	84	.....	45	9	36	.....	128	74	43	35	21	14	.....	8	8	.....	.....
New Zealand .....	542	90	187	20	0	8	12	167	.....	167	.....	516	400	72	22	.....	22	.....	50	1	49	.....
Philippines .....	579	103	225	129	56	73	.....	96	35	61	.....	536	228	151	76	54	22	.....	75	25	50	.....
Singapore .....	349	55	640	334	98	236	.....	306	121	185	.....	575	206	778	634	475	159	.....	144	27	117	.....
Taiwan .....	1,189	95	1,244	300	109	191	.....	944	778	166	.....	805	721	1,552	1,384	1,145	239	.....	168	31	137	.....
Thailand .....	260	35	118	64	19	45	.....	54	3	51	.....	492	105	152	102	10	92	.....	50	23	27	.....
Other .....	422	86	1,673	403	171	18	214	1,270	1,236	34	.....	812	359	3,495	2,723	2,265	458	.....	772	73	699	.....
<b>International organizations and unallocated</b> .....	.....	.....	566	10	10	.....	.....	556	.....	.....	.....	.....	.....	1,147	1,147	1,147	.....	.....	.....	.....	.....	.....
<b>Addenda:</b>																						
European Union <sup>1</sup> .....	22,369	6,700	7,053	2,763	1,083	1,600	80	4,290	1,643	2,647	.....	18,219	9,557	9,284	4,956	3,550	1,406	.....	4,328	506	3,822	.....
Eastern Europe <sup>2</sup> .....	1,184	78	340	210	178	24	.....	130	45	85	.....	1,157	365	229	119	100	19	.....	110	75	35	.....

1. See table 2, footnote 2.

2. See table 2, footnote 3.

Table 3.2. Travel, Passenger Fares, and Other Transportation, 2000

[Millions of dollars]

	Receipts												Payments											
	Travel	Passenger fares	Other Transportation										Travel	Passenger fares	Other Transportation									
			Total	Freight				Port services				Total			Freight				Port services					
				Total	Ocean	Air	Other	Total	Ocean	Air	Other				Total	Ocean	Air	Other	Total	Ocean	Air	Other		
<b>All countries</b> .....	<b>82,400</b>	<b>20,687</b>	<b>29,803</b>	<b>12,547</b>	<b>4,290</b>	<b>5,776</b>	<b>2,481</b>	<b>17,256</b>	<b>8,781</b>	<b>8,235</b>	<b>240</b>	<b>64,705</b>	<b>24,274</b>	<b>41,425</b>	<b>27,388</b>	<b>20,068</b>	<b>4,738</b>	<b>2,582</b>	<b>14,037</b>	<b>2,038</b>	<b>11,894</b>	<b>105</b>		
<b>Canada</b> .....	<b>7,188</b>	<b>1,640</b>	<b>2,641</b>	<b>1,981</b>	<b>112</b>	<b>86</b>	<b>1,783</b>	<b>660</b>	<b>101</b>	<b>319</b>	<b>240</b>	<b>6,284</b>	<b>795</b>	<b>3,700</b>	<b>2,935</b>	<b>304</b>	<b>57</b>	<b>2,574</b>	<b>765</b>	<b>155</b>	<b>505</b>	<b>105</b>		
<b>Europe</b> .....	<b>27,834</b>	<b>6,981</b>	<b>9,524</b>	<b>3,332</b>	<b>1,311</b>	<b>1,935</b>	<b>86</b>	<b>6,192</b>	<b>2,776</b>	<b>3,416</b>	.....	<b>24,049</b>	<b>13,647</b>	<b>13,590</b>	<b>8,245</b>	<b>6,554</b>	<b>1,691</b>	.....	<b>5,345</b>	<b>658</b>	<b>4,687</b>	.....		
Belgium-Luxembourg .....	506	188	466	333	234	95	4	133	41	92	.....	351	349	630	160	68	92	.....	470	139	331	.....		
France .....	2,637	1,017	680	350	54	290	6	330	52	278	.....	3,650	1,184	982	314	135	179	.....	668	44	624	.....		
Germany .....	4,035	1,088	1,810	455	144	299	12	1,355	496	859	.....	2,696	1,936	2,151	1,296	989	307	.....	855	118	737	.....		
Italy .....	1,590	485	365	135	45	86	4	230	69	161	.....	2,917	668	544	377	285	92	.....	167	35	132	.....		
Netherlands .....	1,288	404	774	448	249	171	28	326	118	208	.....	749	972	1,055	484	303	181	.....	571	90	481	.....		
Norway .....	387	2	226	21	9	12	.....	205	205	.....	150	37	524	511	511	.....	.....	.....	13	13	.....	.....		
Spain .....	1,094	236	228	117	57	60	.....	111	2	109	.....	1,476	348	115	37	7	30	.....	78	16	62	.....		
Sweden .....	741	303	198	64	26	38	.....	134	51	83	.....	236	90	191	183	138	45	.....	8	8	.....	.....		
Switzerland .....	1,176	173	364	61	.....	61	.....	303	143	160	.....	983	928	494	469	302	167	.....	25	.....	25	.....		
United Kingdom .....	9,957	2,747	1,960	857	168	681	8	1,103	140	963	.....	6,400	4,766	2,654	853	393	460	.....	1,801	101	1,700	.....		
Other .....	4,423	338	2,453	491	325	142	24	1,962	1,459	503	.....	4,441	2,349	4,250	3,561	3,423	138	.....	689	94	595	.....		
<b>Latin America and Other</b>																								
<b>Western Hemisphere</b> .....	<b>22,134</b>	<b>5,963</b>	<b>3,537</b>	<b>1,851</b>	<b>394</b>	<b>1,191</b>	<b>266</b>	<b>1,686</b>	<b>476</b>	<b>1,210</b>	.....	<b>18,014</b>	<b>3,050</b>	<b>3,687</b>	<b>1,443</b>	<b>1,246</b>	<b>189</b>	<b>8</b>	<b>2,244</b>	<b>234</b>	<b>2,010</b>	.....		
<b>South and Central America</b> .....	<b>19,007</b>	<b>5,119</b>	<b>2,918</b>	<b>1,650</b>	<b>303</b>	<b>1,112</b>	<b>235</b>	<b>1,268</b>	<b>256</b>	<b>1,012</b>	.....	<b>13,181</b>	<b>2,300</b>	<b>2,585</b>	<b>773</b>	<b>584</b>	<b>181</b>	<b>8</b>	<b>1,812</b>	<b>188</b>	<b>1,624</b>	.....		
Argentina .....	1,411	665	152	77	12	65	.....	75	1	74	.....	507	140	29	15	1	14	.....	14	.....	14	.....		
Brazil .....	2,230	918	484	239	17	222	.....	245	18	227	.....	991	388	108	49	25	24	.....	59	3	56	.....		
Chile .....	576	167	217	48	14	34	.....	169	50	119	.....	429	91	145	112	59	53	.....	33	8	25	.....		
Mexico .....	5,162	1,028	683	349	64	230	55	334	85	249	.....	6,646	923	1,318	159	147	8	4	1,159	31	1,128	.....		
Venezuela .....	1,891	317	161	119	21	89	9	42	26	16	.....	249	69	128	71	64	7	.....	57	42	15	.....		
Other .....	7,737	2,024	1,221	818	175	472	171	403	76	327	.....	4,359	689	857	367	288	75	4	490	104	386	.....		
<b>Other Western Hemisphere</b> .....	<b>3,127</b>	<b>844</b>	<b>619</b>	<b>201</b>	<b>91</b>	<b>79</b>	<b>31</b>	<b>418</b>	<b>220</b>	<b>198</b>	.....	<b>4,833</b>	<b>750</b>	<b>1,102</b>	<b>670</b>	<b>662</b>	<b>8</b>	.....	<b>432</b>	<b>46</b>	<b>386</b>	.....		
Bermuda .....	17	10	85	5	.....	5	.....	80	80	.....	431	0	190	190	190	.....	.....	.....	.....	.....	.....	.....		
Other .....	3,110	834	534	196	91	74	31	338	140	198	.....	4,402	750	912	480	472	8	.....	432	46	386	.....		
<b>Africa</b> .....	<b>1,443</b>	<b>69</b>	<b>581</b>	<b>355</b>	<b>307</b>	<b>29</b>	<b>19</b>	<b>226</b>	<b>49</b>	<b>177</b>	.....	<b>1,370</b>	<b>451</b>	<b>238</b>	<b>102</b>	<b>88</b>	<b>14</b>	.....	<b>136</b>	<b>123</b>	<b>13</b>	.....		
South Africa .....	429	11	127	17	5	4	8	110	16	94	.....	272	254	54	44	35	9	.....	10	5	5	.....		
Other .....	1,014	58	454	338	302	25	11	116	33	83	.....	1,098	197	184	58	53	5	.....	126	118	8	.....		
<b>Middle East</b> .....	<b>2,235</b>	<b>361</b>	<b>1,104</b>	<b>591</b>	<b>488</b>	<b>103</b>	.....	<b>513</b>	<b>170</b>	<b>343</b>	.....	<b>1,333</b>	<b>367</b>	<b>652</b>	<b>477</b>	<b>352</b>	<b>125</b>	.....	<b>175</b>	<b>111</b>	<b>64</b>	.....		
Israel .....	873	248	484	246	195	51	.....	238	115	123	.....	860	263	391	267	190	77	.....	124	71	53	.....		
Saudi Arabia .....	603	8	142	81	68	13	.....	61	15	46	.....	206	67	64	47	27	20	.....	17	14	3	.....		
Other .....	759	105	478	264	225	39	.....	214	40	174	.....	267	37	197	163	135	28	.....	34	26	8	.....		
<b>Asia and Pacific</b> .....	<b>21,566</b>	<b>5,673</b>	<b>11,599</b>	<b>4,428</b>	<b>1,669</b>	<b>2,432</b>	<b>327</b>	<b>7,171</b>	<b>4,401</b>	<b>2,770</b>	.....	<b>13,655</b>	<b>5,964</b>	<b>17,220</b>	<b>11,848</b>	<b>9,186</b>	<b>2,662</b>	.....	<b>5,372</b>	<b>757</b>	<b>4,615</b>	.....		
Australia .....	1,856	530	282	166	22	106	38	116	8	108	.....	1,473	620	247	53	24	29	.....	194	5	189	.....		
China .....	1,120	304	975	262	168	94	.....	713	451	262	.....	1,169	151	1,525	1,228	886	342	.....	297	144	153	.....		
Hong Kong .....	814	250	467	445	125	320	.....	22	21	1	.....	1,299	714	801	318	316	2	.....	483	106	377	.....		
India .....	1,112	35	168	134	115	19	.....	34	3	31	.....	855	112	80	26	19	7	.....	54	44	10	.....		
Indonesia .....	263	191	103	96	88	8	.....	7	.....	7	.....	258	0	54	8	7	.....	46	46	.....	.....			
Japan .....	10,238	3,777	3,322	1,332	401	852	79	1,990	1,128	862	.....	2,897	944	5,377	3,007	2,352	655	.....	2,370	152	2,218	.....		
Korea, Republic of .....	2,216	64	1,668	302	186	116	.....	1,366	937	429	.....	1,071	1,141	1,949	1,822	1,637	185	.....	127	89	38	.....		
Malaysia .....	242	13	175	130	46	84	.....	45	9	36	.....	121	96	46	35	21	14	.....	11	11	.....	.....		
New Zealand .....	559	113	189	22	.....	10	12	167	.....	167	.....	646	365	68	25	.....	25	.....	43	.....	43	.....		
Philippines .....	739	93	248	153	80	73	.....	95	34	61	.....	796	364	156	76	54	22	.....	80	30	50	.....		
Singapore .....	417	94	620	317	81	236	.....	303	118	185	.....	673	191	781	635	475	160	.....	146	29	117	.....		
Taiwan .....	1,184	101	1,383	255	64	191	.....	1,128	961	167	.....	960	862	2,060	1,884	1,645	239	.....	176	39	137	.....		
Thailand .....	315	26	133	79	34	45	.....	54	3	51	.....	531	107	151	102	10	92	.....	49	22	27	.....		
Other .....	491	82	1,866	735	259	278	198	1,131	728	403	.....	906	297	3,925	2,629	1,740	889	.....	1,296	40	1,256	.....		
<b>International organizations and unallocated</b> .....	.....	.....	<b>817</b>	<b>9</b>	<b>9</b>	.....	.....	<b>808</b>	<b>808</b>	.....	.....	.....	.....	<b>2,338</b>	<b>2,338</b>	<b>2,338</b>	.....	.....	.....	.....	.....	.....		
<b>Addenda:</b>																								
European Union <sup>1</sup> .....	24,136	6,651	7,958	2,993	1,084	1,835	74	4,965	1,907	3,058	.....	20,678	12,023	10,859	5,861	4,382	1,479	.....	4,998	576	4,422	.....		
Eastern Europe <sup>2</sup> .....	1,336	89	314	162	133	21	.....	152	65	87	.....	1,274	365	255	175	156	19	.....	80	42	38	.....		

1. See table 2, footnote 2.  
2. See table 2, footnote 3.

Table 3.3. Travel, Passenger Fares, and Other Transportation, 2001

[Millions of dollars]

	Receipts												Payments											
	Travel	Passenger fares	Other Transportation										Travel	Passenger fares	Other Transportation									
			Total	Freight				Port services				Total			Freight				Port services					
				Total	Ocean	Air	Other	Total	Ocean	Air	Other				Total	Ocean	Air	Other	Total	Ocean	Air	Other		
<b>All countries</b> .....	<b>71,893</b>	<b>17,926</b>	<b>28,442</b>	<b>11,731</b>	<b>3,771</b>	<b>5,428</b>	<b>2,532</b>	<b>16,711</b>	<b>8,563</b>	<b>7,883</b>	<b>265</b>	<b>60,200</b>	<b>22,633</b>	<b>38,682</b>	<b>25,736</b>	<b>19,395</b>	<b>3,958</b>	<b>2,383</b>	<b>12,946</b>	<b>1,668</b>	<b>11,171</b>	<b>107</b>		
<b>Canada</b> .....	<b>6,595</b>	<b>1,768</b>	<b>2,478</b>	<b>1,858</b>	<b>162</b>	<b>81</b>	<b>1,615</b>	<b>620</b>	<b>81</b>	<b>274</b>	<b>265</b>	<b>6,345</b>	<b>685</b>	<b>3,337</b>	<b>2,590</b>	<b>275</b>	<b>45</b>	<b>2,270</b>	<b>747</b>	<b>129</b>	<b>511</b>	<b>107</b>		
<b>Europe</b> .....	<b>22,833</b>	<b>6,030</b>	<b>10,035</b>	<b>3,365</b>	<b>1,269</b>	<b>1,911</b>	<b>185</b>	<b>6,670</b>	<b>3,405</b>	<b>3,265</b>	.....	<b>22,089</b>	<b>12,301</b>	<b>14,251</b>	<b>9,349</b>	<b>7,785</b>	<b>1,463</b>	<b>101</b>	<b>4,902</b>	<b>502</b>	<b>4,400</b>	.....		
Belgium-Luxembourg .....	415	144	438	316	218	93	5	122	28	94	.....	302	282	554	153	72	81	.....	401	103	298	.....		
France .....	2,165	874	720	356	64	280	12	364	100	264	.....	3,423	1,150	1,153	471	215	166	90	682	12	670	.....		
Germany .....	2,936	807	2,006	487	167	305	15	1,519	695	824	.....	2,378	1,710	2,488	1,698	1,418	280	.....	790	88	702	.....		
Italy .....	1,147	360	430	154	64	85	5	276	112	164	.....	2,870	746	518	344	263	81	.....	174	58	116	.....		
Netherlands .....	1,045	374	914	445	169	167	109	469	276	193	.....	666	836	1,205	758	599	159	.....	447	43	404	.....		
Norway .....	352	0	325	15	10	5	.....	310	310	.....	.....	226	27	791	769	769	.....	22	21	1	.....			
Spain .....	825	190	269	164	96	68	.....	105	5	100	.....	1,199	272	133	50	30	20	.....	83	39	44	.....		
Sweden .....	536	179	236	52	26	26	.....	184	65	119	.....	230	84	177	166	124	42	.....	11	9	2	.....		
Switzerland .....	958	145	510	60	.....	60	.....	450	254	196	.....	704	821	611	592	460	132	.....	19	.....	19	.....		
United Kingdom .....	8,587	2,721	1,943	889	207	670	12	1,054	143	911	.....	5,936	3,815	2,450	810	424	386	.....	1,640	51	1,589	.....		
Other .....	3,867	236	2,244	427	248	152	27	1,817	1,417	400	.....	4,155	2,558	4,171	3,538	3,411	116	11	633	78	555	.....		
<b>Latin America and Other</b> .....	<b>20,352</b>	<b>5,382</b>	<b>3,235</b>	<b>1,792</b>	<b>430</b>	<b>1,048</b>	<b>314</b>	<b>1,443</b>	<b>432</b>	<b>1,011</b>	.....	<b>17,019</b>	<b>2,930</b>	<b>3,450</b>	<b>1,350</b>	<b>1,194</b>	<b>144</b>	<b>12</b>	<b>2,100</b>	<b>187</b>	<b>1,913</b>	.....		
<b>Western Hemisphere</b> .....	<b>17,108</b>	<b>4,575</b>	<b>2,634</b>	<b>1,581</b>	<b>338</b>	<b>968</b>	<b>275</b>	<b>1,053</b>	<b>188</b>	<b>865</b>	.....	<b>12,579</b>	<b>2,147</b>	<b>2,278</b>	<b>583</b>	<b>432</b>	<b>139</b>	<b>12</b>	<b>1,695</b>	<b>122</b>	<b>1,573</b>	.....		
<b>South and Central America</b> .....	<b>992</b>	<b>782</b>	<b>111</b>	<b>47</b>	<b>8</b>	<b>39</b>	<b>.....</b>	<b>64</b>	<b>3</b>	<b>61</b>	.....	<b>383</b>	<b>51</b>	<b>67</b>	<b>12</b>	<b>8</b>	<b>4</b>	.....	<b>55</b>	<b>.....</b>	<b>55</b>	.....		
Argentina .....	1,821	711	433	233	20	213	.....	200	21	179	.....	823	340	167	65	46	19	.....	102	4	98	.....		
Brazil .....	456	112	172	43	7	36	.....	129	47	82	.....	411	98	181	135	83	52	.....	46	6	40	.....		
Chile .....	5,320	949	720	369	81	224	64	351	48	303	.....	6,711	828	1,031	99	86	7	6	932	22	910	.....		
Mexico .....	1,809	337	156	121	17	93	11	35	19	16	.....	312	84	118	45	45	.....	.....	73	49	24	.....		
Venezuela .....	6,710	1,684	1,042	768	205	363	200	274	50	224	.....	3,939	746	714	227	164	57	6	487	41	446	.....		
<b>Other Western Hemisphere</b> .....	<b>3,244</b>	<b>807</b>	<b>601</b>	<b>211</b>	<b>92</b>	<b>80</b>	<b>39</b>	<b>390</b>	<b>244</b>	<b>146</b>	.....	<b>4,440</b>	<b>783</b>	<b>1,172</b>	<b>767</b>	<b>762</b>	<b>5</b>	.....	<b>405</b>	<b>65</b>	<b>340</b>	.....		
Bermuda .....	17	10	131	8	.....	8	.....	123	123	.....	.....	531	0	345	345	.....	.....	.....	.....	.....	.....	.....		
Other .....	3,227	797	470	203	92	72	39	267	121	146	.....	3,909	783	827	422	417	5	.....	405	65	340	.....		
<b>Africa</b> .....	<b>1,406</b>	<b>73</b>	<b>509</b>	<b>256</b>	<b>201</b>	<b>47</b>	<b>8</b>	<b>253</b>	<b>21</b>	<b>232</b>	.....	<b>1,397</b>	<b>525</b>	<b>166</b>	<b>82</b>	<b>67</b>	<b>15</b>	.....	<b>84</b>	<b>74</b>	<b>10</b>	.....		
South Africa .....	342	10	128	21	8	5	8	107	6	101	.....	285	261	38	26	18	8	.....	12	6	6	.....		
Other .....	1,064	63	381	235	193	42	.....	146	15	131	.....	1,112	264	128	56	49	7	.....	72	68	4	.....		
<b>Middle East</b> .....	<b>2,155</b>	<b>202</b>	<b>1,003</b>	<b>494</b>	<b>370</b>	<b>124</b>	.....	<b>509</b>	<b>189</b>	<b>320</b>	.....	<b>1,064</b>	<b>378</b>	<b>791</b>	<b>482</b>	<b>395</b>	<b>87</b>	.....	<b>309</b>	<b>189</b>	<b>120</b>	.....		
Israel .....	841	175	460	195	136	59	.....	265	151	114	.....	414	273	420	340	289	51	.....	80	45	35	.....		
Saudi Arabia .....	568	7	144	85	68	17	.....	59	21	38	.....	189	60	169	62	42	20	.....	107	95	12	.....		
Other .....	746	20	399	214	166	48	.....	185	17	168	.....	461	45	202	80	64	16	.....	122	49	73	.....		
<b>Asia and Pacific</b> .....	<b>16,552</b>	<b>4,471</b>	<b>10,385</b>	<b>3,946</b>	<b>1,319</b>	<b>2,217</b>	<b>410</b>	<b>6,439</b>	<b>3,658</b>	<b>2,781</b>	.....	<b>12,286</b>	<b>5,814</b>	<b>14,417</b>	<b>9,613</b>	<b>7,409</b>	<b>2,204</b>	.....	<b>4,804</b>	<b>587</b>	<b>4,217</b>	.....		
Australia .....	1,382	361	291	182	41	95	46	109	8	101	.....	1,549	762	221	70	45	25	.....	151	4	147	.....		
China .....	1,012	314	1,262	343	173	170	.....	919	561	358	.....	1,226	181	1,888	1,512	1,083	429	.....	376	150	226	.....		
Hong Kong .....	647	235	513	452	126	326	.....	61	61	.....	.....	924	580	663	149	149	.....	.....	514	80	434	.....		
India .....	1,048	126	236	120	103	17	.....	116	25	91	.....	723	123	161	100	90	10	.....	61	35	26	.....		
Indonesia .....	221	143	70	66	60	6	.....	4	1	3	.....	180	0	34	1	1	.....	.....	33	28	5	.....		
Japan .....	8,902	2,798	2,913	1,188	325	769	94	1,725	936	789	.....	2,674	1,015	4,411	2,339	1,869	470	.....	2,072	118	1,954	.....		
Korea, Republic of .....	1,927	43	1,672	294	97	197	.....	1,378	742	636	.....	702	1,077	1,739	1,639	1,452	187	.....	100	36	64	.....		
Malaysia .....	189	5	199	131	47	84	.....	68	28	40	.....	152	86	106	88	80	8	.....	18	17	1	.....		
New Zealand .....	476	79	115	22	.....	7	15	93	.....	93	.....	805	399	68	19	.....	.....	.....	49	.....	49	.....		
Philippines .....	746	118	251	120	57	63	.....	131	34	97	.....	723	320	159	93	72	21	.....	66	23	43	.....		
Singapore .....	314	68	582	280	66	214	.....	302	120	182	.....	425	173	651	509	343	166	.....	142	21	121	.....		
Taiwan .....	917	89	1,601	274	58	216	.....	1,327	1,120	207	.....	789	731	2,588	2,410	2,149	261	.....	178	32	146	.....		
Thailand .....	260	18	113	60	25	35	.....	53	3	50	.....	503	101	123	89	6	83	.....	34	15	19	.....		
Other .....	511	74	567	414	141	18	255	153	19	134	.....	911	266	1,605	595	70	525	.....	1,010	28	982	.....		
<b>International organizations and unallocated</b> .....	.....	.....	<b>797</b>	<b>20</b>	<b>20</b>	.....	.....	<b>777</b>	<b>777</b>	.....	.....	.....	<b>2,270</b>	<b>2,270</b>	<b>2,270</b>	.....	.....	.....	.....	.....	.....	.....		
<b>Addenda:</b>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
European Union <sup>1</sup> .....	19,609	5,788	8,577	3,087	1,108	1,809	170	5,490	2,563	2,927	.....	19,069	10,778	11,653	7,062	5,676	1,296	90	4,591	425	4,166	.....		
Eastern Europe <sup>2</sup> .....	1,248	60	263	122	91	20	11	141	53	88	.....	1,167	384	199	148	126	11	11	51	24	27	.....		

1. See table 2, footnote 2.

2. See table 2, footnote 3.



Table 3.4. Travel, Passenger Fares, and Other Transportation, 2002

(Millions of dollars)

	Receipts											Payments											
	Travel	Passenger fares	Other Transportation									Travel	Passenger fares	Other Transportation									
			Total	Freight			Port services			Total	Freight			Port services									
				Total	Ocean	Air	Other	Total	Ocean		Air			Other	Total	Ocean	Air	Other					
<b>All countries</b> .....	66,547	17,046	29,166	12,330	3,724	5,787	2,819	16,836	8,497	8,069	270	58,044	19,969	38,527	25,973	18,622	4,878	2,473	12,554	1,656	10,788	110	
<b>Canada</b> .....	6,268	1,717	2,624	1,937	136	87	1,714	687	74	343	270	6,489	594	3,589	2,705	238	51	2,416	884	132	642	110	
<b>Europe</b> .....	21,693	6,379	9,742	3,408	1,122	2,010	276	6,334	3,347	2,987	.....	20,785	9,984	13,758	9,004	7,379	1,580	45	4,754	514	4,240	.....	
Belgium-Luxembourg .....	413	288	474	333	218	110	5	141	40	101	.....	282	29	637	177	94	83	.....	460	110	350	.....	
France .....	1,974	778	876	470	64	279	127	406	88	318	.....	2,919	1,003	1,091	424	181	198	45	667	14	653	.....	
Germany .....	2,934	1,001	2,018	490	165	310	15	1,528	736	792	.....	2,275	1,531	2,560	1,807	1,471	336	.....	753	92	661	.....	
Italy .....	1,107	404	393	149	43	101	5	244	88	156	.....	2,504	495	487	270	199	71	.....	217	78	139	.....	
Netherlands .....	1,024	413	836	374	148	191	35	462	281	181	.....	852	526	1,231	802	614	188	.....	429	42	387	.....	
Norway .....	334	51	307	12	4	8	.....	295	295	.....	129	0	706	702	702	.....	.....	.....	4	3	1	.....	
Spain .....	804	213	317	199	79	71	49	118	6	112	.....	1,333	206	139	50	29	21	.....	89	42	47	.....	
Sweden .....	500	0	207	40	19	21	.....	167	58	109	.....	140	84	170	160	114	46	.....	10	4	6	.....	
Switzerland .....	696	195	353	62	1	61	.....	291	207	84	.....	619	530	422	413	390	23	.....	9	.....	9	.....	
United Kingdom .....	8,177	2,813	1,932	906	201	693	12	1,026	221	805	.....	5,561	3,290	2,657	1,069	576	493	.....	1,588	50	1,538	.....	
Other .....	3,730	223	2,029	373	180	165	28	1,656	1,327	329	.....	4,171	2,290	3,658	3,130	3,009	121	.....	528	79	449	.....	
<b>Latin America and Other</b>																							
<b>Western Hemisphere</b> .....	18,236	4,726	3,296	1,914	432	1,109	373	1,382	458	924	.....	17,314	2,665	3,407	1,436	1,261	163	12	1,971	157	1,814	.....	
<b>South and Central America</b> .....	15,290	4,042	2,617	1,646	343	1,015	288	971	171	800	.....	12,754	2,044	2,133	560	391	157	12	1,573	108	1,465	.....	
Argentina .....	379	269	77	27	4	23	.....	50	2	48	.....	238	55	87	8	5	3	.....	79	4	75	.....	
Brazil .....	1,373	526	386	205	20	185	.....	181	8	173	.....	662	276	193	51	19	32	.....	142	2	140	.....	
Chile .....	368	121	201	56	4	52	.....	145	40	105	.....	282	74	197	139	73	66	.....	58	5	53	.....	
Mexico .....	5,507	1,329	792	407	93	247	67	385	68	317	.....	7,061	794	993	139	126	7	6	854	21	833	.....	
Venezuela .....	1,374	262	131	98	19	68	11	33	20	13	.....	173	37	135	54	54	.....	.....	81	50	31	.....	
Other .....	6,289	1,535	1,030	853	203	440	210	177	33	144	.....	4,338	808	528	169	114	49	6	359	26	333	.....	
<b>Other Western Hemisphere</b> .....	2,946	684	679	268	89	94	85	411	287	124	.....	4,560	621	1,274	876	870	6	.....	396	49	349	.....	
Bermuda .....	16	10	217	58	5	8	45	159	159	.....	563	0	455	454	454	.....	.....	.....	1	1	.....	.....	
Other .....	2,930	674	462	210	84	86	40	252	128	124	.....	3,997	621	819	422	416	6	.....	397	48	349	.....	
<b>Africa</b> .....	1,114	19	562	281	221	52	8	281	18	263	.....	1,048	455	217	93	68	25	.....	124	103	21	.....	
South Africa .....	248	9	121	20	8	4	8	101	10	91	.....	250	227	51	35	27	8	.....	16	4	12	.....	
Other .....	866	10	441	261	213	48	.....	180	8	172	.....	798	228	166	58	41	17	.....	108	99	9	.....	
<b>Middle East</b> .....	1,455	177	1,264	534	410	124	.....	730	208	522	.....	987	347	892	544	406	138	.....	348	128	220	.....	
Israel .....	753	174	484	193	139	54	.....	291	181	110	.....	308	209	522	435	353	82	.....	87	64	23	.....	
Saudi Arabia .....	228	0	156	94	76	18	.....	62	27	35	.....	232	35	130	81	53	28	.....	49	33	16	.....	
Other .....	474	3	624	247	195	52	.....	377	0	377	.....	447	103	240	28	0	28	.....	212	31	181	.....	
<b>Asia and Pacific</b> .....	17,781	4,028	11,000	4,233	1,380	2,405	448	6,767	3,737	3,030	.....	11,421	5,924	14,864	10,391	7,470	2,921	.....	4,473	622	3,851	.....	
Australia .....	1,473	339	292	202	45	109	48	90	5	85	.....	997	641	192	70	38	32	.....	122	4	118	.....	
China .....	958	227	1,436	416	184	220	12	1,020	659	361	.....	1,124	292	2,256	1,850	1,268	582	.....	406	193	213	.....	
Hong Kong .....	414	214	515	460	111	349	.....	55	55	.....	884	529	591	135	135	.....	.....	.....	456	86	370	.....	
India .....	1,093	52	238	143	109	34	.....	95	21	74	.....	703	164	130	77	69	8	.....	53	33	20	.....	
Indonesia .....	178	116	76	73	64	9	.....	3	1	2	.....	151	0	31	2	1	.....	29	20	9	.....		
Japan .....	8,492	2,809	2,825	1,241	328	813	100	1,584	861	723	.....	2,874	1,051	4,169	2,299	1,737	562	.....	1,870	119	1,751	.....	
Korea, Republic of .....	2,175	13	2,063	317	102	215	.....	1,746	782	964	.....	888	1,110	1,875	1,743	1,514	229	.....	132	42	90	.....	
Malaysia .....	150	0	208	143	45	98	.....	65	29	36	.....	168	81	100	90	77	13	.....	10	9	1	.....	
New Zealand .....	422	51	125	26	.....	10	16	99	.....	99	.....	417	332	81	22	.....	.....	.....	59	.....	59	.....	
Philippines .....	646	76	247	125	68	57	.....	122	25	97	.....	537	298	156	78	54	24	.....	78	25	53	.....	
Singapore .....	332	40	545	300	75	225	.....	245	89	156	.....	496	227	656	483	248	235	.....	173	20	153	.....	
Taiwan .....	794	65	1,694	273	58	215	.....	1,421	1,193	228	.....	992	881	2,830	2,651	2,283	368	.....	179	35	144	.....	
Thailand .....	246	23	104	64	25	39	.....	40	2	38	.....	484	72	117	90	5	85	.....	27	12	15	.....	
Other .....	408	3	632	450	166	12	272	182	15	167	.....	706	246	1,680	801	41	760	.....	879	24	855	.....	
<b>International organizations and unallocated</b> .....	.....	.....	678	23	23	.....	.....	655	655	.....	.....	.....	1,800	1,800	1,800	.....	.....	.....	.....	.....	.....	.....	
<b>Addenda:</b>																							
European Union <sup>1</sup> .....	18,804	6,049	8,525	3,165	1,005	1,900	260	5,360	2,575	2,785	.....	17,942	8,841	11,569	7,062	5,505	1,512	45	4,507	448	4,059	.....	
Eastern Europe <sup>2</sup> .....	1,206	52	253	132	64	28	40	121	40	81	.....	1,333	425	173	121	104	17	.....	52	25	27	.....	

1. See table 2, footnote 2.  
2. See table 2, footnote 3.

Table 4.1. Royalties and License Fees, 1999

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>39,670</b>	<b>29,275</b>	<b>27,575</b>	<b>1,700</b>	<b>10,395</b>	<b>3,900</b>	<b>385</b>	<b>273</b>	<b>458</b>	<b>1,123</b>	<b>3,702</b>	<b>552</b>
<b>Canada</b> .....	<b>2,225</b>	<b>1,833</b>	<b>1,793</b>	<b>40</b>	<b>391</b>	<b>118</b>	<b>28</b>	<b>17</b>	<b>48</b>	<b>48</b>	<b>133</b>	<b>0</b>
<b>Europe</b> .....	<b>19,961</b>	<b>15,930</b>	<b>14,883</b>	<b>1,047</b>	<b>4,031</b>	<b>1,418</b>	<b>220</b>	<b>163</b>	<b>150</b>	<b>331</b>	<b>1,731</b>	<b>16</b>
Belgium-Luxembourg .....	798	(D)	(D)	5	(D)	102	3	3	2	3	(D)	(*)
France .....	2,273	1,776	1,752	24	498	226	28	39	(D)	24	163	(D)
Germany .....	3,086	2,170	1,957	213	915	297	47	21	23	23	503	1
Italy .....	1,010	706	692	14	304	117	21	13	12	28	112	1
Netherlands .....	1,900	1,755	1,646	109	145	45	10	7	4	9	69	0
Norway .....	133	94	92	3	38	2	3	3	5	2	22	1
Spain .....	593	426	426	1	167	18	18	15	10	55	52	0
Sweden .....	435	261	254	6	174	100	5	6	5	5	53	2
Switzerland .....	944	802	692	110	142	94	6	3	1	6	33	0
United Kingdom .....	3,647	2,784	2,294	490	863	216	56	39	41	61	446	4
Other .....	5,142	(D)	(D)	72	(D)	202	24	13	(D)	116	(D)	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>3,300</b>	<b>(D)</b>	<b>2,608</b>	<b>(D)</b>	<b>(D)</b>	<b>96</b>	<b>33</b>	<b>18</b>	<b>56</b>	<b>134</b>	<b>(D)</b>	<b>(D)</b>
South and Central America .....	2,230	(D)	1,615	(D)	(D)	69	31	17	37	126	(D)	0
Argentina .....	252	201	196	6	50	8	4	3	3	20	13	0
Brazil .....	596	(D)	372	(D)	(D)	10	12	5	2	45	(D)	0
Chile .....	58	35	33	2	24	4	1	(*)	3	10	6	0
Mexico .....	935	802	750	52	133	36	8	7	11	20	50	0
Venezuela .....	150	112	109	3	38	6	3	1	3	10	15	0
Other .....	238	(D)	156	(D)	(D)	6	2	1	16	21	(D)	0
Other Western Hemisphere .....	1,070	(D)	993	(D)	(D)	27	2	1	19	7	(D)	(D)
Bermuda .....	118	(D)	(D)	0	(D)	22	(*)	1	(*)	1	(D)	(D)
Other .....	952	(D)	(D)	(D)	(D)	5	2	1	19	6	(D)	0
<b>Africa</b> .....	<b>398</b>	<b>(D)</b>	<b>234</b>	<b>(D)</b>	<b>(D)</b>	<b>19</b>	<b>5</b>	<b>3</b>	<b>10</b>	<b>31</b>	<b>(D)</b>	<b>0</b>
South Africa .....	272	(D)	158	(D)	(D)	16	5	3	4	(D)	43	0
Other .....	126	80	77	3	46	3	1	0	6	(D)	(D)	0
<b>Middle East</b> .....	<b>248</b>	<b>85</b>	<b>81</b>	<b>4</b>	<b>163</b>	<b>50</b>	<b>9</b>	<b>2</b>	<b>38</b>	<b>15</b>	<b>48</b>	<b>0</b>
Israel .....	111	36	36	(*)	75	16	5	1	8	9	35	0
Saudi Arabia .....	82	36	36	(*)	46	20	3	1	11	3	8	0
Other .....	55	13	9	4	41	14	1	(*)	19	3	5	0
<b>Asia and Pacific</b> .....	<b>11,445</b>	<b>6,909</b>	<b>6,597</b>	<b>312</b>	<b>4,536</b>	<b>2,188</b>	<b>70</b>	<b>66</b>	<b>138</b>	<b>534</b>	<b>(D)</b>	<b>(D)</b>
Australia .....	735	552	535	17	183	30	12	7	11	18	105	0
China .....	409	310	308	1	100	32	2	2	5	10	49	0
Hong Kong .....	326	264	259	5	62	12	4	1	13	11	22	0
India .....	67	21	21	1	46	17	1	(D)	4	1	(D)	0
Indonesia .....	55	25	25	0	30	21	(*)	(*)	5	1	2	0
Japan .....	6,024	3,452	3,251	201	2,572	1,161	38	29	33	448	(D)	(D)
Korea, Republic of .....	1,119	(D)	182	(D)	(D)	650	4	(D)	14	8	185	0
Malaysia .....	104	64	64	(*)	40	12	1	(*)	10	2	14	0
New Zealand .....	66	41	41	(*)	25	3	5	3	3	3	10	0
Philippines .....	103	72	71	1	31	7	2	1	7	11	4	0
Singapore .....	1,665	1,578	1,575	3	87	37	1	4	5	3	36	0
Taiwan .....	639	195	190	5	445	187	3	1	15	9	229	0
Thailand .....	112	72	68	5	40	16	(*)	5	8	5	4	0
Other .....	22	(D)	8	(D)	(D)	3	(*)	(*)	4	4	(D)	0
<b>International organizations and unallocated</b> .....	<b>2,093</b>	<b>1,463</b>	<b>1,378</b>	<b>85</b>	<b>630</b>	<b>11</b>	<b>20</b>	<b>4</b>	<b>17</b>	<b>30</b>	<b>28</b>	<b>520</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	18,419	14,751	13,829	922	3,668	1,283	204	153	127	300	1,587	15
Eastern Europe <sup>2</sup> .....	321	197	188	8	124	34	6	3	(D)	4	(D)	0

See footnotes at the end of the table.

Table 4.1. Royalties and License Fees, 1999—Continued

[Millions of dollars]

	Payments											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	13,107	10,374	2,310	8,064	2,733	1,568	187	101	7	229	517	124
<b>Canada</b> .....	558	373	113	260	185	136	25	8	(*)	6	10	(*)
<b>Europe</b> .....	7,392	5,843	1,013	4,829	1,549	766	136	67	6	107	466	1
Belgium-Luxembourg .....	235	(D)	29	(D)	(D)	31	1	(*)	0	1	(D)	0
France .....	930	(D)	(D)	397	(D)	(D)	5	(D)	0	5	(D)	0
Germany .....	1,263	1,050	26	1,024	213	148	4	1	0	19	41	(*)
Italy .....	94	75	30	45	19	6	2	0	0	6	4	0
Netherlands .....	834	(D)	(D)	358	(D)	37	3	(*)	0	9	(D)	0
Norway .....	26	14	1	13	11	9	2	0	0	(*)	(*)	0
Spain .....	29	(D)	21	(D)	(D)	(D)	4	(*)	(*)	1	(*)	0
Sweden .....	175	110	16	94	65	57	4	(*)	0	1	3	0
Switzerland .....	1,281	(D)	(D)	935	(D)	112	6	(D)	0	1	(D)	0
United Kingdom .....	1,755	1,355	152	1,202	400	147	102	40	0	53	58	1
Other .....	770	635	46	589	135	(D)	3	(*)	6	11	(D)	0
<b>Latin America and Other Western</b>	<b>1,018</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>29</b>	<b>5</b>	<b>(D)</b>	<b>0</b>	<b>6</b>	<b>(D)</b>	<b>1</b>
<b>Hemisphere</b> .....	<b>137</b>	<b>(D)</b>	<b>44</b>	<b>(D)</b>	<b>(D)</b>	<b>4</b>	<b>4</b>	<b>(D)</b>	<b>0</b>	<b>2</b>	<b>(D)</b>	<b>1</b>
South and Central America .....	13	11	3	8	3	(*)	1	0	0	(*)	2	0
Argentina .....	6	4	4	0	2	(*)	(*)	0	0	0	1	0
Brazil .....	5	5	1	4	0	0	0	0	0	0	0	0
Chile .....	91	76	24	52	15	7	2	(D)	0	0	(D)	1
Mexico .....	8	6	1	4	2	(*)	1	(*)	0	0	(*)	0
Venezuela .....	14	(D)	11	(D)	(D)	(D)	(*)	0	0	0	(*)	(*)
Other .....	880	(D)	(D)	(D)	(D)	(D)	1	(*)	0	4	0	0
<b>Other Western Hemisphere</b> .....	836	(D)	(D)	(D)	(D)	(D)	0	0	0	4	0	0
Bermuda .....	44	(D)	(D)	(D)	(D)	(D)	1	(*)	0	4	0	0
Other .....	<b>8</b>	<b>(D)</b>	<b>5</b>	<b>(D)</b>	<b>(D)</b>	<b>(*)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(D)</b>	<b>(D)</b>	<b>0</b>
<b>Africa</b> .....	6	(D)	4	(D)	(D)	(*)	(*)	0	0	(D)	(D)	0
South Africa .....	1	1	1	(*)	(*)	0	0	0	0	(D)	(D)	0
Other .....	<b>22</b>	<b>1</b>	<b>1</b>	<b>(*)</b>	<b>21</b>	<b>14</b>	<b>(*)</b>	<b>0</b>	<b>(*)</b>	<b>(D)</b>	<b>5</b>	<b>1</b>
<b>Middle East</b> .....	20	1	1	(*)	19	14	0	0	0	0	5	0
Israel .....	1	(*)	(*)	0	(*)	(*)	0	0	0	0	0	0
Saudi Arabia .....	1	(*)	(*)	0	(*)	(*)	0	0	0	0	0	0
Other .....	<b>3,450</b>	<b>(D)</b>	<b>(D)</b>	<b>2,535</b>	<b>(D)</b>	<b>614</b>	<b>13</b>	<b>(D)</b>	<b>(*)</b>	<b>41</b>	<b>(D)</b>	<b>3</b>
<b>Asia and Pacific</b> .....	91	35	15	20	56	20	9	(D)	0	1	(D)	0
Australia .....	25	(D)	11	(D)	(D)	13	2	0	0	0	(D)	0
China .....	22	16	14	1	7	2	2	(*)	0	0	1	1
Hong Kong .....	2	1	1	0	1	1	0	0	0	0	(*)	0
India .....	1	1	1	(*)	0	0	0	0	0	0	0	0
Indonesia .....	3,131	2,522	92	2,430	609	550	1	(*)	0	39	18	0
Japan .....	93	(D)	17	(D)	(D)	22	(*)	0	0	0	(D)	0
Korea, Republic of .....	1	1	1	0	(*)	0	0	0	0	0	0	0
Malaysia .....	3	(*)	(*)	(*)	3	1	1	0	0	0	0	0
New Zealand .....	9	8	8	0	1	(*)	(*)	(*)	0	0	0	1
Philippines .....	22	(D)	(D)	1	(D)	(*)	(*)	(*)	0	0	0	1
Singapore .....	50	(D)	12	(D)	(D)	7	(*)	(*)	0	0	(D)	1
Taiwan .....	1	1	1	0	(*)	0	0	0	0	0	(*)	0
Thailand .....	1	(*)	(*)	0	1	(*)	0	0	(*)	0	0	0
Other .....	<b>660</b>	<b>454</b>	<b>101</b>	<b>353</b>	<b>206</b>	<b>9</b>	<b>8</b>	<b>(*)</b>	<b>(*)</b>	<b>69</b>	<b>1</b>	<b>119</b>
<b>International organizations and unallocated</b> .....	<b>5,993</b>	<b>(D)</b>	<b>(D)</b>	<b>3,868</b>	<b>(D)</b>	<b>578</b>	<b>126</b>	<b>50</b>	<b>6</b>	<b>(D)</b>	<b>454</b>	<b>1</b>
<b>Addenda:</b>	23	17	5	12	5	(*)	2	0	1	2	1	0
European Union <sup>1</sup> .....												
Eastern Europe <sup>2</sup> .....												

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

1. See table 2, footnote 2.  
 2. See table 2, footnote 3.

Table 4.2. Royalties and License Fees, 2000

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>43,233</b>	<b>30,479</b>	<b>28,255</b>	<b>2,224</b>	<b>12,754</b>	<b>4,662</b>	<b>489</b>	<b>201</b>	<b>573</b>	<b>1,353</b>	<b>4,787</b>	<b>689</b>
<b>Canada</b> .....	<b>2,802</b>	<b>2,114</b>	<b>2,062</b>	<b>51</b>	<b>689</b>	<b>153</b>	<b>47</b>	<b>22</b>	<b>71</b>	<b>81</b>	<b>314</b>	<b>(*)</b>
<b>Europe</b> .....	<b>20,264</b>	<b>15,660</b>	<b>14,249</b>	<b>1,412</b>	<b>4,604</b>	<b>1,445</b>	<b>279</b>	<b>(D)</b>	<b>198</b>	<b>390</b>	<b>2,189</b>	<b>(D)</b>
Belgium-Luxembourg .....	803	614	610	4	189	127	5	1	4	5	47	(*)
France .....	2,167	1,652	1,612	40	516	153	39	11	12	32	263	6
Germany .....	3,148	2,059	1,859	200	1,090	373	53	8	30	23	603	(*)
Italy .....	999	670	660	10	329	106	26	3	15	49	130	0
Netherlands .....	1,439	1,242	1,137	106	197	54	15	(*)	5	13	110	(*)
Norway .....	157	(D)	78	(D)	(D)	2	2	1	6	5	39	(D)
Spain .....	535	339	339	1	195	14	(D)	(D)	14	56	79	(*)
Sweden .....	520	(D)	238	(D)	(D)	85	7	2	5	13	56	(D)
Switzerland .....	1,464	1,249	814	435	214	122	10	1	3	8	72	(*)
United Kingdom .....	3,579	2,641	2,263	378	938	156	71	24	60	74	553	(*)
Other .....	5,452	4,758	4,640	119	693	253	(D)	(D)	45	113	237	(*)
<b>Latin America and Other Western Hemisphere</b> .....	<b>3,648</b>	<b>(D)</b>	<b>2,870</b>	<b>(D)</b>	<b>(D)</b>	<b>79</b>	<b>35</b>	<b>27</b>	<b>73</b>	<b>165</b>	<b>(D)</b>	<b>(*)</b>
South and Central America .....	2,532	(D)	1,872	(D)	(D)	(D)	33	26	54	160	207	0
Argentina .....	274	214	211	3	60	7	8	1	4	21	20	0
Brazil .....	703	(D)	464	(D)	(D)	(D)	11	6	2	49	74	0
Chile .....	57	32	32	0	25	4	1	(*)	4	11	5	0
Mexico .....	1,083	908	897	11	174	17	9	16	24	32	76	(*)
Venezuela .....	189	(D)	114	(D)	(D)	(D)	2	2	4	14	17	(*)
Other .....	227	153	153	(*)	74	5	3	1	17	33	16	0
Other Western Hemisphere .....	1,115	(D)	998	(D)	(D)	(D)	2	1	19	5	(D)	(*)
Bermuda .....	66	(D)	(D)	(*)	(D)	(D)	(*)	0	(*)	0	(D)	(*)
Other .....	1,049	996	(D)	(D)	52	(D)	2	1	19	5	(D)	0
<b>Africa</b> .....	<b>402</b>	<b>(D)</b>	<b>200</b>	<b>(D)</b>	<b>(D)</b>	<b>13</b>	<b>6</b>	<b>1</b>	<b>13</b>	<b>48</b>	<b>(D)</b>	<b>(*)</b>
South Africa .....	243	(D)	127	(D)	(D)	7	5	1	5	(D)	45	(*)
Other .....	159	81	73	8	78	5	1	(*)	8	(D)	(D)	0
<b>Middle East</b> .....	<b>308</b>	<b>89</b>	<b>87</b>	<b>2</b>	<b>218</b>	<b>80</b>	<b>10</b>	<b>4</b>	<b>48</b>	<b>27</b>	<b>49</b>	<b>(*)</b>
Israel .....	140	46	46	(*)	94	29	4	4	11	19	27	0
Saudi Arabia .....	101	37	36	(*)	65	37	5	(*)	13	4	6	(*)
Other .....	67	7	5	2	60	14	2	0	24	4	17	0
<b>Asia and Pacific</b> .....	<b>13,545</b>	<b>7,781</b>	<b>7,376</b>	<b>405</b>	<b>5,764</b>	<b>2,882</b>	<b>96</b>	<b>(D)</b>	<b>160</b>	<b>602</b>	<b>1,930</b>	<b>(D)</b>
Australia .....	746	558	535	23	188	27	16	3	14	24	103	(*)
China .....	501	346	346	(*)	155	44	3	4	4	17	83	0
Hong Kong .....	396	302	300	2	94	11	5	(*)	15	18	45	(*)
India .....	81	23	20	3	58	23	1	4	3	5	22	0
Indonesia .....	57	24	24	0	33	15	1	1	6	3	9	0
Japan .....	6,622	3,273	2,942	331	3,349	1,611	48	(D)	41	469	1,126	(D)
Korea, Republic of .....	1,452	(D)	229	(D)	(D)	895	6	4	21	26	(D)	0
Malaysia .....	145	104	104	1	40	10	1	(*)	12	3	14	(*)
New Zealand .....	56	36	36	0	20	3	1	4	3	4	5	0
Philippines .....	100	61	61	0	39	7	1	1	7	14	9	(*)
Singapore .....	2,550	2,464	2,462	2	86	20	1	5	6	4	50	(*)
Taiwan .....	682	(D)	219	(D)	(D)	196	5	5	17	11	(D)	(*)
Thailand .....	139	89	89	0	50	16	6	6	8	5	9	0
Other .....	18	8	8	0	10	3	(*)	1	4	1	1	0
<b>International organizations and unallocated</b> ..	<b>2,264</b>	<b>1,523</b>	<b>1,412</b>	<b>111</b>	<b>741</b>	<b>11</b>	<b>15</b>	<b>3</b>	<b>10</b>	<b>39</b>	<b>26</b>	<b>637</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	18,224	14,050	13,095	955	4,173	1,313	255	(D)	167	351	2,004	(D)
Eastern Europe <sup>2</sup> .....	269	180	173	8	88	5	8	4	9	8	54	0

See footnotes at the end of the table.

**Table 4.2. Royalties and License Fees, 2000—Continued**  
[Millions of dollars]

	Payments											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>16,468</b>	<b>12,536</b>	<b>2,469</b>	<b>10,067</b>	<b>3,932</b>	<b>1,692</b>	<b>279</b>	<b>649</b>	<b>4</b>	<b>433</b>	<b>540</b>	<b>336</b>
<b>Canada</b> .....	976	(D)	(D)	328	(D)	116	30	(D)	0	12	17	(D)
<b>Europe</b> .....	8,673	(D)	(D)	5,915	(D)	907	204	86	3	(D)	482	(D)
Belgium-Luxembourg .....	238	188	21	167	50	29	1	(D)	(D)	(D)	(D)	0
France .....	1,093	580	75	505	514	133	9	(D)	(D)	2	(D)	(D)
Germany .....	1,642	1,331	27	1,304	311	210	11	(D)	(D)	30	(D)	59
Italy .....	83	40	12	29	42	12	7	(D)	(D)	(D)	(D)	0
Netherlands .....	1,068	(D)	(D)	605	(D)	33	4	(D)	(D)	3	(D)	3
Norway .....	32	(D)	1	(D)	(D)	5	(D)	0	(D)	0	(D)	0
Spain .....	28	22	19	3	6	(D)	4	1	0	1	(D)	0
Sweden .....	371	(D)	13	(D)	(D)	69	(D)	(D)	0	4	(D)	3
Switzerland .....	1,598	(D)	(D)	1,270	(D)	135	3	(D)	0	7	(D)	7
United Kingdom .....	1,514	(D)	(D)	966	(D)	162	141	(D)	0	24	(D)	3
Other .....	1,006	817	44	773	189	119	(D)	(D)	3	(D)	11	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>1,183</b>	<b>(D)</b>	<b>(D)</b>	<b>104</b>	<b>(D)</b>	<b>120</b>	<b>11</b>	<b>4</b>	<b>(D)</b>	<b>1</b>	<b>2</b>	<b>(D)</b>
South and Central America .....	242	(D)	52	(D)	(D)	(D)	8	4	0	0	2	(D)
Argentina .....	28	(D)	7	(D)	(D)	(D)	1	0	0	0	(D)	(D)
Brazil .....	15	8	8	(D)	7	6	(D)	0	0	0	1	0
Chile .....	(D)	(D)	2	(D)	(D)	0	0	(D)	0	0	0	0
Mexico .....	93	69	25	44	23	14	5	3	0	0	0	1
Venezuela .....	11	(D)	2	(D)	8	6	1	0	0	0	0	0
Other .....	(D)	8	8	(D)	(D)	1	1	0	0	0	1	0
Other Western Hemisphere .....	941	(D)	(D)	(D)	(D)	(D)	4	0	0	0	0	(D)
Bermuda .....	856	(D)	(D)	(D)	(D)	1	0	0	0	0	0	0
Other .....	85	(D)	(D)	(D)	(D)	(D)	4	0	(D)	1	0	0
<b>Africa</b> .....	<b>6</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>(D)</b>	<b>(D)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(D)</b>	<b>0</b>
South Africa .....	2	2	2	(D)	(D)	0	0	0	0	0	(D)	0
Other .....	4	3	3	(D)	1	(D)	(D)	0	0	0	(D)	0
<b>Middle East</b> .....	<b>34</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>31</b>	<b>26</b>	<b>(D)</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>
Israel .....	29	1	1	1	27	23	(D)	0	0	1	3	0
Saudi Arabia .....	1	1	1	0	(D)	(D)	0	0	0	0	0	0
Other .....	4	0	0	0	4	3	0	0	0	0	0	1
<b>Asia and Pacific</b> .....	<b>4,253</b>	<b>3,432</b>	<b>153</b>	<b>3,279</b>	<b>821</b>	<b>516</b>	<b>23</b>	<b>(D)</b>	<b>(D)</b>	<b>0</b>	<b>34</b>	<b>(D)</b>
Australia .....	95	(D)	15	(D)	(D)	25	(D)	2	0	0	5	(D)
China .....	13	4	4	(D)	9	6	(D)	1	0	1	0	(D)
Hong Kong .....	20	16	8	8	4	2	1	(D)	0	0	0	(D)
India .....	2	1	0	0	1	(D)	0	0	0	0	0	0
Indonesia .....	3	2	2	(D)	1	0	0	0	0	0	0	0
Japan .....	3,954	3,253	63	3,190	702	460	3	(D)	0	0	16	0
Korea, Republic of .....	49	(D)	13	(D)	(D)	19	1	(D)	0	0	1	0
Malaysia .....	(D)	4	4	(D)	(D)	0	0	0	0	0	0	(D)
New Zealand .....	1	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0	0
Philippines .....	4	4	4	(D)	(D)	0	0	0	0	0	0	0
Singapore .....	31	21	16	5	10	(D)	0	0	0	0	9	1
Taiwan .....	50	(D)	20	(D)	(D)	2	1	1	0	0	1	2
Thailand .....	(D)	(D)	5	(D)	(D)	0	0	0	0	0	(D)	0
Other .....	2	1	1	(D)	(D)	(D)	0	0	0	0	0	0
<b>International organizations and unallocated</b> ..	<b>1,342</b>	<b>548</b>	<b>108</b>	<b>440</b>	<b>794</b>	<b>7</b>	<b>11</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>1</b>	<b>148</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	6,898	5,316	754	4,562	1,583	694	199	67	3	(D)	479	(D)
Eastern Europe <sup>2</sup> .....	70	67	9	57	3	1	1	0	0	1	(D)	0

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

1. See table 2, footnote 2.  
2. See table 2, footnote 3.

Table 4.3. Royalties and License Fees, 2001

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>41,098</b>	<b>29,023</b>	<b>27,030</b>	<b>1,993</b>	<b>12,075</b>	<b>4,226</b>	<b>521</b>	<b>174</b>	<b>517</b>	<b>997</b>	<b>5,004</b>	<b>637</b>
<b>Canada</b> .....	<b>2,870</b>	<b>2,156</b>	<b>2,100</b>	<b>56</b>	<b>714</b>	<b>153</b>	<b>60</b>	<b>19</b>	<b>60</b>	<b>93</b>	<b>330</b>	<b>(*)</b>
<b>Europe</b> .....	<b>19,007</b>	<b>14,516</b>	<b>13,086</b>	<b>1,431</b>	<b>4,491</b>	<b>1,404</b>	<b>307</b>	<b>(D)</b>	<b>176</b>	<b>314</b>	<b>2,202</b>	<b>(D)</b>
Belgium-Luxembourg .....	753	596	593	3	157	91	5	1	6	11	42	0
France .....	2,004	1,397	1,347	50	607	199	42	(D)	(D)	39	303	(*)
Germany .....	2,722	1,671	1,521	150	1,051	332	54	9	23	37	595	(*)
Italy .....	1,005	704	689	15	301	79	28	(D)	14	35	134	(D)
Netherlands .....	1,333	1,162	1,003	159	171	31	16	2	4	19	100	0
Norway .....	152	(D)	67	(D)	(D)	2	4	3	(D)	3	34	0
Spain .....	491	351	(*)	(*)	140	13	21	10	16	14	66	(*)
Sweden .....	375	229	227	2	146	52	7	1	5	13	88	0
Switzerland .....	1,715	1,514	930	584	202	114	10	(*)	3	8	65	2
United Kingdom .....	3,609	2,593	2,253	340	1,016	194	84	22	44	64	608	(*)
Other .....	4,846	(D)	4,103	(D)	(D)	297	36	7	41	71	187	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>3,621</b>	<b>3,074</b>	<b>2,989</b>	<b>85</b>	<b>547</b>	<b>81</b>	<b>37</b>	<b>10</b>	<b>68</b>	<b>113</b>	<b>238</b>	<b>(*)</b>
South and Central America .....	2,445	(D)	1,914	(D)	107	35	9	49	107	230	(*)	(*)
Argentina .....	221	178	178	0	42	2	6	(*)	2	10	22	0
Brazil .....	642	(D)	467	(D)	(D)	(D)	10	4	2	21	102	0
Chile .....	61	39	39	(*)	22	3	1	(*)	3	7	8	0
Mexico .....	1,171	1,009	992	17	162	27	13	3	18	32	68	(*)
Venezuela .....	145	101	97	4	44	8	2	1	4	13	17	0
Other .....	205	140	140	(*)	65	4	3	1	19	24	13	0
Other Western Hemisphere .....	1,176	(D)	1,075	(D)	(D)	(D)	2	1	19	6	8	(*)
Bermuda .....	64	(D)	(D)	0	(D)	(D)	(*)	0	(*)	(*)	6	(*)
Other .....	1,112	(D)	(D)	(D)	(D)	(D)	2	1	19	6	2	0
<b>Africa</b> .....	<b>332</b>	<b>231</b>	<b>221</b>	<b>10</b>	<b>101</b>	<b>16</b>	<b>6</b>	<b>(*)</b>	<b>12</b>	<b>8</b>	<b>59</b>	<b>0</b>
South Africa .....	199	129	125	4	70	7	5	(*)	5	4	49	0
Other .....	133	102	96	6	31	9	1	(*)	7	4	10	0
<b>Middle East</b> .....	<b>276</b>	<b>99</b>	<b>95</b>	<b>4</b>	<b>177</b>	<b>32</b>	<b>11</b>	<b>(D)</b>	<b>48</b>	<b>21</b>	<b>54</b>	<b>(D)</b>
Israel .....	115	44	44	(*)	71	10	5	2	10	13	31	0
Saudi Arabia .....	99	46	46	(*)	52	17	4	(D)	11	3	10	(D)
Other .....	62	9	5	4	53	5	2	(*)	27	5	13	1
<b>Asia and Pacific</b> .....	<b>12,831</b>	<b>7,496</b>	<b>7,189</b>	<b>307</b>	<b>5,335</b>	<b>2,526</b>	<b>84</b>	<b>69</b>	<b>145</b>	<b>415</b>	<b>2,088</b>	<b>8</b>
Australia .....	721	548	523	25	173	25	15	6	10	24	92	(*)
China .....	571	401	400	1	170	43	4	3	(D)	9	102	(D)
Hong Kong .....	422	330	329	1	92	14	4	(*)	16	21	37	(*)
India .....	90	29	25	4	61	22	1	1	2	5	31	0
Indonesia .....	55	26	26	0	30	10	1	(*)	7	3	9	(*)
Japan .....	6,290	2,936	2,706	229	3,354	1,637	42	39	38	294	1,304	(*)
Korea, Republic of .....	1,052	(D)	212	(D)	(D)	506	7	5	21	(D)	238	0
Malaysia .....	183	127	127	0	56	10	2	0	12	3	29	(*)
New Zealand .....	83	37	37	(*)	46	4	1	4	(D)	4	8	0
Philippines .....	96	75	75	(*)	22	4	1	1	7	4	5	0
Singapore .....	2,533	2,445	2,444	2	87	(D)	2	5	(D)	(D)	43	(D)
Taiwan .....	615	(D)	204	(D)	(D)	190	6	5	12	(D)	178	0
Thailand .....	102	71	71	0	31	8	1	4	4	6	10	0
Other .....	17	9	9	0	8	1	0	0	4	1	2	0
<b>International organizations and unallocated</b> ..	<b>2,162</b>	<b>1,451</b>	<b>1,351</b>	<b>100</b>	<b>711</b>	<b>14</b>	<b>16</b>	<b>3</b>	<b>7</b>	<b>33</b>	<b>34</b>	<b>604</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	16,716	12,633	11,827	806	4,084	1,271	281	(D)	146	288	2,023	(D)
Eastern Europe <sup>2</sup> .....	321	224	214	10	97	11	9	3	6	7	61	0

See footnotes at the end of the table.

**Table 4.3. Royalties and License Fees, 2001—Continued**  
[Millions of dollars]

	Payments											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>16,713</b>	<b>13,310</b>	<b>2,541</b>	<b>10,769</b>	<b>3,403</b>	<b>1,796</b>	<b>305</b>	<b>131</b>	<b>(*)</b>	<b>311</b>	<b>454</b>	<b>405</b>
<b>Canada</b> .....	<b>1,158</b>	<b>(D)</b>	<b>(D)</b>	<b>485</b>	<b>(D)</b>	<b>131</b>	<b>31</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>18</b>	<b>(D)</b>
<b>Europe</b> .....	<b>8,786</b>	<b>6,556</b>	<b>928</b>	<b>5,729</b>	<b>2,130</b>	<b>1,174</b>	<b>246</b>	<b>128</b>	<b>(*)</b>	<b>96</b>	<b>(D)</b>	<b>(D)</b>
Belgium-Luxembourg .....	196	157	23	134	38	30	(D)	(D)	0	(*)	(*)	0
France .....	1,262	643	90	553	619	(D)	8	5	0	7	(D)	0
Germany .....	1,573	(D)	(D)	1,221	(D)	(D)	6	(*)	0	22	12	0
Italy .....	72	44	12	32	28	11	6	8	0	4	(*)	0
Netherlands .....	1,324	(D)	(D)	855	(D)	28	4	0	0	9	1	(D)
Norway .....	66	(D)	2	(D)	(D)	8	(*)	0	0	(*)	(D)	0
Spain .....	22	16	15	1	6	2	3	(*)	0	(*)	(*)	0
Sweden .....	263	132	61	121	131	71	(D)	0	0	10	2	(D)
Switzerland .....	1,733	1,539	63	1,476	194	153	3	(D)	0	8	1	(D)
United Kingdom .....	1,580	1,110	184	926	470	172	195	34	0	20	45	3
Other .....	694	(D)	51	(D)	(D)	195	14	(D)	(*)	16	5	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>991</b>	<b>(D)</b>	<b>(D)</b>	<b>89</b>	<b>(D)</b>	<b>7</b>	<b>10</b>	<b>(*)</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>(D)</b>
South and Central America .....	137	121	58	63	16	6	8	(*)	0	0	1	(D)
Argentina .....	9	8	5	2	1	(*)	1	0	0	(*)	(*)	0
Brazil .....	5	4	4	(*)	1	1	0	0	0	(*)	(*)	0
Chile .....	2	2	1	1	(*)	0	0	0	0	0	0	0
Mexico .....	97	86	29	57	11	4	5	(*)	0	(*)	(*)	1
Venezuela .....	20	19	16	3	1	(*)	1	0	0	(*)	(*)	0
Other .....	4	3	2	(*)	1	(*)	1	0	0	(*)	(*)	0
Other Western Hemisphere .....	855	(D)	(D)	26	(D)	1	2	0	0	2	0	(D)
Bermuda .....	802	(D)	(D)	2	(D)	1	0	0	0	1	0	(D)
Other .....	53	50	26	24	2	(*)	2	0	0	(*)	0	0
<b>Africa</b> .....	<b>8</b>	<b>(D)</b>	<b>(D)</b>	<b>1</b>	<b>(D)</b>	<b>(*)</b>	<b>(*)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>(D)</b>
South Africa .....	4	2	2	0	2	(*)	(*)	0	0	0	1	0
Other .....	4	(D)	(D)	1	(D)	0	0	0	0	0	0	(D)
<b>Middle East</b> .....	<b>96</b>	<b>(D)</b>	<b>(D)</b>	<b>1</b>	<b>(D)</b>	<b>9</b>	<b>(*)</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>(D)</b>
Israel .....	91	(D)	(D)	1	(D)	6	(*)	0	0	6	2	(D)
Saudi Arabia .....	(*)	(*)	(*)	0	(*)	(*)	0	0	0	0	0	0
Other .....	4	0	0	0	4	3	0	0	0	0	0	1
<b>Asia and Pacific</b> .....	<b>4,825</b>	<b>4,101</b>	<b>107</b>	<b>3,993</b>	<b>724</b>	<b>468</b>	<b>9</b>	<b>1</b>	<b>(*)</b>	<b>102</b>	<b>(D)</b>	<b>(D)</b>
Australia .....	87	23	17	7	64	34	(D)	(*)	0	1	5	(D)
China .....	12	8	8	0	4	2	2	0	0	2	(*)	(D)
Hong Kong .....	(D)	(D)	7	8	(D)	(*)	(*)	0	0	0	(*)	(D)
India .....	4	2	2	0	2	2	0	0	0	0	0	0
Indonesia .....	1	1	0	0	(*)	0	0	0	0	0	0	0
Japan .....	4,493	3,952	22	3,930	541	412	2	1	(*)	99	(D)	(D)
Korea, Republic of .....	43	26	11	15	17	(D)	(D)	0	0	(*)	(D)	0
Malaysia .....	(D)	(D)	2	(*)	(D)	(*)	0	0	0	0	0	(D)
New Zealand .....	1	(*)	(*)	(*)	1	(*)	0	0	0	0	0	0
Philippines .....	1	1	0	0	(*)	(*)	0	0	0	0	0	0
Singapore .....	63	(D)	17	(D)	(D)	1	0	0	0	0	0	(D)
Taiwan .....	21	(D)	17	(D)	(D)	1	(*)	0	0	0	0	0
Thailand .....	19	(D)	2	(D)	(D)	(D)	0	0	0	0	0	0
Other .....	(*)	(*)	(*)	0	(*)	(*)	0	0	0	(*)	0	0
<b>International organizations and unallocated</b> ..	<b>849</b>	<b>581</b>	<b>110</b>	<b>471</b>	<b>268</b>	<b>6</b>	<b>9</b>	<b>(*)</b>	<b>(*)</b>	<b>97</b>	<b>1</b>	<b>155</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	6,797	4,992	858	4,134	1,805	891	242	(D)	(*)	88	417	(D)
Eastern Europe <sup>2</sup> .....	76	67	4	62	10	8	(*)	0	0	(*)	(*)	0

\* Less than \$500,000

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

1. See table 2, footnote 2.

2. See table 2, footnote 3.

Table 4.4. Royalties and License Fees, 2002

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>44,142</b>	<b>32,218</b>	<b>29,066</b>	<b>3,152</b>	<b>11,924</b>	<b>3,900</b>	<b>523</b>	<b>277</b>	<b>555</b>	<b>1,184</b>	<b>4,824</b>	<b>661</b>
<b>Canada</b> .....	<b>3,091</b>	<b>2,388</b>	<b>2,332</b>	<b>56</b>	<b>703</b>	<b>154</b>	<b>48</b>	<b>20</b>	<b>74</b>	<b>122</b>	<b>286</b>	<b>0</b>
<b>Europe</b> .....	<b>21,217</b>	<b>16,954</b>	<b>14,573</b>	<b>2,380</b>	<b>4,263</b>	<b>1,325</b>	<b>307</b>	<b>103</b>	<b>189</b>	<b>370</b>	<b>1,954</b>	<b>15</b>
Belgium-Luxembourg .....	690	578	578	1	111	48	6	1	8	19	32	0
France .....	2,119	1,525	1,435	90	594	207	36	(D)	(D)	50	271	0
Germany .....	3,090	2,028	1,612	416	1,062	326	56	20	27	44	589	(*)
Italy .....	1,121	785	770	15	336	96	31	17	17	40	131	5
Netherlands .....	1,332	(D)	1,058	(D)	(D)	26	16	5	3	(D)	92	0
Norway .....	145	(D)	75	(D)	(D)	2	3	0	9	(D)	30	0
Spain .....	515	375	375	(*)	139	9	24	7	19	23	59	(*)
Sweden .....	437	(D)	238	(D)	(D)	37	6	8	5	(D)	58	0
Switzerland .....	2,031	(D)	1,459	(D)	(D)	113	9	1	1	(D)	56	(*)
United Kingdom .....	4,452	3,489	2,410	1,079	963	235	79	15	50	97	487	0
Other .....	5,286	4,753	4,565	188	532	227	42	(D)	(D)	54	148	9
<b>Latin America and Other Western Hemisphere</b> .....	<b>3,739</b>	<b>(D)</b>	<b>2,966</b>	<b>(D)</b>	<b>(D)</b>	<b>89</b>	<b>34</b>	<b>(D)</b>	<b>67</b>	<b>110</b>	<b>210</b>	<b>(*)</b>
South and Central America .....	2,368	(D)	1,837	(D)	(D)	68	32	(D)	47	103	203	0
Argentina .....	142	112	112	0	30	1	3	1	1	6	18	0
Brazil .....	585	448	447	(*)	138	11	(D)	(D)	1	12	92	0
Chile .....	65	40	40	(*)	24	3	1	4	3	7	7	0
Mexico .....	1,247	(D)	1,028	(D)	(D)	42	14	(D)	18	42	61	0
Venezuela .....	124	81	81	0	43	5	3	6	4	11	15	0
Other .....	205	129	129	(*)	75	6	(D)	(D)	20	25	11	0
Other Western Hemisphere .....	1,371	(D)	1,129	(D)	(D)	21	2	(D)	20	7	7	(*)
Bermuda .....	271	(D)	(D)	(D)	(D)	1	(*)	(D)	(*)	(*)	5	(*)
Other .....	1,100	(D)	(D)	1	(D)	20	2	(D)	20	7	2	0
<b>Africa</b> .....	<b>305</b>	<b>(D)</b>	<b>190</b>	<b>(D)</b>	<b>(D)</b>	<b>13</b>	<b>5</b>	<b>3</b>	<b>(D)</b>	<b>8</b>	<b>38</b>	<b>0</b>
South Africa .....	196	(D)	103	(D)	(D)	10	4	3	(D)	5	30	0
Other .....	110	87	87	0	23	3	1	(*)	7	3	8	0
<b>Middle East</b> .....	<b>289</b>	<b>(D)</b>	<b>104</b>	<b>(D)</b>	<b>(D)</b>	<b>29</b>	<b>11</b>	<b>5</b>	<b>(D)</b>	<b>16</b>	<b>46</b>	<b>29</b>
Israel .....	120	47	46	1	73	12	5	5	(D)	9	29	(D)
Saudi Arabia .....	98	52	52	(*)	45	6	4	0	9	3	5	18
Other .....	72	(D)	6	(D)	(D)	10	2	(*)	(D)	5	13	(D)
<b>Asia and Pacific</b> .....	<b>13,135</b>	<b>(D)</b>	<b>7,447</b>	<b>(D)</b>	<b>(D)</b>	<b>2,270</b>	<b>94</b>	<b>(D)</b>	<b>164</b>	<b>528</b>	<b>2,241</b>	<b>21</b>
Australia .....	834	(D)	586	(D)	(D)	24	18	6	15	38	(D)	(*)
China .....	723	497	497	(*)	226	48	5	1	3	20	144	6
Hong Kong .....	456	357	354	3	99	23	5	(*)	17	24	31	(*)
India .....	81	44	41	3	37	8	1	(*)	1	5	22	(*)
Indonesia .....	67	29	29	0	38	17	1	(*)	10	2	7	(*)
Japan .....	6,352	3,097	2,863	234	3,254	1,271	45	41	37	368	1,485	8
Korea, Republic of .....	1,157	(D)	257	(D)	(D)	590	9	(D)	28	34	(D)	5
Malaysia .....	184	131	131	0	52	10	2	(*)	13	3	24	0
New Zealand .....	72	46	46	(*)	26	4	1	7	4	4	7	0
Philippines .....	110	87	87	(*)	23	4	1	1	7	6	5	0
Singapore .....	2,327	2,256	2,255	1	71	31	1	(*)	8	4	25	2
Taiwan .....	648	216	211	5	432	234	5	3	12	13	166	0
Thailand .....	103	78	78	0	26	7	1	1	5	6	6	(*)
Other .....	20	11	11	0	9	(*)	(*)	1	4	2	1	0
<b>International organizations and unallocated</b> ..	<b>2,365</b>	<b>1,612</b>	<b>1,454</b>	<b>158</b>	<b>753</b>	<b>21</b>	<b>23</b>	<b>(D)</b>	<b>(D)</b>	<b>30</b>	<b>49</b>	<b>596</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	18,562	14,664	12,709	1,955	3,898	1,195	279	93	160	342	1,819	10
Eastern Europe <sup>2</sup> .....	390	310	288	22	80	8	11	3	6	9	42	0

See footnote at the end of the table.



Table 4.4. Royalties and License Fees, 2002—Continued

[Millions of dollars]

	Payments											
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Industrial processes	Books, records and tapes	Broadcasting and recording of live events	Franchise fees	Trademarks	General use computer software	Other intangibles
<b>All countries</b> .....	<b>19,258</b>	<b>15,132</b>	<b>2,958</b>	<b>12,174</b>	<b>4,126</b>	<b>1,935</b>	<b>346</b>	<b>946</b>	<b>2</b>	<b>230</b>	<b>481</b>	<b>187</b>
<b>Canada</b> .....	<b>1,048</b>	<b>849</b>	<b>554</b>	<b>295</b>	<b>199</b>	<b>124</b>	<b>38</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>22</b>	<b>2</b>
<b>Europe</b> .....	<b>9,779</b>	<b>7,385</b>	<b>1,303</b>	<b>6,083</b>	<b>2,394</b>	<b>1,312</b>	<b>276</b>	<b>(D)</b>	<b>(*)</b>	<b>61</b>	<b>(D)</b>	<b>(D)</b>
Belgium-Luxembourg .....	299	(D)	(D)	187	(D)	(D)	1	9	0	(*)	(D)	0
France .....	1,263	651	216	435	612	(D)	8	6	0	10	(D)	(*)
Germany .....	2,091	1,667	162	1,505	424	247	7	146	0	4	(D)	(D)
Italy .....	124	63	24	39	61	12	7	(D)	0	(D)	(*)	0
Netherlands .....	1,513	(D)	(D)	(D)	(D)	31	5	(*)	0	(D)	(*)	0
Norway .....	89	(D)	1	(D)	(D)	(D)	(*)	0	0	(D)	(*)	0
Spain .....	31	17	16	2	13	2	4	8	0	(D)	(*)	0
Sweden .....	239	(D)	11	(D)	(D)	109	4	0	0	2	(D)	(*)
Switzerland .....	1,892	(D)	67	(D)	(D)	166	4	(D)	0	8	(D)	(*)
United Kingdom .....	1,493	992	178	813	502	200	217	39	(*)	17	30	1
Other .....	745	377	57	320	368	307	19	(D)	0	14	(D)	1
<b>Latin America and Other Western Hemisphere</b> .....	<b>1,555</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>5</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>(*)</b>	<b>(D)</b>
South and Central America .....	145	121	51	70	24	(D)	8	1	0	(*)	(D)	(D)
Argentina .....	7	6	6	0	1	(*)	1	(*)	0	(*)	0	0
Brazil .....	7	6	4	1	1	(*)	1	(*)	0	(*)	0	0
Chile .....	3	3	3	(*)	(*)	0	0	0	0	(*)	0	0
Mexico .....	117	98	31	67	19	(D)	5	1	0	(*)	(D)	(D)
Venezuela .....	4	3	3	0	1	(*)	(*)	0	0	(*)	0	0
Other .....	6	5	4	1	1	(*)	1	(*)	0	(*)	0	0
Other Western Hemisphere .....	1,411	(D)	(D)	(D)	(D)	(D)	2	2	0	0	0	6
Bermuda .....	1,364	(D)	(D)	(D)	(D)	(D)	0	0	0	0	0	6
Other .....	47	(D)	(D)	(D)	(D)	(D)	2	0	0	0	0	0
<b>Africa</b> .....	<b>9</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>(*)</b>	<b>(*)</b>	<b>0</b>	<b>(*)</b>	<b>1</b>	<b>0</b>
South Africa .....	4	2	2	(*)	2	1	(*)	0	0	(*)	0	0
Other .....	5	5	4	1	(*)	0	0	(*)	0	(*)	0	0
<b>Middle East</b> .....	<b>31</b>	<b>(D)</b>	<b>(D)</b>	<b>1</b>	<b>(D)</b>	<b>5</b>	<b>(*)</b>	<b>(*)</b>	<b>0</b>	<b>(*)</b>	<b>(D)</b>	<b>0</b>
Israel .....	28	(D)	(D)	1	(D)	3	(*)	(*)	0	(*)	0	0
Saudi Arabia .....	(*)	(*)	(*)	(*)	(*)	(*)	0	0	0	0	0	0
Other .....	3	1	1	0	3	3	0	0	0	0	0	0
<b>Asia and Pacific</b> .....	<b>5,215</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>481</b>	<b>14</b>	<b>1</b>	<b>(*)</b>	<b>16</b>	<b>(D)</b>	<b>(D)</b>
Australia .....	76	(D)	23	(D)	(D)	16	7	(*)	0	(*)	(D)	(D)
China .....	20	15	15	0	5	2	(*)	(*)	0	(*)	3	0
Hong Kong .....	20	(D)	(D)	1	(D)	(*)	(*)	(*)	0	(*)	(D)	(D)
India .....	9	1	0	0	8	2	(*)	(*)	0	(*)	(D)	(D)
Indonesia .....	1	1	1	0	(*)	0	0	0	0	(*)	0	0
Japan .....	4,997	4,519	22	4,497	478	453	6	1	(*)	14	4	0
Korea, Republic of .....	37	(D)	9	(D)	(D)	4	0	(*)	0	1	0	0
Malaysia .....	5	5	5	(*)	(*)	0	0	0	0	0	0	0
New Zealand .....	2	(*)	(*)	(*)	1	1	(*)	(*)	0	0	0	0
Philippines .....	1	1	1	(*)	(*)	1	(*)	(*)	0	0	0	0
Singapore .....	24	22	22	1	1	1	0	0	0	0	0	0
Taiwan .....	18	16	16	(*)	2	1	(*)	(*)	0	0	0	0
Thailand .....	5	4	4	(*)	1	(*)	(*)	(*)	0	0	0	0
Other .....	(*)	(*)	(*)	0	(*)	(*)	0	0	0	0	0	0
<b>International organizations and unallocated</b> ..	<b>1,620</b>	<b>662</b>	<b>129</b>	<b>533</b>	<b>958</b>	<b>8</b>	<b>8</b>	<b>(D)</b>	<b>(*)</b>	<b>144</b>	<b>1</b>	<b>(D)</b>
<b>Addenda:</b>												
European Union <sup>1</sup> .....	7,616	5,541	1,231	4,310	2,076	1,038	272	(D)	(*)	53	(D)	(D)
Eastern Europe <sup>2</sup> .....	90	79	3	76	11	9	(*)	2	0	(*)	(*)	0

\* Less than \$500,000

D Suppressed to avoid disclosure of data of individual companies.

1. See table 2, footnote 2.

2. See table 2, footnote 3.

Table 5.1. Other Private Services, 1999

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							Addendum Film and television tape rentals <sup>1</sup>
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Education	Financial services	Insurance	Telecommuni- cations	Business, professional, and technical services	Other services	
<b>All countries</b> .....	<b>103,523</b>	<b>32,809</b>	<b>22,222</b>	<b>10,587</b>	<b>70,714</b>	<b>9,616</b>	<b>13,410</b>	<b>2,083</b>	<b>4,549</b>	<b>27,700</b>	<b>13,357</b>	<b>8,061</b>
<b>Canada</b> .....	<b>9,461</b>	<b>4,471</b>	<b>3,488</b>	<b>982</b>	<b>4,989</b>	<b>474</b>	<b>981</b>	<b>283</b>	<b>321</b>	<b>2,448</b>	<b>481</b>	<b>483</b>
<b>Europe</b> .....	<b>39,913</b>	<b>16,629</b>	<b>11,018</b>	<b>5,611</b>	<b>23,284</b>	<b>1,687</b>	<b>5,325</b>	<b>777</b>	<b>1,488</b>	<b>10,172</b>	<b>3,834</b>	<b>5,353</b>
Belgium-Luxembourg .....	1,252	(D)	375	(D)	20	196	29	125	376	(D)	77	693
France .....	3,768	1,615	992	623	2,153	127	497	90	77	934	427	1,085
Germany .....	6,017	3,039	1,624	1,415	2,978	195	435	93	79	1,219	958	450
Italy .....	1,725	512	408	104	1,213	63	284	31	46	422	369	450
Netherlands .....	2,804	1,767	1,298	469	1,036	38	304	11	67	517	100	(D)
Norway .....	580	293	163	130	287	47	51	13	24	123	29	24
Spain .....	1,718	683	490	194	1,035	83	174	13	27	292	446	527
Sweden .....	794	189	113	76	605	92	140	5	43	236	90	97
Switzerland .....	2,358	1,284	548	736	1,074	38	471	12	37	476	40	36
United Kingdom .....	13,374	5,086	3,895	1,191	8,288	162	2,352	423	746	3,787	817	1,128
Other .....	5,522	(D)	1,114	(D)	(D)	824	421	56	217	1,788	(D)	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>18,630</b>	<b>2,935</b>	<b>2,337</b>	<b>598</b>	<b>15,695</b>	<b>1,106</b>	<b>4,275</b>	<b>620</b>	<b>975</b>	<b>4,342</b>	<b>4,377</b>	<b>645</b>
South and Central America .....	13,062	1,518	1,295	223	11,544	868	1,379	213	846	3,933	4,305	634
Argentina .....	1,115	161	155	6	954	53	243	56	49	460	83	61
Brazil .....	1,692	272	242	30	1,420	161	283	8	146	597	225	223
Chile .....	576	(D)	46	(D)	(D)	27	90	19	34	291	(D)	27
Mexico .....	6,107	716	627	89	5,391	192	347	49	376	952	3,474	165
Venezuela .....	998	(D)	73	(D)	(D)	102	93	7	39	581	(D)	91
Other .....	2,577	221	154	67	2,356	333	323	74	203	1,051	373	68
Other Western Hemisphere .....	5,568	1,417	1,042	375	4,151	237	2,896	407	129	409	72	11
Bermuda .....	1,264	320	140	180	944	11	604	250	11	61	7	0
Other .....	4,303	1,097	902	195	3,206	227	2,292	157	118	348	65	11
<b>Africa</b> .....	<b>2,537</b>	<b>288</b>	<b>253</b>	<b>35</b>	<b>2,249</b>	<b>509</b>	<b>187</b>	<b>4</b>	<b>191</b>	<b>1,258</b>	<b>100</b>	<b>93</b>
South Africa .....	551	88	82	6	463	40	39	1	78	209	96	88
Other .....	1,986	200	171	29	1,786	470	148	2	113	1,049	4	5
<b>Middle East</b> .....	<b>3,903</b>	<b>396</b>	<b>268</b>	<b>128</b>	<b>3,507</b>	<b>413</b>	<b>415</b>	<b>20</b>	<b>505</b>	<b>2,052</b>	<b>101</b>	<b>79</b>
Israel .....	604	73	53	20	531	60	121	12	88	209	41	31
Saudi Arabia .....	1,590	(D)	18	(D)	(D)	96	71	1	30	1,246	(D)	28
Other .....	1,709	(D)	197	(D)	(D)	257	223	8	388	596	(D)	20
<b>Asia and Pacific</b> .....	<b>25,649</b>	<b>8,090</b>	<b>4,857</b>	<b>3,233</b>	<b>17,559</b>	<b>5,426</b>	<b>2,220</b>	<b>298</b>	<b>1,068</b>	<b>7,241</b>	<b>1,307</b>	<b>1,306</b>
Australia .....	1,839	601	533	68	1,239	54	212	55	116	544	257	310
China .....	2,044	249	183	67	1,795	815	72	5	69	744	90	20
Hong Kong .....	1,726	685	611	74	1,041	140	215	13	171	457	46	45
India .....	933	50	49	1	883	599	46	2	81	139	16	5
Indonesia .....	927	76	75	1	851	194	42	2	24	574	15	8
Japan .....	8,408	4,017	1,371	2,646	4,390	889	613	162	227	2,040	458	643
Korea, Republic of .....	1,591	155	148	7	1,436	626	190	12	115	428	64	47
Malaysia .....	618	(D)	176	(D)	(D)	185	47	3	12	148	(D)	13
New Zealand .....	297	21	20	(*)	276	19	23	4	15	154	61	57
Philippines .....	642	103	101	3	539	46	54	4	28	376	31	23
Singapore .....	2,435	1,365	1,255	110	1,070	64	210	11	57	698	29	43
Taiwan .....	1,757	424	207	217	1,333	496	143	19	93	533	50	63
Thailand .....	609	124	116	8	485	200	36	5	24	189	31	24
Other .....	1,824	(D)	12	(D)	(D)	1,099	317	1	36	216	(D)	7
<b>International organizations and unallocated</b> .....	<b>3,430</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,430</b>	<b>0</b>	<b>7</b>	<b>79</b>	<b>(*)</b>	<b>190</b>	<b>3,157</b>	<b>103</b>
<b>Addenda:</b>												
European Union <sup>2</sup> .....	34,255	14,868	10,129	4,740	19,389	803	4,622	733	1,284	8,468	3,480	5,094
Eastern Europe <sup>3</sup> .....	1,790	117	115	3	1,674	395	135	13	89	835	207	145

See footnotes at end of table.

Table 5.1. Other Private Services, 1999—Continued

[Millions of dollars]

	Payments											
	Total	Affiliated			Unaffiliated							Addendum
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Education	Financial services	Insurance	Telecommunications	Business, professional, and technical services	Other services	
<b>All countries</b> .....	<b>53,007</b>	<b>25,790</b>	<b>15,480</b>	<b>10,310</b>	<b>27,217</b>	<b>1,807</b>	<b>3,418</b>	<b>6,366</b>	<b>6,601</b>	<b>8,449</b>	<b>577</b>	<b>195</b>
<b>Canada</b> .....	<b>5,369</b>	<b>2,420</b>	<b>912</b>	<b>1,508</b>	<b>2,950</b>	<b>14</b>	<b>203</b>	<b>181</b>	<b>223</b>	<b>2,145</b>	<b>184</b>	<b>36</b>
<b>Europe</b> .....	<b>25,954</b>	<b>14,535</b>	<b>8,950</b>	<b>5,585</b>	<b>11,419</b>	<b>1,048</b>	<b>2,203</b>	<b>3,099</b>	<b>1,450</b>	<b>3,459</b>	<b>161</b>	<b>121</b>
Belgium-Luxembourg .....	827	(D)	(D)	63	(D)	15	59	41	33	91	(D)	10
France .....	2,403	1,553	720	833	850	130	124	200	91	287	18	9
Germany .....	3,141	1,743	840	903	1,398	56	162	637	116	413	17	(D)
Italy .....	763	247	131	116	516	140	68	36	118	146	8	5
Netherlands .....	1,448	1,051	328	722	397	18	71	124	40	130	11	7
Norway .....	236	85	11	75	151	3	19	9	76	43	1	0
Spain .....	613	240	218	22	373	160	46	3	62	96	6	(D)
Sweden .....	528	371	144	227	157	7	39	22	12	76	1	0
Switzerland .....	1,260	682	256	426	578	11	142	203	60	145	17	7
United Kingdom .....	12,331	7,070	5,350	1,720	5,262	364	1,310	1,693	338	1,504	51	42
Other .....	2,405	(D)	(D)	477	(D)	145	163	130	504	527	(D)	2
<b>Latin America and Other Western Hemisphere</b> .....	<b>9,040</b>	<b>2,414</b>	<b>1,208</b>	<b>1,205</b>	<b>6,629</b>	<b>467</b>	<b>351</b>	<b>2,951</b>	<b>2,195</b>	<b>632</b>	<b>33</b>	<b>9</b>
South and Central America .....	3,826	866	636	230	2,960	404	172	10	1,784	560	29	9
Argentina .....	289	89	88	(*)	200	17	23	4	76	74	6	4
Brazil .....	522	181	151	30	341	14	52	2	136	132	4	1
Chile .....	171	(D)	13	(D)	(D)	23	12	0	34	24	(D)	(*)
Mexico .....	1,557	400	272	128	1,157	172	54	2	794	129	7	2
Venezuela .....	231	(D)	76	(D)	(D)	6	7	0	71	61	(D)	2
Other .....	1,055	38	35	3	1,017	172	24	1	673	141	5	(*)
Other Western Hemisphere .....	5,215	1,548	572	975	3,667	64	179	2,941	411	72	4	(*)
Bermuda .....	3,227	922	238	684	2,305	1	74	2,181	10	37	1	0
Other .....	1,991	625	334	291	1,366	62	105	759	402	35	3	(*)
<b>Africa</b> .....	<b>773</b>	<b>202</b>	<b>162</b>	<b>39</b>	<b>571</b>	<b>50</b>	<b>24</b>	<b>1</b>	<b>320</b>	<b>165</b>	<b>10</b>	<b>0</b>
South Africa .....	239	138	131	6	102	8	12	0	52	29	1	0
Other .....	532	64	31	33	468	42	12	1	268	136	9	0
<b>Middle East</b> .....	<b>1,179</b>	<b>303</b>	<b>286</b>	<b>17</b>	<b>876</b>	<b>34</b>	<b>56</b>	<b>5</b>	<b>391</b>	<b>361</b>	<b>29</b>	<b>3</b>
Israel .....	461	242	232	10	219	33	11	0	90	81	5	0
Saudi Arabia .....	267	23	23	0	(D)	0	27	0	72	126	19	3
Other .....	451	38	32	7	(D)	1	18	5	229	155	5	0
<b>Asia and Pacific</b> .....	<b>10,473</b>	<b>5,918</b>	<b>3,961</b>	<b>1,957</b>	<b>4,555</b>	<b>193</b>	<b>581</b>	<b>129</b>	<b>1,863</b>	<b>1,679</b>	<b>110</b>	<b>25</b>
Australia .....	1,088	596	499	97	491	66	53	43	115	203	10	3
China .....	457	124	113	11	333	14	1	2	225	85	6	0
Hong Kong .....	1,420	1,096	957	139	324	2	81	2	104	100	35	1
India .....	598	(D)	39	(D)	(D)	4	15	1	317	176	(D)	(*)
Indonesia .....	117	18	17	1	99	1	10	1	54	29	4	0
Japan .....	4,147	2,947	1,567	1,380	1,201	32	216	74	181	674	23	19
Korea, Republic of .....	386	119	70	49	267	3	29	4	135	94	2	0
Malaysia .....	136	94	87	7	42	0	9	0	19	12	2	0
New Zealand .....	113	42	41	(*)	71	9	7	1	37	15	2	(*)
Philippines .....	273	59	59	(*)	214	1	7	0	138	65	4	0
Singapore .....	771	572	409	163	199	1	87	1	39	60	12	2
Taiwan .....	337	103	49	54	234	1	21	1	126	82	3	0
Thailand .....	174	60	49	11	114	2	9	0	57	42	4	0
Other .....	458	(D)	3	(D)	(D)	57	36	1	316	44	(D)	0
<b>International organizations and unallocated</b> .....	<b>217</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>217</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>159</b>	<b>7</b>	<b>50</b>	<b>1</b>
<b>Addenda:</b>												
European Union <sup>2</sup> .....	23,587	13,694	8,633	5,061	9,896	951	1,994	2,885	934	3,001	128	113
Eastern Europe <sup>3</sup> .....	599	21	20	1	578	47	22	0	300	197	13	1

\* Less than \$500,000

D Suppressed to avoid disclosure of data of individual companies.

1. In 1999, unaffiliated receipts (included in the "other services" column), U.S. parents' receipts, and U.S. affiliates'

receipts for film and television tape rentals were \$5,628 million, \$2,422 million, and \$11 million, respectively.

2. See table 2, footnote 2.

3. See table 2, footnote 3.

Table 5.2. Other Private Services, 2000

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							Addendum Film and television tape rentals <sup>1</sup>
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Education	Financial services	Insurance	Telecommuni- cations	Business, professional, and technical services	Other services	
<b>All countries</b> .....	107,361	35,857	23,107	12,750	71,504	10,348	15,522	2,486	3,883	25,318	13,948	8,578
<b>Canada</b> .....	10,130	4,464	3,364	1,100	5,666	511	1,009	284	442	2,820	600	541
<b>Europe</b> .....	43,068	18,859	11,697	7,162	24,209	1,806	6,472	807	816	10,136	4,156	5,510
Belgium-Luxembourg .....	1,322	513	414	99	809	20	288	27	26	318	129	131
France .....	4,006	1,804	987	817	2,202	140	545	104	43	986	384	607
Germany .....	6,023	3,007	1,411	1,596	3,016	199	629	93	74	1,071	952	1,048
Italy .....	1,992	583	456	127	1,409	67	402	24	44	471	401	448
Netherlands .....	3,142	1,977	1,479	498	1,165	36	376	6	94	551	101	866
Norway .....	620	321	208	113	299	48	85	13	8	98	47	42
Spain .....	1,713	452	411	42	1,261	85	277	12	20	371	495	534
Sweden .....	1,717	1,033	153	881	684	102	152	8	66	248	108	107
Switzerland .....	2,801	1,567	596	972	1,234	39	562	14	25	552	42	40
United Kingdom .....	13,495	5,243	3,997	1,246	8,250	171	2,591	415	292	3,868	914	1,213
Other .....	6,222	2,357	1,585	772	3,865	899	565	91	124	1,603	582	474
<b>Latin America and Other Western Hemisphere</b> .....	18,976	3,140	2,362	778	15,834	1,236	4,783	613	1,074	3,690	4,438	726
South and Central America .....	12,932	1,663	1,449	214	11,269	961	1,487	240	967	3,268	4,346	708
Argentina .....	1,073	162	153	10	911	59	261	76	69	330	116	91
Brazil .....	1,950	303	268	35	1,647	171	342	13	116	782	222	225
Chile .....	410	45	25	19	365	28	83	19	39	152	43	29
Mexico .....	6,346	841	743	98	5,505	211	383	59	537	723	3,592	191
Venezuela .....	747	87	84	3	660	102	105	9	35	309	101	97
Other .....	2,406	225	176	49	2,181	389	313	63	172	972	272	74
Other Western Hemisphere .....	6,043	1,477	913	564	4,566	275	3,296	373	107	423	92	18
Bermuda .....	1,553	537	186	351	1,016	11	691	196	9	101	8	1
Other .....	4,489	940	727	213	3,549	264	2,605	177	98	321	84	18
<b>Africa</b> .....	2,449	438	402	36	2,011	609	143	6	152	1,008	92	90
South Africa .....	613	83	81	2	530	44	48	2	73	276	88	82
Other .....	1,836	355	322	33	1,481	566	95	4	79	733	4	8
<b>Middle East</b> .....	2,882	411	245	167	2,471	457	467	20	160	1,236	131	108
Israel .....	668	(D)	64	(D)	(D)	65	111	16	69	216	(D)	59
Saudi Arabia .....	959	(D)	28	(D)	(D)	104	92	0	25	572	(D)	30
Other .....	1,255	160	152	8	1,095	288	264	3	66	448	26	19
<b>Asia and Pacific</b> .....	26,565	8,545	5,038	3,508	18,020	5,729	2,642	675	1,239	6,298	1,438	1,396
Australia .....	2,125	622	539	83	1,503	59	290	82	205	622	246	288
China .....	2,299	(D)	209	(D)	(D)	907	114	7	92	786	(D)	12
Hong Kong .....	1,839	839	753	85	1,000	126	300	42	106	384	42	42
India .....	1,138	55	55	(*)	1,083	705	61	1	71	219	26	12
Indonesia .....	499	78	76	2	421	188	35	3	27	145	22	14
Japan .....	9,188	4,054	1,370	2,684	5,134	906	855	485	235	2,110	543	738
Korea, Republic of .....	1,864	283	179	104	1,581	686	212	15	116	465	87	69
Malaysia .....	539	169	160	9	370	151	51	2	43	108	15	10
New Zealand .....	335	21	20	1	314	22	30	2	28	171	61	58
Philippines .....	429	78	76	2	351	52	46	3	35	183	32	23
Singapore .....	2,377	1,605	1,268	337	772	71	276	7	91	299	28	31
Taiwan .....	1,559	340	211	129	1,219	487	235	22	89	328	58	73
Thailand .....	558	118	114	4	440	183	30	3	19	175	30	22
Other .....	1,816	(D)	7	(D)	(D)	1,187	107	0	82	302	(D)	5
<b>International organizations and unallocated</b> .....	3,306	0	0	0	3,306	0	6	79	(*)	133	3,092	204
<b>Addenda:</b>												
European Union <sup>3</sup> .....	37,034	16,756	10,693	6,063	20,274	835	5,676	753	705	8,591	3,714	5,332
Eastern Europe <sup>4</sup> .....	1,702	169	155	14	1,531	447	104	21	38	661	260	191

See footnotes at end of table.

Table 5.2. Other Private Services, 2000—Continued

[Millions of dollars]

	Payments											Addendum Film and television tape rentals <sup>2</sup>
	Total	Affiliated			Unaffiliated						Other services	
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Education	Financial services	Insurance	Telecommunications	Business, professional, and technical services		
<b>All countries</b> .....	57,793	28,776	16,267	12,509	29,017	2,034	4,564	7,598	5,428	8,769	624	137
<b>Canada</b> .....	5,809	2,421	1,027	1,394	3,387	19	247	217	199	2,522	184	24
<b>Europe</b> .....	28,849	16,847	9,183	7,664	12,002	1,188	3,009	3,484	732	3,422	168	65
Belgium-Luxembourg .....	808	570	509	61	238	16	85	26	24	81	6	1
France .....	3,635	2,679	772	1,908	955	150	195	222	57	313	20	9
Germany .....	3,839	2,383	847	1,536	1,456	60	243	603	96	440	18	3
Italy .....	804	272	168	104	532	163	98	22	59	178	12	8
Netherlands .....	1,747	1,252	391	860	496	19	118	159	25	159	9	4
Norway .....	175	104	17	87	71	4	12	10	10	35	1	0
Spain .....	592	213	193	21	379	189	55	5	36	89	6	2
Sweden .....	556	361	165	196	195	7	72	33	15	58	10	9
Switzerland .....	1,766	1,074	279	794	692	11	263	280	17	109	12	1
United Kingdom .....	12,308	6,808	5,260	1,548	5,500	400	1,647	1,832	121	1,444	55	24
Other .....	2,622	1,131	583	548	1,491	169	221	291	273	517	19	3
<b>Latin America and Other Western Hemisphere</b> .....	10,766	3,271	1,685	1,586	7,496	509	419	3,730	2,254	548	36	9
South and Central America .....	3,998	893	684	209	3,105	440	160	25	1,959	492	31	8
Argentina .....	270	111	110	1	159	24	27	4	25	75	4	2
Brazil .....	444	148	139	9	296	18	42	6	118	113	0	0
Chile .....	150	65	11	54	85	23	5	1	38	16	2	0
Mexico .....	2,018	492	350	141	1,527	182	46	4	1,133	155	8	1
Venezuela .....	152	55	53	2	97	8	6	0	49	24	9	5
Other .....	964	22	21	1	942	184	34	11	595	109	9	0
Other Western Hemisphere .....	6,767	2,378	1,001	1,377	4,389	69	259	3,706	295	56	5	1
Bermuda .....	4,087	1,308	257	1,050	2,779	2	109	2,634	8	24	1	0
Other .....	2,679	1,070	743	327	1,609	67	150	1,069	287	32	4	1
<b>Africa</b> .....	702	177	171	6	525	55	29	1	214	215	11	0
South Africa .....	273	135	133	1	138	10	16	1	40	70	2	0
Other .....	429	42	38	4	387	45	13	1	174	145	9	0
<b>Middle East</b> .....	920	290	260	30	630	52	52	4	226	269	28	0
Israel .....	467	(D)	(D)	22	(D)	50	16	1	46	109	(D)	0
Saudi Arabia .....	161	2	2	0	159	0	19	0	36	86	18	0
Other .....	293	(D)	(D)	9	(D)	1	17	2	145	74	(D)	0
<b>Asia and Pacific</b> .....	10,498	5,771	3,942	1,829	4,727	212	807	142	1,633	1,788	145	40
Australia .....	1,044	550	481	69	494	82	60	16	163	163	9	1
China .....	399	169	164	5	230	15	4	0	94	110	7	0
Hong Kong .....	1,472	1,205	1,045	160	267	2	81	3	46	98	37	0
India .....	847	(D)	57	(D)	(D)	4	31	0	504	206	(D)	0
Indonesia .....	124	8	7	(*)	116	1	8	0	35	66	6	0
Japan .....	4,157	2,794	1,437	1,357	1,363	35	351	103	99	718	56	38
Korea, Republic of .....	407	131	96	35	276	2	46	5	76	143	4	0
Malaysia .....	113	74	71	3	39	0	11	0	14	11	3	0
New Zealand .....	74	(D)	19	(D)	(D)	11	3	1	23	9	(D)	0
Philippines .....	214	34	34	(*)	180	1	7	9	121	39	4	0
Singapore .....	680	499	448	51	181	0	86	1	31	52	11	0
Taiwan .....	287	129	44	85	158	1	30	2	49	72	4	0
Thailand .....	119	33	28	4	86	2	9	0	26	48	1	0
Other .....	549	10	10	1	539	55	80	0	351	52	1	0
<b>International organizations and unallocated</b> .....	247	0	0	0	248	0	1	20	170	4	53	1
<b>Addenda:</b>												
European Union <sup>3</sup> .....	26,165	15,568	8,813	6,755	10,597	1,078	2,661	3,194	499	3,023	140	42
Eastern Europe <sup>4</sup> .....	462	49	49	(*)	414	51	28	0	140	181	13	0

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

1. In 2000, unaffiliated receipts (included in the "other services" column), U.S. parents' receipts, and U.S. affiliates' receipts for film and television tape rentals were \$6,379 million, \$2,189 million, and \$8 million, respectively.

2. In 2000, unaffiliated payments (included in the "other services" column), U.S. parents' payments, and U.S. affiliates' payments for film and television and tape rentals were \$130 million, \$1 million, and \$8 million, respectively.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

Table 5.3. Other Private Services, 2001

[Millions of dollars]

	Receipts											Addendum Film and television tape rentals <sup>1</sup>
	Total	Affiliated			Unaffiliated						Other services	
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Education	Financial services	Insurance	Telecommunications	Business, professional, and technical services		
<b>All countries</b> .....	<b>116,139</b>	<b>39,760</b>	<b>24,759</b>	<b>15,001</b>	<b>76,379</b>	<b>11,478</b>	<b>15,228</b>	<b>2,399</b>	<b>4,504</b>	<b>28,611</b>	<b>14,160</b>	<b>8,873</b>
<b>Canada</b> .....	<b>10,832</b>	<b>4,657</b>	<b>3,450</b>	<b>1,207</b>	<b>6,175</b>	<b>569</b>	<b>1,081</b>	<b>367</b>	<b>519</b>	<b>2,977</b>	<b>663</b>	<b>648</b>
<b>Europe</b> .....	<b>47,031</b>	<b>20,563</b>	<b>12,399</b>	<b>8,163</b>	<b>26,468</b>	<b>1,952</b>	<b>6,342</b>	<b>973</b>	<b>1,356</b>	<b>11,381</b>	<b>4,464</b>	<b>5,658</b>
Belgium-Luxembourg .....	1,609	(D)	456	(D)	(D)	20	303	19	47	431	(D)	84
France .....	4,352	2,010	1,146	864	2,342	154	557	138	52	1,019	422	617
Germany .....	6,675	3,098	1,302	1,796	3,577	214	583	126	127	1,433	1,094	1,179
Italy .....	2,204	534	367	167	1,670	74	448	21	214	481	431	458
Netherlands .....	3,316	2,104	1,519	585	1,212	39	315	14	139	601	104	802
Norway .....	654	317	221	96	337	45	91	15	29	111	45	38
Spain .....	1,657	401	356	45	1,256	86	211	19	31	419	490	549
Sweden .....	1,880	1,166	145	1,021	714	99	127	8	119	257	104	106
Switzerland .....	3,196	1,901	670	1,232	1,295	40	461	17	30	706	42	37
United Kingdom .....	14,028	5,376	4,198	1,177	8,653	183	2,569	516	402	3,936	1,049	1,322
Other .....	7,456	(D)	2,019	(D)	(D)	999	677	81	164	1,986	(D)	465
<b>Latin America and Other Western Hemisphere</b> .....	<b>21,774</b>	<b>4,851</b>	<b>2,745</b>	<b>2,106</b>	<b>16,923</b>	<b>1,326</b>	<b>4,356</b>	<b>664</b>	<b>996</b>	<b>4,930</b>	<b>4,649</b>	<b>824</b>
South and Central America .....	14,909	(D)	1,718	(D)	(D)	1,034	1,372	292	891	4,400	(D)	799
Argentina .....	1,110	164	159	5	946	66	208	77	77	394	124	98
Brazil .....	2,628	(D)	235	(D)	(D)	185	325	28	124	1,035	(D)	226
Chile .....	482	98	62	36	384	32	70	19	41	176	46	31
Mexico .....	6,992	1,039	944	95	5,953	223	376	65	433	1,083	3,773	260
Venezuela .....	1,036	87	80	7	949	109	92	11	25	608	104	98
Other .....	2,663	285	238	47	2,378	420	301	93	191	1,105	268	85
Other Western Hemisphere .....	6,866	(D)	1,027	(D)	(D)	291	2,984	372	105	530	(D)	26
Bermuda .....	2,909	1,562	316	1,246	1,347	12	948	243	11	125	8	0
Other .....	3,956	(D)	712	(D)	(D)	279	2,036	129	94	405	(D)	25
<b>Africa</b> .....	<b>2,738</b>	<b>(D)</b>	<b>374</b>	<b>(D)</b>	<b>(D)</b>	<b>716</b>	<b>168</b>	<b>11</b>	<b>207</b>	<b>1,113</b>	<b>(D)</b>	<b>97</b>
South Africa .....	606	86	78	8	521	50	53	3	109	209	98	90
Other .....	2,131	(D)	296	(D)	(D)	667	115	8	97	905	(D)	7
<b>Middle East</b> .....	<b>3,285</b>	<b>(D)</b>	<b>224</b>	<b>(D)</b>	<b>(D)</b>	<b>495</b>	<b>552</b>	<b>32</b>	<b>149</b>	<b>1,475</b>	<b>(D)</b>	<b>105</b>
Israel .....	780	(D)	48	(D)	(D)	71	113	25	72	283	(D)	61
Saudi Arabia .....	1,094	(D)	33	(D)	(D)	110	90	2	27	679	(D)	25
Other .....	1,411	(D)	143	(D)	(D)	314	349	6	50	513	(D)	19
<b>Asia and Pacific</b> .....	<b>27,531</b>	<b>8,816</b>	<b>5,568</b>	<b>3,248</b>	<b>18,715</b>	<b>6,420</b>	<b>2,710</b>	<b>247</b>	<b>1,278</b>	<b>6,599</b>	<b>1,460</b>	<b>1,442</b>
Australia .....	2,114	664	621	43	1,450	62	296	53	172	616	251	283
China .....	2,491	(D)	277	(D)	(D)	1,066	113	9	101	737	(D)	12
Hong Kong .....	1,679	775	684	91	904	136	240	19	82	385	43	43
India .....	1,506	67	65	2	1,439	972	59	2	85	293	27	12
Indonesia .....	516	72	70	3	444	207	53	4	10	146	25	17
Japan .....	9,150	4,283	1,664	2,620	4,866	881	889	88	239	2,251	518	757
Korea, Republic of .....	2,090	287	191	96	1,803	813	139	20	162	573	97	77
Malaysia .....	605	178	170	8	427	139	49	3	58	158	20	15
New Zealand .....	330	27	23	4	303	23	32	3	32	158	56	52
Philippines .....	394	78	75	3	316	56	35	4	45	147	30	21
Singapore .....	2,395	1,589	1,383	206	806	74	290	16	109	283	34	41
Taiwan .....	1,591	335	226	109	1,256	508	170	20	97	397	64	87
Thailand .....	582	111	109	2	471	199	40	5	21	176	30	21
Other .....	2,090	(D)	9	(D)	(D)	1,286	305	2	65	280	(D)	3
<b>International organizations and unallocated</b> .....	<b>2,951</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,951</b>	<b>0</b>	<b>19</b>	<b>105</b>	<b>(*)</b>	<b>139</b>	<b>2,692</b>	<b>97</b>
<b>Addenda:</b>												
European Union <sup>3</sup> .....	39,975	18,091	11,292	6,800	21,885	888	5,583	907	1,199	9,295	4,013	5,332
Eastern Europe <sup>4</sup> .....	2,131	207	174	33	1,923	502	138	22	52	933	276	191

See footnotes at end of table.

**Table 5.3. Other Private Services, 2001—Continued**  
[Millions of dollars]

	Payments											
	Total	Affiliated			Unaffiliated							Addendum Film and television tape rentals <sup>2</sup>
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Education	Financial services	Insurance	Telecommunications	Business, professional, and technical services	Other services	
<b>All countries</b> .....	63,387	30,053	16,774	13,279	33,334	2,269	4,049	11,613	4,756	10,034	613	104
<b>Canada</b> .....	6,072	2,756	958	1,798	3,314	17	183	257	230	2,449	178	26
<b>Europe</b> .....	31,146	16,530	9,095	7,435	14,616	1,361	2,709	5,063	987	4,344	154	43
Belgium-Luxembourg .....	916	(D)	464	(D)	(D)	15	60	34	27	131	(D)	2
France .....	2,903	1,770	696	1,074	1,133	164	193	383	81	298	16	6
Germany .....	4,406	2,759	810	1,949	1,647	70	234	788	55	480	24	5
Italy .....	991	391	229	161	601	222	113	25	99	137	6	2
Netherlands .....	2,162	1,596	492	1,105	564	23	166	27	35	303	6	2
Norway .....	214	126	15	112	88	3	25	16	7	35	2	1
Spain .....	652	189	153	37	463	224	64	7	31	130	6	2
Sweden .....	628	372	245	127	256	7	61	42	19	125	2	1
Switzerland .....	2,252	1,014	288	726	1,238	11	221	834	17	144	11	0
United Kingdom .....	12,877	6,460	5,134	1,326	6,418	431	1,372	2,288	284	1,990	54	20
Other .....	3,149	(D)	570	(D)	(D)	193	200	623	332	572	(D)	2
<b>Latin America and Other Western Hemisphere</b> .....	13,911	4,389	2,165	2,224	9,522	562	315	6,188	1,703	724	33	3
South and Central America .....	3,866	1,037	819	218	2,829	488	164	24	1,477	649	26	2
Argentina .....	239	101	100	1	138	31	26	6	23	48	4	2
Brazil .....	510	199	184	16	311	19	36	0	104	149	4	0
Chile .....	154	68	12	56	86	30	5	0	36	13	2	0
Mexico .....	1,876	590	452	137	1,287	204	62	6	803	204	7	0
Venezuela .....	124	48	45	2	77	5	4	0	39	26	3	0
Other .....	961	32	26	6	929	199	31	12	471	209	7	0
Other Western Hemisphere .....	10,045	3,352	1,346	2,006	6,693	73	151	6,164	226	74	6	1
Bermuda .....	6,982	2,003	539	1,464	4,979	2	33	4,900	10	33	1	0
Other .....	3,068	1,349	807	542	1,719	71	118	1,267	216	42	5	1
<b>Africa</b> .....	801	(D)	129	(D)	(D)	54	35	2	159	384	(D)	0
South Africa .....	284	108	107	(*)	177	13	14	0	31	117	2	0
Other .....	516	(D)	22	(D)	(D)	41	21	2	128	267	(D)	0
<b>Middle East</b> .....	967	(D)	317	(D)	(D)	55	77	3	149	293	(D)	0
Israel .....	537	314	283	31	223	49	18	2	26	123	5	0
Saudi Arabia .....	141	6	2	4	135	0	21	0	26	70	18	0
Other .....	288	(D)	31	(D)	(D)	6	38	1	97	99	(D)	0
<b>Asia and Pacific</b> .....	10,243	5,859	4,109	1,750	4,384	220	730	86	1,365	1,837	146	29
Australia .....	1,035	540	484	55	496	103	103	9	69	200	13	(D)
China .....	347	181	170	12	166	11	5	1	62	80	7	0
Hong Kong .....	1,523	1,232	1,143	89	291	2	71	3	35	143	38	(D)
India .....	799	(D)	79	(D)	(D)	3	20	0	423	194	(D)	0
Indonesia .....	80	6	6	(*)	74	1	4	0	22	41	6	0
Japan .....	3,964	2,802	1,419	1,383	1,162	35	292	65	88	648	34	11
Korea, Republic of .....	473	157	118	39	316	2	71	4	75	160	4	0
Malaysia .....	134	97	94	3	37	0	6	0	14	14	3	0
New Zealand .....	81	35	33	2	46	14	2	0	19	8	2	0
Philippines .....	282	52	49	2	230	0	3	4	132	86	4	0
Singapore .....	581	407	364	43	174	0	65	1	25	72	11	0
Taiwan .....	318	140	99	40	178	1	37	1	48	84	8	0
Thailand .....	123	51	46	4	72	2	6	0	27	33	5	0
Other .....	505	(D)	2	(D)	(D)	46	45	0	326	75	(D)	0
<b>International organizations and unallocated</b> .....	244	0	0	0	244	0	0	14	163	3	64	2
<b>Addenda:</b>												
European Union <sup>3</sup> .....	27,881	15,261	8,721	6,540	12,620	1,241	2,411	4,211	773	3,857	126	42
Eastern Europe <sup>4</sup> .....	584	(D)	60	(D)	(D)	55	34	1	120	256	(D)	0

\* Less than \$500,000

D Suppressed to avoid disclosure of data of individual companies.

1. In 2001, unaffiliated receipts (included in the "other services" column), U.S. parents' receipts, and U.S. affiliates' receipts for film and television tape rentals were \$6,618 million, \$2,249 million, and \$5 million, respectively.

2. In 2001, unaffiliated receipts (included in the "other services" column), U.S. parents' receipts, and U.S. affiliates' receipts for film and television tape rentals were \$101 million, less than \$1 million, and \$3 million, respectively.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

Table 5.4. Other Private Services, 2002

[Millions of dollars]

	Receipts											
	Total	Affiliated			Unaffiliated							Addendum Film and television tape rentals <sup>1</sup>
		Total	By U.S. parents from their foreign affiliates	By U.S. affiliates from their foreign parents	Total	Education	Financial services	Insurance	Telecommuni- cations	Business, professional, and technical services	Other services	
<b>All countries</b> .....	<b>122,594</b>	<b>43,500</b>	<b>25,194</b>	<b>18,306</b>	<b>79,094</b>	<b>12,759</b>	<b>15,859</b>	<b>2,839</b>	<b>4,137</b>	<b>28,799</b>	<b>14,700</b>	<b>9,837</b>
<b>Canada</b> .....	<b>10,594</b>	<b>4,705</b>	<b>3,315</b>	<b>1,391</b>	<b>5,889</b>	<b>623</b>	<b>873</b>	<b>302</b>	<b>391</b>	<b>2,997</b>	<b>704</b>	<b>703</b>
<b>Europe</b> .....	<b>51,261</b>	<b>23,606</b>	<b>12,668</b>	<b>10,938</b>	<b>27,655</b>	<b>2,081</b>	<b>7,171</b>	<b>1,117</b>	<b>1,439</b>	<b>11,207</b>	<b>4,643</b>	<b>6,380</b>
Belgium-Luxembourg .....	2,368	(D)	471	(D)	21	983	19	51	390	(D)	170	661
France .....	4,993	2,575	1,166	1,409	2,418	165	475	161	88	1,116	413	1,012
Germany .....	7,013	3,818	1,524	2,294	3,195	214	495	131	134	1,437	784	554
Italy .....	2,361	657	471	186	1,704	74	433	24	167	520	487	854
Netherlands .....	3,614	2,365	1,515	850	1,249	40	367	17	74	596	154	50
Norway .....	650	248	138	110	402	52	148	22	14	109	57	626
Spain .....	1,789	512	393	119	1,277	88	237	18	38	380	516	132
Sweden .....	2,079	1,401	159	1,242	678	91	122	10	29	295	131	46
Switzerland .....	3,475	2,124	701	1,424	1,351	38	490	30	24	719	51	1,748
United Kingdom .....	14,442	5,584	4,211	1,374	8,858	197	2,715	590	495	3,634	1,228	529
Other .....	8,476	(D)	1,921	(D)	(D)	1,102	706	96	324	2,010	(D)	
<b>Latin America and Other Western Hemisphere</b> .....	<b>22,307</b>	<b>5,262</b>	<b>2,815</b>	<b>2,447</b>	<b>17,045</b>	<b>1,477</b>	<b>4,576</b>	<b>785</b>	<b>837</b>	<b>4,729</b>	<b>4,641</b>	<b>718</b>
South and Central America .....	14,188	2,019	1,782	237	12,169	1,182	1,208	292	737	4,198	4,554	696
Argentina .....	634	122	119	3	712	75	147	55	29	337	70	43
Brazil .....	2,107	326	313	13	1,781	194	283	36	89	981	198	184
Chile .....	400	60	36	24	340	36	69	21	32	139	43	28
Mexico .....	7,027	1,159	1,007	153	5,868	271	290	81	359	1,028	3,839	279
Venezuela .....	993	109	96	12	884	122	78	9	28	564	83	78
Other .....	2,827	242	210	32	2,585	484	341	91	200	1,149	321	84
Other Western Hemisphere .....	8,119	3,243	1,033	2,210	4,876	295	3,368	493	100	531	88	22
Bermuda .....	4,081	(D)	323	(D)	(D)	11	1,247	269	9	142	(D)	1
Other .....	4,037	(D)	710	(D)	(D)	284	2,121	225	91	389	(D)	21
<b>Africa</b> .....	<b>2,771</b>	<b>(D)</b>	<b>466</b>	<b>(D)</b>	<b>(D)</b>	<b>826</b>	<b>143</b>	<b>14</b>	<b>158</b>	<b>991</b>	<b>(D)</b>	<b>135</b>
South Africa .....	556	68	67	2	488	55	58	3	57	178	136	128
Other .....	2,216	(D)	399	(D)	(D)	771	85	12	101	813	(D)	7
<b>Middle East</b> .....	<b>3,184</b>	<b>(D)</b>	<b>192</b>	<b>(D)</b>	<b>(D)</b>	<b>535</b>	<b>470</b>	<b>31</b>	<b>136</b>	<b>1,478</b>	<b>(D)</b>	<b>122</b>
Israel .....	732	118	31	88	614	76	114	23	54	262	85	76
Saudi Arabia .....	1,112	(D)	53	(D)	(D)	122	92	1	25	683	(D)	26
Other .....	1,338	117	108	9	1,221	337	264	7	57	532	24	21
<b>Asia and Pacific</b> .....	<b>29,025</b>	<b>9,032</b>	<b>5,739</b>	<b>3,293</b>	<b>19,993</b>	<b>7,217</b>	<b>2,622</b>	<b>504</b>	<b>1,175</b>	<b>6,855</b>	<b>1,620</b>	<b>1,607</b>
Australia .....	2,264	762	689	73	1,502	67	363	66	139	598	269	325
China .....	2,729	(D)	304	(D)	(D)	1,177	138	25	91	797	(D)	15
Hong Kong .....	1,783	847	790	57	936	144	314	37	67	327	47	47
India .....	1,809	68	64	5	1,741	1,245	61	11	126	268	30	14
Indonesia .....	584	109	106	2	475	216	52	6	11	160	30	21
Japan .....	9,210	4,110	1,580	2,530	5,100	985	721	265	190	2,338	601	843
Korea, Republic of .....	2,352	278	216	63	2,074	913	219	30	119	691	101	87
Malaysia .....	600	179	170	9	421	138	53	3	46	159	23	17
New Zealand .....	339	28	27	1	311	26	32	3	36	157	57	53
Philippines .....	435	(D)	128	(D)	(D)	61	46	3	61	94	(D)	23
Singapore .....	2,522	1,680	1,266	415	842	77	281	25	77	343	39	45
Taiwan .....	1,639	298	236	62	1,341	539	239	22	67	408	66	90
Thailand .....	663	156	155	1	507	216	32	5	17	205	32	23
Other .....	2,092	(D)	8	(D)	(D)	1,412	71	2	128	310	(D)	4
<b>International organizations and unallocated</b> .....	<b>3,449</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,449</b>	<b>0</b>	<b>4</b>	<b>88</b>	<b>(*)</b>	<b>546</b>	<b>2,815</b>	<b>172</b>
<b>Addenda:</b>												
European Union <sup>3</sup> .....	43,730	20,869	11,580	9,289	22,861	918	6,268	1,031	1,304	9,185	4,155	6,005
Eastern Europe <sup>4</sup> .....	2,237	(D)	204	(D)	(D)	557	183	23	69	794	(D)	221

See footnotes at end of table.



**Table 5.4. Other Private Services, 2002—Continued**  
 (Millions of dollars)

	Payments											Addendum Film and television tape rentals <sup>2</sup>
	Total	Affiliated			Unaffiliated							
		Total	By U.S. parents to their foreign affiliates	By U.S. affiliates to their foreign parents	Total	Education	Financial services	Insurance	Telecommunications	Business, professional, and technical services	Other services	
<b>All countries</b> .....	69,436	32,367	17,529	14,838	37,069	2,466	3,665	15,348	4,180	10,732	679	153
<b>Canada</b> .....	6,694	2,952	1,043	1,908	3,742	16	164	437	342	2,604	180	23
<b>Europe</b> .....	35,613	17,888	9,448	8,440	17,725	1,516	2,266	8,346	901	4,519	175	59
Belgium-Luxembourg .....	929	(D)	502	(D)	(D)	17	47	48	26	111	(D)	3
France .....	3,379	1,963	721	1,241	1,416	187	164	609	96	342	18	7
Germany .....	6,246	3,046	949	2,097	3,200	80	171	2,364	63	492	26	6
Italy .....	1,005	475	322	153	530	253	66	21	46	139	6	2
Netherlands .....	1,915	1,410	475	935	505	26	105	47	58	265	6	1
Norway .....	143	70	18	52	73	3	4	10	18	36	1	0
Spain .....	629	167	136	31	462	259	31	15	28	123	7	3
Sweden .....	845	617	394	223	228	8	21	50	11	137	1	0
Switzerland .....	3,150	1,186	331	855	1,964	11	211	1,594	20	116	11	0
United Kingdom .....	13,586	6,662	4,941	1,720	6,924	457	1,001	3,010	312	2,068	75	37
Other .....	3,783	(D)	658	(D)	(D)	215	445	572	224	692	(D)	2
<b>Latin America and Other Western Hemisphere</b> .....	14,652	4,815	2,146	2,668	9,837	602	419	6,413	1,506	841	56	26
South and Central America .....	4,076	1,190	910	281	2,886	525	211	34	1,294	773	50	(D)
Argentina .....	206	42	40	2	164	33	4	12	20	91	4	2
Brazil .....	553	273	265	8	280	20	20	1	81	148	11	7
Chile .....	165	85	11	74	80	32	5	0	28	13	2	0
Mexico .....	2,101	717	523	194	1,364	220	89	8	741	309	17	(D)
Venezuela .....	105	32	31	1	73	5	8	1	27	28	3	0
Other .....	944	41	40	1	903	215	85	12	396	183	13	(D)
Other Western Hemisphere .....	10,574	3,625	1,237	2,388	6,949	76	208	6,380	212	67	6	1
Bermuda .....	7,879	(D)	587	(D)	(D)	2	90	5,074	7	31	(D)	0
Other .....	2,689	(D)	649	(D)	(D)	74	118	1,299	205	37	(D)	1
<b>Africa</b> .....	817	(D)	116	(D)	(D)	62	29	0	161	368	(D)	0
South Africa .....	250	(D)	(D)	3	(D)	15	19	0	16	111	(D)	0
Other .....	567	98	(D)	(D)	469	47	10	0	146	257	10	0
<b>Middle East</b> .....	936	(D)	345	(D)	(D)	19	52	1	118	289	(D)	0
Israel .....	516	342	324	18	174	17	16	1	24	111	5	0
Saudi Arabia .....	130	3	2	1	127	0	19	0	25	65	18	0
Other .....	292	(D)	19	(D)	(D)	2	17	0	69	114	(D)	0
<b>Asia and Pacific</b> .....	10,600	6,099	4,432	1,667	4,501	252	735	130	1,113	2,110	161	43
Australia .....	1,030	545	498	47	485	121	95	8	49	200	13	(D)
China .....	444	224	206	18	220	13	3	1	55	141	7	0
Hong Kong .....	1,654	1,302	1,219	83	352	2	86	2	41	177	44	(D)
India .....	661	(D)	73	(D)	(D)	3	31	0	295	209	(D)	0
Indonesia .....	102	3	3	(*)	99	1	7	6	20	59	6	0
Japan .....	4,221	2,977	1,681	1,296	1,244	34	259	102	80	726	44	20
Korea, Republic of .....	424	140	97	43	284	2	47	6	65	160	5	1
Malaysia .....	144	94	89	5	50	0	11	0	8	28	3	0
New Zealand .....	82	32	32	(*)	50	17	5	0	11	16	2	0
Philippines .....	282	(D)	53	(D)	(D)	0	7	4	151	51	(D)	0
Singapore .....	667	(D)	339	(D)	(D)	1	87	1	25	122	(D)	0
Taiwan .....	292	124	94	29	168	1	32	1	38	88	8	0
Thailand .....	132	49	44	5	83	2	9	0	27	40	5	0
Other .....	463	(D)	3	(D)	(D)	55	56	1	247	93	(D)	0
<b>International organizations and unallocated</b> .....	125	0	0	0	125	0	0	19	38	2	67	0
<b>Addenda:</b>												
European Union <sup>3</sup> .....	31,237	16,499	9,002	7,497	14,738	1,386	1,811	6,724	709	3,962	147	59
Eastern Europe <sup>4</sup> .....	728	(D)	68	(D)	(D)	59	115	15	99	334	(D)	0

\* Less than \$500,000

D Suppressed to avoid disclosure of data of individual companies.

1. In 2002, unaffiliated receipts (included in the "other services" column), U.S. parents' receipts, and U.S. affiliates' receipts for film and television tape rentals were \$6,919 million, \$2,916 million, and \$2 million, respectively.

2. In 2002, unaffiliated receipts (included in the "other services" column), U.S. parents' receipts, and U.S. affiliates' receipts for film and television tape rentals were \$149 million, less than \$1 million, and \$4 million, respectively.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

Table 6.1. Insurance, 1999

[Millions of dollars]

	Insurance sold to foreigners							Insurance purchased from foreigners							Unilateral current transfers, net <sup>6</sup>
	Exports of services			Supplemental detail				Imports of services			Supplemental detail				
	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>2</sup>	Premiums and other receipts <sup>3</sup>			Actual losses paid	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>5</sup>	Premiums and other payments <sup>3</sup>			Actual losses recovered	
				Total	For services (col. 1)	For loss settlement <sup>4</sup>					Total	For services (col. 8)	For loss settlement <sup>4</sup>		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
<b>All countries</b> .....	<b>2,083</b>	<b>1,732</b>	<b>351</b>	<b>6,760</b>	<b>2,083</b>	<b>4,678</b>	<b>5,750</b>	<b>6,366</b>	<b>5,079</b>	<b>1,287</b>	<b>20,857</b>	<b>6,366</b>	<b>14,491</b>	<b>18,172</b>	<b>2,609</b>
<b>Canada</b> .....	<b>283</b>	<b>237</b>	<b>46</b>	<b>921</b>	<b>283</b>	<b>638</b>	<b>716</b>	<b>181</b>	<b>170</b>	<b>11</b>	<b>660</b>	<b>181</b>	<b>479</b>	<b>406</b>	<b>-150</b>
<b>Europe</b> .....	<b>777</b>	<b>699</b>	<b>78</b>	<b>2,596</b>	<b>777</b>	<b>1,819</b>	<b>2,438</b>	<b>3,099</b>	<b>2,090</b>	<b>1,006</b>	<b>9,147</b>	<b>3,099</b>	<b>6,048</b>	<b>9,638</b>	<b>2,971</b>
Belgium-Luxembourg .....	29	28	1	101	29	72	83	41	39	3	151	41	110	90	-31
France .....	90	88	2	310	90	220	246	200	163	37	663	200	463	425	-64
Germany .....	93	89	3	317	93	224	365	637	609	29	2,348	637	1,711	1,802	-49
Italy .....	31	30	1	106	31	75	85	36	31	6	123	36	87	105	9
Netherlands .....	11	9	2	36	11	25	29	124	124	0	(D)	124	347	(D)	620
Norway .....	13	11	2	43	13	30	75	9	1	8	14	9	5	8	-42
Spain .....	13	12	1	44	13	31	50	3	3	0	14	3	11	4	-26
Sweden .....	5	5	1	17	5	12	30	22	22	0	83	22	61	119	40
Switzerland .....	12	12	1	42	12	30	65	203	193	10	745	203	542	1,079	502
United Kingdom .....	423	365	58	1,393	423	970	1,209	1,693	782	911	4,049	1,693	2,356	3,657	1,062
Other .....	56	50	6	188	56	132	200	130	127	3	(D)	130	356	(D)	953
<b>Latin America and Other Western Hemisphere</b> .....	<b>620</b>	<b>515</b>	<b>105</b>	<b>2,015</b>	<b>620</b>	<b>1,395</b>	<b>1,623</b>	<b>2,951</b>	<b>2,702</b>	<b>246</b>	<b>10,576</b>	<b>2,951</b>	<b>7,626</b>	<b>7,740</b>	<b>-114</b>
South and Central America .....	213	144	69	646	213	433	525	10	9	1	37	10	27	49	-70
Argentina .....	56	42	15	176	56	120	130	4	4	0	16	4	12	24	1
Brazil .....	8	3	4	21	8	13	15	2	2	0	9	2	7	1	-7
Chile .....	19	13	6	57	19	38	51	0	0	0	(*)	0	(*)	(*)	(*)
Mexico .....	49	33	16	149	49	100	77	2	2	0	7	2	5	4	22
Venezuela .....	7	6	1	23	7	16	34	0	0	0	(*)	0	(*)	0	(*)
Other .....	74	48	26	220	74	146	219	1	1	0	5	1	4	19	-58
Other Western Hemisphere .....	407	371	36	1,369	407	962	1,098	2,941	2,692	245	10,539	2,941	7,599	7,691	-44
Bermuda .....	250	249	2	870	250	620	786	2,181	1,947	235	7,679	2,181	5,498	5,356	-308
Other .....	157	123	34	499	157	342	312	759	749	10	2,859	759	2,100	2,335	265
<b>Africa</b> .....	<b>4</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>8</b>	<b>29</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>-21</b>
South Africa .....	1	1	0	5	1	4	3	0	0	0	1	1	1	1	1
Other .....	2	1	1	6	2	4	26	1	0	1	2	1	1	1	-22
<b>Middle East</b> .....	<b>20</b>	<b>20</b>	<b>1</b>	<b>71</b>	<b>20</b>	<b>51</b>	<b>81</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>-26</b>
Israel .....	12	12	1	42	12	30	31	0	0	0	1	0	1	3	1
Saudi Arabia .....	1	1	0	3	1	2	3	0	0	0	(*)	0	(*)	0	(*)
Other .....	8	8	0	26	8	19	47	5	1	4	7	5	2	4	-27
<b>Asia and Pacific</b> .....	<b>298</b>	<b>234</b>	<b>64</b>	<b>948</b>	<b>298</b>	<b>650</b>	<b>707</b>	<b>129</b>	<b>112</b>	<b>17</b>	<b>446</b>	<b>129</b>	<b>317</b>	<b>345</b>	<b>-29</b>
Australia .....	55	32	24	159	55	104	155	43	39	4	153	43	110	183	22
China .....	5	4	1	17	5	12	17	2	0	2	3	2	1	2	-4
Hong Kong .....	13	6	7	34	13	21	14	2	1	2	4	2	2	-15	-10
India .....	2	2	0	6	2	4	6	1	1	0	2	1	2	4	1
Indonesia .....	2	1	1	5	2	3	11	1	0	1	1	1	0	0	-8
Japan .....	162	150	13	548	162	386	322	74	66	9	260	74	186	148	26
Korea, Republic of .....	12	7	6	35	12	23	36	4	4	0	14	4	10	12	-12
Malaysia .....	3	2	1	8	3	6	5	0	0	0	(*)	0	(*)	(*)	(*)
New Zealand .....	4	3	1	12	4	8	4	1	1	0	2	1	2	2	5
Philippines .....	4	4	1	14	4	10	21	0	0	0	(*)	0	(*)	-1	(*)
Singapore .....	11	6	6	32	11	21	34	1	1	0	2	1	2	1	-14
Taiwan .....	19	13	6	57	19	38	56	1	1	0	3	1	3	3	-17
Thailand .....	5	4	1	17	5	12	17	0	0	0	(*)	0	(*)	(*)	(*)
Other .....	1	1	0	3	1	2	9	1	1	0	2	1	2	5	-3
<b>International organizations and unallocated</b> .....	<b>79</b>	<b>23</b>	<b>56</b>	<b>197</b>	<b>79</b>	<b>118</b>	<b>155</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>18</b>	<b>5</b>	<b>13</b>	<b>36</b>	<b>-14</b>
<b>Addenda:</b>															
European Union <sup>7</sup> .....	733	659	73	2,449	733	1,717	2,231	2,885	1,896	988	8,386	2,885	5,501	8,546	2,530
Eastern Europe <sup>8</sup> .....	13	12	1	44	13	31	48	0	0	0	(*)	0	(*)	3	(*)

\* Less than \$500,000

D Suppressed to avoid disclosure of data of individual companies.

1. Consists of the portion of premiums on reinsurance assumed (for U.S. exports) or ceded (for U.S. imports) that represents charges for services.

2. Consists of the portion of premiums received on primary insurance that represents charges for services, and receipts for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated.

3. Premiums and other receipts (column 4) or payments (column 11) consist of premiums and charges for auxiliary insurance services. Premiums consist of implicit charges for the services provided (columns 5 and 12) and amounts needed to cover "normal" losses, where normal losses are inferred from the relationship between actual losses and premiums averaged over several years (columns 6 and 13). Charges for auxiliary insurance services are explicit charges and represent in their entirety charges for services (columns 5 and 12). For a description of the methodology used to disaggregate premiums, see

Christopher L. Bach, "Annual Revision of the U.S. International Accounts, 1992-2002," SURVEY OF CURRENT BUSINESS, 83 (July 2003): 35-37.

4. Losses for settlement are also referred to as "normal" losses, including in the text of the article. See page 76 of the appendix to this article for information on how these losses are calculated.

5. Consists of the portion of premiums paid on primary insurance that represents charges for services, and payments for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated.

6. Differences between the portion of premiums allocated to loss settlement and the amount of losses actually incurred or recovered—sometimes termed "net insurance settlements"—are treated as unilateral current transfers in the U.S. international transactions accounts. Net insurance settlements equals the net result of (column 6 - column 7) - (column 13 - column 14).

7. See table 2, footnote 2.

8. See table 2, footnote 3.

**Table 6.2. Insurance, 2000**  
(Millions of dollars)

	Insurance sold to foreigners							Insurance purchased from foreigners							Unilateral current transfers, net <sup>6</sup>
	Exports of services			Supplemental detail				Imports of services			Supplemental detail				
	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>2</sup>	Premiums and other receipts <sup>3</sup>			Actual losses paid	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>5</sup>	Premiums and other payments <sup>3</sup>			Actual losses recovered	
				Total	For services (col. 1)	For loss settlement <sup>4</sup>					Total	For services (col. 8)	For loss settlement <sup>4</sup>		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
<b>All countries</b> .....	<b>2,486</b>	<b>1,998</b>	<b>488</b>	<b>8,455</b>	<b>2,486</b>	<b>5,969</b>	<b>6,405</b>	<b>7,598</b>	<b>6,096</b>	<b>1,502</b>	<b>26,888</b>	<b>7,598</b>	<b>19,290</b>	<b>18,764</b>	<b>-962</b>
<b>Canada</b> .....	<b>284</b>	<b>220</b>	<b>64</b>	<b>953</b>	<b>284</b>	<b>669</b>	<b>693</b>	<b>217</b>	<b>144</b>	<b>73</b>	<b>677</b>	<b>217</b>	<b>461</b>	<b>375</b>	<b>-110</b>
<b>Europe</b> .....	<b>807</b>	<b>705</b>	<b>102</b>	<b>2,843</b>	<b>807</b>	<b>2,036</b>	<b>2,725</b>	<b>3,484</b>	<b>2,393</b>	<b>1,090</b>	<b>11,127</b>	<b>3,484</b>	<b>7,643</b>	<b>8,506</b>	<b>175</b>
Belgium-Luxembourg .....	27	26	1	99	27	72	69	26	21	4	93	26	67	77	13
France .....	104	101	3	384	104	280	508	222	212	11	887	222	665	324	-569
Germany .....	93	88	5	339	93	246	483	603	578	25	2,416	603	1,813	2,445	395
Italy .....	24	23	1	89	24	65	69	22	21	1	89	22	67	11	-60
Netherlands .....	6	4	3	19	6	13	20	159	158	1	(D)	159	496	(D)	124
Norway .....	13	10	3	45	13	32	69	10	2	8	16	10	6	9	-35
Spain .....	12	11	1	43	12	31	72	5	5	0	19	5	14	6	-49
Sweden .....	8	7	1	28	8	20	48	33	29	4	124	33	91	125	6
Switzerland .....	14	13	1	50	14	36	61	280	261	19	1099	280	819	1,025	181
United Kingdom .....	415	350	65	1,440	415	1,025	1,104	1,832	815	1,016	4,529	1,832	2,698	2,543	-233
Other .....	91	71	20	307	91	216	222	291	290	1	(D)	291	909	(D)	397
<b>Latin America and Other Western Hemisphere</b> .....	<b>613</b>	<b>494</b>	<b>119</b>	<b>2,091</b>	<b>613</b>	<b>1,478</b>	<b>1,622</b>	<b>3,730</b>	<b>3,406</b>	<b>324</b>	<b>14,434</b>	<b>3,730</b>	<b>10,704</b>	<b>9,445</b>	<b>-1,403</b>
South and Central America .....	240	163	77	765	240	526	580	25	15	10	70	25	46	69	-31
Argentina .....	76	64	12	265	76	189	202	4	4	0	17	4	13	25	-1
Brazil .....	13	9	4	44	13	31	34	6	6	0	(D)	6	17	(D)	0
Chile .....	19	14	5	63	19	44	46	1	1	0	3	1	2	2	-3
Mexico .....	59	33	26	176	59	117	124	4	2	2	9	4	6	6	-6
Venezuela .....	9	5	4	27	9	18	34	0	0	0	0	0	0	1	-15
Other .....	63	36	27	190	63	127	140	11	3	8	(D)	11	9	(D)	-8
Other Western Hemisphere .....	373	332	42	1,326	373	953	1,042	3,706	3,392	315	14,364	3,706	10,658	9,376	-1,372
Bermuda .....	196	193	3	730	196	534	596	2,634	2,331	303	9,979	2,634	7,345	6,020	-1,387
Other .....	177	139	39	596	177	419	446	1,069	1,058	11	4,385	1,069	3,316	3,356	13
<b>Africa</b> .....	<b>6</b>	<b>5</b>	<b>2</b>	<b>22</b>	<b>6</b>	<b>16</b>	<b>23</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>-6</b>
South Africa .....	2	2	0	8	2	6	18	1	1	0	2	1	2	3	-11
Other .....	4	3	2	13	4	9	4	1	0	1	2	1	1	1	5
<b>Middle East</b> .....	<b>20</b>	<b>18</b>	<b>2</b>	<b>71</b>	<b>20</b>	<b>51</b>	<b>71</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>-18</b>
Israel .....	16	15	1	59	16	43	48	1	1	0	5	1	4	8	-1
Saudi Arabia .....	0	0	0	1	0	1	1	0	0	0	(*)	0	(*)	(*)	(*)
Other .....	3	3	1	11	3	8	22	2	1	2	3	2	1	-1	-16
<b>Asia and Pacific</b> .....	<b>675</b>	<b>536</b>	<b>139</b>	<b>2,286</b>	<b>675</b>	<b>1,611</b>	<b>1,121</b>	<b>142</b>	<b>131</b>	<b>11</b>	<b>555</b>	<b>142</b>	<b>413</b>	<b>411</b>	<b>488</b>
Australia .....	82	28	54	213	82	131	173	16	14	3	59	16	43	42	-43
China .....	7	4	3	20	7	13	23	0	0	0	2	0	2	1	-11
Hong Kong .....	42	6	36	95	42	53	28	3	1	3	5	3	2	-4	19
India .....	1	1	1	3	1	2	3	0	0	0	1	0	1	1	-1
Indonesia .....	3	2	10	3	7	7	-1	0	0	0	1	0	1	0	7
Japan .....	485	466	19	1,782	485	1,297	763	103	100	4	415	103	312	329	551
Korea, Republic of .....	15	8	8	44	15	29	19	5	4	2	16	5	11	10	9
Malaysia .....	2	1	1	5	2	3	4	0	0	0	(*)	0	(*)	(*)	(*)
New Zealand .....	2	2	1	7	2	5	1	1	1	0	5	1	4	1	1
Philippines .....	3	3	1	11	3	8	2	9	9	0	(D)	9	27	(D)	-3
Singapore .....	7	0	7	15	7	8	44	1	1	0	3	1	2	2	-37
Taiwan .....	22	13	10	66	22	44	51	2	2	0	10	2	8	4	-11
Thailand .....	3	3	0	13	3	10	7	0	0	0	1	0	1	1	3
Other .....	0	0	0	2	0	2	4	0	0	0	(D)	0	1	(D)	2
<b>International organizations and unallocated</b> .....	<b>79</b>	<b>18</b>	<b>61</b>	<b>188</b>	<b>79</b>	<b>109</b>	<b>149</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>82</b>	<b>20</b>	<b>62</b>	<b>16</b>	<b>-86</b>
<b>Addenda:</b>															
European Union <sup>7</sup> .....	753	669	84	2,675	753	1,922	2,538	3,194	2,130	1,064	10,010	3,194	6,816	7,464	31
Eastern Europe <sup>8</sup> .....	21	9	12	56	21	36	44	0	0	0	1	0	1	4	-6

\* Less than \$500,000  
 D Suppressed to avoid disclosure of data of individual companies.  
 1. Consists of the portion of premiums on reinsurance assumed (for U.S. exports) or ceded (for U.S. imports) that represents charges for services.  
 2. Consists of the portion of premiums received on primary insurance that represents charges for services, and receipts for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated.  
 3. Premiums and other receipts (column 4) or payments (column 11) consist of premiums and charges for auxiliary insurance services. Premiums consist of implicit charges for the services provided (columns 5 and 12) and amounts needed to cover "normal" losses, where normal losses are inferred from the relationship between actual losses and premiums averaged over several years (columns 6 and 13). Charges for auxiliary insurance services are explicit charges and represent in their entirety charges for services (columns 5 and 12). For a description of the methodology used to disaggregate premiums, see Christopher L. Bach, "Annual Revision of the U.S. International Accounts, 1992-2002," SURVEY OF CURRENT BUSINESS, 83 (July 2003): 35-37.  
 4. Losses for settlement are also referred to as "normal" losses, including in the text of the article. See page 76 of the appendix to this article for information on how these losses are calculated.  
 5. Consists of the portion of premiums paid on primary insurance that represents charges for services, and payments for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated.  
 6. Differences between the portion of premiums allocated to loss settlement and the amount of losses actually incurred or recovered—sometimes termed "net insurance settlements"—are treated as unilateral current transfers in the U.S. international transactions accounts. Net insurance settlements equals the net result of (column 6 - column 7) - (column 13 - column 14).  
 7. See table 2, footnote 2.  
 8. See table 2, footnote 3.

Table 6.3. Insurance, 2001

[Millions of dollars]

	Insurance sold to foreigners							Insurance purchased from foreigners							Unilateral current transfers, net <sup>6</sup>
	Exports of services			Supplemental detail				Imports of services			Supplemental detail				
	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>2</sup>	Premiums and other receipts <sup>3</sup>			Actual losses paid	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>5</sup>	Premiums and other payments <sup>3</sup>			Actual losses recovered	
				Total	For services (col. 1)	For loss settlement <sup>4</sup>					Total	For services (col. 8)	For loss settlement <sup>4</sup>		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
<b>All countries</b> .....	<b>2,399</b>	<b>1,807</b>	<b>592</b>	<b>8,531</b>	<b>2,399</b>	<b>6,133</b>	<b>8,594</b>	<b>11,613</b>	<b>9,801</b>	<b>1,810</b>	<b>40,382</b>	<b>11,613</b>	<b>28,769</b>	<b>35,965</b>	<b>4,735</b>
<b>Canada</b> .....	<b>367</b>	<b>237</b>	<b>130</b>	<b>1,219</b>	<b>367</b>	<b>852</b>	<b>996</b>	<b>257</b>	<b>142</b>	<b>115</b>	<b>694</b>	<b>257</b>	<b>437</b>	<b>315</b>	<b>-266</b>
<b>Europe</b> .....	<b>973</b>	<b>847</b>	<b>126</b>	<b>3,694</b>	<b>973</b>	<b>2,721</b>	<b>4,273</b>	<b>5,063</b>	<b>3,698</b>	<b>1,365</b>	<b>16,046</b>	<b>5,063</b>	<b>10,983</b>	<b>20,102</b>	<b>7,567</b>
Belgium-Luxembourg .....	19	17	2	73	19	54	91	34	31	3	123	34	89	94	-32
France .....	138	134	4	551	138	413	718	383	295	88	1,259	383	877	1,435	254
Germany .....	126	120	7	500	126	374	638	788	770	18	3,024	788	2,236	4,605	2,105
Italy .....	21	20	2	84	21	63	110	25	24	1	93	25	68	106	-9
Netherlands .....	14	11	3	50	14	36	27	27	25	2	99	27	72	-172	-235
Norway .....	15	11	4	54	15	39	80	16	3	13	27	16	11	1	-51
Spain .....	19	17	2	72	19	53	75	7	7	0	29	7	22	46	3
Sweden .....	8	7	1	30	8	22	19	42	36	6	147	42	105	260	158
Switzerland .....	17	16	1	65	17	48	111	834	806	28	3,174	834	2,340	3,687	1,285
United Kingdom .....	516	442	74	1,944	516	1,428	2,192	2,288	1,088	1,199	5,667	2,288	3,380	6,027	1,884
Other .....	81	53	28	271	81	190	214	623	616	8	2,404	623	1,781	4,010	2,205
<b>Latin America and Other Western Hemisphere</b> .....	<b>664</b>	<b>526</b>	<b>138</b>	<b>2,416</b>	<b>664</b>	<b>1,752</b>	<b>1,989</b>	<b>6,188</b>	<b>5,870</b>	<b>318</b>	<b>23,260</b>	<b>6,188</b>	<b>17,072</b>	<b>15,137</b>	<b>-2,172</b>
South and Central America .....	292	203	89	994	292	702	762	24	13	11	83	24	59	82	-37
Argentina .....	77	64	13	283	77	206	300	6	6	0	27	6	21	31	-84
Brazil .....	28	22	6	99	28	71	44	0	0	0	5	0	5	12	35
Chile .....	19	12	6	62	19	44	23	0	0	0	2	0	2	0	19
Mexico .....	65	43	22	216	65	151	137	6	5	1	21	6	15	24	23
Venezuela .....	11	6	5	35	11	24	17	0	0	0	3	0	3	1	5
Other .....	93	55	38	297	93	204	241	12	1	10	25	12	14	13	-38
Other Western Hemisphere .....	372	323	48	1,422	372	1,050	1,227	6,164	5,856	307	23,177	6,164	17,013	15,055	-2,135
Bermuda .....	243	239	4	986	243	743	1,012	4,900	4,622	278	18,324	4,900	13,424	10,760	-2,933
Other .....	129	84	45	436	129	307	215	1,267	1,239	29	4,853	1,267	3,586	4,295	801
<b>Africa</b> .....	<b>11</b>	<b>6</b>	<b>5</b>	<b>32</b>	<b>11</b>	<b>21</b>	<b>31</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>-10</b>
South Africa .....	3	2	1	10	3	7	11	0	0	0	(*)	0	(*)	(*)	(*)
Other .....	8	4	4	23	8	15	20	2	0	2	2	2	0	1	-4
<b>Middle East</b> .....	<b>32</b>	<b>29</b>	<b>4</b>	<b>123</b>	<b>32</b>	<b>91</b>	<b>109</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>9</b>	<b>-12</b>
Israel .....	25	24	2	97	25	72	87	2	1	1	5	2	3	2	-16
Saudi Arabia .....	2	1	1	4	2	3	9	0	0	0	(*)	0	(*)	5	(*)
Other .....	6	4	2	21	6	15	12	1	0	1	1	1	0	2	6
<b>Asia and Pacific</b> .....	<b>247</b>	<b>147</b>	<b>101</b>	<b>809</b>	<b>247</b>	<b>562</b>	<b>786</b>	<b>86</b>	<b>77</b>	<b>10</b>	<b>320</b>	<b>86</b>	<b>234</b>	<b>396</b>	<b>-62</b>
Australia .....	53	25	29	156	53	103	166	9	6	3	27	9	18	70	-12
China .....	9	6	4	31	9	22	22	1	1	0	4	1	3	2	-1
Hong Kong .....	19	5	14	48	19	30	23	3	1	2	5	3	3	-5	-1
India .....	2	2	0	9	2	7	20	0	0	0	1	0	1	1	-13
Indonesia .....	4	3	1	13	4	10	24	0	0	0	(*)	0	(*)	7	(*)
Japan .....	88	68	20	328	88	240	348	65	60	4	241	65	176	302	17
Korea, Republic of .....	20	12	8	63	20	43	32	4	4	0	17	4	13	17	15
Malaysia .....	3	3	1	11	3	8	10	0	0	0	1	0	1	1	-2
New Zealand .....	3	3	1	13	3	10	9	0	0	0	-1	0	-1	1	3
Philippines .....	4	3	1	13	4	10	16	4	3	1	(D)	4	10	(D)	-14
Singapore .....	16	3	12	37	16	22	23	1	1	0	2	1	2	1	-2
Taiwan .....	20	10	10	62	20	42	77	1	1	0	7	1	7	-4	-45
Thailand .....	5	5	1	19	5	14	10	0	0	0	(*)	0	(*)	0	(*)
Other .....	2	1	1	6	2	4	7	0	0	0	(D)	0	1	(D)	-3
<b>International organizations and unallocated</b> .....	<b>105</b>	<b>15</b>	<b>90</b>	<b>238</b>	<b>105</b>	<b>133</b>	<b>409</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>53</b>	<b>14</b>	<b>39</b>	<b>7</b>	<b>-309</b>
<b>Addenda:</b>															
European Union <sup>7</sup> .....	907	804	102	3,478	907	2,572	4,007	4,211	2,889	1,323	12,842	4,211	8,631	16,411	6,345
Eastern Europe <sup>8</sup> .....	22	6	16	56	22	34	48	1	0	1	1	1	0	(*)	(*)

\* Less than \$500,000

D Suppressed to avoid disclosure of data of individual companies.

1. Consists of the portion of premiums on reinsurance assumed (for U.S. exports) or ceded (for U.S. imports) that represents charges for services.

2. Consists of the portion of premiums received on primary insurance that represents charges for services, and receipts for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated. In 2001, exports of primary insurance services were \$502 million, and exports of services auxiliary to insurance were \$90 million.

3. Premiums and other receipts (column 4) or payments (column 11) consist of premiums and charges for auxiliary insurance services. Premiums consist of implicit charges for the services provided (columns 5 and 12) and amounts needed to cover "normal" losses, where normal losses are inferred from the relationship between actual losses and premiums averaged over several years (columns 6 and 13). Charges for auxiliary insurance services are explicit charges and represent in their entirety charges for services (columns 5 and 12). For a description of the methodology used to disaggregate premiums,

see Christopher L. Bach, "Annual Revision of the U.S. International Accounts, 1992-2002," SURVEY OF CURRENT BUSINESS, 83 (July 2003): 35-37.

4. Losses for settlement are also referred to as "normal" losses, including in the text of the article. See page 76 of the appendix to this article for information on how these losses are calculated.

5. Consists of the portion of premiums paid on primary insurance that represents charges for services, and payments for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated. In 2001, imports of primary insurance were \$1,719 million, and imports of services auxiliary to insurance were \$91 million.

6. Differences between the portion of premiums allocated to loss settlement and the amount of losses actually incurred or recovered—sometimes termed "net insurance settlements"—are treated as unilateral current transfers in the U.S. international transactions accounts. Net insurance settlements equals the net result of (column 6 - column 7) - (column 13 - column 14).

7. See table 2, footnote 2.

8. See table 2, footnote 3.

**Table 6.4. Insurance, 2002**  
[Millions of dollars]

	Insurance sold to foreigners							Insurance purchased from foreigners							Unilateral current transfers, net <sup>6</sup>
	Exports of services			Supplemental detail				Imports of services			Supplemental detail				
	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>2</sup>	Premiums and other receipts <sup>3</sup>			Actual losses paid	Total	Reinsurance <sup>1</sup>	Primary and other insurance <sup>5</sup>	Premiums and other payments <sup>3</sup>			Actual losses recovered	
				Total	For services (col. 1)	For loss settlement <sup>4</sup>					Total	For services (col. 8)	For loss settlement <sup>4</sup>		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
<b>All countries</b> .....	<b>2,839</b>	<b>2,084</b>	<b>756</b>	<b>11,937</b>	<b>2,839</b>	<b>9,098</b>	<b>8,619</b>	<b>15,348</b>	<b>11,966</b>	<b>3,382</b>	<b>47,156</b>	<b>15,348</b>	<b>31,808</b>	<b>30,914</b>	<b>-415</b>
<b>Canada</b> .....	<b>302</b>	<b>203</b>	<b>98</b>	<b>1,202</b>	<b>302</b>	<b>901</b>	<b>904</b>	<b>437</b>	<b>137</b>	<b>301</b>	<b>855</b>	<b>437</b>	<b>418</b>	<b>628</b>	<b>207</b>
<b>Europe</b> .....	<b>1,117</b>	<b>897</b>	<b>221</b>	<b>4,973</b>	<b>1,117</b>	<b>3,856</b>	<b>4,099</b>	<b>8,346</b>	<b>6,033</b>	<b>2,313</b>	<b>24,487</b>	<b>8,346</b>	<b>16,141</b>	<b>19,606</b>	<b>3,221</b>
Belgium-Luxembourg .....	19	17	2	89	19	70	118	48	46	3	169	48	121	56	-113
France .....	161	150	11	756	161	595	379	609	373	237	1,632	609	1,023	745	-62
Germany .....	131	105	25	587	131	457	549	2,364	2,351	14	8,489	2,364	6,125	6,819	602
Italy .....	24	19	5	102	24	78	15	21	21	0	78	21	57	73	79
Netherlands .....	17	12	6	68	17	51	28	47	40	7	152	47	105	28	-55
Norway .....	22	13	9	84	22	62	72	10	1	9	15	10	5	23	9
Spain .....	18	15	3	80	18	62	63	15	10	5	41	15	26	11	-17
Sweden .....	10	7	3	41	10	31	30	50	39	11	152	50	102	181	80
Switzerland .....	30	22	8	137	30	107	111	1,594	1,568	26	5,676	1,594	4,082	5,108	1,023
United Kingdom .....	590	473	117	2,590	590	2,000	2,453	3,010	1,012	1,997	6,028	3,010	3,018	3,806	335
Other .....	96	64	32	440	96	344	281	572	568	4	2,057	572	1,485	2756	1,334
<b>Latin America and Other Western Hemisphere</b> .....	<b>785</b>	<b>599</b>	<b>186</b>	<b>3,341</b>	<b>785</b>	<b>2,556</b>	<b>2,440</b>	<b>6,413</b>	<b>5,652</b>	<b>761</b>	<b>21,272</b>	<b>6,413</b>	<b>14,859</b>	<b>10,229</b>	<b>-4,514</b>
South and Central America .....	292	204	88	1,178	292	887	777	34	20	14	123	34	89	69	89
Argentina .....	55	45	10	240	55	185	145	12	12	0	45	12	33	34	41
Brazil .....	36	28	7	154	36	119	217	1	1	0	18	1	17	8	-108
Chile .....	21	15	6	84	21	63	56	0	0	0	2	0	2	(*)	(*)
Mexico .....	81	58	23	330	81	249	167	8	6	3	24	8	16	18	84
Venezuela .....	9	6	4	35	9	26	25	1	0	1	6	1	5	(*)	(*)
Other .....	91	53	38	336	91	246	168	12	2	10	29	12	17	8	69
Other Western Hemisphere .....	493	395	99	2,162	493	1,669	1,663	6,380	5,632	748	21,149	6,380	14,769	10,160	-4,604
Bermuda .....	269	265	4	1,318	269	1,050	1,182	5,074	4,374	701	16,592	5,074	11,518	8,787	-2,863
Other .....	225	130	95	844	225	619	481	1,299	1,251	47	4,557	1,299	3,258	1,374	-1,746
<b>Africa</b> .....	<b>14</b>	<b>7</b>	<b>7</b>	<b>51</b>	<b>14</b>	<b>37</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>-13</b>
South Africa .....	3	1	1	11	3	8	20	0	0	0	(*)	0	(*)	1	(*)
Other .....	12	6	6	40	12	28	30	0	0	0	4	0	4	3	-3
<b>Middle East</b> .....	<b>31</b>	<b>26</b>	<b>6</b>	<b>137</b>	<b>31</b>	<b>106</b>	<b>98</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>11</b>
Israel .....	23	20	3	104	23	81	77	1	1	0	3	1	2	2	3
Saudi Arabia .....	1	0	1	3	1	2	1	0	0	0	(*)	0	(*)	4	(*)
Other .....	7	5	2	30	7	23	21	0	0	0	2	0	2	1	1
<b>Asia and Pacific</b> .....	<b>504</b>	<b>343</b>	<b>161</b>	<b>2,023</b>	<b>504</b>	<b>1,519</b>	<b>891</b>	<b>130</b>	<b>124</b>	<b>6</b>	<b>466</b>	<b>130</b>	<b>336</b>	<b>413</b>	<b>705</b>
Australia .....	66	27	39	215	66	149	253	8	6	3	23	8	15	13	-106
China .....	25	5	21	67	25	42	42	1	1	0	3	1	2	-3	-8
Hong Kong .....	37	9	28	102	37	65	39	2	2	0	7	2	5	-3	16
India .....	11	11	1	53	11	42	25	0	0	0	2	0	2	1	16
Indonesia .....	6	6	1	30	6	24	34	6	5	1	(D)	6	13	(D)	-15
Japan .....	265	240	25	1,230	265	965	323	102	100	2	363	102	262	366	746
Korea, Republic of .....	30	14	16	103	30	73	41	6	6	0	21	6	15	23	39
Malaysia .....	3	3	1	13	3	10	9	0	0	0	1	0	1	(*)	(*)
New Zealand .....	3	1	2	10	3	7	3	0	0	0	(*)	0	(*)	1	(*)
Philippines .....	3	2	1	10	3	7	10	4	4	0	(D)	4	10	(D)	-6
Singapore .....	25	10	15	80	25	55	34	1	1	0	4	1	3	1	19
Taiwan .....	22	13	9	85	22	63	58	1	1	1	7	1	6	-3	-4
Thailand .....	5	3	2	18	5	13	9	0	0	0	(*)	0	(*)	0	(*)
Other .....	2	1	1	6	2	5	11	1	1	0	2	1	1	1	-7
<b>International organizations and unallocated</b> .....	<b>88</b>	<b>10</b>	<b>78</b>	<b>212</b>	<b>88</b>	<b>124</b>	<b>136</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>67</b>	<b>19</b>	<b>48</b>	<b>26</b>	<b>-34</b>
<b>Addenda:</b>															
European Union <sup>7</sup> .....	1,031	845	186	4,634	1,031	3,603	3,814	6,724	4,447	2,277	18,744	6,724	12,020	14,452	2,221
Eastern Europe <sup>8</sup> .....	23	11	12	78	23	55	71	15	14	1	(D)	15	36	22	-30

\* Less than \$500,000  
 D Suppressed to avoid disclosure of data of individual companies.  
 1. Consists of the portion of premiums on reinsurance assumed (for U.S. exports) or ceded (for U.S. imports) that represents charges for services.  
 2. Consists of the portion of premiums received on primary insurance that represents charges for services, and receipts for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated. In 2002, exports of primary insurance services were \$565 million, and exports of services auxiliary to insurance were \$191 million.  
 3. Premiums and other receipts (column 4) or payments (column 11) consist of premiums and charges for auxiliary insurance services. Premiums consist of implicit charges for the services provided (columns 5 and 12) and amounts needed to cover "normal" losses, where normal losses are inferred from the relationship between actual losses and premiums averaged over several years (columns 6 and 13). Charges for auxiliary insurance services are explicit charges and represent in their entirety charges for services (columns 5 and 12). For a description of the methodology used to disaggregate premiums, see Christopher L. Bach, "Annual Revision of the U.S. International Accounts, 1992-2002," SURVEY OF CURRENT BUSINESS, 83 (July 2003): 35-37.  
 4. Losses for settlement are also referred to as "normal" losses, including in the text of the article. See page 76 of the appendix to this article for information on how these losses are calculated.  
 5. Consists of the portion of premiums paid on primary insurance that represents charges for services, and payments for services auxiliary to insurance, such as agents' commissions, actuarial services, insurance brokering and agency services, and salvage administration services. Prior to 2001, services auxiliary to insurance were not collected or estimated. In 2002, imports of primary insurance were \$3,214 million and imports of services auxiliary to insurance were \$168 million.  
 6. Differences between the portion of premiums allocated to loss settlement and the amount of losses actually incurred or recovered—sometimes termed "net insurance settlements"—are treated as unilateral current transfers in the U.S. international transactions accounts. Net insurance settlements equals the net result of (column 6 - column 7) - (column 13 - column 14).  
 7. See table 2, footnote 2.  
 8. See table 2, footnote 3.

Table 7.1. Business, Professional, and Technical Services, Unaffiliated, 1999

[Millions of dollars]

	Receipts										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries.....</b>	<b>27,700</b>	<b>481</b>	<b>3,312</b>	<b>2,131</b>	<b>994</b>	<b>1,832</b>	<b>2,465</b>	<b>5,263</b>	<b>1,865</b>	<b>3,490</b>	<b>5,869</b>
<b>Canada .....</b>	<b>2,448</b>	<b>104</b>	<b>311</b>	<b>225</b>	<b>107</b>	<b>176</b>	<b>180</b>	<b>217</b>	<b>190</b>	<b>328</b>	<b>611</b>
<b>Europe .....</b>	<b>10,172</b>	<b>185</b>	<b>1,910</b>	<b>1,016</b>	<b>428</b>	<b>860</b>	<b>1,322</b>	<b>808</b>	<b>534</b>	<b>994</b>	<b>2,115</b>
Belgium-Luxembourg .....	376	11	43	22	17	29	44	21	(D)	23	(D)
France .....	934	20	170	71	29	92	202	25	(D)	95	(D)
Germany .....	1,219	37	207	87	106	125	186	105	77	121	167
Italy .....	422	22	43	136	15	22	40	11	12	52	67
Netherlands .....	517	4	87	66	21	35	45	4	23	94	137
Norway .....	123	1	46	4	7	4	8	2	2	11	39
Spain .....	292	10	52	22	9	13	12	13	29	58	74
Sweden .....	236	3	36	20	29	22	34	1	15	43	33
Switzerland .....	476	18	29	91	80	76	58	9	12	30	73
United Kingdom .....	3,787	42	1,000	350	71	259	561	292	101	309	802
Other .....	1,788	16	195	146	45	183	130	325	87	159	502
<b>Latin America and Other Western Hemisphere .....</b>	<b>4,342</b>	<b>120</b>	<b>247</b>	<b>257</b>	<b>47</b>	<b>200</b>	<b>159</b>	<b>880</b>	<b>281</b>	<b>497</b>	<b>1,653</b>
South and Central America .....	3,933	99	232	228	43	180	108	780	276	468	1,519
Argentina .....	460	(D)	28	25	(D)	9	15	34	(D)	69	153
Brazil .....	597	23	51	63	5	44	24	52	17	71	247
Chile .....	291	4	9	11	(*)	2	9	148	4	28	76
Mexico .....	952	14	68	68	13	28	35	78	77	249	322
Venezuela .....	581	3	35	34	2	14	9	226	3	11	244
Other .....	1,051	(D)	40	28	(D)	83	16	242	(D)	41	476
Other Western Hemisphere .....	409	21	16	28	4	21	51	100	5	29	134
Bermuda .....	61	7	4	7	2	5	22	2	(*)	1	12
Other .....	348	14	12	22	2	16	30	98	4	29	123
<b>Africa .....</b>	<b>1,258</b>	<b>3</b>	<b>126</b>	<b>62</b>	<b>14</b>	<b>131</b>	<b>8</b>	<b>634</b>	<b>30</b>	<b>38</b>	<b>211</b>
South Africa .....	209	(*)	85	49	5	25	6	4	(*)	16	19
Other .....	1,049	3	40	13	9	106	2	629	30	22	193
<b>Middle East .....</b>	<b>2,052</b>	<b>3</b>	<b>107</b>	<b>105</b>	<b>79</b>	<b>128</b>	<b>55</b>	<b>905</b>	<b>78</b>	<b>430</b>	<b>161</b>
Israel .....	209	1	36	6	30	23	27	3	14	31	38
Saudi Arabia .....	1,246	(*)	55	(D)	48	51	5	(D)	(D)	323	29
Other .....	596	1	15	(D)	2	54	23	(D)	(D)	76	94
<b>Asia and Pacific .....</b>	<b>7,241</b>	<b>66</b>	<b>610</b>	<b>465</b>	<b>312</b>	<b>331</b>	<b>741</b>	<b>1,818</b>	<b>752</b>	<b>1,204</b>	<b>942</b>
Australia .....	544	4	100	113	17	38	56	31	20	85	81
China .....	744	3	13	11	5	9	36	337	5	108	217
Hong Kong .....	457	8	49	40	4	11	91	11	(D)	86	(D)
India .....	139	1	17	32	4	7	5	10	11	18	33
Indonesia .....	574	(*)	16	3	2	27	6	448	7	35	30
Japan .....	2,040	36	230	139	198	102	396	63	325	391	160
Korea, Republic of .....	428	3	36	13	20	19	82	30	35	130	61
Malaysia .....	148	1	20	7	1	12	1	36	5	37	26
New Zealand .....	154	1	15	25	2	1	4	1	2	32	73
Philippines .....	376	(*)	9	7	2	27	4	277	3	30	17
Singapore .....	698	6	34	45	9	10	18	(D)	(D)	94	(D)
Taiwan .....	533	2	40	16	30	7	32	(D)	(D)	119	40
Thailand .....	189	1	22	9	12	15	5	20	(D)	29	(D)
Other .....	216	1	6	7	6	46	5	14	24	9	98
<b>International organizations and unallocated .....</b>	<b>190</b>	<b>(*)</b>	<b>1</b>	<b>(*)</b>	<b>6</b>	<b>6</b>	<b>(*)</b>	<b>3</b>	<b>(*)</b>	<b>(*)</b>	<b>174</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	8,468	159	1,754	888	333	629	1,176	550	444	895	1,640
Eastern Europe <sup>4</sup> .....	835	7	56	23	7	126	75	240	75	28	197

See footnotes at the end of the table.

**Table 7.1. Business, Professional, and Technical Services, Unaffiliated, 1999—Continued**

[Millions of dollars]

	Payments										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries.....</b>	<b>8,449</b>	<b>881</b>	<b>1,323</b>	<b>171</b>	<b>749</b>	<b>842</b>	<b>742</b>	<b>256</b>	<b>262</b>	<b>315</b>	<b>2,906</b>
<b>Canada.....</b>	<b>2,145</b>	<b>56</b>	<b>933</b>	<b>8</b>	<b>117</b>	<b>101</b>	<b>46</b>	<b>14</b>	<b>84</b>	<b>136</b>	<b>650</b>
<b>Europe.....</b>	<b>3,459</b>	<b>312</b>	<b>170</b>	<b>126</b>	<b>473</b>	<b>387</b>	<b>409</b>	<b>107</b>	<b>130</b>	<b>114</b>	<b>1,231</b>
Belgium-Luxembourg.....	91	16	6	3	13	15	16	3	(*)	1	20
France.....	287	31	19	(D)	26	39	28	2	5	2	(D)
Germany.....	413	47	51	12	64	49	59	(D)	(D)	26	(D)
Italy.....	146	16	4	1	13	6	16	1	18	(D)	(D)
Netherlands.....	130	5	2	16	22	13	12	1	(*)	4	55
Norway.....	43	2	(D)	(*)	7	2	5	(D)	1	1	14
Spain.....	96	19	3	(*)	7	7	11	(*)	26	1	21
Sweden.....	76	4	1	(*)	36	2	6	(*)	15	2	10
Switzerland.....	145	14	7	4	52	5	9	1	3	1	48
United Kingdom.....	1,504	142	62	45	168	193	180	44	19	34	616
Other.....	527	15	(D)	(D)	67	57	67	(D)	(D)	(D)	215
<b>Latin America and Other Western Hemisphere.....</b>	<b>632</b>	<b>92</b>	<b>11</b>	<b>1</b>	<b>28</b>	<b>68</b>	<b>87</b>	<b>38</b>	<b>16</b>	<b>15</b>	<b>276</b>
South and Central America.....	560	87	9	1	26	58	72	38	16	13	240
Argentina.....	74	11	(*)	(*)	4	4	11	(D)	1	(*)	(D)
Brazil.....	132	41	(*)	(*)	7	11	18	2	(D)	5	(D)
Chile.....	24	5	4	(*)	2	1	3	2	(*)	(*)	6
Mexico.....	129	17	1	(*)	4	10	20	1	4	8	64
Venezuela.....	61	1	(*)	(*)	1	4	5	(*)	1	(*)	49
Other.....	141	13	2	(*)	9	27	16	(D)	(D)	(*)	67
Other Western Hemisphere.....	72	5	2	(*)	2	10	15	(*)	(*)	2	36
Bermuda.....	37	1	1	(*)	1	8	11	(*)	(*)	(*)	14
Other.....	35	4	1	(*)	1	2	4	(*)	(*)	1	22
<b>Africa.....</b>	<b>165</b>	<b>5</b>	<b>1</b>	<b>(*)</b>	<b>22</b>	<b>(D)</b>	<b>8</b>	<b>16</b>	<b>1</b>	<b>2</b>	<b>(D)</b>
South Africa.....	29	3	(*)	(*)	6	2	2	(*)	(*)	(*)	15
Other.....	136	2	(*)	(*)	16	(D)	6	16	1	2	(D)
<b>Middle East.....</b>	<b>361</b>	<b>18</b>	<b>20</b>	<b>2</b>	<b>29</b>	<b>(D)</b>	<b>11</b>	<b>45</b>	<b>11</b>	<b>2</b>	<b>(D)</b>
Israel.....	81	2	11	2	6	2	5	(D)	9	1	(D)
Saudi Arabia.....	126	4	9	(*)	(D)	(D)	2	14	1	(*)	8
Other.....	155	12	(*)	(*)	(D)	(D)	4	(D)	2	(*)	(D)
<b>Asia and Pacific.....</b>	<b>1,679</b>	<b>398</b>	<b>187</b>	<b>34</b>	<b>80</b>	<b>138</b>	<b>179</b>	<b>34</b>	<b>21</b>	<b>46</b>	<b>560</b>
Australia.....	203	16	8	1	12	22	23	15	1	4	101
China.....	85	5	4	4	23	4	12	(*)	1	2	29
Hong Kong.....	100	10	2	1	1	3	20	3	(*)	3	57
India.....	176	2	132	3	5	13	5	1	1	1	12
Indonesia.....	29	(*)	1	(*)	3	7	2	1	(*)	2	13
Japan.....	674	322	16	13	20	10	67	3	(D)	13	(D)
Korea, Republic of.....	94	14	1	2	3	6	17	(*)	1	9	41
Malaysia.....	12	1	(*)	(*)	(*)	5	2	(*)	(*)	(*)	4
New Zealand.....	15	1	(*)	(*)	2	1	3	(*)	(*)	(*)	6
Philippines.....	65	1	16	5	1	23	3	4	(*)	1	10
Singapore.....	60	3	1	3	1	5	5	1	(D)	7	(D)
Taiwan.....	82	18	4	(*)	3	13	9	1	(*)	4	29
Thailand.....	42	1	(*)	(*)	3	(D)	5	3	(*)	(*)	(D)
Other.....	44	2	1	(*)	3	(D)	4	2	(*)	(*)	(D)
<b>International organizations and unallocated.....</b>	<b>7</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>1</b>	<b>2</b>	<b>(*)</b>	<b>(*)</b>	<b>4</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	3,001	291	151	119	377	335	360	57	123	96	1,094
Eastern Europe <sup>4</sup> .....	197	1	(*)	2	29	34	28	(D)	2	(*)	(D)

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

1. Receipts for construction, architectural, and engineering services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 1999, total net receipts of \$5,263 million were derived as gross operating revenues of \$7,751 million less merchandise exports of \$611 million and foreign expenses of \$1,878 million. The components of the total are as follows: Construction services—net receipts of \$2,643 million were derived as gross operating revenues of \$4,151 million less merchandise exports of \$356 million and foreign expenses of \$1,152 million. Architectural, engineering and other technical services—net receipts of \$2,620 million were derived as gross operating revenues of \$3,601 million less merchandise exports of \$255 million and foreign expenses of \$725 million. Payments for construction, architectural, and engineering services are not published net of merchandise imports and outlays for wages and other expenses. Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

2. Consists of accounting, auditing, and bookkeeping services; agricultural, mining, and on-site processing services; medical services; miscellaneous disbursements (see footnote 3 table 1); operational leasing; sports and performing arts; trade-related services (see footnote 4 table 1); training services; and other business, professional, and technical services (see footnote 5 table 1). Receipts for mining services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 1999, mining services net receipts of \$571 million were derived as gross operating revenues of \$1,034 million less merchandise exports of \$2 million and foreign expenses of \$460 million. Payments for mining services are not published net of merchandise imports and outlays for wages and other expenses. Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

Table 7.2. Business, Professional, and Technical Services, Unaffiliated, 2000

(Millions of dollars)

	Receipts										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries</b> .....	<b>25,318</b>	<b>496</b>	<b>3,262</b>	<b>2,360</b>	<b>910</b>	<b>1,670</b>	<b>3,103</b>	<b>2,132</b>	<b>673</b>	<b>4,249</b>	<b>6,463</b>
<b>Canada</b> .....	<b>2,820</b>	<b>90</b>	<b>319</b>	<b>235</b>	<b>68</b>	<b>114</b>	<b>224</b>	<b>486</b>	<b>17</b>	<b>368</b>	<b>899</b>
<b>Europe</b> .....	<b>10,136</b>	<b>264</b>	<b>1,811</b>	<b>1,132</b>	<b>409</b>	<b>695</b>	<b>1,754</b>	<b>456</b>	<b>226</b>	<b>1,266</b>	<b>2,123</b>
Belgium-Luxembourg.....	318	3	22	34	17	38	62	24	(*)	45	73
France.....	986	75	105	84	36	39	254	10	(D)	157	(D)
Germany.....	1,071	44	139	102	63	77	244	7	21	185	189
Italy.....	471	26	42	149	29	25	39	10	7	75	70
Netherlands.....	551	3	54	71	19	43	79	3	5	102	172
Norway.....	98	(*)	24	5	5	3	15	-3	(*)	10	39
Spain.....	371	3	54	27	7	13	36	22	(D)	33	(D)
Sweden.....	248	5	35	22	15	22	54	(*)	6	50	39
Switzerland.....	552	20	19	100	54	44	112	1	(D)	49	(D)
United Kingdom.....	3,868	74	1,157	376	108	196	671	120	(D)	420	(D)
Other.....	1,603	11	160	162	55	194	187	263	11	141	419
<b>Latin America and Other Western Hemisphere</b> .....	<b>3,690</b>	<b>73</b>	<b>298</b>	<b>287</b>	<b>39</b>	<b>237</b>	<b>210</b>	<b>136</b>	<b>(D)</b>	<b>588</b>	<b>(D)</b>
South and Central America.....	3,268	58	275	259	35	187	158	84	(D)	556	(D)
Argentina.....	330	(D)	35	30	4	11	21	9	(D)	20	169
Brazil.....	782	9	111	94	3	31	34	40	3	156	301
Chile.....	152	(*)	5	12	2	8	7	(D)	(D)	23	(D)
Mexico.....	723	12	58	66	15	41	54	-132	30	220	360
Venezuela.....	309	2	27	29	4	12	13	106	4	11	101
Other.....	972	(D)	40	30	7	84	28	(D)	(D)	126	556
Other Western Hemisphere.....	423	14	22	28	4	50	52	53	(D)	32	(D)
Bermuda.....	101	2	5	4	2	18	29	1	(*)	(*)	39
Other.....	321	12	17	24	2	32	23	52	(D)	32	(D)
<b>Africa</b> .....	<b>1,008</b>	<b>2</b>	<b>159</b>	<b>75</b>	<b>47</b>	<b>188</b>	<b>21</b>	<b>179</b>	<b>(D)</b>	<b>89</b>	<b>(D)</b>
South Africa.....	276	1	80	55	(D)	21	16	(D)	(*)	13	15
Other.....	733	1	80	20	(D)	167	5	(D)	(D)	76	(D)
<b>Middle East</b> .....	<b>1,236</b>	<b>3</b>	<b>133</b>	<b>117</b>	<b>37</b>	<b>151</b>	<b>61</b>	<b>102</b>	<b>14</b>	<b>348</b>	<b>270</b>
Israel.....	216	1	24	7	14	12	40	1	3	59	55
Saudi Arabia.....	572	1	60	(D)	20	93	12	22	6	217	(D)
Other.....	448	1	49	(D)	2	46	9	79	5	73	(D)
<b>Asia and Pacific</b> .....	<b>6,298</b>	<b>64</b>	<b>541</b>	<b>513</b>	<b>301</b>	<b>278</b>	<b>828</b>	<b>773</b>	<b>285</b>	<b>1,584</b>	<b>1,130</b>
Australia.....	622	3	125	109	24	40	44	28	16	122	112
China.....	786	2	13	15	10	9	35	334	(D)	138	(D)
Hong Kong.....	384	12	40	48	2	11	94	18	6	67	86
India.....	219	1	44	42	9	8	6	15	28	21	45
Indonesia.....	145	(*)	9	6	7	3	7	34	1	8	41
Japan.....	2,110	31	158	162	177	61	504	97	(D)	557	(D)
Korea, Republic of.....	465	3	41	18	30	31	48	30	9	151	105
Malaysia.....	108	1	13	7	2	6	2	2	4	54	16
New Zealand.....	171	(*)	4	24	1	(*)	4	(*)	(*)	50	87
Philippines.....	183	1	9	6	1	24	3	79	8	35	17
Singapore.....	299	7	43	34	5	7	31	43	5	101	23
Taiwan.....	328	2	31	20	17	8	35	38	(D)	115	(D)
Thailand.....	175	2	7	11	11	8	12	41	(D)	44	(D)
Other.....	302	1	5	11	5	32	3	12	8	121	104
<b>International organizations and unallocated</b> .....	<b>133</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>10</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>(D)</b>	<b>5</b>	<b>(D)</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	8,591	240	1,721	992	337	492	1,500	269	203	1,174	1,663
Eastern Europe <sup>4</sup> .....	661	3	23	23	11	127	112	183	5	30	144

See footnotes at the end of the table.



Table 7.2. Business, Professional, and Technical Services, Unaffiliated, 2000—Continued

[Millions of dollars]

	Payments										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries</b> .....	<b>8,769</b>	<b>909</b>	<b>1,452</b>	<b>179</b>	<b>787</b>	<b>702</b>	<b>893</b>	<b>202</b>	<b>241</b>	<b>821</b>	<b>2,582</b>
<b>Canada</b> .....	<b>2,522</b>	<b>187</b>	<b>1,073</b>	<b>12</b>	<b>72</b>	<b>124</b>	<b>52</b>	<b>22</b>	<b>30</b>	<b>521</b>	<b>429</b>
<b>Europe</b> .....	<b>3,422</b>	<b>298</b>	<b>176</b>	<b>138</b>	<b>451</b>	<b>323</b>	<b>496</b>	<b>53</b>	<b>143</b>	<b>193</b>	<b>1,151</b>
Belgium-Luxembourg.....	81	11	1	3	12	11	19	3	(*)	2	20
France.....	313	23	16	(D)	22	22	31	1	14	12	(D)
Germany.....	440	44	17	8	81	29	71	1	45	40	105
Italy.....	178	16	3	1	6	8	10	(*)	(D)	28	(D)
Netherlands.....	159	4	2	16	19	11	10	(*)	(*)	6	89
Norway.....	35	3	(*)	(*)	4	3	6	(*)	1	1	17
Spain.....	89	27	9	1	2	4	12	(*)	5	4	25
Sweden.....	58	4	1	(*)	20	5	9	2	(*)	5	11
Switzerland.....	109	9	5	6	29	11	16	1	2	3	26
United Kingdom.....	1,444	141	78	57	169	178	237	31	29	56	466
Other.....	517	17	44	(D)	85	40	73	14	(D)	37	175
<b>Latin America and Other Western Hemisphere</b> .....	<b>548</b>	<b>78</b>	<b>4</b>	<b>1</b>	<b>44</b>	<b>46</b>	<b>97</b>	<b>31</b>	<b>8</b>	<b>25</b>	<b>213</b>
South and Central America.....	492	73	3	1	40	42	81	31	8	22	192
Argentina.....	75	8	(*)	(*)	8	4	13	(D)	(*)	1	(D)
Brazil.....	113	36	1	(*)	10	13	20	1	1	7	24
Chile.....	16	3	(*)	(*)	2	1	3	(*)	(*)	(*)	6
Mexico.....	155	18	1	(*)	5	8	21	3	6	12	80
Venezuela.....	24	1	(*)	(*)	4	3	7	(*)	(*)	(*)	8
Other.....	109	7	1	(*)	10	13	17	(D)	(*)	1	(D)
Other Western Hemisphere.....	56	6	1	(*)	5	4	15	(*)	(*)	3	21
Bermuda.....	24	1	1	(*)	4	1	9	(*)	(*)	1	7
Other.....	32	4	1	(*)	1	3	6	(*)	(*)	2	14
<b>Africa</b> .....	<b>215</b>	<b>5</b>	<b>(*)</b>	<b>(*)</b>	<b>37</b>	<b>29</b>	<b>8</b>	<b>24</b>	<b>(D)</b>	<b>1</b>	<b>(D)</b>
South Africa.....	70	4	(*)	(*)	19	5	3	(*)	(*)	(*)	(D)
Other.....	145	1	(*)	(*)	18	24	4	24	(*)	1	72
<b>Middle East</b> .....	<b>269</b>	<b>18</b>	<b>18</b>	<b>2</b>	<b>27</b>	<b>44</b>	<b>15</b>	<b>46</b>	<b>8</b>	<b>4</b>	<b>86</b>
Israel.....	109	2	9	2	22	4	7	32	4	3	24
Saudi Arabia.....	86	4	9	(*)	4	(D)	4	(D)	4	(*)	13
Other.....	74	13	(*)	(*)	2	(D)	5	(D)	(*)	1	49
<b>Asia and Pacific</b> .....	<b>1,788</b>	<b>323</b>	<b>181</b>	<b>25</b>	<b>155</b>	<b>135</b>	<b>225</b>	<b>24</b>	<b>(D)</b>	<b>76</b>	<b>(D)</b>
Australia.....	163	15	7	1	18	11	28	7	(*)	5	71
China.....	110	5	5	4	25	3	13	1	6	9	40
Hong Kong.....	98	8	3	1	8	8	22	1	(*)	3	52
India.....	206	2	133	2	10	23	5	1	(*)	1	29
Indonesia.....	66	(*)	(*)	(*)	5	15	3	1	(*)	3	40
Japan.....	718	260	16	12	49	25	93	4	(D)	36	(D)
Korea, Republic of.....	143	14	1	1	(D)	6	22	(*)	1	1	(D)
Malaysia.....	11	1	(*)	(*)	1	4	2	(*)	(*)	(*)	3
New Zealand.....	9	2	(*)	(*)	2	1	2	(*)	(*)	(*)	2
Philippines.....	39	2	7	3	1	5	4	4	(*)	(*)	12
Singapore.....	52	2	2	(*)	5	3	8	(*)	(*)	5	27
Taiwan.....	72	10	4	(*)	5	8	11	(*)	(*)	(*)	(D)
Thailand.....	48	1	3	(*)	4	(D)	7	3	(*)	(*)	(D)
Other.....	52	2	(*)	(*)	(D)	(D)	5	4	(*)	(D)	30
<b>International organizations and unallocated</b> .....	<b>4</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>(*)</b>	<b>(*)</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	3,023	281	170	132	373	288	426	40	136	164	1,014
Eastern Europe <sup>4</sup> .....	181	2	(*)	(*)	37	15	36	11	4	4	71

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

1. Receipts for construction, architectural, and engineering services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 2000, total net receipts of \$2,132 million were derived as gross operating revenues of \$5,158 million less merchandise exports of \$876 million and foreign expenses of \$2,149 million. The components of the total are as follows: Construction services—net receipts of \$673 million were derived as gross operating revenues of \$2,513 million less merchandise exports of \$698 million and foreign expenses of \$1,142 million. Architectural, engineering, and other technical services—net receipts of \$1,459 million were derived as gross operating revenues of \$2,645 million less merchandise exports of \$179 million and foreign expenses of \$1,007 million. Payments for construction, architectural, and engineering services are not published net of merchandise imports and outlays for wages and other expenses.

Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

2. See table 7.1, footnote 2. Receipts for mining services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 2000, mining services net receipts of \$286 million were derived as gross operating revenues of \$953 million less merchandise exports of \$1 million and foreign expenses of \$666 million. Payments for mining services are not published net of merchandise imports and outlays for wages and other expenses. Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

Table 7.3. Business, Professional, and Technical Services, Unaffiliated, 2001

[Millions of dollars]

	Receipts										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries</b> .....	<b>28,611</b>	<b>526</b>	<b>3,217</b>	<b>2,241</b>	<b>1,065</b>	<b>2,085</b>	<b>3,309</b>	<b>2,630</b>	<b>731</b>	<b>4,939</b>	<b>7,868</b>
<b>Canada</b> .....	<b>2,977</b>	<b>88</b>	<b>351</b>	<b>233</b>	<b>84</b>	<b>286</b>	<b>273</b>	<b>195</b>	<b>27</b>	<b>469</b>	<b>970</b>
<b>Europe</b> .....	<b>11,381</b>	<b>267</b>	<b>1,856</b>	<b>1,149</b>	<b>469</b>	<b>897</b>	<b>1,825</b>	<b>661</b>	<b>256</b>	<b>1,445</b>	<b>2,556</b>
Belgium-Luxembourg.....	431	2	41	35	23	20	71	31	(D)	56	(D)
France.....	1,019	84	91	71	60	66	258	13	14	123	240
Germany.....	1,433	43	181	81	105	152	290	23	21	258	281
Italy.....	481	18	52	140	9	26	47	8	3	91	88
Netherlands.....	601	13	55	73	14	62	78	9	2	119	177
Norway.....	111	(*)	11	3	4	1	13	4	(*)	25	49
Spain.....	419	3	56	25	7	14	30	47	(D)	38	(D)
Sweden.....	257	4	56	21	16	15	66	7	3	36	32
Switzerland.....	706	27	78	122	80	52	95	(D)	4	63	(D)
United Kingdom.....	3,936	65	1,071	433	99	251	668	102	21	440	786
Other.....	1,986	8	164	145	53	240	209	(D)	6	195	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>4,930</b>	<b>85</b>	<b>232</b>	<b>262</b>	<b>55</b>	<b>276</b>	<b>239</b>	<b>941</b>	<b>66</b>	<b>724</b>	<b>2,050</b>
South and Central America.....	4,400	76	201	234	41	199	178	849	60	695	1,867
Argentina.....	394	10	25	19	7	3	21	13	4	74	218
Brazil.....	1,035	11	72	94	7	42	38	(D)	(D)	135	(D)
Chile.....	176	1	7	11	1	3	8	12	9	46	78
Mexico.....	1,083	22	61	64	14	34	58	184	24	228	393
Venezuela.....	608	3	12	21	4	14	15	257	1	163	117
Other.....	1,105	28	24	24	8	102	39	(D)	(D)	50	(D)
Other Western Hemisphere.....	530	9	31	28	14	77	61	93	6	29	183
Bermuda.....	125	5	11	1	13	24	37	(*)	(*)	1	33
Other.....	405	4	20	28	1	53	24	93	6	27	150
<b>Africa</b> .....	<b>1,113</b>	<b>3</b>	<b>140</b>	<b>30</b>	<b>61</b>	<b>198</b>	<b>25</b>	<b>230</b>	<b>9</b>	<b>93</b>	<b>324</b>
South Africa.....	209	1	85	(D)	42	19	9	9	(*)	18	(D)
Other.....	905	2	55	(D)	19	179	16	222	9	75	(D)
<b>Middle East</b> .....	<b>1,475</b>	<b>7</b>	<b>122</b>	<b>128</b>	<b>44</b>	<b>187</b>	<b>92</b>	<b>162</b>	<b>49</b>	<b>323</b>	<b>360</b>
Israel.....	283	1	37	5	13	21	64	6	12	39	85
Saudi Arabia.....	679	2	56	(D)	20	120	15	60	(D)	226	103
Other.....	513	4	29	(D)	12	46	13	96	(D)	58	172
<b>Asia and Pacific</b> .....	<b>6,599</b>	<b>76</b>	<b>516</b>	<b>438</b>	<b>344</b>	<b>232</b>	<b>849</b>	<b>440</b>	<b>324</b>	<b>1,885</b>	<b>1,494</b>
Australia.....	616	4	99	109	19	26	42	15	28	149	126
China.....	737	2	19	16	12	13	40	158	(D)	167	(D)
Hong Kong.....	385	12	40	35	3	15	73	14	2	95	96
India.....	293	1	15	44	9	11	10	12	(D)	26	(D)
Indonesia.....	146	(*)	5	5	5	20	16	32	6	8	49
Japan.....	2,251	33	183	127	237	42	518	53	68	720	270
Korea, Republic of.....	573	5	28	17	27	26	57	93	12	166	143
Malaysia.....	158	1	27	8	2	7	3	19	7	55	29
New Zealand.....	158	1	10	(D)	1	3	6	-4	(*)	38	(D)
Philippines.....	147	1	10	6	2	14	3	14	7	70	21
Singapore.....	283	10	37	13	7	34	34	-60	4	191	33
Taiwan.....	397	3	21	20	12	3	32	60	(D)	125	(D)
Thailand.....	176	2	15	12	5	8	11	9	(D)	59	(D)
Other.....	280	1	7	(D)	3	32	5	26	2	15	(D)
<b>International organizations and unallocated</b> .....	<b>139</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>5</b>	<b>(*)</b>	<b>(*)</b>	<b>113</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	9,295	235	1,704	996	366	654	1,572	259	249	1,281	1,977
Eastern Europe <sup>4</sup> .....	933	2	47	19	18	142	121	370	1	55	156

See See footnotes at end of table.

**Table 7.3. Business, Professional, and Technical Services, Unaffiliated, 2001—Continued**

(Millions of dollars)

	Payments										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries</b> .....	<b>10,034</b>	<b>1,183</b>	<b>1,419</b>	<b>250</b>	<b>826</b>	<b>792</b>	<b>762</b>	<b>295</b>	<b>192</b>	<b>715</b>	<b>3,599</b>
<b>Canada</b> .....	<b>2,449</b>	<b>204</b>	<b>1,006</b>	<b>19</b>	<b>92</b>	<b>90</b>	<b>45</b>	<b>46</b>	<b>18</b>	<b>385</b>	<b>543</b>
<b>Europe</b> .....	<b>4,344</b>	<b>631</b>	<b>215</b>	<b>190</b>	<b>436</b>	<b>400</b>	<b>425</b>	<b>90</b>	<b>73</b>	<b>210</b>	<b>1,674</b>
Belgium-Luxembourg.....	131	14	(D)	7	16	18	18	2	5	6	(D)
France.....	298	28	25	(D)	31	23	28	5	8	4	(D)
Germany.....	480	50	16	8	47	62	60	3	2	6	226
Italy.....	137	22	3	1	6	7	11	(*)	(*)	19	68
Netherlands.....	303	13	7	14	10	20	11	7	2	8	211
Norway.....	35	4	(*)	1	3	1	5	7	(*)	(*)	14
Spain.....	130	27	8	(D)	6	2	12	1	4	1	(D)
Sweden.....	125	6	(*)	(*)	13	11	7	(D)	(*)	(D)	13
Switzerland.....	144	9	3	3	41	6	13	1	(*)	2	65
United Kingdom.....	1,990	430	81	72	195	204	215	33	26	76	658
Other.....	572	28	(D)	4	67	46	45	(D)	27	(D)	250
<b>Latin America and Other Western Hemisphere</b> .....	<b>724</b>	<b>78</b>	<b>11</b>	<b>7</b>	<b>36</b>	<b>56</b>	<b>91</b>	<b>34</b>	<b>2</b>	<b>29</b>	<b>381</b>
South and Central America.....	649	72	10	3	24	49	73	31	1	28	357
Argentina.....	48	8	1	(*)	7	3	10	(*)	(*)	1	18
Brazil.....	149	33	3	2	6	10	19	8	(*)	(D)	(D)
Chile.....	13	2	(*)	(*)	2	1	3	(*)	(*)	(*)	5
Mexico.....	204	20	5	(*)	3	23	20	12	1	(D)	(D)
Venezuela.....	26	1	1	1	1	1	5	1	(*)	(*)	15
Other.....	209	9	(*)	(*)	5	11	16	10	(*)	(*)	158
Other Western Hemisphere.....	74	6	1	4	12	7	18	3	(*)	(*)	23
Bermuda.....	33	1	(*)	(*)	9	1	12	1	(*)	(*)	7
Other.....	42	5	1	3	3	6	6	1	(*)	(*)	16
<b>Africa</b> .....	<b>384</b>	<b>7</b>	<b>(D)</b>	<b>(*)</b>	<b>60</b>	<b>30</b>	<b>8</b>	<b>15</b>	<b>(D)</b>	<b>1</b>	<b>205</b>
South Africa.....	117	5	(D)	(*)	32	3	3	3	(D)	(*)	16
Other.....	267	2	1	(*)	28	27	5	14	(*)	1	189
<b>Middle East</b> .....	<b>293</b>	<b>17</b>	<b>(D)</b>	<b>2</b>	<b>30</b>	<b>41</b>	<b>14</b>	<b>41</b>	<b>(D)</b>	<b>17</b>	<b>119</b>
Israel.....	123	3	(D)	2	26	(D)	8	21	5	8	43
Saudi Arabia.....	70	(*)	(D)	(*)	4	(D)	3	7	(D)	(*)	22
Other.....	99	14	(*)	(*)	1	4	4	12	(*)	9	55
<b>Asia and Pacific</b> .....	<b>1,837</b>	<b>247</b>	<b>163</b>	<b>32</b>	<b>172</b>	<b>173</b>	<b>180</b>	<b>69</b>	<b>52</b>	<b>72</b>	<b>676</b>
Australia.....	200	18	6	2	12	12	24	1	(*)	6	119
China.....	80	4	5	3	9	2	11	3	(*)	5	38
Hong Kong.....	143	11	1	2	1	3	19	(D)	7	4	(D)
India.....	194	1	99	5	17	34	4	5	(*)	(*)	29
Indonesia.....	41	1	(*)	3	3	5	2	1	(*)	(*)	2
Japan.....	648	177	17	9	95	35	72	7	(D)	26	(D)
Korea, Republic of.....	160	9	(*)	1	6	15	19	8	(D)	(D)	59
Malaysia.....	14	2	(*)	(*)	(*)	4	2	(*)	(*)	(*)	5
New Zealand.....	8	2	(*)	(*)	(*)	2	2	(*)	(*)	(*)	3
Philippines.....	86	3	26	3	1	(D)	3	2	(*)	(*)	(D)
Singapore.....	72	4	3	2	14	2	5	4	(*)	4	36
Taiwan.....	84	8	5	3	7	7	11	4	(*)	13	25
Thailand.....	33	3	1	(*)	2	(D)	3	2	(*)	(*)	(D)
Other.....	75	4	(*)	(*)	6	3	3	(D)	(*)	(D)	49
<b>International organizations and unallocated</b> .....	<b>3</b>	<b>(*)</b>	<b>2</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>1</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	3,857	607	208	186	351	367	377	75	63	201	1,422
Eastern Europe <sup>4</sup> .....	256	6	4	(*)	34	20	24	6	7	5	151

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

1. Receipts for construction, architectural, and engineering services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 2001, total net receipts of \$2,630 million were derived as gross operating revenues of \$5,561 million less merchandise exports of \$706 million and foreign expenses of \$2,225 million. The components of the total are as follows: Construction services—net receipts of \$552 million were derived as gross operating revenues of \$2,345 million less merchandise exports of \$541 million and foreign expenses of \$1,252 million. Architectural, engineering, and other technical services—net receipts of \$2,078 million were derived as gross operating revenues of \$3,215 million less merchandise exports of \$165 million and foreign expenses of \$973 million. Payments for construction, architectural, and engineering services are not published net of merchandise imports and outlays for wages and other

expenses. Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

2. See table 7.1, footnote 2. Receipts for mining services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 2001, mining services net receipts of \$229 million were derived as gross operating revenues of \$462 million less merchandise exports of \$3 million and foreign expenses of \$230 million. Payments for mining services are not published net of merchandise imports and outlays for wages and other expenses. Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

Table 7.4. Business, Professional, and Technical Services, Unaffiliated, 2002

[Millions of dollars]

	Receipts										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries</b> .....	<b>28,799</b>	<b>633</b>	<b>3,004</b>	<b>2,426</b>	<b>1,086</b>	<b>1,696</b>	<b>3,270</b>	<b>2,570</b>	<b>749</b>	<b>4,992</b>	<b>8,372</b>
<b>Canada</b> .....	<b>2,997</b>	<b>106</b>	<b>420</b>	<b>352</b>	<b>91</b>	<b>163</b>	<b>309</b>	<b>146</b>	<b>22</b>	<b>413</b>	<b>976</b>
<b>Europe</b> .....	<b>11,207</b>	<b>298</b>	<b>1,765</b>	<b>1,096</b>	<b>565</b>	<b>633</b>	<b>1,773</b>	<b>727</b>	<b>202</b>	<b>1,535</b>	<b>2,612</b>
Belgium-Luxembourg.....	390	2	49	25	21	13	56	(D)	1	100	(D)
France.....	1,116	41	113	69	61	32	210	21	5	203	361
Germany.....	1,437	43	163	77	125	89	281	43	24	289	304
Italy.....	520	29	64	136	9	14	44	8	(D)	110	(D)
Netherlands.....	596	16	77	74	15	37	83	5	8	95	188
Norway.....	109	(*)	14	5	3	2	13	4	4	19	45
Spain.....	380	9	25	27	7	31	32	58	(D)	42	(D)
Sweden.....	295	6	45	20	14	18	69	(D)	2	33	(D)
Switzerland.....	719	29	72	86	98	62	122	15	(D)	56	(D)
United Kingdom.....	3,634	100	975	436	149	131	671	77	23	387	684
Other.....	2,010	23	169	141	61	204	192	396	(D)	201	(D)
<b>Latin America and Other Western Hemisphere</b> .....	<b>4,729</b>	<b>105</b>	<b>178</b>	<b>329</b>	<b>45</b>	<b>263</b>	<b>215</b>	<b>619</b>	<b>144</b>	<b>728</b>	<b>2,103</b>
South and Central America.....	4,198	94	158	302	32	188	146	522	137	704	1,914
Argentina.....	337	12	12	32	2	2	14	31	(D)	10	(D)
Brazil.....	981	15	53	100	11	26	33	(D)	(D)	139	(D)
Chile.....	139	3	4	20	1	2	8	3	(D)	15	(D)
Mexico.....	1,028	29	52	87	9	43	49	43	(D)	223	(D)
Venezuela.....	564	4	11	26	4	14	12	89	6	271	127
Other.....	1,149	32	26	37	6	101	30	(D)	10	45	(D)
Other Western Hemisphere.....	531	11	20	26	12	75	70	97	7	24	189
Bermuda.....	142	5	8	4	12	40	40	(*)	(*)	1	32
Other.....	389	6	12	22	1	36	29	96	7	23	157
<b>Africa</b> .....	<b>991</b>	<b>7</b>	<b>110</b>	<b>40</b>	<b>29</b>	<b>181</b>	<b>21</b>	<b>149</b>	<b>21</b>	<b>111</b>	<b>320</b>
South Africa.....	178	2	82	8	9	20	9	10	(*)	18	20
Other.....	813	6	28	32	20	161	12	139	21	93	300
<b>Middle East</b> .....	<b>1,478</b>	<b>10</b>	<b>89</b>	<b>146</b>	<b>38</b>	<b>195</b>	<b>72</b>	<b>148</b>	<b>52</b>	<b>366</b>	<b>364</b>
Israel.....	262	3	33	7	11	33	47	7	14	31	77
Saudi Arabia.....	683	2	41	61	12	108	16	51	21	272	100
Other.....	532	5	16	78	15	54	9	90	17	63	187
<b>Asia and Pacific</b> .....	<b>6,855</b>	<b>107</b>	<b>442</b>	<b>462</b>	<b>311</b>	<b>260</b>	<b>876</b>	<b>(D)</b>	<b>308</b>	<b>1,838</b>	<b>(D)</b>
Australia.....	598	6	85	116	13	12	60	10	34	142	120
China.....	797	4	15	18	12	13	45	197	(D)	182	(D)
Hong Kong.....	327	15	28	37	2	17	49	7	4	75	92
India.....	268	1	13	51	4	11	9	10	16	26	128
Indonesia.....	160	(*)	3	6	5	22	5	76	4	7	33
Japan.....	2,338	47	185	88	234	62	597	116	39	749	221
Korea, Republic of.....	691	12	26	19	14	21	55	(D)	37	173	(D)
Malaysia.....	159	1	5	10	1	6	4	11	18	73	29
New Zealand.....	157	1	5	24	1	2	5	-4	(*)	39	85
Philippines.....	94	1	11	6	2	17	3	-4	4	31	23
Singapore.....	343	9	33	32	4	(D)	14	16	15	158	(D)
Taiwan.....	408	5	16	22	10	2	28	119	32	110	64
Thailand.....	205	1	14	14	5	11	1	12	(D)	56	(D)
Other.....	310	3	4	20	4	(D)	2	13	5	18	(D)
<b>International organizations and unallocated</b> .....	<b>546</b>	<b>(*)</b>	<b>(*)</b>	<b>(*)</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>(D)</b>	<b>(*)</b>	<b>(*)</b>	<b>(D)</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	9,185	263	1,633	974	445	398	1,534	381	135	1,367	2,056
Eastern Europe <sup>4</sup> .....	794	2	35	22	14	119	96	292	5	60	149

See See footnotes at end of table.

**Table 7.4. Business, Professional, and Technical Services, Unaffiliated, 2002—Continued**

[Millions of dollars]

	Payments										
	Total	Advertising	Computer and data processing services	Database and other information services	Research, development, and testing services	Management, consulting, and public relations services	Legal services	Construction, architectural, and engineering services <sup>1</sup>	Industrial engineering	Installation, maintenance, and repair of equipment	Other <sup>2</sup>
<b>All countries.....</b>	<b>10,732</b>	<b>1,360</b>	<b>1,057</b>	<b>236</b>	<b>1,040</b>	<b>1,188</b>	<b>768</b>	<b>538</b>	<b>185</b>	<b>812</b>	<b>3,550</b>
<b>Canada .....</b>	<b>2,604</b>	<b>241</b>	<b>758</b>	<b>23</b>	<b>129</b>	<b>224</b>	<b>51</b>	<b>93</b>	<b>29</b>	<b>447</b>	<b>610</b>
<b>Europe.....</b>	<b>4,519</b>	<b>662</b>	<b>144</b>	<b>163</b>	<b>575</b>	<b>467</b>	<b>420</b>	<b>248</b>	<b>89</b>	<b>178</b>	<b>1,573</b>
Belgium-Luxembourg .....	111	7	9	2	11	19	11	9	9	(*)	34
France .....	342	49	16	(D)	30	19	25	22	14	(D)	106
Germany.....	492	52	16	7	98	121	59	6	15	10	107
Italy.....	139	23	3	1	16	17	11	(*)	4	3	61
Netherlands.....	265	12	6	18	15	12	9	10	1	7	175
Norway.....	36	3	1	(*)	3	1	4	6	3	(*)	13
Spain.....	123	25	3	(D)	4	2	10	8	3	1	(D)
Sweden.....	137	6	1	1	20	(D)	7	16	(*)	43	(D)
Switzerland.....	116	7	5	2	48	4	15	1	(*)	1	31
United Kingdom.....	2,068	438	50	52	250	188	222	105	35	72	656
Other.....	692	41	36	2	79	(D)	46	65	5	(D)	345
<b>Latin America and Other Western Hemisphere.....</b>	<b>841</b>	<b>86</b>	<b>8</b>	<b>5</b>	<b>41</b>	<b>147</b>	<b>85</b>	<b>31</b>	<b>2</b>	<b>68</b>	<b>368</b>
South and Central America .....	773	77	7	2	39	139	65	30	2	67	345
Argentina.....	91	10	1	(*)	8	3	9	(*)	(*)	(*)	59
Brazil.....	148	26	2	1	7	(D)	16	1	(*)	(D)	42
Chile.....	13	2	(*)	(*)	2	1	3	(*)	(*)	(*)	5
Mexico.....	309	32	2	(*)	15	(D)	20	7	1	(D)	106
Venezuela.....	28	2	1	(*)	1	3	4	1	(*)	(*)	15
Other.....	183	6	(*)	(*)	6	15	14	21	(*)	3	118
Other Western Hemisphere.....	67	8	1	2	2	8	20	1	1	1	23
Bermuda.....	31	(*)	1	(*)	1	2	14	(*)	1	1	11
Other.....	37	8	1	2	2	6	6	1	(*)	(*)	12
<b>Africa.....</b>	<b>368</b>	<b>5</b>	<b>16</b>	<b>(*)</b>	<b>49</b>	<b>47</b>	<b>7</b>	<b>11</b>	<b>1</b>	<b>4</b>	<b>228</b>
South Africa.....	111	3	15	(*)	15	6	3	1	(*)	(*)	66
Other.....	257	2	1	(*)	34	41	4	9	1	4	162
<b>Middle East.....</b>	<b>289</b>	<b>22</b>	<b>2</b>	<b>2</b>	<b>18</b>	<b>49</b>	<b>13</b>	<b>57</b>	<b>5</b>	<b>9</b>	<b>114</b>
Israel.....	111	2	1	2	17	6	7	32	4	2	38
Saudi Arabia.....	65	1	(*)	(*)	(*)	36	3	7	(*)	1	18
Other.....	114	19	(*)	(*)	1	7	4	19	(*)	7	58
<b>Asia and Pacific.....</b>	<b>2,110</b>	<b>344</b>	<b>128</b>	<b>44</b>	<b>228</b>	<b>255</b>	<b>192</b>	<b>99</b>	<b>59</b>	<b>105</b>	<b>656</b>
Australia.....	200	19	3	1	12	8	26	1	(*)	15	116
China.....	141	24	1	4	8	3	16	2	2	9	73
Hong Kong.....	177	13	14	3	4	15	21	31	8	6	60
India.....	209	(D)	76	4	19	12	4	6	7	1	(D)
Indonesia.....	59	1	(*)	3	6	7	7	1	(*)	2	32
Japan.....	726	173	10	17	96	137	69	7	7	26	184
Korea, Republic of.....	160	12	1	4	7	17	20	32	34	(D)	(D)
Malaysia.....	28	3	(*)	(*)	1	10	1	(*)	(*)	4	8
New Zealand.....	16	4	(*)	(*)	(*)	2	2	(*)	(*)	1	6
Philippines.....	51	6	20	3	1	9	3	(*)	(*)	(*)	9
Singapore.....	122	21	1	1	(D)	5	6	4	1	7	(D)
Taiwan.....	88	9	2	3	8	8	11	7	(*)	17	23
Thailand.....	40	4	1	(*)	2	17	4	2	(*)	(*)	10
Other.....	93	(D)	(*)	(*)	(D)	4	3	6	(*)	(D)	57
<b>International organizations and unallocated.....</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(*)</b>
<b>Addenda:</b>											
European Union <sup>3</sup> .....	3,962	642	135	160	479	422	373	216	83	172	1,280
Eastern Europe <sup>4</sup> .....	334	5	2	1	35	32	22	10	2	5	219

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies

1. Receipts for construction, architectural, and engineering services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 2002, total net receipts of \$2,570 million were derived as gross operating revenues of \$6,076 million less merchandise exports of \$517 million and foreign expenses of \$2,988 million. The components of the total are as follows: Construction services—net receipts of \$654 million were derived as gross operating revenues of \$3,160 million less merchandise exports of \$311 million and foreign expenses of \$2,196 million. Architectural, engineering, and other technical services—net receipts of \$1,916 million were derived as gross operating revenues of \$2,915 million less merchandise exports of \$206 million and foreign expenses of \$793 million. Payments for construction, architectural, and engineering services are not published net of merchandise imports and outlays for wages and other expenses. Data

are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

2. See table 7.1, footnote 2. Receipts for mining services are published net of merchandise exports, which are included in merchandise trade in the U.S. international transactions accounts, and net of outlays abroad for wages, services, materials, and other expenses. In 2002, mining services net receipts of \$229 million were derived as gross operating revenues of \$469 million less merchandise exports of \$3 million and foreign expenses of \$237 million. Payments for mining services are not published net of merchandise imports and outlays for wages and other expenses. Data are not collected for merchandise imports and wages and other expenses, and no estimates are made because they are believed to be small.

3. See table 2, footnote 2.

4. See table 2, footnote 3.

**Table 8. Sales of Services to Foreign Persons by U.S. MNCs Through Their Nonbank MOFAs and to U.S. Persons by Foreign MNCs Through Their Nonbank MOUSAs, by Country, 1994-2001**  
(Millions of dollars)

Country <sup>1</sup>	Sales by MOFAs to foreign persons								Sales by MOUSAs to U.S. persons							
	1994	1995	1996	1997	1998	1999 <sup>2</sup>	2000	2001	1994	1995	1996	1997 <sup>3</sup>	1998	1999	2000	2001
<b>All countries</b> .....	<b>159,149</b>	<b>190,057</b>	<b>223,175</b>	<b>255,335</b>	<b>286,066</b>	<b>353,207</b>	<b>413,470</b>	<b>432,179</b>	<b>145,414</b>	<b>149,663</b>	<b>168,444</b>	<b>223,060</b>	<b>245,472</b>	<b>293,485</b>	<b>344,389</b>	<b>366,896</b>
<b>Canada</b> .....	<b>17,776</b>	<b>18,534</b>	<b>21,160</b>	<b>24,128</b>	<b>25,698</b>	<b>34,741</b>	<b>52,833</b>	<b>51,198</b>	<b>22,285</b>	<b>26,620</b>	<b>27,282</b>	<b>35,064</b>	<b>41,871</b>	<b>47,438</b>	<b>50,209</b>	<b>47,921</b>
<b>Europe</b> .....	<b>84,599</b>	<b>105,111</b>	<b>128,665</b>	<b>147,698</b>	<b>165,170</b>	<b>198,673</b>	<b>213,763</b>	<b>233,624</b>	<b>86,156</b>	<b>89,978</b>	<b>101,296</b>	<b>134,865</b>	<b>150,093</b>	<b>187,596</b>	<b>233,499</b>	<b>249,404</b>
Belgium .....	3,886	4,277	4,260	4,283	4,552	4,781	5,582	(D)	471	164	349	130	262	850	1,237	1,028
France .....	10,897	14,183	15,868	14,567	17,704	19,641	19,703	20,028	11,315	12,141	12,260	16,011	18,456	21,436	30,113	42,996
Germany .....	12,434	17,618	21,829	19,102	20,105	29,732	24,623	26,326	10,728	11,904	16,991	22,171	27,396	29,467	41,956	41,882
Italy .....	4,528	5,176	6,462	6,319	7,455	(D)	7,470	8,201	917	750	993	914	818	1,926	2,169	2,119
Netherlands .....	8,111	9,134	10,668	10,911	13,504	13,466	11,497	14,243	(D)	9,860	10,511	15,411	21,210	32,759	39,751	51,239
Norway .....	878	(D)	1,026	1,818	2,152	2,366	2,003	2,447	539	527	2,031	1,624	1,755	5,348	1,314	819
Spain .....	2,211	2,869	3,106	3,115	3,302	4,176	4,802	5,597	179	182	215	317	333	346	(D)	855
Sweden .....	(D)	(D)	2,883	2,881	(D)	(D)	(D)	3,620	(D)	2,413	1,490	1,820	2,892	4,496	7,449	7,243
Switzerland .....	3,187	4,006	4,497	4,133	4,861	4,981	4,953	5,884	12,589	12,758	15,174	19,040	20,540	23,105	33,114	31,376
United Kingdom .....	31,810	38,114	50,330	73,112	78,849	94,158	113,379	124,067	35,563	35,409	37,812	55,035	54,944	65,683	71,608	64,631
Other .....	(D)	6,003	7,126	7,457	(D)	13,280	(D)	(D)	(D)	3,871	3,468	2,392	1,488	2,179	(D)	5,215
<b>Latin America and Other Western Hemisphere</b> .....	<b>12,588</b>	<b>15,791</b>	<b>17,457</b>	<b>23,781</b>	<b>32,534</b>	<b>41,551</b>	<b>50,462</b>	<b>54,143</b>	<b>4,100</b>	<b>4,209</b>	<b>5,474</b>	<b>6,877</b>	<b>8,000</b>	<b>12,567</b>	<b>13,876</b>	<b>25,486</b>
South and Central America .....	8,354	10,893	12,143	15,449	23,248	28,861	35,139	38,012	944	969	1,098	1,128	1,160	1,043	1,193	1,191
Argentina .....	1,463	2,012	2,584	(D)	(D)	4,793	5,801	6,320	3	3	2	4	5	5	6	6
Brazil .....	2,361	3,008	3,457	4,574	10,387	10,001	12,888	12,043	40	40	59	108	119	109	205	208
Chile .....	865	1,530	1,146	1,425	1,830	2,235	3,093	2,886	0	0	(*)	(D)	26	173	32	29
Mexico .....	1,772	1,850	2,003	(D)	3,014	5,326	(D)	7,724	488	517	554	559	543	354	500	496
Venezuela .....	1,054	(D)	1,689	(D)	2,895	3,220	3,598	4,725	214	223	256	232	187	(D)	283	284
Other .....	839	(D)	1,263	1,843	(D)	3,286	(D)	4,313	199	186	227	(D)	280	(D)	167	168
Other Western Hemisphere .....	4,233	4,898	5,313	8,332	9,286	12,690	15,323	16,131	3,156	3,240	4,376	5,748	6,840	11,524	12,683	24,295
Bermuda .....	(D)	(D)	(D)	(D)	6,594	7,471	7,929	8,217	1,373	1,460	1,752	2,907	3,060	5,976	6,391	15,710
Other .....	(D)	(D)	(D)	(D)	2,692	5,219	7,394	7,915	1,783	1,780	2,624	2,841	3,781	5,548	6,292	8,586
<b>Africa, Middle East, and Asia and Pacific</b> .....	<b>41,663</b>	<b>48,088</b>	<b>53,336</b>	<b>56,797</b>	<b>60,169</b>	<b>78,242</b>	<b>96,412</b>	<b>93,214</b>	<b>(D)</b>	<b>28,226</b>	<b>33,495</b>	<b>44,304</b>	<b>42,807</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>
Africa .....	(D)	1,677	1,776	2,102	(D)	2,536	2,978	3,302	(D)	237	248	232	923	(D)	(D)	(D)
South Africa .....	109	529	(D)	958	1,131	(D)	(D)	1,142	179	169	202	191	(D)	(D)	(D)	(D)
Other .....	(D)	1,148	(D)	1,144	(D)	(D)	(D)	2,160	(D)	68	46	41	(D)	(D)	(D)	(D)
Middle East .....	(D)	1,643	1,879	2,045	(D)	4,391	3,745	2,719	1,915	1,803	1,955	2,037	2,260	2,202	2,305	2,289
Israel .....	(D)	(D)	(D)	(D)	(D)	671	805	823	164	251	237	239	251	236	269	303
Saudi Arabia .....	720	(D)	(D)	(D)	(D)	(D)	(D)	1,052	570	591	703	483	483	650	612	649
Other .....	(D)	633	(D)	755	(D)	803	(D)	844	1,181	961	1,015	1,316	1,523	1,315	1,424	1,338
Asia and Pacific .....	39,033	44,768	49,681	52,649	55,347	71,315	89,689	87,192	30,069	26,186	31,293	42,036	39,623	40,810	42,184	39,709
Australia .....	5,550	6,489	8,821	9,713	11,381	14,699	15,326	14,657	(D)	4,321	5,886	8,854	9,046	8,062	9,208	10,739
China .....	320	453	575	776	828	(D)	2,166	2,622	45	58	63	(D)	64	73	80	144
Hong Kong .....	4,043	4,424	5,310	5,915	6,774	8,065	9,693	7,750	1,759	2,003	1,829	1,388	1,546	1,424	1,295	1,190
India .....	47	116	102	222	341	506	948	1,087	24	30	(D)	94	133	175	196	325
Indonesia .....	249	324	415	(D)	(D)	714	781	53	40	49	56	96	78	91	128	128
Japan .....	19,545	21,693	21,921	21,684	23,095	26,425	35,399	35,446	23,203	18,621	21,398	28,383	26,177	28,729	28,688	24,109
Korea, Republic of .....	(D)	1,141	1,299	1,229	996	1,701	2,256	2,567	252	238	827	300	322	374	391	395
Malaysia .....	1,136	(D)	1,391	(D)	1,034	1,597	(D)	1,730	180	162	272	328	292	(D)	(D)	(D)
New Zealand .....	848	1,175	1,075	1,056	869	(D)	(D)	(D)	15	14	20	47	51	23	25	25
Philippines .....	397	(D)	518	589	602	(D)	1,039	1,204	12	10	10	8	11	23	19	18
Singapore .....	2,234	2,492	3,103	3,167	4,608	5,498	5,527	188	244	343	1,761	1,038	879	1,077	1,441	1,441
Taiwan .....	2,473	3,028	3,362	3,965	4,190	(D)	(D)	8,531	283	310	386	581	636	582	723	792
Thailand .....	(D)	1,593	1,618	1,490	(D)	1,475	2,340	2,314	2	2	2	(*)	(*)	(*)	(*)	(*)
Other .....	(D)	(D)	172	254	464	(D)	(D)	(D)	(D)	134	(D)	(D)	213	(D)	(D)	(D)
<b>International</b> <sup>4</sup> .....	<b>2,523</b>	<b>2,531</b>	<b>2,567</b>	<b>2,930</b>	<b>2,495</b>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>United States</b> <sup>5</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	<b>(D)</b>	<b>630</b>	<b>898</b>	<b>1,950</b>	<b>2,701</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>
<b>Addenda:</b>																
European Union <sup>6</sup> .....	76,497	99,012	121,510	140,471	156,068	187,730	202,338	220,283	71,319	76,612	83,987	114,106	127,698	159,017	198,912	216,819
Eastern Europe <sup>7</sup> .....	423	438	577	834	1,601	2,838	3,525	4,009	12	20	22	20	34	55	57	55

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

1. For MOFAs, "country" is the country of the affiliate; for MOUSAs, it is the country of the affiliate's ultimate beneficial owner.

2. See table B, footnote 5.

3. See table B, footnote 4.

4. Foreign affiliates classified in "international" are those that have operations in more than one country and that are engaged in petroleum shipping, other water transportation, or operating movable oil- and gas-drilling equipment. Beginning with the estimates for 1999, BEA is no longer using the "international" category in tabulations of direct investment estimates. This change is being made to comply with international guidelines for the compilation of international transac-

tions and direct investment statistics set forth by the International Monetary Fund's *Balance of Payments Manual*, 5th ed. In accordance with the guidelines, affiliates formerly classified in "international" have been reclassified in the country of operator of the ship or equipment. In most cases the country of the operator is the same as the country of incorporation. In the few cases where the country of incorporation is the United States, the affiliates have been defined out of BEA's direct investment estimates.

5. Contains data for U.S. affiliates that have a foreign parent but whose ultimate beneficial owner is a U.S. person.

6. See table 2, footnote 2.

7. See table 2, footnote 3.

MNC Multinational company

MOFA Majority-owned foreign affiliate

MOUSA Majority-owned U.S. affiliate

**Table 9.1 Sales of Services to Foreign Persons by U.S. MNCs Through Their Nonbank MOFAs, Industry of Affiliate by Country of Affiliate, 2000**

(Millions of dollars)

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Other countries		
			Total	Of which:						Total	Of which:	
				France	Germany	Netherlands	Switzerland	United Kingdom			Australia	Japan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
<b>All industries</b> .....	<b>413,470</b>	<b>52,833</b>	<b>213,763</b>	<b>19,703</b>	<b>24,623</b>	<b>11,497</b>	<b>4,953</b>	<b>113,379</b>	<b>50,462</b>	<b>96,412</b>	<b>15,326</b>	<b>35,399</b>
<b>Manufacturing</b> .....	<b>8,721</b>	<b>1,997</b>	<b>4,582</b>	<b>972</b>	<b>1,093</b>	<b>91</b>	<b>(D)</b>	<b>776</b>	<b>1,094</b>	<b>1,048</b>	<b>161</b>	<b>328</b>
<i>Of which:</i> .....												
Food .....	166	46	57	0	0	49	0	2	48	15	14	0
Chemicals .....	572	28	464	165	142	(*)	0	141	22	59	39	13
Primary and fabricated metals .....	94	1	87	8	3	0	0	73	6	0	0	0
Machinery .....	1,140	80	412	19	21	22	0	193	573	74	40	0
Computers and electronic products .....	4,951	(D)	(D)	690	(D)	0	(D)	154	399	695	10	(D)
Electrical equipment, appliances, and components .....	86	(D)	11	4	0	0	0	1	4	(D)	0	0
Transportation equipment .....	1,047	588	(D)	4	(D)	0	0	58	3	(D)	56	0
<b>Wholesale trade</b> .....	<b>25,363</b>	<b>(D)</b>	<b>13,329</b>	<b>1,583</b>	<b>2,892</b>	<b>940</b>	<b>982</b>	<b>2,998</b>	<b>2,782</b>	<b>(D)</b>	<b>516</b>	<b>958</b>
<i>Of which:</i> .....												
Motor vehicles and motor vehicle parts and supplies .....	(D)	6	(D)	(D)	0	0	0	(D)	0	(D)	0	(D)
Professional and commercial equipment and supplies .....	17,945	590	12,683	1,552	2,812	839	918	2,844	(D)	(D)	369	859
<b>Retail trade</b> .....	<b>1,143</b>	<b>(D)</b>	<b>50</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>(*)</b>	<b>23</b>	<b>(D)</b>	<b>0</b>	<b>0</b>
<b>Information</b> .....	<b>62,021</b>	<b>3,880</b>	<b>(D)</b>	<b>2,572</b>	<b>4,081</b>	<b>(D)</b>	<b>1,015</b>	<b>15,935</b>	<b>11,495</b>	<b>(D)</b>	<b>2,657</b>	<b>(D)</b>
Publishing industries .....	13,598	(D)	(D)	672	1,052	(D)	206	4,154	748	(D)	485	(D)
Newspaper, periodical, book, and database publishers .....	5,511	(D)	(D)	281	468	(D)	42	2,508	408	(D)	255	(D)
Software publishers .....	8,086	315	5,402	391	584	1,134	164	1,646	340	2,029	231	1,141
Motion picture and sound recording industries .....	(D)	1,144	5,683	575	786	1,678	58	1,454	620	(D)	361	1,700
Motion picture and video industries .....	(D)	(D)	4,687	494	(D)	1,632	29	(D)	486	1,232	290	(D)
Sound recording industries .....	2,348	(D)	997	81	(D)	46	29	(D)	134	(D)	71	(D)
Broadcasting and telecommunications .....	24,201	(D)	11,278	499	716	622	80	5,797	9,160	(D)	1,033	458
Broadcasting, cable networks, and program distribution .....	2,733	0	2,213	(D)	5	(D)	0	795	233	287	240	6
Telecommunications .....	21,467	(D)	9,065	(D)	710	(D)	80	5,002	8,927	(D)	792	452
Information services and data processing services .....	(D)	1,517	9,989	826	1,528	544	671	4,530	967	(D)	779	514
Information services .....	(D)	(D)	2,731	117	293	265	(D)	1,392	356	786	(D)	339
Data processing services .....	10,366	(D)	7,258	709	1,236	279	(D)	3,139	611	(D)	(D)	175
<b>Finance (except depository institutions) and insurance</b> .....	<b>100,657</b>	<b>8,432</b>	<b>40,807</b>	<b>1,480</b>	<b>6,916</b>	<b>504</b>	<b>468</b>	<b>26,257</b>	<b>14,863</b>	<b>36,556</b>	<b>2,375</b>	<b>18,494</b>
Finance (except depository institutions) .....	35,084	3,566	21,320	740	845	365	(D)	15,825	3,040	7,158	1,787	2,856
Nondepository credit intermediation and related services .....	11,135	(D)	5,347	(D)	(D)	255	(D)	3,575	1,616	(D)	(D)	1,180
Securities, commodity contracts, and other intermediation and related activities .....	22,950	1,659	15,915	(D)	503	110	285	12,336	1,299	4,078	726	1,676
Funds, trusts, and other financial vehicles .....	998	(D)	58	1	(D)	0	0	13	125	(D)	(D)	(*)
Insurance carriers and related activities .....	65,573	4,866	19,486	739	6,071	139	(D)	10,432	11,823	29,398	589	15,638
Insurance carriers, except life insurance carriers .....	36,492	3,071	14,825	360	5,836	(D)	(D)	7,417	10,143	8,453	388	(D)
Life insurance carriers .....	25,733	1,582	2,056	(D)	0	0	(D)	1,401	1,447	20,648	(D)	(D)
Agencies, brokerages, and other insurance related activities .....	3,348	213	2,606	(D)	235	(D)	(D)	1,614	233	296	(D)	10
<b>Real estate and rental and leasing</b> .....	<b>12,077</b>	<b>1,861</b>	<b>8,260</b>	<b>1,560</b>	<b>589</b>	<b>852</b>	<b>67</b>	<b>3,253</b>	<b>1,051</b>	<b>1,104</b>	<b>351</b>	<b>474</b>
Real estate .....	(D)	114	1,043	307	26	11	(*)	667	71	(D)	(D)	44
Rental and leasing (except real estate) .....	(D)	1,548	7,217	1,253	563	841	67	2,586	980	(D)	(D)	430
<b>Professional, scientific, and technical services</b> .....	<b>68,361</b>	<b>4,987</b>	<b>39,023</b>	<b>3,723</b>	<b>4,682</b>	<b>2,024</b>	<b>1,142</b>	<b>(D)</b>	<b>4,937</b>	<b>19,414</b>	<b>(D)</b>	<b>(D)</b>
Architectural, engineering, and related services .....	10,819	2,021	6,399	235	99	213	27	4,371	431	1,968	432	110
Computer systems design and related services .....	(D)	1,305	15,860	1,450	2,300	1,032	237	(D)	2,136	(D)	(D)	8,056
Management, scientific, and technical consulting .....	(D)	641	5,951	492	1,030	183	499	2,082	1,208	(D)	399	450
Other .....	15,325	1,021	10,812	1,545	1,253	596	379	4,008	1,162	2,330	369	(D)
Legal services .....	894	8	648	169	63	0	1	307	2	236	14	55
Accounting, tax preparation, bookkeeping, and payroll services .....	619	311	231	73	0	0	0	104	22	56	(D)	(D)
Specialized design services .....	52	1	12	2	0	0	0	5	8	31	(D)	0
Scientific research and development services .....	2,399	151	1,749	144	223	30	96	760	120	379	84	(D)
Advertising and related services .....	9,056	468	6,718	1,031	906	485	184	2,263	812	1,058	206	264
Other professional, scientific, and technical services .....	2,304	82	1,455	127	62	81	99	570	198	569	28	107
<b>Other industries</b> .....	<b>135,127</b>	<b>(D)</b>	<b>(D)</b>	<b>7,808</b>	<b>4,364</b>	<b>(D)</b>	<b>(D)</b>	<b>14,217</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>	<b>2,099</b>
Agriculture, forestry, fishing, and hunting .....	93	27	24	3	0	4	0	6	25	18	10	7
Mining .....	10,258	2,985	2,637	(D)	42	375	86	1,538	2,789	1,847	115	0
Utilities .....	58,761	14,969	33,590	0	(D)	(D)	0	32,013	4,823	5,379	2,146	0
Construction .....	(D)	0	14	0	3	0	0	6	0	(D)	(D)	0
Transportation and warehousing .....	21,285	2,308	8,169	589	1,641	757	341	3,175	2,534	8,274	623	652
<i>Of which:</i> .....												
Air transportation .....	1,653	109	776	(D)	(D)	(D)	9	411	105	663	36	(D)
Rail transportation .....	1,561	(D)	(D)	0	0	0	0	(D)	(D)	(D)	(D)	0
Water transportation .....	3,932	22	755	0	1	(D)	139	(D)	1,377	1,779	(D)	(D)
Truck transportation .....	1,798	(D)	(D)	0	(D)	0	0	347	(D)	(D)	0	7
Support activities for transportation .....	5,269	348	2,106	(D)	315	378	89	680	295	2,520	168	57
Management of companies and enterprises .....	2,051	44	1,243	(D)	16	5	(D)	270	608	157	5	12
Administration, support, and waste management .....	(D)	1,983	(D)	4,867	506	591	192	4,131	860	2,535	943	822
Administrative and support services .....	(D)	946	(D)	4,867	506	591	192	4,131	841	2,526	941	822
<i>Of which:</i> .....												
Employment services .....	10,953	425	9,022	(D)	262	383	149	2,780	223	1,282	614	(D)
Travel arrangement and reservation services .....	174	6	119	0	0	0	0	(D)	24	25	1	24
Waste management and remediation services .....	1,065	1,037	0	0	0	0	0	0	19	9	3	0
Health care and social assistance .....	627	31	354	(D)	8	2	104	118	173	69	2	0
Accommodation and food services .....	(D)	2,458	8,252	796	1,707	70	240	3,291	1,980	(D)	1,119	32
Accommodation .....	(D)	427	2,243	(D)	214	65	(D)	936	620	(D)	194	32
Food services and drinking places .....	12,740	2,032	6,009	(D)	1,493	5	(D)	2,355	1,360	3,339	925	0
Miscellaneous services .....	7,442	(D)	(D)	818	(D)	356	115	(D)	425	1,338	445	574
Educational services .....	912	88	517	24	(D)	101	53	98	67	240	36	103
Arts, entertainment, and recreation .....	1,219	(D)	(D)	24	33	7	22	(D)	90	175	49	(D)
Other services (except public administration and private households) .....	5,312	868	3,253	770	282	248	40	1,661	268	923	359	(D)

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

MNC Multinational company

MOFA Majority-owned foreign affiliate

**Table 9.2 Sales of Services to Foreign Persons by U.S. MNCs Through Their Nonbank MOFAs, Industry of Affiliate by Country of Affiliate, 2001**

(Millions of dollars)

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Other countries		
			Total	Of which:						Total	Of which:	
				France	Germany	Netherlands	Switzerland	United Kingdom			Australia	Japan
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
<b>All industries</b> .....	<b>432,179</b>	<b>51,198</b>	<b>233,624</b>	<b>20,028</b>	<b>26,326</b>	<b>14,243</b>	<b>5,884</b>	<b>124,067</b>	<b>54,143</b>	<b>93,214</b>	<b>14,657</b>	<b>35,446</b>
<i>Of which:</i>	<b>9,834</b>	<b>3,179</b>	<b>5,100</b>	<b>752</b>	<b>1,489</b>	<b>71</b>	<b>(D)</b>	<b>726</b>	<b>724</b>	<b>832</b>	<b>144</b>	<b>154</b>
Food.....	(D)	(D)	47	0	0	40	0	2	19	39	22	0
Chemicals.....	494	23	403	135	(D)	(*)	0	127	27	41	29	12
Primary and fabricated metals.....	102	1	95	17	1	0	0	74	6	0	0	0
Machinery.....	779	76	370	17	0	11	0	197	266	67	43	0
Computers and electronic products.....	5,411	(D)	3,031	497	(D)	13	(D)	186	(D)	561	2	131
Electrical equipment, appliances, and components.....	(D)	(D)	4	0	0	0	2	1	(*)	9	0	0
Transportation equipment.....	(D)	(D)	(D)	6	(D)	0	0	33	10	52	46	0
<b>Wholesale trade</b> .....	<b>21,327</b>	<b>753</b>	<b>15,302</b>	<b>2,118</b>	<b>3,246</b>	<b>1,254</b>	<b>1,451</b>	<b>2,794</b>	<b>1,967</b>	<b>3,305</b>	<b>368</b>	<b>1,082</b>
<i>Of which:</i>												
Motor vehicles and motor vehicle parts and supplies.....	179	(D)	(D)	5	0	0	0	(D)	0	61	0	61
Professional and commercial equipment and supplies.....	19,196	57	14,267	2,085	3,154	1,115	1,007	2,698	1,363	3,030	331	962
<b>Retail trade</b> .....	<b>554</b>	<b>57</b>	<b>35</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>(*)</b>	<b>(D)</b>	<b>(D)</b>	<b>0</b>	<b>0</b>
<b>Information</b> .....	<b>64,970</b>	<b>3,612</b>	<b>39,466</b>	<b>2,551</b>	<b>3,886</b>	<b>4,463</b>	<b>1,407</b>	<b>18,041</b>	<b>11,451</b>	<b>10,441</b>	<b>2,659</b>	<b>(D)</b>
Publishing industries.....	15,259	766	(D)	661	1,058	1,493	180	4,290	598	(D)	435	(D)
Newspaper, periodical, book, and database publishers.....	5,504	431	(D)	271	461	155	43	2,639	279	(D)	215	(D)
Software publishers.....	9,755	336	6,033	390	597	1,338	137	1,651	319	3,068	220	1,954
Motion picture and sound recording industries.....	9,842	1,031	6,086	696	759	1,793	58	(D)	529	2,196	399	1,584
Motion picture and video industries.....	7,623	899	5,136	614	(D)	1,749	29	1,375	385	1,201	330	(D)
Sound recording industries.....	2,219	132	949	83	(D)	43	29	(D)	144	995	69	(D)
Broadcasting and telecommunications.....	23,189	284	11,369	347	515	600	(D)	6,309	9,310	2,226	876	461
Broadcasting, cable networks, and program distribution.....	2,921	0	2,333	(D)	6	(D)	0	839	356	233	189	4
Telecommunications.....	20,268	284	9,037	(D)	509	(D)	0	5,470	8,955	1,993	687	457
Information services and data processing services.....	16,680	1,530	(D)	847	1,554	578	(D)	(D)	1,013	(D)	949	585
Information services.....	5,171	353	(D)	284	(D)	259	284	(D)	357	(D)	(D)	386
Data processing services.....	11,509	1,177	8,305	562	(D)	320	(D)	4,124	657	1,370	(D)	198
<b>Finance (except depository institutions) and insurance</b> .....	<b>(D)</b>	<b>8,992</b>	<b>45,173</b>	<b>1,558</b>	<b>8,254</b>	<b>1,204</b>	<b>460</b>	<b>28,762</b>	<b>16,127</b>	<b>(D)</b>	<b>2,339</b>	<b>17,702</b>
Finance (except depository institutions).....	(D)	4,062	24,711	758	2,830	1,029	(D)	17,289	4,467	(D)	1,727	2,500
Nondepository credit intermediation and related services.....	14,675	(D)	7,508	571	1,767	555	(D)	3,507	(D)	2,703	(D)	(D)
Securities, commodity contracts, and other intermediation and related activities.....	(D)	1,674	17,112	186	1,053	473	257	13,768	1,432	(D)	590	1,092
Funds, trusts, and other financial vehicles.....	1,524	(D)	91	1	10	0	0	14	(D)	474	(D)	(D)
Insurance carriers and related activities.....	65,392	4,930	20,462	800	5,424	175	(D)	11,473	11,659	28,341	612	15,202
Insurance carriers, except life insurance carriers.....	35,679	2,997	15,292	388	5,161	(D)	(D)	8,298	9,445	7,946	(D)	(D)
Life insurance carriers.....	25,710	1,703	2,159	(D)	0	0	(D)	1,308	1,794	20,055	76	(D)
Agencies, brokerages, and other insurance related activities.....	4,002	231	3,011	(D)	264	(D)	(D)	1,866	421	339	(D)	11
<b>Real estate and rental and leasing</b> .....	<b>12,099</b>	<b>1,263</b>	<b>8,390</b>	<b>1,722</b>	<b>663</b>	<b>900</b>	<b>83</b>	<b>2,730</b>	<b>1,194</b>	<b>1,252</b>	<b>443</b>	<b>501</b>
Real estate.....	(D)	134	1,211	526	33	12	(D)	471	135	(D)	(D)	58
Rental and leasing (except real estate).....	(D)	1,130	7,178	1,196	629	889	(D)	2,260	1,059	(D)	(D)	443
<b>Professional, scientific, and technical services</b> .....	<b>66,933</b>	<b>4,504</b>	<b>39,684</b>	<b>3,522</b>	<b>4,329</b>	<b>2,239</b>	<b>1,134</b>	<b>(D)</b>	<b>4,564</b>	<b>18,181</b>	<b>(D)</b>	<b>(D)</b>
Architectural, engineering, and related services.....	10,468	1,850	6,421	157	142	236	16	(D)	540	1,657	367	52
Computer systems design and related services.....	(D)	1,173	16,549	1,213	1,955	1,220	224	(D)	1,498	(D)	(D)	(D)
Management, scientific, and technical consulting.....	9,919	629	5,959	477	1,070	185	463	2,106	1,567	1,764	367	511
Other.....	(D)	852	10,756	1,675	1,162	598	430	3,791	959	(D)	291	676
Legal services.....	918	8	670	177	65	0	1	311	3	237	14	55
Accounting, tax preparation, bookkeeping, and payroll services.....	645	315	247	76	0	0	0	113	24	58	16	(D)
Specialized design services.....	71	2	12	2	0	0	0	5	7	50	(D)	0
Scientific research and development services.....	1,816	21	1,371	100	147	30	140	568	40	384	24	(D)
Advertising and related services.....	(D)	423	6,855	1,154	885	464	162	2,195	729	(D)	169	277
Other professional, scientific, and technical services.....	(D)	83	1,600	166	65	104	128	598	156	(D)	(D)	101
<b>Other industries</b> .....	<b>(D)</b>	<b>28,838</b>	<b>80,475</b>	<b>7,800</b>	<b>4,454</b>	<b>4,111</b>	<b>(D)</b>	<b>(D)</b>	<b>23,425</b>	<b>(D)</b>	<b>(D)</b>	<b>(D)</b>
Agriculture, forestry, fishing, and hunting.....	(D)	29	20	3	0	5	0	5	(D)	(D)	(D)	0
Mining.....	9,744	851	3,181	(D)	59	454	90	1,792	3,581	2,131	147	(D)
Utilities.....	74,645	20,415	40,664	0	77	(D)	0	37,896	7,476	6,091	2,208	0
Construction <sup>1</sup> .....	236	0	15	0	3	0	0	8	0	221	221	0
Transportation and warehousing.....	20,693	2,248	8,435	676	1,572	827	366	3,256	2,885	7,125	601	823
<i>Of which:</i>												
Air transportation.....	2,125	168	953	(D)	85	74	54	498	111	894	39	150
Rail transportation.....	1,557	267	(D)	0	0	0	0	(D)	(D)	(D)	124	0
Water transportation.....	4,400	24	932	0	2	(D)	125	442	1,804	1,639	50	(D)
Truck transportation.....	1,798	628	(D)	0	(D)	0	0	386	54	(D)	0	7
Support activities for transportation.....	3,906	230	1,842	373	233	374	87	508	234	1,601	111	59
Management of companies and enterprises.....	2,033	46	1,414	(D)	71	5	(*)	366	429	144	5	4
Administration, support, and waste management.....	16,680	1,515	11,855	4,689	585	589	184	3,487	923	2,386	808	829
Administrative and support services.....	(D)	(D)	11,855	4,689	585	589	184	3,487	918	2,377	805	829
<i>Of which:</i>												
Employment services.....	10,054	330	(D)	(D)	289	366	140	2,034	236	(D)	536	(D)
Travel arrangement and reservation services.....	179	7	(D)	0	0	0	0	0	27	(D)	1	24
Waste management and remediation services.....	(D)	(D)	0	0	0	0	0	0	5	10	3	0
Health care and social assistance.....	(D)	33	870	(D)	8	2	(D)	635	150	(D)	2	0
Accommodation and food services.....	(D)	2,452	8,914	834	1,628	70	258	3,455	1,956	(D)	1,000	30
Accommodation.....	(D)	498	2,732	(D)	210	65	(D)	903	662	(D)	141	30
Food services and drinking places.....	12,937	1,954	6,182	(D)	1,418	5	(D)	2,552	1,294	3,507	858	0
Miscellaneous services.....	(D)	1,250	5,107	774	451	(D)	117	(D)	(D)	1,269	375	561
Educational services.....	1,229	91	672	25	58	(D)	56	(D)	197	268	38	102
Arts, entertainment, and recreation.....	(D)	216	960	25	34	7	22	659	(D)	180	37	100
Other services (except public administration and private households).....	5,579	942	3,476	724	359	205	38	1,754	341	821	300	359

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.  
MNC Multinational company  
MOFA Majority-owned foreign affiliate

1. Because sales resulting from construction activities are recorded as sales of goods rather than as sales of services, the sales of services through MOFAs in construction represent sales in secondary, non-construction, industries. In 2001, sales of goods to foreign residents by MOFAs classified in construction were \$10,440 million.



**Table 10.1. Sales of Services to U.S. Persons by Foreign MNCs Through Their Nonbank MOUSAs, Industry of Affiliate by Country of UBO, 2000**  
(Millions of dollars)

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Other countries			United States
			Total	Of which:						Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom			Australia	Japan	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
<b>All industries</b> .....	<b>344,389</b>	<b>50,209</b>	<b>233,499</b>	<b>30,113</b>	<b>41,956</b>	<b>39,751</b>	<b>33,114</b>	<b>71,608</b>	<b>13,876</b>	(D)	<b>9,208</b>	<b>28,688</b>	(D)
<b>Manufacturing</b> .....	<b>39,839</b>	<b>1,375</b>	<b>30,102</b>	<b>2,565</b>	(D)	(D)	<b>606</b>	<b>4,259</b>	(D)	(D)	<b>61</b>	(D)	(D)
<i>Of which:</i>													
Food.....	(D)	2	(D)	0	0	0	0	(D)	2	66	0	53	0
Chemicals.....	1,276	1	(D)	(D)	26	14	276	48	0	(D)	0	17	0
Primary and fabricated metals.....	748	(D)	404	0	(D)	0	0	20	35	(D)	0	19	0
Machinery.....	6,581	13	6,413	(D)	(D)	37	92	1,106	0	155	0	109	0
Computers and electronic products.....	8,142	(D)	2,241	524	93	217	2	(D)	63	(D)	0	(D)	0
Electrical equipment, appliances, and components.....	(D)	0	234	0	0	0	223	11	(D)	0	0	0	0
Transportation equipment.....	(D)	77	(D)	47	(D)	218	0	162	0	46	0	46	0
<b>Wholesale trade</b> .....	<b>9,275</b>	<b>231</b>	<b>3,186</b>	<b>108</b>	<b>763</b>	<b>522</b>	<b>227</b>	(D)	(D)	(D)	<b>26</b>	<b>5,387</b>	0
<i>Of which:</i>													
Motor vehicles and motor vehicle parts and supplies.....	(D)	0	37	0	37	0	0	0	0	(D)	0	(D)	0
Professional and commercial equipment and supplies.....	2,050	0	526	0	13	(D)	0	6	0	1,524	0	1,502	0
<b>Retail trade</b> .....	<b>312</b>	<b>22</b>	<b>194</b>	<b>6</b>	0	<b>83</b>	0	<b>11</b>	(D)	(D)	0	(D)	0
<b>Information</b> .....	<b>47,866</b>	<b>10,089</b>	<b>24,923</b>	<b>822</b>	(D)	<b>1,865</b>	<b>19</b>	<b>15,765</b>	(D)	(D)	(D)	<b>1,740</b>	<b>1,115</b>
Publishing industries.....	17,395	(D)	13,082	710	(D)	356	(D)	6,064	20	(D)	40	180	9
Newspaper, periodical, book, and database publishers.....	15,242	(D)	11,290	(D)	(D)	(D)	(D)	5,267	(*)	(D)	(D)	47	0
Software publishers.....	2,153	91	1,792	(D)	(D)	(D)	(*)	797	19	241	(D)	133	9
Motion picture and sound recording industries.....	5,828	(D)	604	29	(D)	(D)	0	(D)	11	(D)	0	(D)	(*)
Motion picture and video industries.....	(D)	(D)	28	(D)	(D)	0	(D)	11	(D)	0	0	(D)	(*)
Sound recording industries.....	(D)	(D)	0	1	(D)	0	0	0	7	0	0	7	0
Broadcasting and telecommunications.....	19,585	(D)	6,945	73	(D)	57	2	(D)	(D)	(D)	(D)	116	1,105
Broadcasting, cable networks, and program distribution.....	(D)	117	(*)	0	0	(*)	0	0	(D)	(D)	(D)	(D)	0
Telecommunications.....	(D)	(D)	6,945	73	(D)	57	2	(D)	(D)	296	2	(D)	1,105
Information services and data processing services.....	5,079	10	4,292	10	1	(D)	(D)	2,962	1	776	4	(D)	0
Information services.....	4,799	(*)	(D)	0	1	(D)	(D)	(D)	1	(D)	4	677	0
Data processing services.....	280	9	(D)	10	0	0	0	(D)	0	(D)	0	(D)	0
<b>Finance (except depository institutions) and insurance</b> .....	<b>108,495</b>	<b>15,181</b>	<b>87,349</b>	<b>8,891</b>	<b>14,401</b>	<b>19,817</b>	<b>23,105</b>	<b>19,474</b>	<b>2,300</b>	(D)	<b>1,106</b>	<b>2,208</b>	(D)
Finance (except depository institutions).....	31,104	4,367	23,830	2,339	4,128	1,906	11,280	3,939	71	(D)	(D)	1,536	(D)
Nondepository credit intermediation and related services.....	1,682	334	344	23	(D)	102	10	(D)	8	997	(D)	(D)	0
Securities, commodity contracts, and other intermediation and related activities.....	29,374	4,033	23,475	2,317	(D)	1,796	11,271	(D)	(D)	(D)	16	1,367	(D)
Funds, trusts, and other financial vehicles.....	48	0	12	0	(*)	8	3	(D)	(D)	(D)	0	(D)	0
Insurance carriers and related activities.....	77,391	10,813	63,519	6,551	10,273	17,911	11,825	15,535	2,229	(D)	(D)	672	(D)
Insurance carriers, except life insurance carriers.....	37,273	(D)	31,809	1,463	(D)	(D)	7,403	(D)	2,227	(D)	(D)	(D)	(D)
Life insurance carriers.....	35,878	(D)	27,676	(D)	(D)	(D)	(D)	(D)	0	(D)	(*)	(D)	0
Agencies, brokerages, and other insurance related activities.....	4,240	(D)	4,034	(D)	0	0	0	(D)	3	(D)	(D)	5	0
<b>Real estate and rental and leasing</b> .....	<b>17,620</b>	<b>2,178</b>	<b>7,779</b>	<b>373</b>	<b>2,223</b>	<b>1,036</b>	<b>192</b>	<b>2,029</b>	<b>922</b>	<b>6,615</b>	<b>957</b>	<b>3,619</b>	<b>126</b>
Real estate (except depository institutions).....	13,757	2,011	4,822	(D)	(D)	955	191	929	906	5,893	624	3,250	124
Rental and leasing (except real estate).....	3,864	167	2,957	(D)	(D)	82	1	1,100	16	722	333	369	2
<b>Professional, scientific, and technical services</b> .....	<b>25,319</b>	<b>1,538</b>	<b>21,325</b>	<b>12,914</b>	<b>330</b>	<b>1,217</b>	<b>481</b>	<b>4,954</b>	<b>364</b>	<b>1,898</b>	<b>29</b>	<b>1,195</b>	<b>194</b>
Architectural, engineering, and related services.....	3,956	254	3,341	668	217	(D)	(D)	657	4	358	0	75	0
Computer systems design and related services.....	5,021	483	(D)	(D)	25	(D)	1	477	29	(D)	28	870	(D)
Management, scientific, and technical consulting.....	1,188	7	(D)	165	36	0	102	560	(D)	11	0	9	4
Other.....	15,155	795	13,830	(D)	52	(D)	(D)	3,261	(D)	(D)	(*)	241	(D)
Legal services.....	23	10	14	0	0	0	0	14	0	0	0	0	0
Accounting, tax preparation, bookkeeping, and payroll services.....	40	2	37	4	0	0	27	0	0	0	0	0	0
Specialized design services.....	30	0	19	0	0	0	18	1	0	10	0	10	0
Scientific research and development services.....	682	154	339	20	52	(D)	(D)	159	12	176	(*)	157	1
Advertising and related services.....	13,293	289	12,763	10,052	0	(*)	6	2,705	0	(D)	(*)	32	(D)
Other professional, scientific, and technical services.....	1,088	361	657	(D)	(*)	0	17	382	(D)	(D)	(*)	42	0
<b>Other industries</b> .....	<b>95,642</b>	<b>19,593</b>	<b>58,641</b>	<b>4,434</b>	<b>6,372</b>	(D)	<b>8,484</b>	(D)	<b>4,541</b>	<b>12,584</b>	(D)	(D)	<b>283</b>
Agriculture, forestry, fishing, and hunting.....	72	0	49	(*)	7	29	5	6	12	12	8	(*)	0
Mining.....	3,461	175	(D)	65	121	173	5	24	(D)	22	17	(*)	0
Utilities.....	22,246	7,958	12,096	2,003	4	10	(D)	10,010	(D)	0	0	(D)	0
Construction.....	3,035	(D)	(D)	2	(D)	0	0	209	42	516	0	489	0
Transportation and warehousing.....	21,313	5,227	12,283	(D)	1,800	587	403	5,884	522	(D)	8	2,273	(D)
<i>Of which:</i>													
Air transportation.....	168	13	61	15	(*)	(*)	(*)	6	2	91	0	57	0
Rail transportation.....	2,078	(D)	73	0	1	0	0	69	54	(D)	0	(*)	0
Water transportation.....	2,230	86	(D)	2	2	(*)	(D)	(D)	342	(D)	0	76	2
Truck transportation.....	986	(D)	(D)	0	0	0	0	(D)	0	0	0	0	0
Support activities for transportation.....	7,789	87	5,672	(D)	1,572	(D)	213	851	111	1,919	1	1,542	0
Management of companies and enterprises.....	(D)	0	(D)	0	0	(D)	0	(D)	0	0	0	0	0
Administration, support, and waste management.....	18,024	164	17,077	558	288	3,569	(D)	2,506	(D)	490	0	485	(D)
Administrative and support services.....	18,012	159	17,077	558	288	3,569	(D)	2,506	(D)	484	0	478	(D)
<i>Of which:</i>													
Employment services.....	10,693	0	10,681	4	27	2,844	(D)	(D)	0	12	0	12	0
Travel arrangement and reservation services.....	2,051	17	1,371	459	4	(D)	1	521	14	412	0	410	238
Waste management and remediation services.....	11	5	0	0	0	0	0	0	0	6	0	6	0
Health care and social assistance.....	5,853	1,191	4,200	3	(D)	2	0	(D)	(D)	(D)	(D)	(*)	0
Accommodation and food services.....	15,636	(D)	8,377	(D)	143	(D)	(D)	3,851	662	(D)	1	3,030	4
Accommodation.....	(D)	84	4,054	(D)	100	36	107	(D)	608	(D)	1	2,420	(*)
Food services and drinking places.....	(D)	(D)	4,324	29	43	(D)	(D)	(D)	55	(D)	(*)	610	4
Miscellaneous services.....	(D)	(D)	1,822	68	51	78	19	(D)	105	(D)	235	705	(*)
Educational services.....	298	2	88	13	20	0	0	5	12	195	0	188	0
Arts, entertainment, and recreation.....	2,688	1,321	449	35	22	78	2	226	83	835	224	471	(*)
Other services (except public administration and private households).....	(D)	(D)	1,285	19	8	0	17	(D)	10	(D)	11	46	0

\* Less than \$500,000.  
D Suppressed to avoid disclosure of data of individual companies.  
MNC Multinational company

MOUSA Majority-owned U.S. affiliate  
UBO Ultimate beneficial owner

**Table 10.2. Sales of Services to U.S. Persons by Foreign MNCs Through Their Nonbank MOUSAs, Industry of Affiliate by Country of UBO, 2001**  
 (Millions of dollars)

	All countries	Canada	Europe						Latin America and Other Western Hemisphere	Other countries			United States
			Total	Of which:						Total	Of which:		
				France	Germany	Netherlands	Switzerland	United Kingdom			Australia	Japan	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
<b>All industries</b> .....	<b>366,896</b>	<b>47,921</b>	<b>249,404</b>	<b>42,996</b>	<b>41,882</b>	<b>51,239</b>	<b>31,376</b>	<b>64,631</b>	<b>25,486</b>	(D)	<b>10,739</b>	<b>24,109</b>	(D)
<b>Manufacturing</b> .....	<b>30,636</b>	<b>991</b>	<b>25,293</b>	<b>2,343</b>	<b>8,331</b>	(D)	<b>692</b>	<b>3,685</b>	(D)	(D)	<b>61</b>	<b>426</b>	<b>2</b>
<i>Of which:</i>													
Food .....	1,076	2	1,014	0	0	0	0	1,010	0	59	0	46	0
Chemicals .....	1,347	1	1,004	(D)	43	18	283	22	0	343	0	74	0
Primary and fabricated metals .....	674	237	356	0	(D)	0	0	25	38	43	0	16	0
Machinery .....	5,677	12	5,502	(D)	(D)	35	113	(D)	0	163	0	120	0
Computers and electronic products .....	2,676	(D)	1,969	(D)	78	177	18	1,251	(D)	119	0	100	0
Electrical equipment, appliances, and components .....	(D)	0	(D)	0	0	0	(D)	15	(D)	0	0	0	0
Transportation equipment .....	(D)	80	(D)	28	(D)	(D)	0	179	0	65	0	65	(D)
<b>Wholesale trade</b> .....	<b>9,879</b>	<b>551</b>	<b>3,261</b>	<b>320</b>	(D)	(D)	<b>621</b>	<b>916</b>	<b>204</b>	<b>5,863</b>	<b>25</b>	<b>5,631</b>	<b>0</b>
<i>Of which:</i>													
Motor vehicles and motor vehicle parts and supplies .....	389	0	30	0	(D)	0	0	0	0	359	0	301	0
Professional and commercial equipment and supplies .....	2,139	0	606	13	13	(D)	(D)	6	0	1,533	0	1,499	0
<b>Retail trade</b> .....	<b>190</b>	<b>24</b>	(D)	<b>7</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>7</b>	(D)	(D)	<b>0</b>	<b>39</b>	<b>0</b>
<b>Information</b> .....	<b>47,859</b>	<b>5,445</b>	<b>28,923</b>	<b>5,890</b>	<b>9,505</b>	<b>2,114</b>	<b>15</b>	<b>9,898</b>	(D)	(D)	(D)	<b>1,792</b>	<b>689</b>
Publishing industries .....	14,181	615	13,121	(D)	5,829	381	(D)	5,982	19	416	40	203	9
Newspaper, periodical, book, and database publishers .....	11,708	513	11,047	(D)	(D)	346	(D)	4,983	(*)	148	(D)	47	0
Software publishers .....	2,473	103	2,074	(D)	(D)	35	(*)	999	19	268	(D)	156	9
Motion picture and sound recording industries .....	6,571	201	5,557	(D)	(D)	(D)	0	343	11	802	0	688	(*)
Motion picture and video industries .....	(D)	201	(D)	(D)	(D)	(D)	0	326	11	795	0	681	(*)
Sound recording industries .....	(D)	0	(D)	(D)	1	(D)	0	17	0	7	0	7	0
Broadcasting and telecommunications .....	19,636	(D)	6,523	145	(D)	56	2	(D)	(D)	(D)	(D)	130	680
Broadcasting, cable networks, and program distribution .....	(D)	132	(*)	0	0	(*)	0	0	34	(D)	(D)	(D)	0
Telecommunications .....	(D)	(D)	6,523	145	(D)	56	2	(D)	(D)	(D)	2	(D)	680
Information services and data processing services .....	7,472	(D)	3,722	16	1	(D)	(D)	(D)	(D)	(D)	4	771	0
Information services .....	7,273	(D)	3,645	6	1	(D)	(D)	(D)	(D)	(D)	4	(D)	0
Data processing services .....	199	(D)	78	10	(*)	0	0	43	0	(D)	0	(D)	0
<b>Finance (except depository institutions) and insurance</b> .....	<b>112,307</b>	<b>13,968</b>	<b>90,321</b>	<b>9,880</b>	<b>14,154</b>	<b>32,032</b>	<b>20,432</b>	<b>11,949</b>	<b>2,890</b>	(D)	(D)	<b>2,461</b>	(D)
Finance (except depository institutions) .....	27,212	3,496	19,474	2,346	2,530	1,224	9,476	3,427	66	(D)	(D)	1,767	(D)
Nondepository credit intermediation and related services .....	2,608	(D)	(D)	21	(D)	70	9	9	8	(D)	(D)	237	0
Securities, commodity contracts, and other intermediation and related activities .....	24,577	3,313	19,279	2,325	(D)	1,146	9,466	3,415	49	(D)	17	1,524	(D)
Funds, trusts, and other financial vehicles .....	27	(D)	(D)	0	(*)	8	(*)	2	10	(D)	0	6	0
Insurance carriers and related activities .....	85,095	10,473	70,847	7,534	11,624	30,808	10,956	8,522	2,824	(D)	329	694	(D)
Insurance carriers, except life insurance carriers .....	58,337	(D)	52,073	(D)	(D)	(D)	6,902	6,809	2,806	(D)	(D)	489	(D)
Life insurance carriers .....	22,687	7,504	14,981	(D)	(D)	(D)	1,195	(D)	0	202	(*)	200	0
Agencies, brokerages, and other insurance related activities .....	4,071	(D)	3,793	196	0	0	2,859	(D)	18	(D)	(D)	5	0
<b>Real estate and rental and leasing</b> .....	<b>18,500</b>	<b>2,280</b>	<b>8,478</b>	<b>337</b>	<b>2,414</b>	<b>1,137</b>	<b>193</b>	<b>2,197</b>	<b>888</b>	<b>6,720</b>	<b>1,004</b>	<b>3,712</b>	<b>133</b>
Real estate .....	14,243	2,109	5,131	154	(D)	(D)	192	1,029	872	6,001	651	3,365	131
Rental and leasing (except real estate) .....	4,256	171	3,347	183	(D)	(D)	1	1,169	17	720	353	346	2
<b>Professional, scientific, and technical services</b> .....	<b>37,371</b>	<b>1,736</b>	<b>25,910</b>	<b>14,201</b>	<b>427</b>	<b>1,668</b>	<b>459</b>	<b>7,807</b>	(D)	(D)	<b>33</b>	<b>1,252</b>	<b>176</b>
Architectural, engineering, and related services .....	4,923	211	3,284	690	246	(D)	(D)	680	(D)	(D)	0	163	0
Computer systems design and related services .....	5,710	687	(D)	(D)	87	592	1	865	(D)	1,137	31	782	(D)
Management, scientific, and technical consulting .....	7,492	13	(D)	163	42	0	61	636	(D)	88	0	9	3
Other .....	19,246	825	17,890	(D)	52	(D)	(D)	5,626	29	(D)	2	299	(D)
Legal services .....	26	12	14	0	0	0	0	14	0	0	0	0	0
Accounting, tax preparation, bookkeeping, and payroll services .....	41	2	37	4	0	0	27	0	0	2	0	2	0
Specialized design services .....	41	0	19	0	0	0	18	1	0	22	2	20	0
Scientific research and development services .....	715	102	378	20	52	2	107	185	12	222	(*)	204	1
Advertising and related services .....	14,756	266	14,288	11,056	0	(*)	6	(D)	0	(D)	(*)	31	(D)
Other professional, scientific, and technical services .....	3,666	442	3,154	(D)	(*)	(D)	(D)	(D)	17	53	(*)	42	0
<b>Other industries</b> .....	<b>110,154</b>	<b>22,926</b>	(D)	<b>10,020</b>	(D)	(D)	<b>8,965</b>	<b>28,172</b>	<b>6,860</b>	(D)	<b>465</b>	<b>8,796</b>	<b>459</b>
Agriculture, forestry, fishing, and hunting .....	140	0	116	70	11	28	4	1	12	12	8	(*)	0
Mining .....	5,922	243	631	63	109	181	(*)	42	5,026	22	17	(*)	0
Utilities .....	28,590	11,065	(D)	2,477	4	11	13	12,727	61	(D)	0	(D)	0
Construction .....	3,205	744	1,866	3	(D)	0	0	(D)	41	554	0	527	0
Transportation and warehousing .....	23,688	6,833	13,066	394	1,799	446	1,061	5,947	507	(D)	7	2,082	(D)
<i>Of which:</i>													
Air transportation .....	207	12	59	15	(*)	(*)	(*)	6	2	133	0	56	0
Rail transportation .....	(D)	(D)	(D)	0	1	0	0	67	53	6	0	0	0
Water transportation .....	2,311	83	1,219	2	2	(*)	184	982	332	675	0	73	2
Truck transportation .....	1,124	(D)	(D)	0	0	0	0	(D)	0	0	0	0	0
Support activities for transportation .....	8,534	85	6,178	(D)	1,574	326	(D)	507	108	2,164	1	1,535	0
Management of companies and enterprises .....	758	0	758	0	0	(D)	0	132	0	0	0	0	0
Administration, support, and waste management .....	16,962	166	16,050	625	347	2,228	7,114	2,692	57	452	0	446	237
Administrative and support services .....	16,951	161	16,050	625	347	2,228	7,114	2,692	57	446	0	440	237
<i>Of which:</i>													
Employment services .....	9,304	(*)	9,292	4	27	1,539	7,104	618	0	12	0	12	0
Travel arrangement and reservation services .....	1,909	16	1,288	454	3	(D)	1	503	14	374	0	373	236
Waste management and remediation services .....	11	5	0	0	0	0	0	0	6	0	0	6	0
Health care and social assistance .....	5,697	1,197	(D)	3	(D)	2	0	193	393	(D)	(D)	(*)	0
<b>Accommodation and food services</b> .....	<b>19,699</b>	<b>402</b>	<b>13,756</b>	<b>6,319</b>	<b>147</b>	<b>485</b>	<b>755</b>	<b>4,650</b>	<b>622</b>	(D)	<b>1</b>	<b>2,863</b>	(D)
Accommodation .....	8,753	366	3,822	(D)	105	35	22	(D)	573	(D)	1	2,197	(D)
Food services and drinking places .....	10,946	36	9,934	(D)	43	450	732	(D)	49	(D)	(*)	665	(D)
<b>Miscellaneous services</b> .....	<b>5,292</b>	<b>2,278</b>	<b>1,689</b>	<b>66</b>	<b>73</b>	<b>69</b>	<b>19</b>	(D)	<b>142</b>	<b>1,178</b>	(D)	(D)	<b>5</b>
Educational services .....	309	2	87	13	20	0	0	5	12	207	0	199	0
Arts, entertainment, and recreation .....	2,869	1,355	492	34	45	69	2	257	120	897	(D)	450	5
Other services (except public administration and private households) .....	2,115	921	1,110	19	8	0	17	(D)	10	74	11	(D)	0

\* Less than \$500,000.

D Suppressed to avoid disclosure of data of individual companies.

MNC Multinational company

MOUSA Majority-owned U.S. affiliate

UBO Ultimate beneficial owner

1. Because sales resulting from construction activities are recorded as sales of goods rather than as sales of services, the sales of services through MOUSAs in construction represent sales in secondary, non-construction industries. In 2001, sales of goods to U.S. residents by MOUSAs classified in construction were estimated to be \$27,062 million. These sales of goods were estimated by subtracting exports of goods from the total sales of goods.

# 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

### National Data

<b>A. Selected NIPA tables [A, Q]</b>	
S. Summary tables.....	D-2
1. National product and income .....	D-3
2. Personal income and outlays .....	D-7
3. Government current receipts and expenditures.....	D-8
4. Foreign transactions.....	D-12
5. Saving and investment .....	D-14
6. Income and employment by industry.....	D-17
7. Quantity and price indexes.....	D-18
8. Supplemental tables .....	D-25
<b>B. Other NIPA and NIPA-related tables</b>	
B.1 Personal income [A, M] .....	D-30
B.2 Disposition of personal income [A, M].....	D-30
B.3 Gross domestic product by industry [A] .....	D-31
B.4 Personal consumption expenditures by type [A].....	D-32
B.5 Private fixed investment in structures by type [A].....	D-33
B.6 Private fixed investment in equipment and software by type [A].....	D-33
B.7 Compensation and wage and salary accruals by industry [A].....	D-34
B.8 Employment by industry [A] .....	D-35
B.9 Wage and salary accruals by employee and by industry [A].....	D-36
B.10 Farm sector output, gross product, and national income [A].....	D-37
B.11 Housing sector output, gross product, and national income [A].....	D-37
B.12 Net stock of private fixed assets by type [A].....	D-38
<b>C. Historical measures</b>	
C.1 GDP and other major NIPA aggregates .....	D-39
<b>D. Domestic perspectives [A, Q, M]</b> .....	D-42
<b>E. Charts</b>	
Selected NIPA series.....	D-44
Other indicators of the domestic economy .....	D-50

### International Data

<b>F. Transactions tables</b>	
F.1 U.S. international transactions in goods and services [A, M] .....	D-52
F.2 U.S. international transactions [A, Q] .....	D-53
F.3 U.S. international transactions by area [Q] .....	D-54
F.4 Private services transactions [A].....	D-57
<b>G. Investment tables [A]</b>	
G.1 U.S. international investment position .....	D-58
G.2 USDIA: Selected items .....	D-59
G.3 Selected financial and operating data of foreign affiliates of U.S. companies.....	D-60
G.4 FDIUS: Selected items.....	D-61
G.5 Selected financial and operating data of U.S. affiliates of foreign companies.....	D-62
<b>H. International perspectives [A, Q, M]</b> .....	D-63
<b>I. Charts</b>	
The United States in the international economy.....	D-64

### Regional Data

<b>J. State and regional tables</b>	
J.1 Personal income [Q].....	D-65
J.2 Personal income and per capita personal income [A] .....	D-66
J.3 Disposable personal income and per capita disposable personal income [A] .....	D-67
J.4 Gross state product [A] .....	D-68
<b>K. Local area table</b>	
K.1 Personal income and per capita personal income by metropolitan area [A] .....	D-69
<b>L. Charts</b>	
Selected regional estimates .....	D-71

### Appendixes

<b>A: Additional information about the NIPA estimates</b>	
Statistical conventions.....	D-73
Reconciliation tables [A, Q] .....	D-74
<b>B: Suggested reading</b> .....	D-75

## 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 September 26, 2003, and include the "final" estimates for the second quarter of 2003. Also included are revised estimates of wages and salaries and affected income-side series for the first quarter of 2003.

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, call the BEA Order Desk at 1-800-704-0415 (outside the United States, 202-606-9666).

## S. Summary Tables

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

[Percent]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product..</b>	.3	2.4	1.3	4.0	1.4	1.4	3.3
<b>Personal consumption expenditures.....</b>	2.5	3.1	1.8	4.2	1.7	2.0	3.8
Durable goods.....	6.0	7.3	2.0	22.8	-8.2	-2.0	24.3
Nondurable goods.....	2.0	3.2	-1	1.0	5.1	6.1	1.4
Services.....	2.0	2.2	2.7	2.3	2.2	9	1.4
<b>Gross private domestic investment.....</b>	-10.7	1.0	7.9	3.6	6.3	-5.3	2.0
Fixed investment.....	-3.8	-3.1	-1.0	-3	4.4	-1	7.1
Nonresidential.....	-5.2	-5.7	-2.4	-8	2.3	-4.4	7.3
Structures.....	-1.7	-16.4	-17.6	-21.4	-9.9	-2.9	4.2
Equipment and software.....	-6.4	-1.7	3.3	6.7	6.2	-4.8	8.3
Residential.....	.3	3.9	2.7	1.1	9.4	10.1	6.6
Change in private inventories.....							
<b>Net exports of goods and services.....</b>							
Exports.....	-5.4	-1.6	14.3	4.6	-5.8	-1.3	-1.0
Goods.....	-5.9	-3.6	15.9	4.1	-11.5	1.9	-1.6
Services.....	-4.0	3.2	10.7	5.9	8.0	-8.0	.5
Imports.....	-2.9	3.7	22.2	3.3	7.4	-6.2	8.8
Goods.....	-3.3	3.9	27.9	3.4	6.2	-6.7	13.5
Services.....	-5	2.1	-2.1	3.1	13.0	-4.0	-11.4
<b>Government consumption expenditures and gross investment.....</b>	3.7	4.4	1.4	2.9	4.6	.4	8.5
Federal.....	4.8	7.5	7.5	4.3	11.0	.7	25.5
National defense.....	5.0	9.3	7.8	6.9	11.0	-3.3	45.8
Nondefense.....	4.5	4.3	6.9	-3	11.1	8.4	-5.4
State and local.....	3.1	2.8	-1.7	2.2	1.2	.2	-2
<b>Addenda:</b>							
Final sales of domestic product.....	1.5	1.8	-1	3.4	1.1	2.3	4.0
Gross domestic purchases..	.4	3.0	2.6	3.9	2.9	.6	4.4
Final sales to domestic purchasers.....	1.6	2.4	1.3	3.3	2.6	1.4	5.1
Gross national product.....	.2	2.1	.4	4.4	1.4	1.4	3.5
Disposable personal income.....	1.8	4.2	3.9	1.8	1.4	1.6	2.6

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**

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
<b>Gross domestic product.....</b>	.3	2.4	1.3	4.0	1.4	1.4	3.3
<b>Percentage points at annual rates:</b>							
<b>Personal consumption expenditures.....</b>	1.67	2.15	1.22	2.93	1.19	1.40	2.68
Durable goods.....	.48	.59	.16	1.74	-.72	-.17	1.79
Nondurable goods.....	.39	.64	-.02	.22	1.01	1.21	.28
Services.....	.80	.92	1.08	.97	.90	.36	.60
<b>Gross private domestic investment.....</b>	-1.90	.15	1.16	.55	.93	-.83	.30
Fixed investment.....	-.65	-.50	-.15	-.03	.65	-.02	1.05
Nonresidential.....	-.66	-.68	-.27	-.08	.24	-.47	.74
Structures.....	-.05	-.52	-.53	-.62	-.25	-.07	.10
Equipment and software.....	-.61	-.15	.26	.53	.49	-.40	.64
Residential.....	.01	.18	.12	.05	.41	.45	.31
Change in private inventories.....	-1.24	.65	1.31	.58	.28	-.82	-.74
<b>Net exports of goods and services.....</b>	-.18	-.67	-1.40	-.01	-1.59	.78	-1.29
Exports.....	-.59	-.17	1.29	.45	-.59	-.13	-.09
Goods.....	-.47	-.26	.99	.28	-.82	-.13	-.10
Services.....	-.13	.09	.30	.17	.23	-.25	.02
Imports.....	.42	-.50	-2.69	-.47	-1.00	.91	-1.21
Goods.....	.40	-.43	-2.74	-.40	-.71	.81	-1.50
Services.....	.01	-.07	.05	-.07	-.30	.10	.30
<b>Government consumption expenditures and gross investment.....</b>	.65	.81	.27	.56	.85	.08	1.59
Federal.....	.29	.47	.47	.29	.70	.05	1.61
National defense.....	.19	.37	.32	.29	.46	-.15	1.74
Nondefense.....	.10	.10	.16	-.01	.25	.20	-.13
State and local.....	.36	.34	-.21	.27	.15	.03	-.02

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product</b> .....	<b>10,082.2</b>	<b>10,446.2</b>	<b>10,376.9</b>	<b>10,506.2</b>	<b>10,588.8</b>	<b>10,688.4</b>	<b>10,802.7</b>
<b>Personal consumption expenditures</b> .....	<b>6,987.0</b>	<b>7,303.7</b>	<b>7,254.7</b>	<b>7,360.7</b>	<b>7,425.4</b>	<b>7,512.5</b>	<b>7,598.6</b>
Durable goods .....	835.9	871.9	856.9	897.8	873.9	861.2	900.5
Nondurable goods .....	2,041.3	2,115.0	2,108.2	2,116.9	2,150.0	2,206.8	2,203.3
Services .....	4,109.9	4,316.8	4,289.5	4,346.0	4,401.5	4,444.6	4,494.8
<b>Gross private domestic investment</b> .....	<b>1,586.0</b>	<b>1,593.2</b>	<b>1,588.0</b>	<b>1,597.3</b>	<b>1,628.1</b>	<b>1,611.2</b>	<b>1,616.5</b>
Fixed investment .....	1,646.3	1,589.3	1,584.6	1,579.7	1,603.6	1,610.7	1,635.0
Nonresidential .....	1,201.6	1,117.4	1,115.8	1,109.8	1,117.1	1,103.4	1,119.0
Structures .....	324.5	269.3	275.2	259.4	254.2	254.9	257.3
Equipment and software .....	877.1	848.1	840.7	850.4	863.0	848.6	861.7
Residential .....	444.8	471.9	468.7	469.9	486.5	507.3	516.0
Change in private inventories .....	-60.3	3.9	3.4	17.6	24.5	4	-18.5
<b>Net exports of goods and services</b> .....	<b>-348.9</b>	<b>-423.6</b>	<b>-425.6</b>	<b>-432.9</b>	<b>-476.0</b>	<b>-487.2</b>	<b>-504.6</b>
Exports .....	1,034.1	1,014.9	1,018.1	1,038.6	1,025.4	1,031.8	1,031.5
Goods .....	733.5	703.6	709.4	722.6	702.6	711.9	711.9
Services .....	300.6	311.3	308.8	316.0	322.8	319.9	319.6
Imports .....	1,383.0	1,438.5	1,443.7	1,471.5	1,501.4	1,519.0	1,536.1
Goods .....	1,167.2	1,192.1	1,202.9	1,220.9	1,242.5	1,256.1	1,274.1
Services .....	215.8	246.4	240.8	250.6	258.9	262.9	262.0
<b>Government consumption expenditures and gross investment</b> .....	<b>1,858.0</b>	<b>1,972.9</b>	<b>1,959.8</b>	<b>1,981.1</b>	<b>2,011.3</b>	<b>2,052.0</b>	<b>2,092.2</b>
Federal .....	628.1	693.7	688.2	697.7	716.9	735.2	779.8
National defense .....	399.9	447.4	442.1	451.2	464.7	471.1	518.6
Nondefense .....	228.2	246.3	246.1	246.5	252.2	264.1	261.1
State and local .....	1,229.9	1,279.2	1,271.6	1,283.3	1,294.4	1,316.8	1,312.5

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product</b> .....	<b>9,214.5</b>	<b>9,439.9</b>	<b>9,392.4</b>	<b>9,485.6</b>	<b>9,518.2</b>	<b>9,552.0</b>	<b>9,629.4</b>
<b>Personal consumption expenditures</b> .....	<b>6,377.2</b>	<b>6,576.0</b>	<b>6,542.4</b>	<b>6,609.9</b>	<b>6,637.9</b>	<b>6,670.9</b>	<b>6,733.9</b>
Durable goods .....	931.9	999.9	980.7	1,032.4	1,010.6	1,005.4	1,061.5
Nondurable goods .....	1,869.8	1,929.5	1,920.9	1,925.8	1,950.0	1,978.9	1,985.6
Services .....	3,594.9	3,675.6	3,666.2	3,687.0	3,707.0	3,714.9	3,728.0
<b>Gross private domestic investment</b> .....	<b>1,574.6</b>	<b>1,589.6</b>	<b>1,583.9</b>	<b>1,598.0</b>	<b>1,622.4</b>	<b>1,600.4</b>	<b>1,608.3</b>
Fixed investment .....	1,627.4	1,577.3	1,572.6	1,571.6	1,588.5	1,587.9	1,615.3
Nonresidential .....	1,255.1	1,183.4	1,181.1	1,178.7	1,185.3	1,172.1	1,193.0
Structures .....	270.9	226.4	231.7	218.2	212.6	211.0	213.2
Equipment and software .....	988.2	971.1	961.4	977.2	992.1	979.9	999.5
Residential .....	373.5	388.2	386.1	387.1	395.9	405.5	412.0
Change in private inventories .....	-61.4	5.2	4.9	18.8	25.8	4.8	-17.6
<b>Net exports of goods and services</b> .....	<b>-415.9</b>	<b>-488.5</b>	<b>-487.4</b>	<b>-488.0</b>	<b>-532.2</b>	<b>-510.3</b>	<b>-546.1</b>
Exports .....	1,076.1	1,058.8	1,065.5	1,077.7	1,061.6	1,058.1	1,055.5
Goods .....	785.2	756.9	765.8	773.5	750.3	753.9	750.8
Services .....	292.0	301.5	299.7	304.0	310.0	303.5	303.9
Imports .....	1,492.0	1,547.4	1,552.9	1,565.7	1,593.8	1,568.4	1,601.7
Goods .....	1,270.5	1,320.1	1,329.2	1,340.3	1,360.8	1,337.4	1,380.4
Services .....	222.4	227.2	224.3	226.0	233.0	230.7	223.8
<b>Government consumption expenditures and gross investment</b> .....	<b>1,640.4</b>	<b>1,712.8</b>	<b>1,703.3</b>	<b>1,715.6</b>	<b>1,735.0</b>	<b>1,736.7</b>	<b>1,772.6</b>
Federal .....	570.6	613.3	608.7	615.1	631.4	632.5	669.5
National defense .....	366.0	400.0	395.8	402.5	413.2	409.7	450.2
Nondefense .....	204.4	213.3	212.9	212.7	218.3	222.8	219.7
State and local .....	1,069.4	1,099.7	1,094.7	1,100.6	1,104.0	1,104.6	1,104.1
Residual .....	22.6	19.9	25.1	12.1	22.2	25.2	22.7

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.

**Table 1.3. Gross Domestic Product by Major Type of Product**  
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product</b> .....	<b>10,082.2</b>	<b>10,446.2</b>	<b>10,376.9</b>	<b>10,506.2</b>	<b>10,588.8</b>	<b>10,688.4</b>	<b>10,802.7</b>
Final sales of domestic product.....	10,142.5	10,442.4	10,373.5	10,488.7	10,564.3	10,688.0	10,821.2
Change in private inventories.....	-60.3	3.9	3.4	17.6	24.5	.4	-18.5
<b>Goods</b> .....	<b>3,593.7</b>	<b>3,694.1</b>	<b>3,659.1</b>	<b>3,732.7</b>	<b>3,720.4</b>	<b>3,735.5</b>	<b>3,750.6</b>
Final sales.....	3,654.0	3,690.2	3,655.7	3,715.2	3,695.9	3,735.0	3,769.1
Change in private inventories.....	-60.3	3.9	3.4	17.6	24.5	.4	-18.5
Durable goods.....	1,611.4	1,644.8	1,612.0	1,683.1	1,662.7	1,639.4	1,659.1
Final sales.....	1,676.4	1,643.7	1,616.8	1,678.3	1,638.2	1,627.8	1,673.4
Change in private inventories.....	-65.0	1.1	-4.8	4.8	24.5	11.6	-14.3
Nondurable goods.....	1,982.3	2,049.3	2,047.1	2,049.6	2,057.7	2,096.0	2,091.5
Final sales.....	1,977.6	2,046.5	2,038.9	2,036.9	2,057.8	2,107.3	2,095.7
Change in private inventories.....	4.7	2.8	8.2	12.7	-1	-11.2	-4.1
<b>Services</b> .....	<b>5,535.1</b>	<b>5,814.7</b>	<b>5,781.5</b>	<b>5,849.7</b>	<b>5,930.9</b>	<b>5,993.0</b>	<b>6,080.8</b>
<b>Structures</b> .....	<b>953.3</b>	<b>937.5</b>	<b>936.3</b>	<b>923.8</b>	<b>937.5</b>	<b>960.0</b>	<b>971.2</b>
<b>Addenda:</b>							
Motor vehicle output.....	312.0	344.2	334.7	360.7	349.7	347.4	340.9
Gross domestic product less motor vehicle output.....	9,770.2	10,102.0	10,042.1	10,145.5	10,239.1	10,341.1	10,461.8

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

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product</b> .....	<b>9,214.5</b>	<b>9,439.9</b>	<b>9,392.4</b>	<b>9,485.6</b>	<b>9,518.2</b>	<b>9,552.0</b>	<b>9,629.4</b>
Final sales of domestic product.....	9,258.4	9,424.4	9,377.9	9,457.2	9,483.1	9,536.2	9,631.1
Change in private inventories.....	-61.4	5.2	4.9	18.8	25.8	4.8	-17.6
Residual.....	17.5	10.3	9.6	9.6	9.3	11.0	15.9
<b>Goods</b> .....	<b>3,589.9</b>	<b>3,710.1</b>	<b>3,674.4</b>	<b>3,754.8</b>	<b>3,740.1</b>	<b>3,760.9</b>	<b>3,784.0</b>
Final sales.....	3,643.3	3,697.6	3,663.0	3,728.1	3,705.9	3,748.3	3,791.3
Change in private inventories.....	-61.4	5.2	4.9	18.8	25.8	4.8	-17.6
Durable goods.....	1,754.9	1,822.8	1,784.6	1,872.5	1,852.8	1,839.7	1,875.9
Final sales.....	1,823.9	1,819.3	1,787.6	1,864.6	1,823.2	1,824.3	1,889.6
Change in private inventories.....	-67.9	1.4	-4.4	5.0	25.1	12.2	-14.5
Nondurable goods.....	1,834.2	1,888.2	1,887.2	1,888.0	1,890.8	1,920.5	1,912.1
Final sales.....	1,825.6	1,879.9	1,874.5	1,870.2	1,884.2	1,921.9	1,907.9
Change in private inventories.....	4.8	3.8	9.0	13.6	1.4	-6.7	-3.6
<b>Services</b> .....	<b>4,826.4</b>	<b>4,959.9</b>	<b>4,945.5</b>	<b>4,976.4</b>	<b>5,014.6</b>	<b>5,021.8</b>	<b>5,066.7</b>
<b>Structures</b> .....	<b>797.1</b>	<b>775.0</b>	<b>774.9</b>	<b>764.0</b>	<b>768.8</b>	<b>775.7</b>	<b>783.9</b>
Residual.....	4.6	.6	5.3	-8.2	.9	2.8	-6
<b>Addenda:</b>							
Motor vehicle output.....	315.9	356.5	347.2	375.7	362.4	360.8	357.7
Gross domestic product less motor vehicle output.....	8,896.6	9,085.0	9,045.9	9,113.8	9,157.8	9,192.8	9,272.4

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. 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 1.5. Relation of Gross Domestic Product, Gross Domestic Purchases, and Final Sales to Domestic Purchasers**  
[Billions of dollars]

<b>Gross domestic product</b> .....	<b>10,082.2</b>	<b>10,446.2</b>	<b>10,376.9</b>	<b>10,506.2</b>	<b>10,588.8</b>	<b>10,688.4</b>	<b>10,802.7</b>
Less: Exports of goods and services.....	1,034.1	1,014.9	1,018.1	1,038.6	1,025.4	1,031.8	1,031.5
Plus: Imports of goods and services.....	1,383.0	1,438.5	1,443.7	1,471.5	1,501.4	1,519.0	1,536.1
<b>Equals: Gross domestic purchases</b> .....	<b>10,431.0</b>	<b>10,869.9</b>	<b>10,802.4</b>	<b>10,939.1</b>	<b>11,064.8</b>	<b>11,175.6</b>	<b>11,307.3</b>
Less: Change in private inventories.....	-60.3	3.9	3.4	17.6	24.5	.4	-18.5
<b>Equals: Final sales to domestic purchasers</b> .....	<b>10,491.4</b>	<b>10,866.0</b>	<b>10,799.0</b>	<b>10,921.5</b>	<b>11,040.3</b>	<b>11,175.2</b>	<b>11,325.8</b>

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

**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]

<b>Gross domestic product</b> .....	<b>9,214.5</b>	<b>9,439.9</b>	<b>9,392.4</b>	<b>9,485.6</b>	<b>9,518.2</b>	<b>9,552.0</b>	<b>9,629.4</b>
Less: Exports of goods and services.....	1,076.1	1,058.8	1,065.5	1,077.7	1,061.6	1,058.1	1,055.5
Plus: Imports of goods and services.....	1,492.0	1,547.4	1,552.9	1,565.7	1,593.8	1,568.4	1,601.7
<b>Equals: Gross domestic purchases</b> .....	<b>9,600.7</b>	<b>9,889.8</b>	<b>9,840.8</b>	<b>9,934.7</b>	<b>10,005.5</b>	<b>10,020.7</b>	<b>10,129.4</b>
Less: Change in private inventories.....	-61.4	5.2	4.9	18.8	25.8	4.8	-17.6
<b>Equals: Final sales to domestic purchasers</b> .....	<b>9,644.9</b>	<b>9,874.1</b>	<b>9,826.0</b>	<b>9,906.1</b>	<b>9,970.1</b>	<b>10,004.7</b>	<b>10,131.0</b>

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 1.7. Gross Domestic Product by Sector**  
[Billions of dollars]

<b>Gross domestic product</b> .....	<b>10,082.2</b>	<b>10,446.2</b>	<b>10,376.9</b>	<b>10,506.2</b>	<b>10,588.8</b>	<b>10,688.4</b>	<b>10,802.7</b>
<b>Business</b> <sup>1</sup> .....	<b>8,482.7</b>	<b>8,759.1</b>	<b>8,700.1</b>	<b>8,808.6</b>	<b>8,871.4</b>	<b>8,938.0</b>	<b>9,040.5</b>
Nonfarm <sup>2</sup> .....	8,402.1	8,680.2	8,631.5	8,731.3	8,790.3	8,852.2	8,953.5
Nonfarm less housing.....	7,571.1	7,814.4	7,757.5	7,862.0	7,925.2	7,980.7	8,091.2
Housing.....	831.1	865.8	874.1	869.2	865.1	871.5	862.2
Farm.....	80.6	78.9	68.6	77.4	81.1	85.8	87.0
<b>Households and institutions</b> .....	<b>459.6</b>	<b>486.1</b>	<b>481.4</b>	<b>490.5</b>	<b>499.9</b>	<b>508.7</b>	<b>510.8</b>
Private households.....	11.9	10.8	10.7	10.8	11.0	11.2	11.5
Nonprofit institutions.....	447.7	475.3	470.8	479.7	488.9	497.5	499.3
<b>General government</b> <sup>3</sup> .....	<b>1,139.8</b>	<b>1,201.1</b>	<b>1,195.3</b>	<b>1,207.1</b>	<b>1,217.4</b>	<b>1,241.7</b>	<b>1,251.4</b>
Federal.....	332.8	355.6	354.1	357.7	360.5	378.6	384.5
State and local.....	807.0	845.5	841.3	849.3	857.0	863.1	866.9

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 1.8. Real Gross Domestic Product by Sector**  
[Billions of chained (1996) dollars]

<b>Gross domestic product</b> .....	<b>9,214.5</b>	<b>9,439.9</b>	<b>9,392.4</b>	<b>9,485.6</b>	<b>9,518.2</b>	<b>9,552.0</b>	<b>9,629.4</b>
<b>Business</b> <sup>1</sup> .....	<b>7,838.3</b>	<b>8,032.8</b>	<b>7,989.2</b>	<b>8,075.1</b>	<b>8,099.8</b>	<b>8,127.2</b>	<b>8,201.4</b>
Nonfarm <sup>2</sup> .....	7,724.7	7,917.7	7,876.8	7,961.0	7,983.9	8,010.7	8,086.7
Nonfarm less housing.....	7,012.9	7,208.9	7,157.0	7,252.6	7,285.5	7,311.9	7,399.2
Housing.....	712.6	711.7	721.0	711.7	703.2	703.8	694.7
Farm.....	114.3	114.7	110.8	112.9	115.5	116.2	113.0
<b>Households and institutions</b> .....	<b>398.7</b>	<b>407.7</b>	<b>406.4</b>	<b>409.0</b>	<b>411.8</b>	<b>414.0</b>	<b>415.3</b>
Private households.....	10.1	8.8	8.8	8.9	9.0	9.1	9.2
Nonprofit institutions.....	388.7	398.9	397.7	400.3	402.9	405.0	406.2
<b>General government</b> <sup>3</sup> .....	<b>978.5</b>	<b>1,000.9</b>	<b>998.1</b>	<b>1,003.2</b>	<b>1,008.1</b>	<b>1,012.2</b>	<b>1,015.0</b>
Federal.....	291.3	297.5	296.0	298.5	301.3	304.7	308.7
State and local.....	687.0	703.1	701.7	704.4	706.5	707.1	705.9
Residual.....	-2.4	-3.7	-6	-3.7	-5.7	-5.8	-7.5

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product</b>	<b>10,082.2</b>	<b>10,446.2</b>	<b>10,376.9</b>	<b>10,506.2</b>	<b>10,588.8</b>	<b>10,688.4</b>	<b>10,802.7</b>
Plus: Income receipts from the rest of the world	316.9	278.0	276.0	287.3	284.2	281.3	282.4
Less: Income payments to the rest of the world	295.0	287.6	296.1	298.2	293.4	291.5	286.0
<b>Equals: Gross national product</b>	<b>10,104.1</b>	<b>10,436.7</b>	<b>10,356.8</b>	<b>10,495.3</b>	<b>10,579.7</b>	<b>10,678.2</b>	<b>10,799.1</b>
Less: Consumption of fixed capital	1,329.3	1,393.5	1,389.8	1,405.3	1,415.4	1,421.4	1,418.4
Private	1,106.8	1,163.9	1,161.2	1,174.8	1,182.7	1,185.9	1,180.9
Capital consumption allowances	1,168.4	1,320.0	1,322.0	1,317.9	1,315.9	1,323.5	1,419.2
Less: Capital consumption adjustment	61.6	156.1	160.8	143.1	133.3	137.6	238.3
Government	222.4	229.6	228.6	230.5	232.7	235.5	237.5
General government	187.7	195.0	194.1	195.7	197.6	200.0	201.7
Government enterprises	34.8	34.6	34.4	34.8	35.1	35.5	35.8
<b>Equals: Net national product</b>	<b>8,774.8</b>	<b>9,043.2</b>	<b>8,967.0</b>	<b>9,090.0</b>	<b>9,164.3</b>	<b>9,256.8</b>	<b>9,380.6</b>
Less: Indirect business tax and nontax liability	774.8	800.4	795.1	806.9	813.3	821.7	833.6
Business transfer payments	42.5	44.1	43.9	44.4	44.3	44.9	44.8
Statistical discrepancy	-117.3	-108.8	-165.0	-82.1	-78.2	-74.6	-69.8
Plus: Subsidies less current surplus of government enterprises	47.3	32.5	35.1	29.1	29.0	30.7	45.9
<b>Equals: National income</b>	<b>8,122.0</b>	<b>8,340.1</b>	<b>8,328.0</b>	<b>8,349.9</b>	<b>8,413.9</b>	<b>8,495.5</b>	<b>8,618.0</b>
Less: Corporate profits with inventory valuation and capital consumption adjustments	731.6	787.4	785.0	771.0	796.1	816.5	897.1
Net interest	649.8	684.2	678.1	687.6	698.3	703.3	706.6
Contributions for social insurance	726.1	746.5	746.1	748.8	750.9	762.0	765.8
Wage accruals less disbursements	.0	.0	.0	.0	.0	1.4	-1.4
Plus: Personal interest income	1,091.3	1,078.5	1,082.3	1,080.7	1,080.9	1,075.8	1,081.5
Personal dividend income	409.2	433.8	430.3	437.3	443.8	451.2	459.0
Government transfer payments to persons	1,137.0	1,252.9	1,247.7	1,263.1	1,283.5	1,304.9	1,329.3
Business transfer payments to persons	33.4	35.1	34.9	35.3	35.6	35.9	36.3
<b>Equals: Personal income</b>	<b>8,685.3</b>	<b>8,922.2</b>	<b>8,914.0</b>	<b>8,958.9</b>	<b>9,012.5</b>	<b>9,080.2</b>	<b>9,156.0</b>
Addenda:							
Gross domestic income	10,199.4	10,555.1	10,541.8	10,588.3	10,667.0	10,763.0	10,872.5
Gross national income	10,221.4	10,545.5	10,521.8	10,577.4	10,657.9	10,752.8	10,868.9
Net domestic product	8,752.9	9,052.8	8,987.0	9,101.0	9,173.4	9,267.0	9,384.3

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

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product</b>	<b>9,214.5</b>	<b>9,439.9</b>	<b>9,392.4</b>	<b>9,485.6</b>	<b>9,518.2</b>	<b>9,552.0</b>	<b>9,629.4</b>
Plus: Income receipts from the rest of the world	292.0	253.3	251.8	261.3	257.5	252.5	253.4
Less: Income payments to the rest of the world	269.2	260.3	268.2	269.5	264.2	260.4	255.4
<b>Equals: Gross national product</b>	<b>9,237.3</b>	<b>9,433.5</b>	<b>9,376.7</b>	<b>9,477.9</b>	<b>9,512.1</b>	<b>9,544.7</b>	<b>9,628.0</b>
Less: Consumption of fixed capital	1,320.8	1,399.9	1,390.9	1,417.0	1,433.7	1,448.7	1,464.8
Private	1,110.7	1,184.5	1,176.2	1,200.9	1,216.0	1,229.4	1,243.9
Government	210.9	216.6	215.8	217.5	219.1	220.8	222.5
General government	179.2	185.4	184.7	186.1	187.5	189.1	190.6
Government enterprises	31.7	31.2	31.1	31.3	31.6	31.7	31.9
<b>Equals: Net national product</b>	<b>7,928.1</b>	<b>8,049.7</b>	<b>8,001.6</b>	<b>8,078.2</b>	<b>8,097.2</b>	<b>8,116.2</b>	<b>8,184.1</b>
Addenda:							
Gross domestic income <sup>1</sup>	9,321.7	9,538.3	9,541.7	9,559.7	9,588.5	9,618.7	9,691.7
Gross national income <sup>2</sup>	9,344.5	9,532.0	9,526.0	9,552.1	9,582.4	9,611.4	9,690.3
Net domestic product	7,905.4	8,055.8	8,017.0	8,085.5	8,103.0	8,123.2	8,185.3

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]

	2001	2002	2002	2002	2002	2003	2003
			II	III	IV	I	II
<b>Gross national product</b>	<b>9,237.3</b>	<b>9,433.5</b>	<b>9,376.7</b>	<b>9,477.9</b>	<b>9,512.1</b>	<b>9,544.7</b>	<b>9,628.0</b>
Less: Exports of goods and services and income receipts from the rest of the world	1,366.5	1,307.1	1,311.9	1,334.2	1,314.4	1,305.5	1,304.0
Plus: Command-basis exports of goods and services and income receipts from the rest of the world <sup>1</sup>	1,410.0	1,344.4	1,345.6	1,365.6	1,345.4	1,316.2	1,327.9
<b>Equals: Command-basis gross national product</b>	<b>9,280.9</b>	<b>9,470.8</b>	<b>9,410.3</b>	<b>9,509.3</b>	<b>9,543.1</b>	<b>9,555.4</b>	<b>9,651.9</b>
Addendum:							
Terms of trade <sup>2</sup>	103.2	102.8	102.6	102.4	102.4	100.8	101.8

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>National income</b> .....	<b>8,122.0</b>	<b>8,340.1</b>	<b>8,328.0</b>	<b>8,349.9</b>	<b>8,413.9</b>	<b>8,495.5</b>	<b>8,618.0</b>
<b>Compensation of employees</b> .....	<b>5,874.9</b>	<b>5,969.5</b>	<b>5,963.9</b>	<b>5,988.4</b>	<b>6,017.4</b>	<b>6,064.5</b>	<b>6,094.5</b>
Wage and salary accruals .....	4,950.6	4,996.4	4,997.3	5,007.4	5,023.1	5,055.2	5,077.8
Government .....	810.8	852.8	848.4	857.1	865.4	882.4	888.9
Other .....	4,139.8	4,143.6	4,148.9	4,150.3	4,157.7	4,172.8	4,188.9
Supplements to wages and salaries .....	924.3	973.1	966.6	981.0	994.3	1,009.2	1,016.8
Employer contributions for social insurance .....	353.9	362.5	362.5	363.5	364.1	370.1	371.8
Other labor income .....	570.4	610.6	604.1	617.5	630.2	639.2	645.0
<b>Proprietors' income with inventory valuation and capital consumption adjustments</b> .....	<b>727.9</b>	<b>756.5</b>	<b>747.5</b>	<b>758.7</b>	<b>771.6</b>	<b>784.4</b>	<b>804.5</b>
Farm .....	19.0	12.9	7.5	10.7	11.7	14.2	15.4
Proprietors' income with inventory valuation adjustment .....	26.7	21.6	16.1	19.6	20.8	23.5	24.5
Capital consumption adjustment .....	-7.7	-8.7	-8.7	-8.9	-9.1	-9.3	-9.1
Nonfarm .....	708.8	743.7	740.0	748.0	759.9	770.2	789.1
Proprietors' income .....	621.6	630.1	626.9	635.0	646.1	657.7	656.4
Inventory valuation adjustment .....	.9	-1.0	-1.1	-1.7	-1.7	-3.8	.5
Capital consumption adjustment .....	86.3	114.5	114.2	114.6	114.7	116.2	132.3
<b>Rental income of persons with capital consumption adjustment</b> .....	<b>137.9</b>	<b>142.4</b>	<b>153.5</b>	<b>144.1</b>	<b>130.6</b>	<b>126.9</b>	<b>115.3</b>
Rental income of persons .....	204.4	212.0	221.9	214.5	202.6	201.8	190.0
Capital consumption adjustment .....	-66.5	-69.6	-68.4	-70.3	-72.1	-74.9	-74.7
<b>Corporate profits with inventory valuation and capital consumption adjustments</b> .....	<b>731.6</b>	<b>787.4</b>	<b>785.0</b>	<b>771.0</b>	<b>796.1</b>	<b>816.5</b>	<b>897.1</b>
Corporate profits with inventory valuation adjustment .....	675.1	658.3	652.2	653.4	686.4	701.2	698.1
Profits before tax .....	670.2	665.2	657.9	668.5	694.9	728.1	700.2
Profits tax liability .....	199.3	213.3	213.7	214.7	222.4	237.8	234.3
Profits after tax .....	470.9	451.9	444.3	453.8	472.5	490.2	465.9
Dividends .....	409.6	434.3	430.8	437.7	444.3	451.6	459.5
Undistributed profits .....	61.2	17.6	13.5	16.1	28.2	38.6	6.4
Inventory valuation adjustment .....	5.0	-6.9	-5.7	-15.1	-8.5	-26.9	-2.2
Capital consumption adjustment .....	56.5	129.1	132.8	117.6	109.7	115.3	199.0
<b>Net interest</b> .....	<b>649.8</b>	<b>684.2</b>	<b>678.1</b>	<b>687.6</b>	<b>698.3</b>	<b>703.3</b>	<b>706.6</b>
<b>Addenda:</b>							
Corporate profits after tax with inventory valuation and capital consumption adjustments .....	532.3	574.1	571.3	556.3	573.7	578.6	662.7
Net cash flow with inventory valuation and capital consumption adjustments .....	911.8	967.3	966.7	954.7	968.7	964.7	1,035.5
Undistributed profits with inventory valuation and capital consumption adjustments .....	122.7	139.9	140.5	118.6	129.4	127.0	203.2
Consumption of fixed capital .....	789.1	827.5	826.1	836.1	839.3	837.6	832.2
Less: Inventory valuation adjustment .....	5.0	-6.9	-5.7	-15.1	-8.5	-26.9	-2.2
<b>Equals: Net cash flow</b> .....	<b>906.8</b>	<b>974.2</b>	<b>972.4</b>	<b>969.8</b>	<b>977.2</b>	<b>991.5</b>	<b>1,037.6</b>

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

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
Billions of dollars							
<b>Gross product of corporate business</b> .....	<b>6,117.5</b>	<b>6,323.4</b>	<b>6,320.3</b>	<b>6,335.7</b>	<b>6,388.4</b>	<b>6,441.4</b>	<b>6,528.6</b>
Consumption of fixed capital ..	789.1	827.5	826.1	836.1	839.3	837.6	832.2
Net product .....	5,328.4	5,495.9	5,494.1	5,499.6	5,549.1	5,603.7	5,696.3
Indirect business tax and nontax liability plus business transfer payments less subsidies ..	565.7	592.6	588.8	598.0	601.2	606.0	602.9
Domestic income .....	4,762.7	4,903.4	4,905.3	4,901.6	4,947.8	4,997.8	5,093.5
Compensation of employees .....	3,945.6	3,980.2	3,979.5	3,991.2	4,008.2	4,030.8	4,048.0
Wage and salary accruals .....	3,378.6	3,382.0	3,386.5	3,387.3	3,393.7	3,406.0	3,418.9
Supplements to wages and salaries .....	567.0	598.1	593.1	603.9	614.6	624.7	629.1
Corporate profits with inventory valuation and capital consumption adjustments .....	580.9	668.1	669.9	654.9	682.0	710.0	788.9
Profits before tax .....	519.4	545.9	542.9	552.4	580.8	621.6	592.1
Profits tax liability .....	199.3	213.3	213.7	214.7	222.4	237.8	234.3
Profits after tax .....	320.1	332.6	329.2	337.7	358.4	383.7	357.7
Dividends .....	383.1	392.9	385.1	379.2	404.4	412.5	419.0
Undistributed profits .....	-63.0	-60.3	-56.0	-41.5	-46.0	-28.7	-61.3
Inventory valuation adjustment .....	5.0	-6.9	-5.7	-15.1	-8.5	-26.9	-2.2
Capital consumption adjustment .....	56.5	129.1	132.8	117.6	109.7	115.3	199.0
Net interest .....	236.3	255.1	255.8	255.4	257.6	257.0	256.6
<b>Gross product of financial corporate business</b> .....	<b>763.3</b>	<b>830.3</b>	<b>831.3</b>	<b>830.9</b>	<b>833.6</b>	<b>851.0</b>	<b>859.9</b>
<b>Gross product of nonfinancial corporate business</b> .....	<b>5,354.2</b>	<b>5,493.1</b>	<b>5,489.0</b>	<b>5,504.8</b>	<b>5,554.7</b>	<b>5,590.4</b>	<b>5,668.7</b>
Consumption of fixed capital ..	652.8	686.6	685.1	693.7	696.7	696.2	692.3
Net product .....	4,701.4	4,806.5	4,803.8	4,811.1	4,858.0	4,894.2	4,976.4
Indirect business tax and nontax liability plus business transfer payments less subsidies ..	523.7	549.1	545.6	554.2	557.2	561.3	557.7
Domestic income .....	4,177.7	4,257.5	4,258.2	4,256.9	4,300.8	4,333.0	4,418.7
Compensation of employees .....	3,573.5	3,605.0	3,604.4	3,615.0	3,630.5	3,650.9	3,666.6
Wage and salary accruals .....	3,056.4	3,059.5	3,063.5	3,064.3	3,070.1	3,081.3	3,092.9
Supplements to wages and salaries .....	517.1	545.5	540.8	550.7	560.4	569.7	573.7
Corporate profits with inventory valuation and capital consumption adjustments .....	407.4	458.4	459.3	447.6	474.4	486.5	557.0
Profits before tax .....	328.8	328.6	324.4	336.3	364.4	391.3	365.5
Profits tax liability .....	123.5	131.5	130.8	133.4	142.2	153.4	150.6
Profits after tax .....	205.3	197.0	193.6	202.9	222.1	237.9	214.9
Dividends .....	278.5	285.8	280.2	275.9	294.2	300.1	304.9
Undistributed profits .....	-73.2	-88.8	-86.6	-73.0	-72.1	-62.2	-90.0
Inventory valuation adjustment .....	5.0	-6.9	-5.7	-15.1	-8.5	-26.9	-2.2
Capital consumption adjustment .....	73.6	136.7	140.6	126.4	118.6	122.1	193.7
Net interest .....	196.8	194.1	194.6	194.3	195.9	195.5	195.2
Billions of chained (1996) dollars							
<b>Gross product of nonfinancial corporate business</b> .....	<b>5,141.8</b>	<b>5,301.9</b>	<b>5,298.7</b>	<b>5,320.7</b>	<b>5,357.1</b>	<b>5,382.1</b>	<b>5,464.9</b>
Consumption of fixed capital <sup>2</sup> ..	671.9	720.8	715.4	731.4	741.1	749.9	759.7
Net product <sup>3</sup> .....	4,469.9	4,581.2	4,583.3	4,589.4	4,615.9	4,632.2	4,705.2

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.



2. Personal Income and Outlays

**Table 2.1. Personal Income and Its Disposition**  
[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Personal income</b> .....	<b>8,685.3</b>	<b>8,922.2</b>	<b>8,914.0</b>	<b>8,958.9</b>	<b>9,012.5</b>	<b>9,080.2</b>	<b>9,156.0</b>
<b>Wage and salary disbursements</b> .....	<b>4,950.6</b>	<b>4,996.4</b>	<b>4,997.3</b>	<b>5,007.4</b>	<b>5,023.1</b>	<b>5,053.8</b>	<b>5,079.2</b>
Private industries .....	4,139.8	4,143.6	4,148.9	4,150.3	4,157.7	4,172.8	4,188.9
Goods-producing industries .....	1,142.4	1,115.7	1,121.3	1,115.2	1,109.3	1,106.2	1,109.0
Manufacturing .....	789.4	758.7	765.3	757.9	752.0	750.6	747.4
Distributive industries .....	1,109.2	1,114.4	1,115.3	1,117.8	1,114.6	1,121.8	1,124.5
Service industries .....	1,888.2	1,913.5	1,912.4	1,917.3	1,933.9	1,944.8	1,955.4
Government .....	810.8	852.8	848.4	857.1	865.4	881.0	890.3
<b>Other labor income</b> .....	<b>570.4</b>	<b>610.6</b>	<b>604.1</b>	<b>617.5</b>	<b>630.2</b>	<b>639.2</b>	<b>645.0</b>
<b>Proprietors' income with inventory valuation and capital consumption adjustments</b> .....	<b>727.9</b>	<b>756.5</b>	<b>747.5</b>	<b>758.7</b>	<b>771.6</b>	<b>784.4</b>	<b>804.5</b>
Farm .....	19.0	12.9	7.5	10.7	11.7	14.2	15.4
Nonfarm .....	708.8	743.7	740.0	748.0	759.9	770.2	789.1
<b>Rental income of persons with capital consumption adjustment</b> .....	<b>137.9</b>	<b>142.4</b>	<b>153.5</b>	<b>144.1</b>	<b>130.6</b>	<b>126.9</b>	<b>115.3</b>
<b>Personal dividend income</b> .....	<b>409.2</b>	<b>433.8</b>	<b>430.3</b>	<b>437.3</b>	<b>443.8</b>	<b>451.2</b>	<b>459.0</b>
<b>Personal interest income</b> .....	<b>1,091.3</b>	<b>1,078.5</b>	<b>1,082.3</b>	<b>1,080.7</b>	<b>1,080.9</b>	<b>1,075.8</b>	<b>1,081.5</b>
<b>Transfer payments to persons</b> .....	<b>1,170.4</b>	<b>1,288.0</b>	<b>1,282.6</b>	<b>1,298.4</b>	<b>1,319.1</b>	<b>1,340.8</b>	<b>1,365.6</b>
Old-age, survivors, disability, and health insurance benefits .....	664.3	699.8	696.3	701.9	710.8	722.6	735.1
Government unemployment insurance benefits .....	31.9	62.9	67.3	67.6	64.2	62.0	66.0
Veterans benefits .....	26.7	29.6	29.3	30.0	30.5	31.2	31.9
Other transfer payments .....	447.6	495.8	489.8	498.9	513.6	525.0	532.5
Family assistance <sup>1</sup> .....	19.2	19.3	19.3	19.3	19.4	19.4	19.5
Other .....	428.3	476.5	470.4	479.6	494.2	505.6	513.0
<b>Less: Personal contributions for social insurance</b> .....	<b>372.3</b>	<b>384.0</b>	<b>383.6</b>	<b>385.3</b>	<b>386.8</b>	<b>391.9</b>	<b>394.0</b>
<b>Less: Personal tax and nontax payments</b> .....	<b>1,292.1</b>	<b>1,111.9</b>	<b>1,121.8</b>	<b>1,099.0</b>	<b>1,090.1</b>	<b>1,073.6</b>	<b>1,082.6</b>
<b>Equals: Disposable personal income</b> .....	<b>7,393.2</b>	<b>7,810.3</b>	<b>7,792.2</b>	<b>7,859.9</b>	<b>7,922.5</b>	<b>8,006.6</b>	<b>8,073.4</b>
<b>Less: Personal outlays</b> .....	<b>7,223.5</b>	<b>7,524.5</b>	<b>7,477.9</b>	<b>7,583.0</b>	<b>7,640.7</b>	<b>7,727.6</b>	<b>7,813.7</b>
Personal consumption expenditures .....	6,987.0	7,303.7	7,254.7	7,360.7	7,425.4	7,512.5	7,598.6
Interest paid by persons .....	205.4	188.4	191.3	189.3	182.5	181.7	181.9
Personal transfer payments to the rest of the world (net) .....	31.1	32.3	31.9	32.9	32.8	33.4	33.2
<b>Equals: Personal saving</b> .....	<b>169.7</b>	<b>285.8</b>	<b>314.3</b>	<b>276.9</b>	<b>281.8</b>	<b>278.9</b>	<b>259.7</b>
<b>Addenda:</b>							
Disposable personal income: Total, billions of chained (1996) dollars <sup>2</sup> .....	6,748.0	7,032.2	7,027.2	7,058.1	7,082.3	7,109.6	7,154.7
Per capita:							
Current dollars .....	25,957	27,170	27,144	27,313	27,463	27,694	27,855
Chained (1996) dollars .....	23,692	24,463	24,479	24,527	24,551	24,591	24,685
Population (mid-period, millions) .....	284.8	287.5	287.1	287.8	288.5	289.1	289.8
<b>Personal saving as a percentage of disposable personal income</b> .....	<b>2.3</b>	<b>3.7</b>	<b>4.0</b>	<b>3.5</b>	<b>3.6</b>	<b>3.5</b>	<b>3.2</b>

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Personal consumption expenditures</b> .....	<b>6,987.0</b>	<b>7,303.7</b>	<b>7,254.7</b>	<b>7,360.7</b>	<b>7,425.4</b>	<b>7,512.5</b>	<b>7,598.6</b>
<b>Durable goods</b> .....	<b>835.9</b>	<b>871.9</b>	<b>856.9</b>	<b>897.8</b>	<b>873.9</b>	<b>861.2</b>	<b>900.5</b>
Motor vehicles and parts .....	361.3	376.1	362.1	400.7	375.9	366.5	392.2
Furniture and household equipment .....	306.1	318.7	319.1	319.2	319.4	314.9	321.8
Other .....	168.4	177.1	175.8	177.9	178.6	179.8	186.5
<b>Nondurable goods</b> .....	<b>2,041.3</b>	<b>2,115.0</b>	<b>2,108.2</b>	<b>2,116.9</b>	<b>2,150.0</b>	<b>2,206.8</b>	<b>2,203.3</b>
Food .....	992.4	1,029.4	1,023.9	1,024.8	1,043.9	1,070.1	1,078.4
Clothing and shoes .....	315.3	324.3	323.9	321.0	326.6	324.5	326.1
Gasoline, fuel oil, and other energy goods .....	178.6	173.5	174.7	178.2	184.7	211.1	193.8
Gasoline and oil .....	162.1	158.5	160.7	163.5	167.4	191.4	178.8
Fuel oil and coal .....	16.5	15.0	14.0	14.7	17.3	19.7	17.0
Other .....	555.0	587.8	585.6	592.9	594.8	601.1	605.1
<b>Services</b> .....	<b>4,109.9</b>	<b>4,316.8</b>	<b>4,289.5</b>	<b>4,346.0</b>	<b>4,401.5</b>	<b>4,444.6</b>	<b>4,494.8</b>
Housing .....	1,014.5	1,071.5	1,066.0	1,078.0	1,090.1	1,101.9	1,110.9
Household operation .....	406.3	405.2	400.9	406.3	414.2	422.4	422.3
Electricity and gas .....	154.5	148.2	144.9	147.4	156.5	162.1	161.1
Other household operation .....	251.8	257.0	256.1	258.9	257.7	260.4	261.2
Transportation .....	271.4	275.8	275.6	276.1	278.3	278.0	277.8
Medical care .....	1,072.2	1,148.5	1,139.3	1,158.8	1,176.9	1,192.0	1,213.8
Recreation .....	271.9	285.1	283.8	285.9	291.8	292.7	297.2
Other .....	1,073.6	1,130.7	1,123.8	1,140.9	1,150.2	1,157.5	1,172.8
<b>Addenda:</b>							
Energy goods and services <sup>1</sup> .....	333.0	321.6	319.6	325.6	341.1	373.1	354.9
Personal consumption expenditures less food and energy .....	5,661.6	5,952.7	5,911.1	6,010.3	6,040.3	6,069.3	6,165.4

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]

	2001	2002	2002	2002	2002	2003	2003
<b>Personal consumption expenditures</b> .....	<b>6,377.2</b>	<b>6,576.0</b>	<b>6,542.4</b>	<b>6,609.9</b>	<b>6,637.9</b>	<b>6,670.9</b>	<b>6,733.9</b>
<b>Durable goods</b> .....	<b>931.9</b>	<b>999.9</b>	<b>980.7</b>	<b>1,032.4</b>	<b>1,010.6</b>	<b>1,005.4</b>	<b>1,061.5</b>
Motor vehicles and parts .....	361.9	382.4	369.1	407.6	382.8	374.9	403.0
Furniture and household equipment .....	398.0	438.1	435.2	441.4	447.5	447.8	466.6
Other .....	175.3	185.8	184.1	187.0	188.1	191.3	199.1
<b>Nondurable goods</b> .....	<b>1,869.8</b>	<b>1,929.5</b>	<b>1,920.9</b>	<b>1,925.8</b>	<b>1,950.0</b>	<b>1,978.9</b>	<b>1,985.6</b>
Food .....	887.0	902.3	899.2	897.9	910.7	929.7	931.4
Clothing and shoes .....	337.7	357.0	355.1	355.3	361.8	364.0	369.3
Gasoline, fuel oil, and other energy goods .....	151.2	157.5	156.5	157.5	158.9	159.2	156.9
Gasoline and oil .....	138.8	145.1	144.7	145.4	145.1	146.2	145.2
Fuel oil and coal .....	12.6	12.7	12.1	12.4	14.0	13.3	12.1
Other .....	495.5	515.8	513.1	518.0	521.9	528.9	532.2
<b>Services</b> .....	<b>3,594.9</b>	<b>3,675.6</b>	<b>3,666.2</b>	<b>3,687.0</b>	<b>3,707.0</b>	<b>3,714.9</b>	<b>3,728.0</b>
Housing .....	866.0	880.1	878.5	882.1	885.9	889.9	893.8
Household operation .....	382.6	384.7	382.9	384.7	389.9	388.5	384.0
Electricity and gas .....	134.5	136.4	133.6	135.7	142.8	140.7	134.2
Other household operation .....	248.2	248.4	249.5	249.1	247.0	247.8	250.5
Transportation .....	251.1	250.3	250.3	249.8	250.1	250.1	248.0
Medical care .....	938.3	978.6	974.7	984.4	992.0	1,002.1	1,012.7
Recreation .....	233.2	237.5	237.1	237.1	240.3	238.8	240.9
Other .....	922.7	942.7	941.0	947.0	947.5	943.8	946.3
Residual .....	-23.6	-37.2	-34.9	-40.3	-39.5	-38.4	-51.4
<b>Addenda:</b>							
Energy goods and services <sup>1</sup> .....	285.6	293.9	290.1	293.3	301.6	299.9	291.3
Personal consumption expenditures less food and energy .....	5,204.5	5,380.3	5,353.5	5,419.6	5,426.1	5,441.5	5,512.9

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Current receipts</b> .....	<b>2,992.3</b>	<b>2,872.1</b>	<b>2,876.7</b>	<b>2,869.4</b>	<b>2,876.7</b>	<b>2,895.1</b>	<b>2,916.3</b>
Personal tax and nontax receipts.....	1,292.1	1,111.9	1,121.8	1,099.0	1,090.1	1,073.6	1,082.6
Corporate profits tax accruals.....	199.3	213.3	213.7	214.7	222.4	237.8	234.3
Indirect business tax and nontax accruals.....	774.8	800.4	795.1	806.9	813.3	821.7	833.6
Contributions for social insurance.....	726.1	746.5	746.1	748.8	750.9	762.0	765.8
<b>Current expenditures</b> .....	<b>2,951.6</b>	<b>3,126.2</b>	<b>3,117.4</b>	<b>3,134.6</b>	<b>3,185.6</b>	<b>3,243.0</b>	<b>3,321.4</b>
Consumption expenditures.....	1,522.2	1,621.0	1,611.6	1,629.4	1,659.0	1,698.4	1,732.3
Transfer payments (net).....	1,146.6	1,267.3	1,258.3	1,272.8	1,298.0	1,324.9	1,349.3
To persons.....	1,137.0	1,252.9	1,247.7	1,263.1	1,283.5	1,304.9	1,329.3
To the rest of the world (net).....	9.6	14.4	10.6	9.7	14.5	20.1	20.0
Net interest paid.....	236.0	205.8	212.8	203.8	200.1	190.8	193.1
Interest paid.....	341.1	314.1	319.5	312.2	311.8	303.9	307.0
To persons and business.....	260.4	241.0	244.9	239.4	241.2	236.0	241.5
To the rest of the world.....	80.7	73.0	74.7	72.8	70.7	67.9	65.5
Less: Interest received by government.....	105.1	108.2	106.7	108.4	111.7	113.1	113.9
Less: Dividends received by government.....	.4	.5	.5	.5	.5	.5	.5
Subsidies less current surplus of government enterprises.....	47.3	32.5	35.1	29.1	29.0	30.7	45.9
Subsidies.....	55.3	46.2	46.0	46.6	45.9	49.6	63.9
Less: Current surplus of government enterprises.....	8.0	13.7	11.0	17.5	17.0	18.8	18.1
Less: Wage accruals less disbursements.....	.0	.0	.0	.0	.0	1.4	-1.4
<b>Current surplus or deficit (-), national income and product accounts</b> .....	<b>40.7</b>	<b>-254.1</b>	<b>-240.7</b>	<b>-265.2</b>	<b>-309.0</b>	<b>-347.9</b>	<b>-405.1</b>
Social insurance funds.....	93.2	51.9	49.6	48.0	45.9	49.3	38.1
Other.....	-52.5	-306.0	-290.3	-313.2	-354.9	-397.2	-443.2
<b>Addenda:</b>							
Net lending or net borrowing (-).....	-46.9	-354.5	-341.3	-362.1	-409.2	-443.7	-511.7
Current surplus or deficit (-), national income and product accounts.....	40.7	-254.1	-240.7	-265.2	-309.0	-347.9	-405.1
Plus: Consumption of fixed capital.....	222.4	229.6	228.6	230.5	232.7	235.5	237.5
Plus: Capital transfers received (net).....	35.4	32.9	29.7	35.7	30.3	30.6	26.0
Less: Gross investment.....	335.8	351.9	348.2	351.7	352.2	353.6	360.0
Less: Net purchases of nonproduced assets.....	9.6	11.0	10.6	11.4	11.0	8.3	10.1

**Table 3.2. Federal Government Current Receipts and Expenditures**

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Current receipts</b> .....	<b>2,008.4</b>	<b>1,873.3</b>	<b>1,883.7</b>	<b>1,864.1</b>	<b>1,860.8</b>	<b>1,865.0</b>	<b>1,871.3</b>
Personal tax and nontax receipts .....	1,010.9	845.8	856.6	831.3	820.5	800.7	806.7
Income taxes .....	1,000.3	836.4	847.0	822.3	811.4	791.5	797.4
Nontaxes .....	10.6	9.4	9.6	9.1	9.0	9.2	9.3
Corporate profits tax accruals .....	170.2	179.8	180.2	181.1	187.5	200.7	196.5
Federal Reserve banks .....	27.1	22.2	23.2	22.2	20.6	20.4	20.1
Other .....	143.2	157.6	157.0	158.8	166.9	180.3	176.4
Indirect business tax and nontax accruals .....	110.3	110.6	110.2	112.4	111.5	111.2	111.9
Excise taxes .....	66.3	69.6	69.9	69.8	70.3	69.5	69.0
Customs duties .....	20.6	20.3	19.4	22.4	20.6	20.9	21.0
Nontaxes .....	23.4	20.7	20.9	20.2	20.5	20.8	21.9
Contributions for social insurance .....	716.9	737.1	736.7	739.3	741.4	752.5	756.2
<b>Current expenditures</b> .....	<b>1,936.4</b>	<b>2,075.5</b>	<b>2,079.3</b>	<b>2,074.6</b>	<b>2,117.4</b>	<b>2,145.1</b>	<b>2,261.5</b>
Consumption expenditures .....	528.4	586.5	581.0	589.8	608.9	626.6	664.3
Transfer payments (net) .....	842.2	931.7	927.6	934.1	948.5	970.7	990.9
To persons .....	832.6	917.4	917.0	924.4	934.0	950.7	970.8
To the rest of the world (net) .....	9.6	14.4	10.6	9.7	14.5	20.1	20.0
Grants-in-aid to State and local governments .....	277.4	305.7	309.6	305.0	315.8	313.0	351.4
Net interest paid .....	238.1	207.8	214.9	205.8	202.1	192.7	194.9
Interest paid .....	257.8	228.9	234.6	226.8	225.9	217.5	220.1
To persons and business .....	177.2	155.9	159.9	154.0	155.3	149.7	154.6
To the rest of the world .....	80.7	73.0	74.7	72.8	70.7	67.9	65.5
Less: Interest received by government .....	19.7	21.1	19.7	21.0	23.9	24.9	25.2
Subsidies less current surplus of government enterprises ..	50.3	43.7	46.3	39.9	42.1	43.5	58.6
Subsidies .....	47.5	45.4	45.5	45.0	46.3	49.4	63.5
Less: Current surplus of government enterprises ..	-2.8	1.7	-7	5.0	4.2	6.0	4.9
Less: Wage accruals less disbursements .....	.0	.0	.0	.0	.0	1.4	-1.4
<b>Current surplus or deficit (-), national income and product accounts ..</b>	<b>72.0</b>	<b>-202.1</b>	<b>-195.6</b>	<b>-210.5</b>	<b>-256.6</b>	<b>-280.1</b>	<b>-390.2</b>
Social insurance funds .....	93.3	52.0	49.7	48.1	46.0	49.4	38.2
Other .....	-21.3	-254.1	-245.3	-258.6	-302.6	-329.5	-428.4
<b>Addenda:</b>							
Net lending or net borrowing (-) .....	58.9	-226.7	-223.2	-233.5	-280.6	-295.1	-427.1
Current surplus or deficit (-), national income and product accounts .....	72.0	-202.1	-195.6	-210.5	-256.6	-280.1	-390.2
Plus: Consumption of fixed capital .....	98.7	101.9	101.3	102.2	103.6	104.7	105.8
Plus: Capital transfers received (net) .....	-12.9	-19.1	-21.8	-16.8	-19.5	-13.9	-28.2
Less: Gross investment ...	99.7	107.2	107.1	107.9	108.0	108.6	115.5
Less: Net purchases of nonproduced assets .....	-7	.2	-.1	.6	.1	-2.7	-1.0

**Table 3.3. State and Local Government Current Receipts and Expenditures**

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Current receipts</b> .....	<b>1,261.3</b>	<b>1,304.5</b>	<b>1,302.5</b>	<b>1,310.3</b>	<b>1,331.6</b>	<b>1,343.1</b>	<b>1,396.4</b>
Personal tax and nontax receipts .....	281.2	266.1	265.3	267.7	269.6	272.9	276.0
Income taxes .....	218.7	200.3	199.9	201.4	202.4	204.2	205.7
Nontaxes .....	41.9	45.1	44.7	45.5	46.4	47.7	49.1
Other .....	20.6	20.7	20.7	20.7	20.8	20.9	21.1
Corporate profits tax accruals ..	29.1	33.5	33.5	33.7	34.9	37.2	37.8
Indirect business tax and nontax accruals .....	664.4	689.8	684.9	694.5	701.8	710.4	721.7
Sales taxes .....	321.2	333.5	330.6	337.2	338.6	342.3	346.0
Property taxes .....	257.4	267.8	265.9	268.6	273.2	278.0	282.9
Other .....	85.8	88.5	88.3	88.7	90.0	90.1	92.8
Contributions for social insurance .....	9.2	9.4	9.4	9.4	9.5	9.5	9.6
Federal grants-in-aid .....	277.4	305.7	309.6	305.0	315.8	313.0	351.4
<b>Current expenditures</b> .....	<b>1,292.6</b>	<b>1,356.4</b>	<b>1,347.6</b>	<b>1,365.0</b>	<b>1,384.0</b>	<b>1,410.9</b>	<b>1,411.3</b>
Consumption expenditures .....	993.7	1,034.5	1,030.8	1,039.6	1,050.1	1,071.8	1,068.0
Transfer payments to persons ..	304.4	335.6	330.7	338.7	349.5	354.2	358.4
Net interest paid .....	-2.1	-2.0	-2.0	-2.0	-1.9	-1.8	-1.9
Interest paid .....	83.3	85.2	84.9	85.4	85.9	86.4	86.9
Less: Interest received by government .....	85.4	87.1	87.0	87.4	87.8	88.2	88.8
Less: Dividends received by government .....	.4	.5	.5	.5	.5	.5	.5
Subsidies less current surplus of government enterprises ..	-3.1	-11.2	-11.2	-10.8	-13.2	-12.7	-12.7
Subsidies .....	7.8	.8	.5	1.7	-.4	.2	.5
Less: Current surplus of government enterprises ..	10.9	12.0	11.7	12.5	12.8	12.9	13.2
Less: Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
<b>Current surplus or deficit (-), national income and product accounts ..</b>	<b>-31.3</b>	<b>-52.0</b>	<b>-45.1</b>	<b>-54.7</b>	<b>-52.4</b>	<b>-67.9</b>	<b>-14.9</b>
Social insurance funds .....	-1	-1	-1	-1	-1	-1	-1
Other .....	-31.2	-51.9	-44.9	-54.6	-52.3	-67.7	-14.8
<b>Addenda:</b>							
Net lending or net borrowing (-) .....	-105.8	-127.8	-118.1	-128.5	-128.6	-148.5	-84.6
Current surplus or deficit (-), national income and product accounts .....	-31.3	-52.0	-45.1	-54.7	-52.4	-67.9	-14.9
Plus: Consumption of fixed capital .....	123.7	127.7	127.3	128.3	129.1	130.8	131.6
Plus: Capital transfers received (net) .....	48.3	52.0	51.5	52.5	49.8	44.5	54.2
Less: Gross investment ...	236.2	244.7	241.1	243.8	244.2	245.0	244.5
Less: Net purchases of nonproduced assets .....	10.3	10.8	10.7	10.9	10.9	11.0	11.1

**Table 3.7. Government Consumption Expenditures and Gross Investment by Type**

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Government consumption expenditures and gross investment<sup>1</sup></b>	<b>1,858.0</b>	<b>1,972.9</b>	<b>1,959.8</b>	<b>1,981.1</b>	<b>2,011.3</b>	<b>2,052.0</b>	<b>2,092.2</b>
<b>Federal</b>	<b>628.1</b>	<b>693.7</b>	<b>688.2</b>	<b>697.7</b>	<b>716.9</b>	<b>735.2</b>	<b>779.8</b>
<b>National defense</b>	<b>399.9</b>	<b>447.4</b>	<b>442.1</b>	<b>451.2</b>	<b>464.7</b>	<b>471.1</b>	<b>518.6</b>
Consumption	344.5	386.6	382.5	388.9	403.2	408.7	451.7
Durable goods <sup>2</sup>	24.2	25.3	24.9	26.3	25.2	24.7	29.0
Nondurable goods	10.5	11.5	11.7	12.0	11.4	12.2	11.9
Services	309.8	349.9	345.9	350.6	366.6	371.8	410.8
Compensation of general government employees, except own-account investment <sup>3</sup>	143.7	154.4	155.0	155.8	153.9	165.1	169.5
Consumption of general government fixed capital <sup>4</sup>	63.5	64.2	64.0	64.3	64.9	65.2	65.6
Other services	102.5	131.3	127.0	130.5	147.7	141.5	175.8
Gross investment	55.5	60.8	59.6	62.4	61.5	62.4	67.0
Structures	5.4	5.3	5.4	5.4	5.3	5.5	5.9
Equipment and software	50.0	55.5	54.2	57.0	56.3	56.9	61.0
<b>Nondefense</b>	<b>228.2</b>	<b>246.3</b>	<b>246.1</b>	<b>246.5</b>	<b>252.2</b>	<b>264.1</b>	<b>261.1</b>
Consumption	184.0	199.9	198.6	200.9	205.8	217.9	212.6
Durable goods <sup>2</sup>	1.3	1.4	1.4	1.4	1.6	1.5	1.2
Nondurable goods	8.7	9.4	10.1	9.4	9.4	8.9	9.9
Commodity Credit Corporation inventory change	.8	-.2	.3	-.2	-.4	-.5	-.6
Other nondurables	7.9	9.6	9.8	9.6	10.1	9.3	10.4
Services	174.0	189.1	187.1	190.1	194.7	207.5	201.5
Compensation of general government employees, except own-account investment <sup>3</sup>	95.2	104.3	102.7	104.6	108.0	113.8	114.3
Consumption of general government fixed capital <sup>4</sup>	28.7	30.8	30.5	31.0	31.6	32.3	33.0
Other services	50.1	54.0	53.9	54.5	55.1	61.3	54.2
Gross investment	44.2	46.4	47.5	45.5	46.5	46.2	48.5
Structures	10.4	12.3	12.1	11.3	12.6	12.0	12.5
Equipment and software	33.8	34.1	35.4	34.3	33.8	34.1	36.1
<b>State and local</b>	<b>1,229.9</b>	<b>1,279.2</b>	<b>1,271.6</b>	<b>1,283.3</b>	<b>1,294.4</b>	<b>1,316.8</b>	<b>1,312.5</b>
Consumption expenditures	993.7	1,034.5	1,030.6	1,039.6	1,050.1	1,071.8	1,068.0
Durable goods <sup>2</sup>	18.3	19.4	19.3	19.5	19.7	20.0	20.2
Nondurable goods	118.7	121.1	120.2	122.6	126.3	139.7	131.7
Services	856.7	894.0	891.1	897.5	904.1	912.1	916.1
Compensation of general government employees, except own-account investment <sup>3</sup>	700.4	733.8	730.1	737.1	744.0	748.6	751.7
Consumption of general government fixed capital <sup>4</sup>	95.4	100.0	99.6	100.4	101.1	102.5	103.1
Other services	60.9	60.3	61.3	59.9	59.0	61.0	61.2
Gross investment	236.2	244.7	241.1	243.8	244.2	245.0	244.5
Structures	177.6	188.2	184.4	187.4	188.6	189.8	189.5
Equipment and software	58.6	56.5	56.6	56.4	55.6	55.2	55.0
<b>Addenda:</b>							
Compensation of general government employees <sup>3</sup>	952.1	1,006.1	1,001.2	1,011.3	1,019.8	1,041.7	1,049.7
Federal	240.5	260.5	259.6	262.5	263.9	281.1	286.0
State and local <sup>5</sup>	711.6	745.5	741.6	748.9	755.8	760.6	763.8

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

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Government consumption expenditures and gross investment<sup>1</sup></b>	<b>1,640.4</b>	<b>1,712.8</b>	<b>1,703.3</b>	<b>1,715.6</b>	<b>1,735.0</b>	<b>1,736.7</b>	<b>1,772.6</b>
<b>Federal</b>	<b>570.6</b>	<b>613.3</b>	<b>608.7</b>	<b>615.1</b>	<b>631.4</b>	<b>632.5</b>	<b>669.5</b>
<b>National defense</b>	<b>366.0</b>	<b>400.0</b>	<b>395.8</b>	<b>402.5</b>	<b>413.2</b>	<b>409.7</b>	<b>450.2</b>
Consumption	308.9	337.0	333.9	338.0	349.4	345.4	380.9
Durable goods <sup>2</sup>	24.3	25.3	24.9	26.4	25.2	24.6	28.9
Nondurable goods	9.9	11.4	11.7	11.6	10.8	10.7	11.0
Services	275.1	300.6	297.6	300.5	313.4	310.0	341.2
Compensation of general government employees, except own-account investment <sup>3</sup>	121.2	123.4	123.8	124.3	123.0	125.5	128.6
Consumption of general government fixed capital <sup>4</sup>	62.4	62.6	62.5	62.6	62.8	63.1	63.4
Other services	91.7	114.9	111.6	113.8	128.2	121.8	150.1
Gross investment	57.3	63.3	62.2	65.0	63.9	64.7	69.4
Structures	4.6	4.4	4.5	4.4	4.3	4.5	4.8
Equipment and software	53.0	59.5	58.2	61.1	60.1	60.7	65.1
<b>Nondefense</b>	<b>204.4</b>	<b>213.3</b>	<b>212.9</b>	<b>212.7</b>	<b>218.3</b>	<b>222.8</b>	<b>219.7</b>
Consumption	161.1	167.8	166.5	167.9	172.5	177.1	172.3
Durable goods <sup>2</sup>	1.5	1.7	1.7	1.7	1.9	1.9	1.5
Nondurable goods	8.9	8.5	9.6	8.3	8.4	7.8	8.5
Commodity Credit Corporation inventory change	1.7	-.1	.8	-.1	-.6	-.1	-.6
Other nondurables	7.2	8.6	8.8	8.4	9.0	8.0	9.1
Services	151.6	157.7	155.8	157.9	162.2	167.5	162.0
Compensation of general government employees, except own-account investment <sup>3</sup>	79.0	80.7	79.2	80.4	83.6	83.7	83.6
Consumption of general government fixed capital <sup>4</sup>	28.0	30.1	29.8	30.3	30.9	31.5	32.1
Other services	45.4	48.0	47.9	48.3	48.7	53.8	47.3
Gross investment	43.6	45.9	47.0	45.1	46.0	45.7	48.0
Structures	8.9	10.4	10.2	9.5	10.6	10.0	10.2
Equipment and software	35.4	36.0	37.3	36.3	35.9	36.3	38.4
<b>State and local</b>	<b>1,069.4</b>	<b>1,099.7</b>	<b>1,094.7</b>	<b>1,100.6</b>	<b>1,104.0</b>	<b>1,104.6</b>	<b>1,104.1</b>
Consumption expenditures	856.8	881.1	879.4	883.0	886.3	887.9	888.1
Durable goods <sup>2</sup>	18.3	19.3	19.2	19.4	19.6	19.8	20.0
Nondurable goods	108.7	113.0	112.6	113.3	114.1	114.9	115.8
Services	731.1	750.5	749.2	751.9	754.2	754.9	754.1
Compensation of general government employees, except own-account investment <sup>3</sup>	589.6	601.7	600.8	602.6	604.1	604.1	602.4
Consumption of general government fixed capital <sup>4</sup>	88.7	92.6	92.2	93.0	93.7	94.4	95.0
Other services	53.2	56.8	56.8	57.0	57.1	57.3	57.7
Gross investment	212.8	218.6	215.3	217.6	217.7	216.6	215.9
Structures	148.6	154.9	151.9	153.9	154.5	153.8	153.0
Equipment and software	65.9	64.6	64.6	64.7	64.0	63.6	63.8
Residual	-6.8	-7.0	-7.7	-7.3	-6.5	-7.2	-8.6
<b>Addenda:</b>							
Compensation of general government employees <sup>3</sup>	800.5	817.0	814.8	818.6	822.2	824.8	826.3
Federal	201.6	205.7	204.5	206.4	208.4	210.9	213.9
State and local <sup>5</sup>	598.9	611.3	610.3	612.2	613.8	613.7	612.1

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.

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

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>National defense consumption expenditures and gross investment<sup>1</sup></b>	<b>399.9</b>	<b>447.4</b>	<b>442.1</b>	<b>451.2</b>	<b>464.7</b>	<b>471.1</b>	<b>518.6</b>
<b>Consumption expenditures</b>	<b>344.5</b>	<b>386.6</b>	<b>382.5</b>	<b>388.9</b>	<b>403.2</b>	<b>408.7</b>	<b>451.7</b>
<b>Durable goods<sup>2</sup></b>	<b>24.2</b>	<b>25.3</b>	<b>24.9</b>	<b>26.3</b>	<b>25.2</b>	<b>24.7</b>	<b>29.0</b>
Aircraft	11.2	11.3	11.3	11.6	11.4	10.8	12.8
Missiles	2.5	2.8	2.5	3.0	3.1	2.7	3.3
Ships	1.2	1.3	1.3	1.5	1.2	1.2	1.3
Vehicles	1.0	1.1	1.1	1.0	1.2	1.1	1.1
Electronics	3.0	3.1	3.2	3.3	2.8	3.4	3.6
Other durable goods	5.3	5.6	5.5	5.8	5.5	5.5	6.9
<b>Nondurable goods</b>	<b>10.5</b>	<b>11.5</b>	<b>11.7</b>	<b>12.0</b>	<b>11.4</b>	<b>12.2</b>	<b>11.9</b>
Petroleum products	4.0	4.2	4.3	4.7	4.0	5.0	3.5
Ammunition	2.1	2.5	2.6	2.7	2.4	2.1	2.7
Other nondurable goods	4.4	4.8	4.8	4.6	5.0	5.1	5.7
<b>Services</b>	<b>309.8</b>	<b>349.9</b>	<b>345.9</b>	<b>350.6</b>	<b>366.6</b>	<b>371.8</b>	<b>410.8</b>
Compensation of general government employees, except own-account investment <sup>3</sup>	143.7	154.4	155.0	155.8	153.9	165.1	169.5
Military	94.1	102.1	102.4	103.0	101.5	110.4	115.3
Civilian	49.6	52.3	52.5	52.8	52.4	54.7	54.2
Consumption of general government fixed capital <sup>4</sup>	63.5	64.2	64.0	64.3	64.9	65.2	65.6
Other services	102.5	131.3	127.0	130.5	147.7	141.5	175.8
Research and development	29.6	42.0	40.9	40.0	49.5	44.7	54.3
Installation support	25.5	28.5	27.1	29.6	30.2	26.9	35.9
Weapons support	12.2	18.3	17.2	19.2	20.7	17.2	25.9
Personnel support	28.0	35.5	34.2	36.6	39.0	39.1	46.4
Transportation of material	4.9	5.0	4.9	5.0	5.2	10.0	10.2
Travel of persons	4.2	4.0	4.0	4.0	4.1	4.7	4.8
Other	-2.0	-1.9	-1.3	-3.9	-9	-1.1	-1.9
<b>Gross investment</b>	<b>55.5</b>	<b>60.8</b>	<b>59.6</b>	<b>62.4</b>	<b>61.5</b>	<b>62.4</b>	<b>67.0</b>
<b>Structures</b>	<b>5.4</b>	<b>5.3</b>	<b>5.4</b>	<b>5.4</b>	<b>5.3</b>	<b>5.5</b>	<b>5.9</b>
<b>Equipment and software</b>	<b>50.0</b>	<b>55.5</b>	<b>54.2</b>	<b>57.0</b>	<b>56.3</b>	<b>56.9</b>	<b>61.0</b>
Aircraft	8.3	9.3	9.0	9.9	9.9	9.5	9.6
Missiles	3.3	3.1	3.1	2.6	3.1	2.8	2.8
Ships	7.2	8.7	8.5	8.9	9.0	8.8	10.0
Vehicles	1.8	2.6	2.8	3.0	2.7	3.6	3.4
Electronics and software	13.7	15.0	14.7	15.3	14.9	15.7	14.4
Other equipment	15.7	16.8	16.2	17.1	16.7	16.5	20.8
<b>Addendum:</b>							
Compensation of general government employees <sup>3</sup>	144.3	155.3	155.9	156.8	154.9	166.1	170.5

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>National defense consumption expenditures and gross investment</b>	<b>366.0</b>	<b>400.0</b>	<b>395.8</b>	<b>402.5</b>	<b>413.2</b>	<b>409.7</b>	<b>450.2</b>
<b>Consumption expenditures</b>	<b>308.9</b>	<b>337.0</b>	<b>333.9</b>	<b>338.0</b>	<b>349.4</b>	<b>345.4</b>	<b>380.9</b>
<b>Durable goods<sup>2</sup></b>	<b>24.3</b>	<b>25.3</b>	<b>24.9</b>	<b>26.4</b>	<b>25.2</b>	<b>24.6</b>	<b>28.9</b>
Aircraft	11.2	11.3	11.2	11.6	11.3	10.7	12.6
Missiles	2.5	2.8	2.6	3.0	3.1	2.7	3.2
Ships	1.2	1.3	1.3	1.5	1.2	1.2	1.3
Vehicles	.8	.8	.8	.8	.9	.8	.8
Electronics	3.4	3.6	3.7	3.9	3.3	4.0	4.2
Other durable goods	5.2	5.6	5.5	5.8	5.5	5.4	6.9
<b>Nondurable goods</b>	<b>9.9</b>	<b>11.4</b>	<b>11.7</b>	<b>11.6</b>	<b>10.8</b>	<b>10.7</b>	<b>11.0</b>
Petroleum products	3.4	4.3	4.4	4.5	3.6	3.7	3.0
Ammunition	2.1	2.6	2.7	2.8	2.5	2.2	2.8
Other nondurable goods	4.2	4.5	4.5	4.3	4.6	4.7	5.3
<b>Services</b>	<b>275.1</b>	<b>300.6</b>	<b>297.6</b>	<b>300.5</b>	<b>313.4</b>	<b>310.0</b>	<b>341.2</b>
Compensation of general government employees, except own-account investment <sup>3</sup>	121.2	123.4	123.8	124.3	123.0	125.5	128.6
Military	80.7	83.7	84.0	84.5	83.3	86.3	90.1
Civilian	40.7	39.9	40.0	40.1	39.9	39.5	39.0
Consumption of general government fixed capital <sup>4</sup>	62.4	62.6	62.5	62.6	62.8	63.1	63.4
Other services	91.7	114.9	111.6	113.8	128.2	121.8	150.1
Research and development	26.9	37.5	36.7	35.6	43.9	39.4	47.7
Installation support	23.4	25.6	24.5	26.4	26.7	23.5	31.0
Weapons support	10.7	15.8	14.9	16.6	17.9	14.8	22.1
Personnel support	23.4	28.6	27.6	29.4	31.2	30.9	36.5
Transportation of material	4.6	4.6	4.5	4.5	4.7	9.0	9.0
Travel of persons	4.1	3.9	3.8	3.9	4.0	4.6	4.6
Other	-1.7	-1.6	-1.1	-3.2	-7	-9	-1.5
<b>Gross investment</b>	<b>57.3</b>	<b>63.3</b>	<b>62.2</b>	<b>65.0</b>	<b>63.9</b>	<b>64.7</b>	<b>69.4</b>
<b>Structures</b>	<b>4.6</b>	<b>4.4</b>	<b>4.5</b>	<b>4.4</b>	<b>4.3</b>	<b>4.5</b>	<b>4.8</b>
<b>Equipment and software</b>	<b>53.0</b>	<b>59.5</b>	<b>58.2</b>	<b>61.1</b>	<b>60.1</b>	<b>60.7</b>	<b>65.1</b>
Aircraft	9.6	11.2	10.8	11.9	11.7	11.4	11.4
Missiles	3.5	3.4	3.4	2.9	3.4	3.0	3.1
Ships	7.1	8.5	8.4	8.7	8.8	8.6	9.7
Vehicles	1.9	2.8	2.9	3.2	2.7	3.6	3.4
Electronics and software	15.3	17.1	16.7	17.5	17.2	18.2	16.8
Other equipment	15.5	16.5	15.9	16.8	16.4	16.1	20.3
Residual	-7	-1.3	-9	-1.5	-1.0	-1.3	-1.3
<b>Addendum:</b>							
Compensation of general government employees <sup>3</sup>	121.7	124.1	124.5	125.1	123.8	126.2	129.4

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. 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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Receipts from the rest of the world</b> .....	<b>1,351.1</b>	<b>1,292.9</b>	<b>1,294.1</b>	<b>1,325.9</b>	<b>1,309.6</b>	<b>1,313.1</b>	<b>1,313.9</b>
Exports of goods and services	1,034.1	1,014.9	1,018.1	1,038.6	1,025.4	1,031.8	1,031.5
Goods <sup>1</sup> .....	733.5	703.6	709.4	722.6	702.6	711.9	711.9
Durable.....	522.4	493.0	499.3	509.5	486.0	485.7	487.1
Nondurable.....	211.2	210.6	210.0	213.1	216.5	226.1	224.7
Services <sup>1</sup> .....	300.6	311.3	308.8	316.0	322.8	319.9	319.6
Income receipts.....	316.9	278.0	276.0	287.3	284.2	281.3	282.4
<b>Payments to the rest of the world</b> .....	<b>1,351.1</b>	<b>1,292.9</b>	<b>1,294.1</b>	<b>1,325.9</b>	<b>1,309.6</b>	<b>1,313.1</b>	<b>1,313.9</b>
Imports of goods and services	1,383.0	1,438.5	1,443.7	1,471.5	1,501.4	1,519.0	1,536.1
Goods <sup>1</sup> .....	1,167.2	1,192.1	1,202.9	1,220.9	1,242.5	1,256.1	1,274.1
Durable.....	754.4	771.1	781.6	783.8	786.6	769.7	788.3
Nondurable.....	412.8	421.0	421.3	437.2	455.9	486.4	485.8
Services <sup>1</sup> .....	215.8	246.4	240.8	250.6	258.9	262.9	262.0
Income payments.....	295.0	287.6	296.1	298.2	293.4	291.5	286.0
Transfer payments (net).....	49.8	55.7	51.5	51.8	55.9	62.5	61.8
From persons (net).....	31.1	32.3	31.9	32.9	32.8	33.4	33.2
From government (net).....	9.6	14.4	10.6	9.7	14.5	20.1	20.0
From business.....	9.1	9.0	9.0	9.2	8.7	9.0	8.5
Net foreign investment.....	-376.7	-488.9	-497.2	-495.6	-541.0	-559.9	-570.0

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Exports of goods and services</b> .....	<b>1,076.1</b>	<b>1,058.8</b>	<b>1,065.5</b>	<b>1,077.7</b>	<b>1,061.6</b>	<b>1,058.1</b>	<b>1,055.5</b>
Goods <sup>1</sup> .....	785.2	756.9	765.8	773.5	750.3	753.9	750.8
Durable.....	558.3	529.2	536.3	546.6	521.5	520.3	521.1
Nondurable.....	226.7	227.5	229.3	226.7	228.5	233.2	229.5
Services <sup>1</sup> .....	292.0	301.5	299.7	304.0	310.0	303.5	303.9
<b>Income receipts</b> .....	<b>292.0</b>	<b>253.3</b>	<b>251.8</b>	<b>261.3</b>	<b>257.5</b>	<b>252.5</b>	<b>253.4</b>
<b>Imports of goods and services</b> .....	<b>1,492.0</b>	<b>1,547.4</b>	<b>1,552.9</b>	<b>1,565.7</b>	<b>1,593.8</b>	<b>1,568.4</b>	<b>1,601.7</b>
Goods <sup>1</sup> .....	1,270.5	1,320.1	1,329.2	1,340.3	1,360.8	1,337.4	1,380.4
Durable.....	865.6	901.4	912.5	915.5	921.6	901.9	923.5
Nondurable.....	402.3	415.5	414.3	421.7	434.5	430.1	449.7
Services <sup>1</sup> .....	222.4	227.2	224.3	226.0	233.0	230.7	223.8
<b>Income payments</b> .....	<b>269.2</b>	<b>260.3</b>	<b>268.2</b>	<b>269.5</b>	<b>264.2</b>	<b>260.4</b>	<b>255.4</b>

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)

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Exports of goods and services</b>	<b>1,034.1</b>	<b>1,014.9</b>	<b>1,018.1</b>	<b>1,038.6</b>	<b>1,025.4</b>	<b>1,031.8</b>	<b>1,031.5</b>
<b>Exports of goods</b> <sup>1</sup>	<b>733.5</b>	<b>703.6</b>	<b>709.4</b>	<b>722.6</b>	<b>702.6</b>	<b>711.9</b>	<b>711.9</b>
Foods, feeds, and beverages	49.4	49.5	48.6	49.5	50.3	52.3	52.0
Industrial supplies and materials	155.3	153.7	155.6	156.3	158.0	166.5	166.6
Durable goods	57.1	56.0	57.2	56.9	56.4	58.8	59.7
Nondurable goods	98.2	97.7	98.4	99.4	101.6	107.7	106.9
Capital goods, except automotive	321.7	291.3	294.1	301.7	285.0	282.7	281.6
Civilian aircraft, engines, and parts	52.6	51.0	50.2	56.4	48.1	45.8	44.0
Computers, peripherals, and parts	47.6	38.6	38.6	37.8	38.9	38.5	37.3
Other	221.6	201.7	205.4	207.5	198.0	198.4	200.3
Automotive vehicles, engines, and parts	75.4	78.5	80.4	82.5	77.4	78.7	78.7
Consumer goods, except automotive	88.3	84.5	84.2	86.0	85.6	86.9	88.5
Durable goods	46.5	44.1	44.3	45.1	44.1	43.2	44.9
Nondurable goods	41.9	40.4	39.9	40.9	41.5	43.7	43.7
Other	43.3	46.0	46.4	46.7	46.1	44.7	44.4
<b>Exports of services</b> <sup>1</sup>	<b>300.6</b>	<b>311.3</b>	<b>308.8</b>	<b>316.0</b>	<b>322.8</b>	<b>319.9</b>	<b>319.6</b>
Transfers under U.S. military agency sales contracts	11.2	11.4	11.6	11.1	11.6	11.7	12.4
Travel	73.1	71.1	69.3	70.9	75.7	69.3	64.6
Passenger fares	18.0	17.6	16.8	18.2	18.6	16.5	16.7
Other transportation	28.3	28.1	27.7	28.4	29.3	29.7	30.0
Royalties and license fees	38.7	41.6	42.6	42.3	41.1	42.9	42.9
Other private services	108.1	116.6	115.9	119.6	120.3	123.2	126.4
Other	23.2	25.0	24.7	25.6	26.3	26.6	26.6
<b>Imports of goods and services</b>	<b>1,383.0</b>	<b>1,438.5</b>	<b>1,443.7</b>	<b>1,471.5</b>	<b>1,501.4</b>	<b>1,519.0</b>	<b>1,536.1</b>
<b>Imports of goods</b> <sup>1</sup>	<b>1,167.2</b>	<b>1,192.1</b>	<b>1,202.9</b>	<b>1,220.9</b>	<b>1,242.5</b>	<b>1,256.1</b>	<b>1,274.1</b>
Foods, feeds, and beverages	46.6	49.8	49.4	50.4	52.0	54.4	55.0
Industrial supplies and materials, except petroleum and products	164.8	160.2	159.0	163.5	168.7	177.2	174.8
Durable goods	80.0	81.0	79.5	82.2	84.9	82.8	79.9
Nondurable goods	84.8	79.1	79.5	81.3	83.9	94.4	94.9
Petroleum and products	103.6	103.4	108.1	110.7	117.9	136.3	130.9
Capital goods, except automotive	298.0	284.0	288.4	285.3	284.9	282.8	291.0
Civilian aircraft, engines, and parts	31.4	25.7	24.9	22.2	26.6	23.7	24.0
Computers, peripherals, and parts	74.0	75.3	76.6	74.7	74.4	73.1	75.1
Other	192.6	183.0	186.9	188.4	183.9	186.0	191.9
Automotive vehicles, engines, and parts	189.8	204.0	207.5	210.0	208.1	203.2	210.3
Consumer goods, except automotive	284.5	307.6	307.2	315.0	322.9	327.5	328.5
Durable goods	146.7	160.5	164.5	163.2	164.8	163.5	165.4
Nondurable goods	137.8	147.1	142.7	151.8	158.1	164.0	163.1
Other	79.9	83.2	83.2	86.0	88.0	74.7	83.7
<b>Imports of services</b> <sup>1</sup>	<b>215.8</b>	<b>246.4</b>	<b>240.8</b>	<b>250.6</b>	<b>258.9</b>	<b>262.9</b>	<b>262.0</b>
Direct defense expenditures	15.2	18.8	18.4	19.4	19.9	22.0	23.3
Travel	60.1	61.3	59.2	61.4	65.8	63.0	58.4
Passenger fares	22.4	21.6	20.6	21.9	23.3	22.0	21.9
Other transportation	38.8	39.1	39.6	39.5	41.4	43.6	44.8
Royalties and license fees	16.4	18.3	18.0	19.2	17.2	18.5	19.1
Other private services	54.6	78.5	76.4	80.4	82.5	84.8	85.4
Other	8.3	8.7	8.6	8.7	8.8	9.0	9.1
<b>Addenda:</b>							
Exports of agricultural goods <sup>2</sup>	54.9	54.5	54.1	53.4	55.3	57.3	57.8
Exports of nonagricultural goods	678.6	649.1	655.3	669.1	647.3	654.6	654.1
Imports of nonpetroleum goods	1,063.6	1,088.8	1,094.7	1,110.2	1,124.5	1,119.8	1,143.2

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 non-durable nonautomotive consumer goods.

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

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Exports of goods and services</b>	<b>1,076.1</b>	<b>1,058.8</b>	<b>1,065.5</b>	<b>1,077.7</b>	<b>1,061.6</b>	<b>1,058.1</b>	<b>1,055.5</b>
<b>Exports of goods</b> <sup>1</sup>	<b>785.2</b>	<b>756.9</b>	<b>765.8</b>	<b>773.5</b>	<b>750.3</b>	<b>753.9</b>	<b>750.8</b>
Foods, feeds, and beverages	62.3	60.9	61.3	59.4	59.6	61.7	59.7
Industrial supplies and materials	162.2	162.8	165.8	163.1	163.9	167.0	165.5
Durable goods	61.7	60.5	62.0	60.9	60.4	61.9	62.1
Nondurable goods	100.4	102.2	103.6	101.9	103.3	104.9	103.3
Capital goods, except automotive	355.8	324.8	327.7	336.8	318.6	316.7	315.8
Civilian aircraft, engines, and parts	44.8	42.2	41.7	46.6	39.3	37.1	35.3
Computers, peripherals, and parts	75.4	64.4	63.8	63.6	66.3	65.1	63.2
Other	238.6	219.1	222.9	225.5	215.7	217.6	220.4
Automotive vehicles, engines, and parts	73.4	76.1	78.1	79.9	74.7	75.8	75.8
Consumer goods, except automotive	87.9	84.6	84.5	86.0	85.6	86.7	88.3
Durable goods	46.0	43.9	44.2	44.8	43.9	42.9	44.5
Nondurable goods	41.9	40.7	40.3	41.2	41.7	43.8	43.8
Other	44.5	47.3	47.9	47.7	47.0	45.1	44.6
<b>Exports of services</b> <sup>1</sup>	<b>292.0</b>	<b>301.5</b>	<b>299.7</b>	<b>304.0</b>	<b>310.0</b>	<b>303.5</b>	<b>303.9</b>
Transfers under U.S. military agency sales contracts	11.5	11.8	12.1	11.6	12.0	12.0	12.7
Travel	65.5	64.4	62.7	64.2	68.1	62.2	58.2
Passenger fares	17.0	16.1	15.8	15.8	16.9	14.3	14.1
Other transportation	26.6	26.4	26.2	26.3	26.8	26.0	27.4
Royalties and license fees	35.6	37.8	38.8	38.4	37.2	38.4	38.5
Other private services	119.1	126.8	126.4	129.3	129.6	131.9	134.7
Other	19.3	21.2	20.9	21.7	22.4	22.5	22.6
Residual	-7.5	-3.0	-3.2	-1.1	-3.3	-5.1	-5.4
<b>Imports of goods and services</b>	<b>1,492.0</b>	<b>1,547.4</b>	<b>1,552.9</b>	<b>1,565.7</b>	<b>1,593.8</b>	<b>1,568.4</b>	<b>1,601.7</b>
<b>Imports of goods</b> <sup>1</sup>	<b>1,270.5</b>	<b>1,320.1</b>	<b>1,329.2</b>	<b>1,340.3</b>	<b>1,360.8</b>	<b>1,337.4</b>	<b>1,380.4</b>
Foods, feeds, and beverages	51.7	54.6	54.6	55.0	55.7	57.4	58.1
Industrial supplies and materials, except petroleum and products	160.9	166.7	165.1	169.1	171.9	168.8	168.9
Durable goods	81.0	85.2	83.3	85.9	89.0	86.7	83.6
Nondurable goods	79.7	81.3	81.6	83.0	82.7	81.9	84.6
Petroleum and products	89.2	86.7	88.6	85.5	90.2	87.3	97.4
Capital goods, except automotive	400.0	393.2	398.2	394.9	397.6	394.9	406.5
Civilian aircraft, engines, and parts	27.3	21.9	21.4	18.9	22.6	20.1	20.1
Computers, peripherals, and parts	138.4	152.3	153.0	151.3	154.3	153.5	159.8
Other	236.6	229.5	234.5	236.2	231.3	233.2	239.8
Automotive vehicles, engines, and parts	186.7	200.1	203.8	205.9	203.4	198.8	205.3
Consumer goods, except automotive	298.9	326.6	326.4	334.4	343.2	348.6	349.3
Durable goods	159.6	177.5	181.7	180.6	183.1	182.1	184.2
Nondurable goods	139.4	149.4	145.4	154.0	160.2	166.3	165.0
Other	79.8	83.8	84.0	86.6	88.1	73.8	82.5
<b>Imports of services</b> <sup>1</sup>	<b>222.4</b>	<b>227.2</b>	<b>224.3</b>	<b>226.0</b>	<b>233.0</b>	<b>230.7</b>	<b>223.8</b>
Direct defense expenditures	17.5	20.9	21.0	20.6	20.8	21.5	21.9
Travel	63.5	61.9	60.9	60.0	63.6	58.5	51.5
Passenger fares	17.7	16.2	15.7	15.5	17.6	16.6	16.0
Other transportation	33.6	35.1	35.9	35.1	36.1	36.6	35.8
Royalties and license fees	15.0	16.7	16.4	17.5	15.5	16.6	17.1
Other private services	69.8	70.4	68.4	71.2	73.0	74.5	75.0
Other	8.0	8.3	8.2	8.2	8.2	8.2	8.1
Residual	-2.5	-4.4	-5.5	-5.3	-1.6	-5.2	-4.1
<b>Addenda:</b>							
Exports of agricultural goods <sup>2</sup>	70.5	68.8	70.3	65.8	66.9	68.8	68.2
Exports of nonagricultural goods	714.9	688.5	696.0	707.4	683.5	685.4	682.9
Imports of nonpetroleum goods	1,177.1	1,229.8	1,236.5	1,252.3	1,266.4	1,246.9	1,275.1

\* The chained-dollar estimates for computers can be used to accurately measure the real growth rate of this component. However, for computers, or for other components that exhibit rapid changes in prices relative to other prices in the economy, the chained-dollar estimates should not be used to measure the component's relative importance or its contribution to the growth rate of more aggregate series.

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Gross saving</b> .....	<b>1,662.4</b>	<b>1,565.1</b>	<b>1,604.0</b>	<b>1,535.5</b>	<b>1,517.5</b>	<b>1,479.4</b>	<b>1,476.3</b>
<b>Gross private saving</b> .....	<b>1,399.3</b>	<b>1,589.6</b>	<b>1,616.1</b>	<b>1,570.2</b>	<b>1,593.8</b>	<b>1,591.9</b>	<b>1,643.9</b>
Personal saving .....	169.7	285.8	314.3	276.9	281.8	278.9	259.7
Undistributed corporate profits with inventory valuation and capital consumption adjustments .....	122.7	139.9	140.5	118.6	129.4	127.0	203.2
Undistributed profits .....	61.2	17.6	13.5	16.1	28.2	38.6	6.4
Inventory valuation adjustment .....	5.0	-6.9	-5.7	-15.1	-8.5	-26.9	-2.2
Capital consumption adjustment .....	56.5	129.1	132.8	117.6	109.7	115.3	199.0
Corporate consumption of fixed capital .....	789.1	827.5	826.1	836.1	839.3	837.6	832.2
Noncorporate consumption of fixed capital .....	317.7	336.4	335.1	338.7	343.3	348.3	348.7
Wage accruals less disbursements .....	.0	.0	.0	.0	.0	.0	.0
<b>Gross government saving</b> .....	<b>263.1</b>	<b>-24.5</b>	<b>-12.1</b>	<b>-34.7</b>	<b>-76.2</b>	<b>-112.4</b>	<b>-167.6</b>
Federal .....	170.7	-100.2	-94.3	-108.3	-153.0	-175.4	-284.4
Consumption of fixed capital .....	98.7	101.9	101.3	102.2	103.6	104.7	105.8
Current surplus or deficit (-), national income and product accounts .....	72.0	-202.1	-195.6	-210.5	-256.6	-280.1	-390.2
State and local .....	92.4	75.7	82.2	73.6	76.7	63.0	116.7
Consumption of fixed capital .....	123.7	127.7	127.3	128.3	129.1	130.8	131.6
Current surplus or deficit (-), national income and product accounts .....	-31.3	-52.0	-45.1	-54.7	-52.4	-67.9	-14.9
<b>Gross investment</b> .....	<b>1,545.1</b>	<b>1,456.2</b>	<b>1,439.0</b>	<b>1,453.4</b>	<b>1,439.3</b>	<b>1,404.8</b>	<b>1,406.4</b>
Gross private domestic investment .....	1,586.0	1,593.2	1,588.0	1,597.3	1,628.1	1,611.2	1,616.5
Gross government investment .....	335.8	351.9	348.2	351.7	352.2	353.6	360.0
Net foreign investment .....	-376.7	-488.9	-497.2	-495.6	-541.0	-559.9	-570.0
<b>Statistical discrepancy</b> .....	<b>-117.3</b>	<b>-108.8</b>	<b>-165.0</b>	<b>-82.1</b>	<b>-78.2</b>	<b>-74.6</b>	<b>-69.8</b>
<b>Addendum:</b>							
Gross saving as a percentage of gross national product .....	16.5	15.0	15.5	14.6	14.3	13.9	13.7

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

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Private fixed investment</b> .....	<b>1,646.3</b>	<b>1,589.3</b>	<b>1,584.6</b>	<b>1,579.7</b>	<b>1,603.6</b>	<b>1,610.7</b>	<b>1,635.0</b>
<b>Nonresidential</b> .....	<b>1,201.6</b>	<b>1,117.4</b>	<b>1,115.8</b>	<b>1,109.8</b>	<b>1,117.1</b>	<b>1,103.4</b>	<b>1,119.0</b>
<b>Structures</b> .....	<b>324.5</b>	<b>269.3</b>	<b>275.2</b>	<b>259.4</b>	<b>254.2</b>	<b>254.9</b>	<b>257.3</b>
Nonresidential buildings, including farm .....	216.3	179.2	182.3	171.1	170.9	171.3	172.2
Utilities .....	55.0	53.1	53.9	51.5	50.6	49.4	46.7
Mining exploration, shafts, and wells .....	42.7	30.6	31.7	31.0	27.3	29.2	33.1
Other structures .....	10.5	6.4	7.3	5.8	5.4	4.9	5.3
<b>Equipment and software</b> .....	<b>877.1</b>	<b>848.1</b>	<b>840.7</b>	<b>850.4</b>	<b>863.0</b>	<b>848.6</b>	<b>861.7</b>
Information processing equipment and software .....	404.3	399.7	397.1	406.9	406.3	411.8	426.9
Computers and peripheral equipment <sup>1</sup> .....	74.2	74.2	72.8	76.8	75.4	76.3	82.4
Software <sup>2</sup> .....	180.4	182.8	181.0	186.3	186.7	187.0	191.0
Other .....	149.8	142.7	143.3	143.8	144.2	148.5	153.6
Industrial equipment .....	159.0	152.2	150.5	153.3	151.5	149.8	149.7
Transportation equipment .....	165.8	148.9	145.2	141.7	154.5	138.5	134.9
Other .....	148.0	147.4	148.0	148.5	150.8	148.4	150.1
<b>Residential</b> .....	<b>444.8</b>	<b>471.9</b>	<b>468.7</b>	<b>469.9</b>	<b>486.5</b>	<b>507.3</b>	<b>516.0</b>
<b>Structures</b> .....	<b>435.4</b>	<b>462.4</b>	<b>459.2</b>	<b>460.4</b>	<b>476.9</b>	<b>497.7</b>	<b>506.1</b>
Single family .....	232.1	247.0	244.3	245.3	257.4	273.8	275.2
Multifamily .....	30.7	33.6	34.2	33.4	32.4	35.7	35.4
Other structures .....	172.7	181.8	180.7	181.7	187.1	188.2	195.5
<b>Equipment</b> .....	<b>9.3</b>	<b>9.6</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>	<b>9.6</b>	<b>9.9</b>

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Private fixed investment</b> .....	<b>1,627.4</b>	<b>1,577.3</b>	<b>1,572.6</b>	<b>1,571.6</b>	<b>1,588.5</b>	<b>1,587.9</b>	<b>1,615.3</b>
<b>Nonresidential</b> .....	<b>1,255.1</b>	<b>1,183.4</b>	<b>1,181.1</b>	<b>1,178.7</b>	<b>1,185.3</b>	<b>1,172.1</b>	<b>1,193.0</b>
<b>Structures</b> .....	<b>270.9</b>	<b>226.4</b>	<b>231.7</b>	<b>218.2</b>	<b>212.6</b>	<b>211.0</b>	<b>213.2</b>
Nonresidential buildings, including farm .....	178.7	145.6	148.2	139.1	137.8	136.5	137.2
Utilities .....	50.3	47.3	48.4	45.6	44.6	43.2	40.5
Mining exploration, shafts, and wells .....	34.0	29.2	30.3	29.9	26.5	28.4	32.7
Other structures .....	9.3	5.5	6.3	5.0	4.6	4.2	4.5
<b>Equipment and software</b> .....	<b>988.2</b>	<b>971.1</b>	<b>961.4</b>	<b>977.2</b>	<b>992.1</b>	<b>979.9</b>	<b>999.5</b>
Information processing equipment and software .....	548.5	563.1	557.0	575.2	579.7	594.5	620.7
Computers and peripheral equipment <sup>1</sup> .....	239.9	283.7	271.6	297.6	303.2	319.1	354.9
Software <sup>2</sup> .....	182.0	185.7	184.3	189.4	190.3	192.5	196.8
Other .....	163.9	158.2	158.5	159.7	160.7	165.3	171.6
Industrial equipment .....	153.8	146.9	145.6	147.9	145.9	143.9	143.6
Transportation equipment .....	163.6	147.0	143.4	141.7	151.4	135.8	133.7
Other .....	140.7	139.3	140.1	140.3	142.3	139.6	140.8
<b>Residential</b> .....	<b>373.5</b>	<b>388.2</b>	<b>386.1</b>	<b>387.1</b>	<b>395.9</b>	<b>405.5</b>	<b>412.0</b>
<b>Structures</b> .....	<b>364.0</b>	<b>378.5</b>	<b>376.4</b>	<b>377.4</b>	<b>386.1</b>	<b>395.6</b>	<b>401.7</b>
Single family .....	192.6	200.5	198.4	199.8	206.5	214.7	216.2
Multifamily .....	24.4	26.3	26.8	26.2	25.1	27.0	26.8
Other structures .....	146.9	151.6	151.0	151.3	154.4	153.5	158.6
<b>Equipment</b> .....	<b>9.5</b>	<b>9.7</b>	<b>9.7</b>	<b>9.7</b>	<b>9.8</b>	<b>9.9</b>	<b>10.4</b>
Residual .....	-62.2	-99.2	-90.0	-111.6	-114.6	-125.7	-153.0

1. Includes new computers and peripheral equipment only. The chained-dollar estimates for computers can be used to accurately measure the real growth rate of this component. However, for computers, or for other components that exhibit rapid changes in prices relative to other prices in the economy, the chained-dollar estimates should not be used to measure the component's relative importance or its contribution to the growth rate of more aggregate series; 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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Change in private inventories .....</b>	<b>-60.3</b>	<b>3.9</b>	<b>3.4</b>	<b>17.6</b>	<b>24.5</b>	<b>.4</b>	<b>-18.5</b>
Farm .....	1.6	.5	.4	-2.3	-1.5	.5	-6
Construction, mining, and utilities .....	7.6	-9	-1.1	-2.5	-1.7	-14.2	-4.6
Manufacturing .....	-35.9	-11.3	-14.2	-2.7	2.8	-6.1	-14.5
Durable goods industries .....	-29.3	-11.3	-14.9	-10.2	5.4	-9.6	-15.4
Nondurable goods industries .....	-6.5	.0	.6	7.6	-2.6	3.5	.9
Wholesale trade .....	-15.6	-3.7	-9.0	7.1	6.6	-3.1	-7.6
Durable goods industries .....	-19.7	-3.4	-7.4	6.1	3.7	1.7	-6.7
Nondurable goods industries .....	4.0	-3	-1.6	.9	2.9	-4.7	-9
Retail trade .....	-20.7	16.8	22.2	15.6	15.7	21.9	6.1
Motor vehicle dealers .....	-15.5	10.4	15.4	4.6	7.8	15.6	5.8
Food and beverage stores .....	.6	-1	.1	1.7	-1	.5	-8
General merchandise stores .....	-5	1.3	.0	2.6	7.1	1.1	-1
Other retail stores .....	-5.3	5.3	6.8	6.6	1.0	4.7	1.2
Other industries .....	2.7	2.5	5.1	2.3	2.5	1.4	2.6
<b>Addenda:</b>							
Change in private inventories .....	-60.3	3.9	3.4	17.6	24.5	.4	-18.5
Durable goods industries .....	-65.0	1.1	-4.8	4.8	24.5	11.6	-14.3
Nondurable goods industries .....	4.7	2.8	8.2	12.7	-1	-11.2	-4.1
Nonfarm industries .....	-61.9	3.4	3.0	19.8	26.0	-1	-17.9
Nonfarm change in book value <sup>1</sup> .....	-75.5	14.1	13.4	38.1	41.9	45.4	-21.2
Nonfarm inventory valuation adjustment <sup>2</sup> .....	13.6	-10.7	-10.4	-18.2	-15.9	-45.5	3.3
Wholesale trade .....	-15.6	-3.7	-9.0	7.1	6.6	-3.1	-7.6
Merchant wholesale trade .....	-12.6	-4.2	-8.4	3.9	4.0	.7	-7.1
Durable goods industries .....	-16.8	-3.9	-7.1	3.8	1.9	4.8	-5.6
Nondurable goods industries .....	4.2	-3	-1.3	.1	2.0	-4.0	-1.5
Nonmerchant wholesale trade .....	-3.1	.5	-6	3.2	2.7	-3.8	-5

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Change in private inventories .....</b>	<b>-61.4</b>	<b>5.2</b>	<b>4.9</b>	<b>18.8</b>	<b>25.8</b>	<b>4.8</b>	<b>-17.6</b>
Farm .....	2.0	1.1	.8	-2.2	-8	1.0	-4
Construction, mining, and utilities .....	6.4	-7	-1.0	-2.3	-1.1	-9.9	-3.6
Manufacturing .....	-36.2	-11.5	-14.1	-2.6	2.8	-6.1	-14.3
Durable goods industries .....	-30.1	-11.4	-15.0	-10.3	5.5	-9.8	-15.5
Nondurable goods industries .....	-6.3	-1	.8	7.4	-2.5	3.4	.8
Wholesale trade .....	-16.5	-3.4	-8.7	7.9	7.0	-2.2	-7.4
Durable goods industries .....	-21.8	-3.6	-7.7	6.5	3.8	2.1	-7.1
Nondurable goods industries .....	4.3	.0	-1.3	1.6	3.1	-3.8	-7
Retail trade .....	-20.3	16.6	22.0	15.5	15.2	21.8	6.1
Motor vehicle dealers .....	-15.5	10.5	15.6	4.7	7.8	16.0	5.9
Food and beverage stores .....	.5	-1	.1	1.6	-1	.4	-7
General merchandise stores .....	-4	1.3	.0	2.6	6.8	1.1	.0
Other retail stores .....	-5.2	5.2	6.7	6.6	1.0	4.9	1.3
Other industries .....	2.6	2.5	5.0	2.3	2.5	1.4	2.6
Residual .....	2.1	.5	.9	.3	-2	-2.0	-2
<b>Addenda:</b>							
Change in private inventories .....	-61.4	5.2	4.9	18.8	25.8	4.8	-17.6
Durable goods industries .....	-67.9	1.4	-4.4	5.0	25.1	12.2	-14.5
Nondurable goods industries .....	4.8	3.8	9.0	13.6	1.4	-6.7	-3.6
Nonfarm industries .....	-63.2	4.1	4.2	20.8	26.5	3.8	-17.1
Wholesale trade .....	-16.5	-3.4	-8.7	7.9	7.0	-2.2	-7.4
Merchant wholesale trade .....	-13.3	-3.9	-8.2	4.6	4.2	1.8	-7.0
Durable goods industries .....	-18.7	-4.1	-7.5	4.0	1.9	5.5	-5.8
Nondurable goods industries .....	4.5	.0	-.9	.8	2.3	-3.2	-1.3
Nonmerchant wholesale trade .....	-3.2	.5	-.6	3.2	2.7	-3.7	-5

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				
	2002			2003	
	II	III	IV	I	II
<b>Private inventories</b> <sup>1</sup>	<b>1,438.1</b>	<b>1,446.9</b>	<b>1,462.9</b>	<b>1,488.9</b>	<b>1,480.4</b>
Farm	104.0	100.1	106.6	108.5	110.7
Construction, mining, and utilities	41.9	41.3	43.6	45.6	43.8
Manufacturing	445.7	447.9	449.1	455.0	450.5
Durable goods industries	273.2	270.2	271.1	270.2	266.9
Nondurable goods industries	172.5	177.7	178.0	184.8	183.7
Wholesale trade	335.1	341.2	342.4	347.3	343.1
Durable goods industries	193.6	195.1	196.0	197.4	195.3
Nondurable goods industries	141.6	146.1	146.4	149.9	147.8
Retail trade	398.0	402.3	406.3	414.9	414.7
Motor vehicle dealers	124.5	125.1	126.0	131.0	131.3
Food and beverage stores	32.9	33.4	33.5	33.9	33.9
General merchandise stores	62.7	63.3	65.4	65.8	65.9
Other retail stores	177.9	180.4	181.4	184.2	183.7
Other industries	113.4	114.1	115.1	117.6	117.6
<b>Addenda:</b>					
Private inventories	1,438.1	1,446.9	1,462.9	1,488.9	1,480.4
Durable goods industries	672.3	672.9	677.2	683.9	679.6
Nondurable goods industries	765.8	774.0	785.7	805.1	800.8
Nonfarm industries	1,334.1	1,346.8	1,356.4	1,380.4	1,369.7
Wholesale trade	335.1	341.2	342.4	347.3	343.1
Merchant wholesale trade	287.5	292.1	292.6	296.4	293.7
Durable goods industries	166.6	167.6	168.0	170.0	168.3
Nondurable goods industries	120.9	124.5	124.6	126.3	125.4
Nonmerchant wholesale trade	47.6	49.1	49.8	51.0	49.4
Final sales of domestic business <sup>2</sup>	724.7	732.6	737.2	744.8	754.9
Final sales of goods and structures of domestic business <sup>2</sup>	382.7	386.6	386.1	391.2	395.0
<b>Ratios of private inventories to final sales of domestic business:</b>					
Private inventories to final sales	1.98	1.98	1.98	2.00	1.96
Nonfarm inventories to final sales	1.84	1.84	1.84	1.85	1.81
Nonfarm inventories to final sales of goods and structures	3.49	3.48	3.51	3.53	3.47

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				
	2002			2003	
	II	III	IV	I	II
<b>Private inventories</b> <sup>1</sup>	<b>1,452.7</b>	<b>1,457.4</b>	<b>1,463.9</b>	<b>1,465.1</b>	<b>1,460.7</b>
Farm	107.8	107.2	107.1	107.3	107.2
Construction, mining, and utilities	40.2	39.6	39.3	36.8	35.9
Manufacturing	448.1	447.5	448.2	446.7	443.1
Durable goods industries	276.5	273.9	275.3	272.9	269.0
Nondurable goods industries	171.5	173.3	172.7	173.6	173.7
Wholesale trade	350.4	352.4	354.2	353.6	351.8
Durable goods industries	211.2	212.8	213.8	214.3	212.5
Nondurable goods industries	138.1	138.5	139.3	138.3	138.1
Retail trade	390.2	394.1	397.9	403.4	404.9
Motor vehicle dealers	126.3	127.5	129.4	133.4	134.9
Food and beverage stores	30.1	30.5	30.4	30.5	30.4
General merchandise stores	61.1	61.7	63.4	63.7	63.7
Other retail stores	172.8	174.4	174.7	175.9	176.2
Other industries	113.7	114.3	114.9	115.2	115.9
Residual	3.4	3.7	3.6	3.2	3.2
<b>Addenda:</b>					
Private inventories	1,452.7	1,457.4	1,463.9	1,465.1	1,460.7
Durable goods industries	695.4	696.6	702.9	706.0	702.4
Nondurable goods industries	754.6	758.0	758.3	756.7	755.8
Nonfarm industries	1,344.1	1,349.3	1,355.9	1,356.9	1,352.6
Wholesale trade	350.4	352.4	354.2	353.6	351.8
Merchant wholesale trade	302.3	303.5	304.5	305.0	303.2
Durable goods industries	182.1	183.1	183.6	184.9	183.5
Nondurable goods industries	119.2	119.4	120.0	119.2	118.8
Nonmerchant wholesale trade	48.2	49.0	49.6	48.7	48.6
Final sales of domestic business <sup>2</sup>	664.6	670.6	672.0	676.0	683.6
Final sales of goods and structures of domestic business <sup>2</sup>	369.2	373.3	372.0	376.1	380.3
<b>Ratios of private inventories to final sales of domestic business:</b>					
Private inventories to final sales	2.19	2.17	2.18	2.17	2.14
Nonfarm inventories to final sales	2.02	2.01	2.02	2.01	1.98
Nonfarm inventories to final sales of goods and structures	3.64	3.61	3.64	3.61	3.56

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>National income without capital consumption adjustment</b> .....	<b>8,053.5</b>	<b>8,174.8</b>	<b>8,158.0</b>	<b>8,196.8</b>	<b>8,270.6</b>	<b>8,348.1</b>	<b>8,370.5</b>
<b>Domestic industries</b> .....	<b>8,031.5</b>	<b>8,184.4</b>	<b>8,178.1</b>	<b>8,207.7</b>	<b>8,279.8</b>	<b>8,358.4</b>	<b>8,374.1</b>
<b>Private industries</b> .....	<b>6,969.4</b>	<b>7,068.4</b>	<b>7,067.0</b>	<b>7,086.4</b>	<b>7,149.6</b>	<b>7,208.2</b>	<b>7,215.2</b>
Agriculture, forestry, and fishing.....	111.1	109.5	102.8	108.0	110.6	114.5	115.5
Mining.....	69.5	59.1	57.5	57.5	63.2	66.3	65.6
Construction.....	438.9	442.0	440.6	442.5	445.6	446.2	450.4
Manufacturing.....	1,132.2	1,122.2	1,126.8	1,131.3	1,137.8	1,152.4	1,134.4
Durable goods.....	640.5	628.4	634.2	634.5	634.6	636.4	626.6
Nondurable goods.....	491.8	493.8	492.6	496.8	503.2	516.0	507.8
Transportation and public utilities.....	529.9	514.3	514.3	512.2	522.3	521.9	536.0
Transportation.....	236.6	236.2	233.8	237.7	242.2	238.3	248.9
Communications.....	148.4	136.8	135.9	134.7	136.9	136.6	142.0
Electric, gas, and sanitary services.....	144.9	141.3	144.6	139.8	143.2	146.9	145.1
Wholesale trade.....	458.4	465.8	463.9	464.9	477.1	475.9	483.5
Retail trade.....	686.1	702.8	705.5	707.7	702.9	707.6	719.2
Finance, insurance, and real estate services.....	1,571.1	1,635.8	1,649.0	1,639.7	1,641.2	1,646.5	1,646.6
Services.....	1,972.0	2,016.8	2,006.6	2,022.6	2,048.9	2,077.1	2,064.0
<b>Government</b> .....	<b>1,062.1</b>	<b>1,116.0</b>	<b>1,111.1</b>	<b>1,121.3</b>	<b>1,130.2</b>	<b>1,150.2</b>	<b>1,159.0</b>
<b>Rest of the world</b> .....	<b>21.9</b>	<b>-9.6</b>	<b>-20.0</b>	<b>-10.9</b>	<b>-9.2</b>	<b>-10.2</b>	<b>-3.6</b>

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Corporate profits with inventory valuation and capital consumption adjustments</b> .....	<b>731.6</b>	<b>787.4</b>	<b>785.0</b>	<b>771.0</b>	<b>796.1</b>	<b>816.5</b>	<b>897.1</b>
<b>Domestic industries</b> .....	<b>580.9</b>	<b>668.1</b>	<b>669.9</b>	<b>654.9</b>	<b>682.0</b>	<b>710.0</b>	<b>788.9</b>
Financial.....	173.5	209.7	210.7	207.3	207.6	223.5	231.9
Nonfinancial.....	407.4	458.4	459.3	447.6	474.4	486.5	557.0
<b>Rest of the world</b> .....	<b>150.8</b>	<b>119.3</b>	<b>115.1</b>	<b>116.1</b>	<b>114.1</b>	<b>106.5</b>	<b>108.2</b>
Receipts from the rest of the world.....	172.4	177.0	173.4	185.9	187.3	193.0	196.6
Less: Payments to the rest of the world.....	21.6	57.7	58.3	69.7	73.3	86.6	88.4
<b>Corporate profits with inventory valuation adjustment</b> .....	<b>675.1</b>	<b>658.3</b>	<b>652.2</b>	<b>653.4</b>	<b>686.4</b>	<b>701.2</b>	<b>698.1</b>
<b>Domestic industries</b> .....	<b>524.4</b>	<b>539.0</b>	<b>537.1</b>	<b>537.3</b>	<b>572.3</b>	<b>594.7</b>	<b>589.9</b>
Financial.....	190.6	217.3	218.5	216.1	216.5	230.3	226.6
Federal Reserve banks.....	27.9	22.8	23.9	22.9	21.2	20.9	20.7
Other.....	162.8	194.5	194.6	193.2	195.2	209.4	205.9
Nonfinancial.....	333.7	321.7	318.6	321.2	355.8	364.4	363.3
Manufacturing.....	83.4	92.6	91.9	100.5	108.9	122.0	106.9
Durable goods.....	9.9	17.0	17.8	22.8	24.6	28.0	21.0
Primary metal industries.....	-1.6	1.2	.3	1.3	2.6	2.6	-1.7
Fabricated metal products.....	9.0	5.8	5.8	4.7	7.3	6.0	7.6
Industrial machinery and equipment.....	-6	-2.5	-2.9	-1	-2.2	-6	-3.3
Electronic and other electric equipment.....	-3.2	.7	-9	4.0	6.1	8.8	11.7
Motor vehicles and equipment.....	-9.4	-7.6	-4.4	-6.6	-7.7	3.3	-3.7
Other.....	15.7	19.4	20.0	19.5	18.5	7.8	10.3
Nondurable goods.....	73.5	75.6	74.1	77.6	84.3	94.0	85.9
Food and kindred products.....	16.6	20.1	19.2	21.0	21.1	22.8	21.0
Chemicals and allied products.....	15.2	16.9	16.7	17.0	18.9	20.9	14.8
Petroleum and coal products.....	25.7	16.9	15.4	17.4	20.7	36.5	33.1
Other.....	16.0	21.8	22.8	22.3	23.7	13.9	17.0
Transportation and public utilities.....	27.7	16.7	17.1	13.2	21.5	20.1	33.8
Transportation.....	1.2	.3	-1.7	-3	3.6	-1.5	11.5
Communications.....	-5.8	-11.7	-12.7	-13.1	-11.8	-11.3	-8.7
Electric, gas, and sanitary services.....	32.2	28.1	31.4	26.5	29.6	33.0	31.1
Wholesale trade.....	44.8	47.3	44.8	44.5	58.9	51.4	57.3
Retail trade.....	79.1	81.2	86.0	82.5	75.1	74.8	85.9
Other.....	98.8	83.9	78.9	80.6	91.5	96.1	79.3
<b>Rest of the world</b> .....	<b>150.8</b>	<b>119.3</b>	<b>115.1</b>	<b>116.1</b>	<b>114.1</b>	<b>106.5</b>	<b>108.2</b>

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]

	2001	2002	Seasonally adjusted					2001	2002	Seasonally adjusted										
			2002			2003				2002			2003							
			II	III	IV	I	II			II	III	IV	I	II						
<b>Gross domestic product:</b>																				
Current dollars .....	129.04	133.70	132.81	134.47	135.53	136.80	138.26													
Chain-type quantity index .....	117.94	120.82	120.21	121.41	121.82	122.26	123.25													
Chain-type price index .....	109.42	110.66	110.48	110.76	111.25	111.90	112.18													
Implicit price deflator .....	109.42	110.66	110.48	110.76	111.25	111.90	112.18													
<b>Personal consumption expenditures:</b>																				
Current dollars .....	133.40	139.45	138.51	140.54	141.77	143.44	145.08													
Chain-type quantity index .....	121.76	125.56	124.92	126.20	126.74	127.37	128.57													
Chain-type price index .....	109.56	111.06	110.89	111.36	111.87	112.62	112.84													
Implicit price deflator .....	109.56	111.07	110.89	111.36	111.86	112.62	112.84													
<b>Durable goods:</b>																				
Current dollars .....	135.60	141.43	139.01	145.63	141.76	139.70	146.08													
Chain-type quantity index .....	151.16	162.19	159.08	167.47	163.92	163.08	172.19													
Chain-type price index .....	89.70	87.19	87.36	86.94	86.46	85.64	84.82													
Implicit price deflator .....	89.70	87.20	87.38	86.96	86.48	85.66	84.84													
<b>Nondurable goods:</b>																				
Current dollars .....	129.68	134.37	133.93	134.49	136.59	140.20	139.98													
Chain-type quantity index .....	118.79	122.58	122.03	122.35	123.88	125.72	126.14													
Chain-type price index .....	109.17	109.61	109.75	109.92	110.25	111.51	110.96													
Implicit price deflator .....	109.17	109.62	109.75	109.92	110.26	111.51	110.97													
<b>Services:</b>																				
Current dollars .....	134.88	141.68	140.78	142.63	144.46	145.87	147.52													
Chain-type quantity index .....	117.98	120.63	120.32	121.01	121.66	121.92	122.35													
Chain-type price index .....	114.32	117.44	117.00	117.88	118.74	119.64	120.57													
Implicit price deflator .....	114.32	117.45	117.00	117.88	118.74	119.64	120.57													
<b>Gross private domestic investment:</b>																				
Current dollars .....	127.62	128.21	127.78	128.54	131.02	129.65	130.08													
Chain-type quantity index .....	126.71	127.92	127.46	128.59	130.56	128.78	129.42													
Chain-type price index .....	100.76	100.23	100.24	99.96	100.37	100.69	100.50													
Implicit price deflator .....	100.73	100.23	100.25	99.96	100.35	100.67	100.51													
<b>Fixed investment:</b>																				
Current dollars .....	135.76	131.06	130.66	130.27	132.24	132.82	134.82													
Chain-type quantity index .....	134.20	130.06	129.68	129.60	130.99	130.94	133.20													
Chain-type price index .....	101.16	100.76	100.76	100.52	100.95	101.44	101.21													
Implicit price deflator .....	101.16	100.76	100.76	100.52	100.96	101.44	101.21													
<b>Nonresidential:</b>																				
Current dollars .....	133.59	124.23	124.06	123.39	124.20	122.68	124.41													
Chain-type quantity index .....	139.55	131.57	131.32	131.05	131.79	130.32	132.64													
Chain-type price index .....	95.73	94.43	94.48	94.17	94.25	94.15	93.80													
Implicit price deflator .....	95.73	94.42	94.47	94.16	94.25	94.14	93.79													
<b>Structures:</b>																				
Current dollars .....	144.22	119.68	122.30	115.29	112.97	113.29	114.36													
Chain-type quantity index .....	120.43	100.62	102.97	96.97	94.47	93.79	94.76													
Chain-type price index .....	119.76	118.95	118.77	118.89	119.57	120.79	120.67													
Implicit price deflator .....	119.76	118.94	118.78	118.90	119.57	120.79	120.68													
<b>Equipment and software:</b>																				
Current dollars .....	130.05	125.75	124.65	126.09	127.95	125.81	127.76													
Chain-type quantity index .....	146.51	143.98	142.55	144.88	147.09	145.28	148.20													
Chain-type price index .....	88.76	87.36	87.46	87.04	87.00	86.61	86.22													
Implicit price deflator .....	88.76	87.34	87.44	87.03	86.99	86.60	86.21													
<b>Residential:</b>																				
Current dollars .....	141.98	150.65	149.63	150.01	155.30	161.94	164.71													
Chain-type quantity index .....	119.22	123.92	123.25	123.59	126.39	129.45	131.53													
Chain-type price index .....	119.09	121.57	121.40	121.38	122.88	125.10	125.23													
Implicit price deflator .....	119.09	121.58	121.40	121.38	122.88	125.10	125.23													
<b>Exports of goods and services:</b>																				
Current dollars .....	118.30	116.10	116.47	118.81	117.30	118.03	118.00													
Chain-type quantity index .....	123.10	121.13	121.89	123.28	121.44	121.04	120.75													
Chain-type price index .....	96.10	95.87	95.58	96.41	96.62	97.55	97.75													
Implicit price deflator .....	96.10	95.85	95.55	96.38	96.59	97.52	97.72													
<b>Exports of goods:</b>																				
Current dollars .....	118.62	113.77	114.71	116.85	113.61	115.11	115.11													
Chain-type quantity index .....	126.97	122.40	123.84	125.08	121.34	121.91	121.42													
Chain-type price index .....	93.42	92.98	92.67	93.45	93.67	94.46	94.85													
Implicit price deflator .....	93.42	92.95	92.63	93.41	93.63	94.43	94.81													
<b>Exports of services:</b>																				
Current dollars .....	117.53	121.72	120.72	123.56	126.22	125.09	124.96													
Chain-type quantity index .....	114.18	117.87	117.18	118.87	121.19	118.67	118.83													
Chain-type price index .....	102.94	103.27	103.04	103.97	104.18	105.43	105.19													
Implicit price deflator .....	102.94	103.27	103.02	103.95	104.15	105.43	105.16													
<b>Imports of goods and services:</b>																				
Current dollars .....	143.60	149.36	149.90	152.78	155.88	157.72	159.49													
Chain-type quantity index .....	154.91	160.66	161.24	162.56	165.48	162.84	166.30													
Chain-type price index .....	92.70	92.99	93.03	94.05	94.27	96.92	95.97													
Implicit price deflator .....	92.70	92.97	92.97	93.98	94.20	96.85	95.91													
<b>Imports of goods:</b>																				
Current dollars .....	144.39	147.48	148.81	151.04	153.71	155.40														

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

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product:</b>							
Current dollars .....	129.04	133.70	132.81	134.47	135.53	136.80	138.26
Chain-type quantity index .....	117.94	120.82	120.21	121.41	121.82	122.26	123.25
Chain-type price index .....	109.42	110.66	110.48	110.76	111.25	111.90	112.18
Implicit price deflator .....	109.42	110.66	110.48	110.76	111.25	111.90	112.18
<b>Final sales of domestic product:</b>							
Current dollars .....	130.31	134.17	133.28	134.76	135.73	137.32	139.03
Chain-type quantity index .....	118.95	121.09	120.49	121.51	121.84	122.52	123.74
Chain-type price index .....	109.55	110.80	110.62	110.91	111.40	112.08	112.36
Implicit price deflator .....	109.55	110.80	110.62	110.91	111.40	112.08	112.36
<b>Gross domestic purchases:</b>							
Current dollars .....	132.00	137.56	136.70	138.43	140.02	141.43	143.09
Chain-type quantity index .....	121.50	125.15	124.53	125.72	126.62	126.81	128.19
Chain-type price index .....	108.65	109.90	109.77	110.11	110.59	111.53	111.62
Implicit price deflator .....	108.65	109.91	109.77	110.11	110.59	111.53	111.63
<b>Final sales to domestic purchasers:</b>							
Current dollars .....	133.27	138.03	137.18	138.74	140.25	141.96	143.87
Chain-type quantity index .....	122.52	125.43	124.82	125.84	126.65	127.09	128.69
Chain-type price index .....	108.78	110.04	109.90	110.25	110.73	111.70	111.79
Implicit price deflator .....	108.78	110.04	109.90	110.25	110.73	111.70	111.79
<b>Addenda:</b>							
Final sales of computers: <sup>1</sup>							
Current dollars .....	101.79	90.86	86.34	94.26	94.94	96.44	98.45
Chain-type quantity index .....	420.15	474.70	436.31	504.33	535.03	569.35	605.39
Chain-type price index .....	24.23	19.27	19.81	18.71	17.76	16.96	16.28
Implicit price deflator .....	24.23	19.14	19.79	18.69	17.74	16.94	16.26
Gross domestic product less final sales of computers:							
Current dollars .....	129.32	134.13	133.28	134.87	135.94	137.21	138.67
Chain-type quantity index .....	116.43	119.20	118.66	119.73	120.09	120.47	121.40
Chain-type price index .....	111.08	112.53	112.32	112.65	113.19	113.90	114.22
Implicit price deflator .....	111.07	112.53	112.32	112.65	113.19	113.90	114.22
Gross domestic purchases less final sales of computers:							
Current dollars .....	132.27	137.87	137.03	138.72	140.34	141.75	143.38
Chain-type quantity index .....	119.61	122.99	122.43	123.51	124.35	124.48	125.75
Chain-type price index .....	110.59	112.09	111.92	112.32	112.86	113.88	114.02
Implicit price deflator .....	110.58	112.09	111.92	112.32	112.86	113.88	114.03
Chain-type price indexes for gross domestic product:							
Food .....	110.45	112.60	112.31	112.71	113.16	113.60	114.43
Energy goods and services .....	114.15	104.54	104.09	103.44	105.46	111.04	113.27
Gross domestic product less food and energy .....	109.17	110.67	110.51	110.81	111.25	111.76	111.92
Chain-type price indexes for gross domestic purchases:							
Food .....	111.48	113.59	113.40	113.58	114.08	114.58	115.26
Energy goods and services .....	116.41	108.90	109.54	110.56	112.91	125.50	120.96
Gross domestic purchases less food and energy .....	108.05	109.58	109.42	109.75	110.15	110.65	110.88

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]

<b>Gross national product:</b>							
Current dollars .....	129.02	133.27	132.25	134.02	135.10	136.35	137.90
Chain-type quantity index .....	117.96	120.46	119.73	121.03	121.46	121.88	122.94
Chain-type price index .....	109.39	110.63	110.45	110.73	111.22	111.88	112.16
Implicit price deflator .....	109.38	110.63	110.45	110.73	111.22	111.88	112.16
<b>Less: Exports of goods and services and income receipts from the rest of the world:</b>							
Chain-type quantity index .....	122.04	116.74	117.17	119.16	117.39	116.59	116.46
<b>Plus: Command-basis exports of goods and services and income receipts from the rest of the world:</b>							
Chain-type quantity index .....	125.93	120.07	120.18	121.96	120.16	117.56	118.60
<b>Equals: Command-basis gross national product:</b>							
Chain-type quantity index .....	118.51	120.94	120.16	121.43	121.86	122.02	123.25

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]

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
<b>Chain-type quantity indexes</b>							
<b>Personal consumption expenditures.....</b>	<b>121.76</b>	<b>125.56</b>	<b>124.92</b>	<b>126.20</b>	<b>126.74</b>	<b>127.37</b>	<b>128.57</b>
<b>Durable goods.....</b>	<b>151.16</b>	<b>162.19</b>	<b>159.08</b>	<b>167.47</b>	<b>163.92</b>	<b>163.08</b>	<b>172.19</b>
Motor vehicles and parts.....	141.21	149.18	144.00	159.04	149.35	146.27	157.24
Furniture and household equipment .....	168.03	184.95	183.72	186.34	188.94	189.03	196.98
Other .....	142.19	150.73	149.34	151.66	152.53	155.19	161.52
<b>Nondurable goods.....</b>	<b>118.79</b>	<b>122.58</b>	<b>122.03</b>	<b>122.35</b>	<b>123.88</b>	<b>125.72</b>	<b>126.14</b>
Food .....	112.85	114.80	114.42	114.24	115.87	118.29	118.50
Clothing and shoes.....	130.61	138.07	137.32	137.41	139.92	140.78	142.82
Gasoline, fuel oil, and other energy goods.....	108.21	112.75	111.98	112.74	113.74	113.94	112.29
Gasoline and oil .....	111.75	116.83	116.51	117.08	116.89	117.76	116.93
Fuel oil and coal.....	81.16	81.82	77.75	79.91	89.85	85.20	77.84
Other .....	127.12	132.32	131.64	132.89	133.90	135.67	136.53
<b>Services.....</b>	<b>117.98</b>	<b>120.63</b>	<b>120.32</b>	<b>121.01</b>	<b>121.66</b>	<b>121.92</b>	<b>122.35</b>
Housing .....	112.09	113.92	113.71	114.19	114.66	115.19	115.69
Household operation .....	120.60	121.25	120.68	121.24	122.89	122.47	121.04
Electricity and gas .....	104.46	105.95	103.79	105.40	110.94	109.31	104.24
Other household operation .....	131.68	131.76	132.34	132.14	130.99	131.46	132.85
Transportation .....	117.24	116.86	116.88	116.63	116.76	116.78	115.78
Medical care .....	115.21	120.16	119.67	120.87	121.80	123.04	124.34
Recreation .....	122.07	124.31	124.09	124.10	125.75	124.96	126.10
Other .....	125.12	127.83	127.59	128.42	128.48	127.99	128.31
<b>Addenda:</b>							
Energy goods and services <sup>1</sup>	106.37	109.48	108.07	109.23	112.35	111.71	108.50
Personal consumption expenditures less food and energy .....	124.42	128.62	127.98	129.56	129.72	130.08	131.79
<b>Chain-type price indexes</b>							
<b>Personal consumption expenditures.....</b>	<b>109.56</b>	<b>111.06</b>	<b>110.89</b>	<b>111.36</b>	<b>111.87</b>	<b>112.62</b>	<b>112.84</b>
<b>Durable goods.....</b>	<b>89.70</b>	<b>87.19</b>	<b>87.36</b>	<b>86.94</b>	<b>86.46</b>	<b>85.64</b>	<b>84.82</b>
Motor vehicles and parts.....	99.84	98.36	98.10	98.30	98.20	97.75	97.32
Furniture and household equipment .....	76.92	72.73	73.29	72.29	71.33	70.31	68.95
Other .....	96.08	95.30	95.48	95.13	94.99	93.97	93.65
<b>Nondurable goods.....</b>	<b>109.17</b>	<b>109.61</b>	<b>109.75</b>	<b>109.92</b>	<b>110.25</b>	<b>111.51</b>	<b>110.96</b>
Food .....	111.89	114.09	113.87	114.13	114.63	115.10	115.78
Clothing and shoes.....	93.35	90.84	91.22	90.34	90.25	89.13	88.28
Gasoline, fuel oil, and other energy goods.....	118.11	109.96	111.53	113.02	116.06	132.43	123.36
Gasoline and oil .....	116.80	109.10	110.95	112.32	115.18	130.69	121.61
Fuel oil and coal.....	130.74	117.70	115.93	118.83	123.78	149.18	140.50
Other .....	112.01	113.97	114.14	114.46	113.97	113.67	113.71
<b>Services.....</b>	<b>114.32</b>	<b>117.44</b>	<b>117.00</b>	<b>117.88</b>	<b>118.74</b>	<b>119.64</b>	<b>120.57</b>
Housing .....	117.15	121.74	121.35	122.21	123.07	123.83	124.29
Household operation .....	106.18	105.32	104.71	105.63	106.23	108.71	109.95
Electricity and gas .....	114.84	108.62	108.42	108.64	109.57	115.17	120.05
Other household operation .....	101.45	103.47	102.65	103.94	104.36	105.05	104.28
Transportation .....	108.08	110.20	110.10	110.52	111.28	111.17	112.05
Medical care .....	114.27	117.36	116.90	117.73	118.66	118.96	119.87
Recreation .....	116.58	120.04	119.71	120.57	121.45	122.58	123.35
Other .....	116.35	119.94	119.44	120.47	121.40	122.64	123.95
<b>Addenda:</b>							
Energy goods and services <sup>1</sup>	116.62	109.37	110.14	111.04	113.10	124.41	121.82
Personal consumption expenditures less food and energy .....	108.78	110.64	110.42	110.91	111.33	111.54	111.84

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]

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
Chain-type quantity indexes							
<b>Private fixed investment</b> .....	<b>134.20</b>	<b>130.06</b>	<b>129.68</b>	<b>129.60</b>	<b>130.99</b>	<b>130.94</b>	<b>133.20</b>
<b>Nonresidential</b> .....	<b>139.55</b>	<b>131.57</b>	<b>131.32</b>	<b>131.05</b>	<b>131.79</b>	<b>130.32</b>	<b>132.64</b>
<b>Structures</b> .....	<b>120.43</b>	<b>100.62</b>	<b>102.97</b>	<b>96.97</b>	<b>94.47</b>	<b>93.79</b>	<b>94.76</b>
Nonresidential buildings, including farm.....	110.52	90.04	91.65	86.07	85.27	84.43	84.90
Utilities.....	139.52	131.34	134.15	126.53	123.65	119.78	112.41
Mining exploration, shafts, and wells.....	161.41	138.63	143.55	141.96	125.83	134.57	155.14
Other structures.....	149.20	89.29	100.97	80.03	74.39	67.94	72.48
<b>Equipment and software</b> .....	<b>146.51</b>	<b>143.98</b>	<b>142.55</b>	<b>144.88</b>	<b>147.09</b>	<b>145.28</b>	<b>148.20</b>
Information processing equipment and software.....	190.92	196.02	193.91	200.24	201.81	206.94	216.08
Computers and peripheral equipment <sup>1</sup> .....	338.61	400.31	383.36	420.05	427.94	450.31	500.90
Software <sup>2</sup> .....	191.35	195.21	193.67	199.09	199.97	202.37	206.80
Other.....	135.16	130.48	130.74	131.65	132.51	136.35	141.47
Industrial equipment.....	112.69	107.67	106.71	108.38	106.89	105.43	105.24
Transportation equipment.....	117.80	105.81	103.23	102.02	108.97	97.73	96.28
Other.....	125.83	124.61	125.33	125.47	127.28	124.85	125.87
<b>Residential</b> .....	<b>119.22</b>	<b>123.92</b>	<b>123.25</b>	<b>123.59</b>	<b>126.39</b>	<b>129.45</b>	<b>131.53</b>
<b>Structures</b> .....	<b>119.12</b>	<b>123.84</b>	<b>123.17</b>	<b>123.51</b>	<b>126.34</b>	<b>129.43</b>	<b>131.44</b>
Single family.....	121.05	125.99	124.70	125.53	129.80	134.96	135.85
Multifamily.....	120.21	129.37	131.98	129.14	123.51	132.88	131.86
Other structures.....	116.48	120.15	119.71	119.95	122.38	121.70	125.68
<b>Equipment</b> .....	<b>123.67</b>	<b>127.27</b>	<b>127.32</b>	<b>127.23</b>	<b>128.19</b>	<b>129.85</b>	<b>135.75</b>
Chain-type price indexes							
<b>Private fixed investment</b> .....	<b>101.16</b>	<b>100.76</b>	<b>100.76</b>	<b>100.52</b>	<b>100.95</b>	<b>101.44</b>	<b>101.21</b>
<b>Nonresidential</b> .....	<b>95.73</b>	<b>94.43</b>	<b>94.48</b>	<b>94.17</b>	<b>94.25</b>	<b>94.15</b>	<b>93.80</b>
<b>Structures</b> .....	<b>119.76</b>	<b>118.95</b>	<b>118.77</b>	<b>118.89</b>	<b>119.57</b>	<b>120.79</b>	<b>120.67</b>
Nonresidential buildings, including farm.....	121.05	123.06	122.97	122.92	123.91	125.41	125.36
Utilities.....	109.45	112.12	111.50	112.82	113.50	114.45	115.34
Mining exploration, shafts, and wells.....	125.45	104.34	104.41	103.41	102.63	102.86	101.02
Other structures.....	113.16	116.00	115.93	116.35	116.36	117.13	118.04
<b>Equipment and software</b> .....	<b>88.76</b>	<b>87.36</b>	<b>87.46</b>	<b>87.04</b>	<b>87.00</b>	<b>86.61</b>	<b>86.22</b>
Information processing equipment and software.....	73.72	71.04	71.31	70.76	70.12	69.30	68.81
Computers and peripheral equipment <sup>1</sup> .....	30.91	26.26	26.84	25.84	24.91	23.94	23.24
Software <sup>2</sup> .....	99.10	98.43	98.24	98.34	98.13	97.13	97.07
Other.....	91.37	90.23	90.39	90.10	89.75	89.82	89.55
Industrial equipment.....	103.40	103.56	103.33	103.67	103.83	104.14	104.27
Transportation equipment.....	101.32	101.26	101.25	100.03	102.05	102.05	100.86
Other.....	105.16	105.76	105.58	105.84	105.91	106.31	106.63
<b>Residential</b> .....	<b>119.09</b>	<b>121.57</b>	<b>121.40</b>	<b>121.38</b>	<b>122.88</b>	<b>125.10</b>	<b>125.23</b>
<b>Structures</b> .....	<b>119.61</b>	<b>122.16</b>	<b>121.98</b>	<b>121.98</b>	<b>123.51</b>	<b>125.82</b>	<b>125.98</b>
Single family.....	120.50	123.20	123.10	122.80	124.60	127.48	127.29
Multifamily.....	125.60	127.74	127.64	127.33	129.19	132.18	131.98
Other structures.....	117.49	119.90	119.62	120.04	121.18	122.57	123.31
<b>Equipment</b> .....	<b>98.50</b>	<b>98.17</b>	<b>98.14</b>	<b>97.91</b>	<b>97.97</b>	<b>96.96</b>	<b>95.54</b>

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]

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
Chain-type quantity indexes							
<b>Exports of goods and services</b> .....	<b>123.10</b>	<b>121.13</b>	<b>121.89</b>	<b>123.28</b>	<b>121.44</b>	<b>121.04</b>	<b>120.75</b>
Goods <sup>1</sup> .....	126.97	122.40	123.84	125.08	121.34	121.91	121.42
Durable.....	132.39	125.49	127.18	129.63	123.66	123.37	123.57
Nondurable.....	115.23	115.67	116.56	115.23	116.17	118.54	116.65
Services <sup>1</sup> .....	114.18	117.87	117.18	118.87	121.19	118.67	118.83
<b>Imports of goods and services</b> .....	<b>118.90</b>	<b>103.17</b>	<b>102.55</b>	<b>106.41</b>	<b>104.85</b>	<b>102.83</b>	<b>103.19</b>
<b>Income receipts</b> .....	<b>154.91</b>	<b>160.66</b>	<b>161.24</b>	<b>162.56</b>	<b>165.48</b>	<b>162.84</b>	<b>166.30</b>
<b>Goods</b> <sup>1</sup> .....	157.18	163.31	164.44	165.81	168.34	165.45	170.77
Durable.....	162.31	169.03	171.12	171.66	172.82	169.12	173.17
Nondurable.....	146.27	151.05	150.62	153.30	157.97	156.38	163.48
<b>Services</b> <sup>1</sup> .....	143.71	146.79	144.92	146.02	150.54	149.03	144.60
<b>Income payments</b> .....	<b>118.35</b>	<b>114.41</b>	<b>117.90</b>	<b>118.46</b>	<b>116.13</b>	<b>114.45</b>	<b>112.26</b>
Chain-type price indexes							
<b>Exports of goods and services</b> .....	<b>96.10</b>	<b>95.87</b>	<b>95.58</b>	<b>96.41</b>	<b>96.62</b>	<b>97.55</b>	<b>97.75</b>
<b>Goods</b> <sup>1</sup> .....	93.42	92.98	92.67	93.45	93.67	94.46	94.85
Durable.....	93.56	93.19	93.13	93.23	93.22	93.39	93.51
Nondurable.....	93.17	92.54	91.61	94.02	94.76	96.98	97.94
<b>Services</b> <sup>1</sup> .....	102.94	103.27	103.04	103.97	104.18	105.43	105.19
<b>Imports of goods and services</b> .....	<b>108.55</b>	<b>109.74</b>	<b>109.61</b>	<b>109.95</b>	<b>110.39</b>	<b>111.40</b>	<b>111.45</b>
<b>Income receipts</b> .....	<b>92.70</b>	<b>92.99</b>	<b>93.03</b>	<b>94.05</b>	<b>94.27</b>	<b>96.92</b>	<b>95.97</b>
<b>Goods</b> <sup>1</sup> .....	91.87	90.32	90.55	91.15	91.36	93.98	92.35
Durable.....	87.16	85.57	85.67	85.65	85.38	85.38	85.40
Nondurable.....	102.59	101.23	101.73	103.71	104.96	113.13	108.08
<b>Services</b> <sup>1</sup> .....	97.03	108.47	107.43	110.92	111.16	114.03	117.11
<b>Income payments</b> .....	<b>109.57</b>	<b>110.47</b>	<b>110.36</b>	<b>110.64</b>	<b>111.03</b>	<b>111.95</b>	<b>111.96</b>

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]

	2001	2002	Seasonally adjusted					2001	2002	Seasonally adjusted										
			2002			2003				2002			2003							
			II	III	IV	I	II			II	III	IV	I	II						
	Chain-type quantity indexes						Chain-type price indexes													
<b>Exports of goods and services</b> .....	<b>123.10</b>	<b>121.13</b>	<b>121.89</b>	<b>123.28</b>	<b>121.44</b>	<b>121.04</b>	<b>120.75</b>													
<b>Exports of goods</b> <sup>1</sup> .....	<b>126.97</b>	<b>122.40</b>	<b>123.84</b>	<b>125.08</b>	<b>121.34</b>	<b>121.91</b>	<b>121.42</b>													
Foods, feeds, and beverages.....	112.18	109.72	110.45	106.97	107.39	111.03	107.57													
Industrial supplies and materials.....	114.96	115.43	117.52	115.60	116.21	118.37	117.32													
Durable goods.....	121.06	118.63	121.59	119.61	118.49	121.41	121.83													
Nondurable goods.....	111.41	113.41	115.02	113.14	114.68	116.43	114.61													
Capital goods, except automotive.....	140.47	128.25	129.40	132.98	125.82	125.03	124.71													
Civilian aircraft, engines, and parts.....	145.39	137.15	135.55	151.37	127.77	120.38	114.74													
Computers, peripherals, and parts.....	172.40	147.29	145.85	145.57	151.70	148.88	144.52													
Other.....	133.48	122.57	124.73	126.15	120.68	121.75	123.31													
Automotive vehicles, engines, and parts.....	112.92	117.01	120.04	122.83	114.90	116.56	116.51													
Consumer goods, except automotive.....	125.52	120.78	120.66	122.79	122.17	123.81	126.02													
Durable goods.....	128.91	122.91	123.76	125.50	122.79	120.15	124.52													
Nondurable goods.....	121.99	118.56	117.42	119.96	121.55	127.69	127.61													
Other.....	132.94	141.24	143.00	142.46	140.33	134.71	133.18													
<b>Exports of services</b> <sup>1</sup> .....	<b>114.18</b>	<b>117.87</b>	<b>117.18</b>	<b>118.87</b>	<b>121.19</b>	<b>118.67</b>	<b>118.83</b>													
Transfers under U.S. military agency sales contracts.....	79.09	81.06	83.08	79.19	82.30	82.42	87.31													
Travel.....	93.87	92.39	89.85	91.99	97.59	89.15	83.44													
Passenger fares.....	83.16	78.81	77.54	77.54	82.70	69.96	68.83													
Other transportation.....	102.07	101.23	100.43	101.06	102.92	99.68	105.07													
Royalties and license fees.....	109.54	116.55	119.51	118.41	114.44	118.36	118.45													
Other private services.....	164.44	175.07	174.52	178.52	179.02	182.16	186.01													
Other.....	96.08	105.76	104.34	108.19	111.54	112.15	112.97													
<b>Imports of goods and services</b> .....	<b>154.91</b>	<b>160.66</b>	<b>161.24</b>	<b>162.56</b>	<b>165.48</b>	<b>162.84</b>	<b>166.30</b>													
<b>Imports of goods</b> <sup>1</sup> .....	<b>157.18</b>	<b>163.31</b>	<b>164.44</b>	<b>165.81</b>	<b>168.34</b>	<b>165.45</b>	<b>170.77</b>													
Foods, feeds, and beverages.....	144.74	152.98	152.82	154.14	155.93	160.64	162.69													
Industrial supplies and materials, except petroleum and products.....	128.51	133.19	131.91	135.07	137.29	134.86	134.93													
Durable goods.....	128.33	135.00	131.98	136.08	140.98	137.38	132.49													
Nondurable goods.....	128.38	131.04	131.50	133.72	133.32	131.96	136.24													
Petroleum and products.....	122.65	119.13	121.82	117.54	124.05	119.96	133.95													
Capital goods, except automotive.....	175.36	172.40	174.57	173.17	174.33	173.16	178.25													
Civilian aircraft, engines, and parts.....	215.81	173.19	168.58	149.01	178.14	158.33	158.55													
Computers, peripherals, and parts.....	224.98	247.65	248.65	245.89	250.78	249.47	259.71													
Other.....	153.73	149.12	152.35	153.52	150.33	151.51	155.82													
Automotive vehicles, engines, and parts.....	144.79	155.17	158.09	159.66	157.72	154.16	159.24													
Consumer goods, except automotive.....	173.70	189.78	189.68	194.30	199.42	202.56	202.99													
Durable goods.....	176.62	196.43	201.09	199.89	202.58	201.48	203.89													
Nondurable goods.....	170.62	182.85	177.92	188.44	196.02	203.44	201.89													
Other.....	175.02	183.67	184.22	189.78	193.17	161.90	180.92													
<b>Imports of services</b> <sup>1</sup> .....	<b>143.71</b>	<b>146.79</b>	<b>144.92</b>	<b>146.02</b>	<b>150.54</b>	<b>149.03</b>	<b>144.60</b>													
Direct defense expenditures.....	158.92	189.18	190.62	187.00	188.87	194.93	198.88													
Travel.....	132.22	128.88	126.80	124.92	132.40	121.67	107.28													
Passenger fares.....	111.68	102.49	99.25	98.26	111.06	104.91	101.46													
Other transportation.....	122.45	127.89	131.09	128.09	131.76	133.70	130.80													
Royalties and license fees.....	191.99	212.78	208.87	222.74	198.21	212.16	218.33													
Other private services.....	183.69	185.49	180.22	187.59	192.35	196.24	197.45													
Other.....	119.89	123.91	123.63	122.51	123.18	122.23	120.96													
<b>Addenda:</b>																				
Exports of agricultural goods <sup>2</sup> .....	114.66	111.95	114.27	107.00	108.88	111.86	110.89													
Exports of nonagricultural goods.....	128.37	123.62	124.98	127.02	122.72	123.07	122.62													
Imports of nonpetroleum goods.....	160.02	167.19	168.10	170.24	172.15	169.51	173.34													
<b>Exports of goods and services</b> .....	<b>96.10</b>	<b>95.87</b>	<b>95.58</b>	<b>96.41</b>	<b>96.62</b>	<b>97.55</b>	<b>97.75</b>													
<b>Exports of goods</b> <sup>1</sup> .....	<b>93.42</b>	<b>92.98</b>	<b>92.67</b>	<b>93.45</b>	<b>93.67</b>	<b>94.46</b>	<b>94.85</b>													
Foods, feeds, and beverages.....	79.31	81.30	79.17	83.24	84.37	84.81	87.02													
Industrial supplies and materials.....	95.78	94.41	93.92	95.87	96.45	99.79	100.71													
Durable goods.....	92.53	92.68	92.42	93.37	93.44	95.07	96.24													
Nondurable goods.....	97.85	95.56	94.92	97.48	98.35	102.71	103.47													
Capital goods, except automotive.....	90.44	89.73	89.79	89.62	89.48	89.31	89.21													
Civilian aircraft, engines, and parts.....	117.54	120.71	120.08	120.94	122.19	123.56	124.38													
Computers, peripherals, and parts.....	63.09	60.02	60.61	59.48	58.79	59.18	59.18													
Other.....	92.86	92.12	92.17	92.08	91.83	91.21	90.93													
Automotive vehicles, engines, and parts.....	102.74	103.25	103.07	103.28	103.64	103.86	103.87													
Consumer goods, except automotive.....	100.46	99.89	99.66	99.96	100.05	100.16	100.30													
Durable goods.....	100.88	100.54	100.27	100.49	100.58	100.59	100.89													
Nondurable goods.....	99.99	99.19	99.01	99.39	99.47	99.68	99.65													
Other.....	97.34	97.27	96.86	97.87	98.22	99.20	99.68													
<b>Exports of services</b> <sup>1</sup> .....	<b>102.94</b>	<b>103.27</b>	<b>103.04</b>	<b>103.97</b>	<b>104.18</b>	<b>105.43</b>	<b>105.19</b>													
Transfers under U.S. military agency sales contracts.....	96.95	95.92	95.68	95.91	96.78	97.00	97.13													
Travel.....	111.68	110.37																		

Table 7.11. Chain-Type Quantity and Price Indexes for Government Consumption Expenditures and Gross Investment by Type

[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted					2001	2002	Seasonally adjusted				
			2002			2003				2002			2003	
			II	III	IV	I	II			II	III	IV	I	II
	Chain-type quantity indexes						Chain-type price indexes							
<b>Government consumption expenditures and gross investment<sup>1</sup></b>	<b>115.36</b>	<b>120.46</b>	<b>119.79</b>	<b>120.65</b>	<b>122.02</b>	<b>122.14</b>	<b>124.66</b>	<b>113.27</b>	<b>115.18</b>	<b>115.06</b>	<b>115.47</b>	<b>115.92</b>	<b>118.15</b>	<b>118.04</b>
<b>Federal</b>	<b>107.33</b>	<b>115.37</b>	<b>114.50</b>	<b>115.71</b>	<b>118.79</b>	<b>118.99</b>	<b>125.94</b>	<b>110.09</b>	<b>113.11</b>	<b>113.07</b>	<b>113.44</b>	<b>113.53</b>	<b>116.23</b>	<b>116.48</b>
<b>National defense</b>	<b>102.51</b>	<b>112.04</b>	<b>110.87</b>	<b>112.74</b>	<b>115.74</b>	<b>114.76</b>	<b>126.10</b>	<b>109.27</b>	<b>111.86</b>	<b>111.71</b>	<b>112.12</b>	<b>112.46</b>	<b>114.98</b>	<b>115.21</b>
Consumption expenditures	102.17	111.46	110.42	111.80	115.56	114.22	125.97	111.50	114.71	114.56	115.04	115.37	118.33	118.58
Durable goods <sup>2</sup>	116.02	120.85	118.91	125.79	120.40	117.54	137.74	99.37	99.68	99.72	99.65	99.81	100.23	100.33
Nondurable goods	129.00	148.45	152.03	151.30	140.58	139.60	143.81	106.08	100.68	99.84	103.19	105.40	113.37	107.49
Services	100.50	109.80	108.71	109.77	114.49	113.24	124.63	112.61	116.41	116.26	116.67	116.95	119.94	120.41
Compensation of general government employees, except own-account investment <sup>3</sup>	91.09	92.73	93.03	93.44	92.44	94.28	96.66	118.58	125.09	125.19	125.33	125.13	131.58	131.74
Consumption of general government fixed capital <sup>4</sup>	99.03	99.35	99.22	99.42	99.70	100.13	100.58	101.84	102.63	102.37	102.60	103.25	103.35	103.50
Other services	118.09	148.01	143.65	146.55	165.10	156.80	193.24	111.79	114.20	113.84	114.66	115.25	116.24	117.15
Gross investment	104.87	115.94	113.83	119.04	116.96	118.42	126.97	96.77	96.01	95.89	95.95	96.31	96.48	96.55
Structures	68.01	65.07	66.47	66.30	64.31	66.62	71.17	118.80	121.72	121.56	121.89	122.47	123.96	124.17
Equipment and software	110.58	124.05	121.32	127.46	125.39	126.68	135.87	94.40	93.34	93.23	93.27	93.61	93.68	93.73
<b>Nondefense</b>	<b>117.10</b>	<b>122.18</b>	<b>121.93</b>	<b>121.83</b>	<b>125.07</b>	<b>127.82</b>	<b>125.87</b>	<b>111.64</b>	<b>115.46</b>	<b>115.61</b>	<b>115.89</b>	<b>115.53</b>	<b>118.54</b>	<b>118.85</b>
Consumption expenditures	112.76	117.42	116.48	117.48	120.74	123.94	120.55	114.18	119.12	119.31	119.70	119.25	123.05	123.43
Durable goods <sup>2</sup>														
Nondurable goods														
Commodity Credit Corporation inventory change														
Other nondurables	111.07	132.68	135.70	129.39	138.43	122.80	140.40	108.99	110.76	111.34	113.42	111.69	116.29	113.28
Services	111.72	116.17	114.83	116.35	119.54	123.46	119.34	114.75	119.92	120.07	120.42	120.05	123.84	124.43
Compensation of general government employees, except own-account investment <sup>3</sup>	103.40	105.63	103.75	105.28	109.52	109.58	109.40	120.51	129.23	129.63	130.11	129.14	136.01	136.79
Consumption of general government fixed capital <sup>4</sup>	155.81	167.02	165.47	168.46	171.61	175.06	178.56	102.45	102.48	102.44	102.34	102.46	102.52	102.59
Other services	109.87	116.07	115.97	116.86	117.80	130.10	114.47	110.27	112.56	112.39	112.79	113.14	114.08	114.66
Gross investment	137.77	144.80	148.22	142.28	145.28	144.26	151.60	101.39	101.15	101.18	101.04	101.00	101.02	101.07
Structures	80.33	93.17	91.85	84.94	94.81	89.36	92.00	116.73	118.72	118.42	118.91	119.60	120.84	121.65
Equipment and software	172.20	175.17	181.69	176.60	174.79	176.88	187.21	95.58	94.74	94.85	94.54	94.30	93.97	93.81
<b>State and local</b>	<b>120.11</b>	<b>123.51</b>	<b>122.95</b>	<b>123.62</b>	<b>123.99</b>	<b>124.06</b>	<b>124.00</b>	<b>115.01</b>	<b>116.33</b>	<b>116.17</b>	<b>116.60</b>	<b>117.24</b>	<b>119.21</b>	<b>118.88</b>
Consumption expenditures	117.93	121.28	121.04	121.54	121.99	122.21	122.24	115.99	117.40	117.19	117.72	118.49	120.70	120.25
Durable goods <sup>2</sup>	139.80	147.53	146.72	148.34	149.97	151.62	153.30	100.11	100.58	100.67	100.55	100.54	100.66	100.76
Nondurable goods	136.09	141.40	140.90	141.89	142.89	143.89	144.90	109.20	107.15	106.74	108.10	110.62	121.47	113.71
Services	115.40	118.45	118.25	118.68	119.04	119.15	119.02	117.18	119.12	118.94	119.36	119.88	120.83	121.49
Compensation of general government employees, except own-account investment <sup>3</sup>	108.72	110.96	110.79	111.13	111.40	111.40	111.09	118.80	121.95	121.53	122.33	123.16	123.94	124.80
Consumption of general government fixed capital <sup>4</sup>	129.92	135.67	135.17	136.31	137.31	138.32	139.20	107.64	107.98	108.04	107.99	107.94	108.59	108.59
Other services	231.02	246.72	246.56	247.35	247.89	248.47	250.39	114.44	105.86	107.86	104.98	103.16	106.42	106.00
Gross investment	129.86	133.43	131.41	132.83	132.90	132.20	131.77	111.00	111.95	111.97	112.02	112.17	113.13	113.26
Structures	121.33	126.48	123.97	125.67	126.16	125.53	124.90	119.49	121.51	121.47	121.74	122.04	123.48	123.87
Equipment and software	159.28	156.24	156.32	156.51	154.83	153.91	154.32	88.96	87.43	87.62	87.14	86.93	86.68	86.20
<b>Addenda:</b>														
Compensation of general government employees <sup>5</sup>	105.41	107.58	107.30	107.79	108.26	108.61	108.80	118.94	123.15	122.88	123.56	124.05	126.31	127.05
Federal	95.56	97.47	96.94	97.80	98.75	99.94	101.37	119.30	126.69	126.91	127.19	126.68	133.29	133.70
State and local <sup>5</sup>	109.21	111.47	111.29	111.63	111.92	111.91	111.61	118.80	121.96	121.53	122.34	123.16	123.94	124.80

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]

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
Chain-type quantity indexes							
<b>Gross domestic product</b>	<b>117.94</b>	<b>120.82</b>	<b>120.21</b>	<b>121.41</b>	<b>121.82</b>	<b>122.26</b>	<b>123.25</b>
<b>Business</b> <sup>1</sup>	<b>119.56</b>	<b>122.53</b>	<b>121.86</b>	<b>123.17</b>	<b>123.55</b>	<b>123.97</b>	<b>125.10</b>
Nonfarm <sup>2</sup>	119.51	122.49	121.86	123.16	123.52	123.93	125.11
Nonfarm less housing	120.48	123.84	122.95	124.60	125.16	125.61	127.11
Housing	110.86	110.72	112.17	110.72	109.39	109.49	108.06
Farm	124.00	124.46	120.17	122.49	125.29	126.02	122.61
<b>Households and institutions</b>	<b>114.39</b>	<b>116.95</b>	<b>116.59</b>	<b>117.35</b>	<b>118.14</b>	<b>118.78</b>	<b>119.14</b>
Private households	84.25	73.59	73.19	73.92	74.82	75.75	76.72
Nonprofit institutions	115.49	118.53	118.17	118.93	119.71	120.34	120.68
<b>General government</b> <sup>3</sup>	<b>107.69</b>	<b>110.15</b>	<b>109.84</b>	<b>110.41</b>	<b>110.95</b>	<b>111.39</b>	<b>111.71</b>
Federal	99.77	101.90	101.39	102.24	103.18	104.36	105.72
State and local	111.40	114.01	113.79	114.22	114.57	114.67	114.48
Chain-type price indexes							
<b>Gross domestic product</b>	<b>109.42</b>	<b>110.66</b>	<b>110.48</b>	<b>110.76</b>	<b>111.25</b>	<b>111.90</b>	<b>112.18</b>
<b>Business</b> <sup>1</sup>	<b>108.23</b>	<b>109.04</b>	<b>108.89</b>	<b>109.08</b>	<b>109.53</b>	<b>109.98</b>	<b>110.23</b>
Nonfarm <sup>2</sup>	108.78	109.63	109.59	109.68	110.10	110.51	110.72
Nonfarm less housing	107.97	108.40	108.39	108.41	108.79	109.15	109.36
Housing	116.62	121.65	121.22	122.13	123.02	123.82	124.12
Farm	70.50	68.00	61.18	67.77	69.86	73.27	76.04
<b>Households and institutions</b>	<b>115.28</b>	<b>119.24</b>	<b>118.47</b>	<b>119.93</b>	<b>121.42</b>	<b>122.89</b>	<b>123.01</b>
Private households	117.43	121.68	121.29	122.18	122.75	123.45	124.30
Nonprofit institutions	115.20	119.16	118.38	119.85	121.36	122.85	122.95
<b>General government</b> <sup>3</sup>	<b>116.48</b>	<b>120.00</b>	<b>119.77</b>	<b>120.33</b>	<b>120.77</b>	<b>122.68</b>	<b>123.30</b>
Federal	114.23	119.51	119.60	119.83	119.63	124.23	124.55
State and local	117.47	120.26	119.90	120.59	121.31	122.07	122.81

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 7.16B. Implicit Price Deflators for Private Inventories by Industry**  
[Index numbers, 1996=100]

	Seasonally adjusted				
	2002			2003	
	II	III	IV	I	II
<b>Private inventories</b> <sup>1</sup>	<b>98.99</b>	<b>99.28</b>	<b>99.94</b>	<b>101.63</b>	<b>101.35</b>
Farm	96.53	93.35	99.54	101.13	103.24
Construction, mining, and utilities	104.47	104.34	110.78	123.80	121.84
Manufacturing	99.45	100.10	100.20	101.88	101.68
Durable goods industries	98.81	98.65	98.46	99.04	99.22
Nondurable goods industries	100.57	102.52	103.07	106.47	105.72
Wholesale trade	95.62	96.80	96.67	98.22	97.54
Durable goods industries	91.66	91.68	91.69	92.11	91.91
Nondurable goods industries	102.50	105.46	105.11	108.41	106.98
Retail trade	101.98	102.08	102.10	102.86	102.43
Motor vehicle dealers	98.59	98.17	97.33	98.17	97.30
Food and beverage stores	109.41	109.59	110.19	111.12	111.69
General merchandise stores	102.62	102.67	103.13	103.32	103.50
Other retail stores	102.96	103.44	103.84	104.71	104.22
Other industries	99.71	99.86	100.19	102.02	101.49
<b>Addenda:</b>					
Private inventories	98.99	99.28	99.94	101.63	101.35
Durable goods industries	96.68	96.58	96.34	96.87	96.76
Nondurable goods industries	101.49	102.12	103.61	106.39	105.96
Nonfarm industries	99.25	99.81	100.03	101.74	101.27
Wholesale trade	95.62	96.80	96.67	98.22	97.54
Merchant wholesale trade	95.10	96.23	96.08	97.17	96.85
Durable goods industries	91.49	91.51	91.53	91.94	91.73
Nondurable goods industries	101.44	104.27	103.88	106.01	105.51
Nonmerchant wholesale trade	98.80	100.30	100.26	104.67	101.73

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 7.15. Price, Costs, and Profit Per Unit of Real Gross Product of Nonfinancial Corporate Business**  
[Dollars]

<b>Price per unit of real gross product of nonfinancial corporate business</b> <sup>1</sup>	<b>1.041</b>	<b>1.036</b>	<b>1.036</b>	<b>1.035</b>	<b>1.037</b>	<b>1.039</b>	<b>1.037</b>
<b>Compensation of employees (unit labor cost)</b>	<b>.695</b>	<b>.680</b>	<b>.680</b>	<b>.679</b>	<b>.678</b>	<b>.678</b>	<b>.671</b>
<b>Unit nonlabor cost</b>	<b>.267</b>	<b>.270</b>	<b>.269</b>	<b>.271</b>	<b>.271</b>	<b>.269</b>	<b>.265</b>
Consumption of fixed capital	.127	.129	.129	.130	.130	.129	.127
Indirect business tax and nontax liability plus business transfer payments less subsidies	.102	.104	.103	.104	.104	.104	.102
Net interest	.038	.037	.037	.037	.037	.036	.036
<b>Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production)</b>	<b>.079</b>	<b>.086</b>	<b>.087</b>	<b>.084</b>	<b>.089</b>	<b>.090</b>	<b>.102</b>
Profits tax liability	.024	.025	.025	.025	.027	.028	.028
Profits after tax with inventory valuation and capital consumption adjustments	.055	.062	.062	.059	.062	.062	.074

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.

**Table 7.17. Chain-Type Quantity Indexes for Gross Domestic Product by Major Type of Product**  
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
<b>Gross domestic product..</b>	<b>117.94</b>	<b>120.82</b>	<b>120.21</b>	<b>121.41</b>	<b>121.82</b>	<b>122.26</b>	<b>123.25</b>
Final sales of domestic product.....	118.95	121.09	120.49	121.51	121.84	122.52	123.74
Change in private inventories.....							
<b>Goods</b> .....	<b>121.64</b>	<b>125.71</b>	<b>124.50</b>	<b>127.23</b>	<b>126.73</b>	<b>127.43</b>	<b>128.22</b>
Final sales.....	124.71	126.57	125.39	127.62	126.86	128.31	129.78
Change in private inventories.....							
Durable goods.....	129.90	134.92	132.10	138.60	137.15	136.17	138.85
Final sales.....	136.94	136.59	134.22	140.00	136.89	136.97	141.88
Change in private inventories.....							
Nondurable goods.....	114.62	117.99	117.93	117.98	118.15	120.01	119.48
Final sales.....	114.86	118.28	117.94	117.67	118.55	120.92	120.04
Change in private inventories.....							
<b>Services</b> .....	<b>115.16</b>	<b>118.35</b>	<b>118.01</b>	<b>118.74</b>	<b>119.65</b>	<b>119.83</b>	<b>120.90</b>
<b>Structures</b> .....	<b>118.80</b>	<b>115.51</b>	<b>115.51</b>	<b>113.88</b>	<b>114.60</b>	<b>115.62</b>	<b>116.84</b>
<b>Addenda:</b>							
Motor vehicle output.....	114.63	129.33	125.97	136.32	131.50	130.90	129.79
Gross domestic product less motor vehicle output.....	118.03	120.53	120.01	120.91	121.50	121.96	123.02

**Table 7.18B. Chain-Type Quantity Indexes for Motor Vehicle Output**  
[Index numbers, 1996=100]

	2001	2002	Seasonally adjusted				
			2002			2003	
			II	III	IV	I	II
<b>Motor vehicle output</b> .....	<b>114.63</b>	<b>129.33</b>	<b>125.97</b>	<b>136.32</b>	<b>131.50</b>	<b>130.90</b>	<b>129.79</b>
Auto output.....	89.86	93.97	93.02	97.86	90.01	83.13	83.22
Truck output <sup>1</sup> .....	135.17	158.50	153.18	168.04	165.62	170.00	167.94
<b>Final sales of domestic product</b> .....	<b>119.40</b>	<b>122.56</b>	<b>115.98</b>	<b>131.99</b>	<b>124.74</b>	<b>120.02</b>	<b>125.65</b>
<b>Personal consumption expenditures</b> .....	<b>143.85</b>	<b>152.48</b>	<b>146.73</b>	<b>164.00</b>	<b>152.39</b>	<b>148.50</b>	<b>160.35</b>
New motor vehicles.....	152.65	164.29	156.46	179.76	161.70	160.30	179.02
Autos.....	131.93	130.12	129.18	138.70	122.19	126.84	129.91
Light trucks.....	177.01	204.40	188.48	227.97	208.09	199.61	236.64
Net purchases of used autos.....	117.43	117.37	117.67	117.26	124.68	113.40	105.08
<b>Private fixed investment</b> .....	<b>106.83</b>	<b>103.02</b>	<b>100.72</b>	<b>106.73</b>	<b>108.75</b>	<b>97.22</b>	<b>98.23</b>
New motor vehicles.....	106.87	104.24	102.26	107.74	110.57	98.47	96.59
Autos.....	95.08	92.02	90.77	95.56	96.97	87.42	79.88
Trucks.....	118.27	116.04	113.36	119.50	123.67	109.15	112.51
Light trucks.....	137.74	135.69	132.07	136.71	147.17	132.33	134.22
Other.....	82.30	79.69	78.64	87.11	80.78	67.26	72.90
Net purchases of used autos.....	106.65	108.39	107.53	111.10	116.85	102.65	90.12
<b>Gross government investment</b> .....	<b>126.36</b>	<b>122.90</b>	<b>117.17</b>	<b>115.74</b>	<b>132.75</b>	<b>129.05</b>	<b>110.25</b>
Autos.....	97.37	97.51	92.55	87.91	108.40	100.75	87.17
New trucks.....	142.63	137.12	130.97	131.45	146.29	144.89	123.16
<b>Net exports</b> .....	<b>92.55</b>	<b>104.06</b>	<b>102.26</b>	<b>109.72</b>	<b>110.21</b>	<b>110.20</b>	<b>116.45</b>
Exports.....	101.19	115.49	116.09	121.85	119.06	119.00	124.86
Autos.....	77.15	83.66	77.57	88.05	94.36	94.45	101.40
Trucks.....	153.19	161.37	164.52	164.33	165.64	154.66	165.45
Imports.....	157.44	167.33	171.40	171.52	171.41	161.05	172.15
Autos.....	132.92	132.99	131.82	130.20	138.17	124.32	133.58
Trucks.....							
<b>Change in private inventories</b> .....							
<b>Autos</b> .....							
New.....							
Domestic.....							
Foreign.....							
Used.....							
<b>New trucks</b> .....							
Domestic.....							
Foreign.....							
<b>Addenda:</b>							
Final sales of motor vehicles to domestic purchasers.....	129.80	133.53	129.04	141.60	135.90	129.20	136.07
Private fixed investment in new autos and new light trucks.....	112.41	109.78	107.57	112.31	117.36	105.66	101.93
Domestic output of new autos <sup>2</sup> .....	92.85	98.82	101.17	104.43	93.11	90.09	93.91
Sales of imported new autos <sup>3</sup> .....	152.80	157.39	153.87	166.84	157.56	153.19	150.03

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**

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
<b>Gross domestic product</b> .....	<b>.3</b>	<b>2.4</b>	<b>1.3</b>	<b>4.0</b>	<b>1.4</b>	<b>1.4</b>	<b>3.3</b>
<b>Percentage points at annual rates:</b>							
<b>Personal consumption expenditures</b> .....	<b>1.67</b>	<b>2.15</b>	<b>1.22</b>	<b>2.93</b>	<b>1.19</b>	<b>1.40</b>	<b>2.68</b>
Durable goods.....	.48	.59	.16	1.74	-.72	-.17	1.79
Motor vehicles and parts.....	.24	.20	-.03	1.46	-.93	-.29	1.03
Furniture and household equipment.....	.19	.30	.20	.18	.17	.01	.49
Other.....	.06	.10	.00	.11	.04	.12	.27
Nondurable goods.....	.39	.64	-.02	.22	1.01	1.21	.28
Food.....	.09	.17	-.09	-.05	.56	.83	.07
Clothing and shoes.....	.08	.17	-.03	.01	.22	.08	.18
Gasoline, fuel oil, and other energy goods.....	.02	.07	-.03	.05	.06	.01	-.11
Other.....	.21	.23	.13	.22	.17	.30	.14
Services.....	.80	.92	1.08	.97	.90	.36	.60
Housing.....	.17	.17	.21	.18	.17	.19	.18
Household operation.....	.05	.02	.06	.07	.21	-.05	-.18
Electricity and gas.....	-.03	.02	.01	.09	.30	-.09	-.29
Other household operation.....	.08	.00	.06	-.01	-.09	.04	.10
Transportation.....	-.02	-.01	-.03	-.02	.01	.00	-.09
Medical care.....	.43	.46	.51	.45	.34	.45	.48
Recreation.....	.08	.05	.07	.00	.14	-.07	.10
Other.....	.09	.23	.26	.29	.02	-.16	.11
<b>Gross private domestic investment</b> .....	<b>-1.90</b>	<b>.15</b>	<b>1.16</b>	<b>.55</b>	<b>.93</b>	<b>-.83</b>	<b>.30</b>
<b>Fixed investment</b> .....	<b>-.65</b>	<b>-.50</b>	<b>-.15</b>	<b>-.03</b>	<b>.65</b>	<b>-.02</b>	<b>1.05</b>
Nonresidential.....	-.66	-.68	-.27	-.08	.24	-.47	.74
Structures.....	-.05	-.52	-.53	-.62	-.25	-.07	.10
Equipment and software.....	-.61	-.15	.26	.53	.49	-.40	.64
Information processing equipment and software.....	-.26	.10	.46	.50	.12	.39	.68
Computers and peripheral equipment.....	-.02	.12	.10	.26	.05	.15	.32
Software <sup>1</sup> .....	-.02	.03	.20	.20	.03	.08	.15
Other.....	-.22	-.05	.16	.04	.04	.16	.21
Industrial equipment.....	-.07	-.07	-.11	.09	-.08	-.08	-.01
Transportation equipment.....	-.23	-.17	-.32	-.06	.37	-.60	-.08
Other.....	-.04	-.01	.23	.01	.08	-.11	.05
Residential.....	.01	.18	.12	.05	.41	.45	.31
<b>Change in private inventories</b> ..	<b>-1.24</b>	<b>.65</b>	<b>1.31</b>	<b>.58</b>	<b>.28</b>	<b>-.82</b>	<b>-.74</b>
Farm.....	.04	-.01	-.20	-.10	.05	.07	-.05
Nonfarm.....	-1.28	.66	1.51	.68	.24	-.88	-.69
<b>Net exports of goods and services</b> .....	<b>-.18</b>	<b>-.67</b>	<b>-1.40</b>	<b>-.01</b>	<b>-1.59</b>	<b>.78</b>	<b>-1.29</b>
<b>Exports</b> .....	<b>-.59</b>	<b>-.17</b>	<b>1.29</b>	<b>.45</b>	<b>-.59</b>	<b>-.13</b>	<b>-.09</b>
Goods.....	-.47	-.26	.99	.28	-.82	.13	-.10
Services.....	-.13	.09	.30	.17	.23	-.25	.02
<b>Imports</b> .....	<b>.42</b>	<b>-.50</b>	<b>-2.69</b>	<b>-.47</b>	<b>-1.00</b>	<b>.91</b>	<b>-1.21</b>
Goods.....	.40	-.43	-2.74	-.40	-.71	.81	-1.50
Services.....	.01	-.07	.05	-.07	-.30	.10	.30
<b>Government consumption expenditures and gross investment</b> .....	<b>.65</b>	<b>.81</b>	<b>.27</b>	<b>.56</b>	<b>.85</b>	<b>.08</b>	<b>1.59</b>
<b>Federal</b> .....	<b>.29</b>	<b>.47</b>	<b>.47</b>	<b>.29</b>	<b>.70</b>	<b>.05</b>	<b>1.61</b>
National defense.....	.19	.37	.32	.29	.46	-.15	1.74
Consumption expenditures.....	.16	.31	.32	.19	.50	-.18	1.57
Gross investment.....	.02	.06	.00	.11	-.04	.03	.17
Nondefense.....	.10	.10	.16	-.01	.25	.20	-.13
Consumption expenditures.....	.08	.08	.10	.07	.21	.21	-.22
Gross investment.....	.01	.02	.06	-.07	.04	-.01	.09
<b>State and local</b> .....	<b>.36</b>	<b>.34</b>	<b>-.21</b>	<b>.27</b>	<b>.15</b>	<b>.03</b>	<b>-.02</b>
Consumption expenditures.....	.30	.28	.16	.17	.14	.08	.01
Gross investment.....	.07	.06	-.37	.10	.00	-.05	-.03
<b>Addenda:</b>							
Goods.....	-.85	1.19	.14	3.10	-.55	.78	.87
Services.....	1.11	1.52	1.91	1.43	1.71	.33	2.03
Structures.....	-.01	-.26	-.80	-.50	.22	.32	.38
Motor vehicle output.....	-.21	.39	.25	1.06	-.49	-.06	-.11
Final sales of computers <sup>2</sup> .....	.08	.08	.08	.39	.17	.18	.18

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 8.3. Contributions to Percent Change in Real Personal Consumption Expenditures by Major Type of Product**

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
<b>Personal consumption expenditures</b> .....	<b>2.5</b>	<b>3.1</b>	<b>1.8</b>	<b>4.2</b>	<b>1.7</b>	<b>2.0</b>	<b>3.8</b>
<b>Percentage points at annual rates:</b>							
<b>Durable goods</b> .....	<b>.71</b>	<b>.86</b>	<b>.23</b>	<b>2.49</b>	<b>-1.03</b>	<b>-.24</b>	<b>2.55</b>
Motor vehicles and parts.....	.35	.29	-.05	2.09	-1.32	-.41	1.46
Furniture and household equipment.....	.28	.43	.29	.25	.24	.01	.70
Other.....	.08	.14	.00	.15	.06	.17	.39
<b>Nondurable goods</b> .....	<b>.58</b>	<b>.93</b>	<b>-.03</b>	<b>.32</b>	<b>1.45</b>	<b>1.73</b>	<b>.41</b>
Food.....	.13	.25	-.13	-.08	.80	1.18	.11
Clothing and shoes.....	.12	.25	-.04	.01	.32	.11	.25
Gasoline, fuel oil, and other energy goods.....	.03	.10	-.04	.07	.09	.02	-.16
Gasoline and oil.....	.05	.10	-.02	.05	-.01	.07	-.07
Fuel oil and coal.....	-.03	.00	-.02	.02	.10	-.05	-.09
Other.....	.30	.33	.19	.31	.25	.42	.21
<b>Services</b> .....	<b>1.17</b>	<b>1.33</b>	<b>1.56</b>	<b>1.38</b>	<b>1.29</b>	<b>.51</b>	<b>.87</b>
Housing.....	.25	.24	.30	.25	.25	.27	.26
Household operation.....	.07	.03	.09	.11	.30	-.08	-.26
Electricity and gas.....	-.04	.02	.01	.12	.42	-.13	-.41
Other household operation.....	.12	.00	.08	-.02	-.12	.05	.15
Transportation.....	-.03	-.01	-.04	-.03	.02	.00	-.13
Medical care.....	.64	.66	.73	.64	.49	.65	.68
Recreation.....	.11	.07	.10	.00	.21	-.10	.14
Other.....	.13	.34	.37	.41	.03	-.23	.17
<b>Addenda:</b>							
Energy goods and services <sup>1</sup> .....	-.01	.12	-.03	.19	.51	-.11	-.56
Personal consumption expenditures less food and energy.....	2.35	2.75	1.94	4.07	.41	.93	4.29

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.

**Table 8.4. Contributions to Percent Change in Real Private Fixed Investment by Type**

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
Private fixed investment.....	-3.8	-3.1	-1.0	-3	4.4	-1	7.1
<b>Percentage points at annual rates:</b>							
<b>Nonresidential.....</b>	<b>-3.88</b>	<b>-4.18</b>	<b>-1.74</b>	<b>-5.8</b>	<b>1.63</b>	<b>-3.10</b>	<b>5.01</b>
Structures.....	-3.31	-3.23	-3.44	-4.05	-1.68	-4.46	.69
Nonresidential buildings, including farm.....	-.95	-2.46	-2.75	-2.81	-.40	-.42	.25
Utilities.....	-.01	-.20	-.69	-.78	-.29	-.40	-.75
Mining exploration, shafts, and wells.....	.48	-.31	.02	-.09	-.89	.47	1.10
Other structures.....	.16	-.26	-.01	-.38	-.10	-.12	.08
<b>Equipment and software.....</b>	<b>-3.57</b>	<b>-.94</b>	<b>1.70</b>	<b>3.47</b>	<b>3.31</b>	<b>-2.64</b>	<b>4.32</b>
Information processing equipment and software.....	-1.54	.61	2.99	3.26	.82	2.56	4.55
Computers and peripheral equipment <sup>1</sup> .....	-.13	.71	.65	1.73	.36	.96	2.11
Software <sup>2</sup> .....	-.13	.22	1.31	1.28	.22	.56	1.04
Other.....	-1.27	-.32	1.02	.25	.24	1.04	1.40
Industrial equipment.....	-.43	-.43	-.70	.60	-.53	-.52	-.05
Transportation equipment.....	-1.37	-1.03	-2.06	-.43	2.47	-3.96	-.50
Other.....	-.23	-.09	1.48	.04	.55	-.72	.32
<b>Residential.....</b>	<b>.07</b>	<b>1.10</b>	<b>.78</b>	<b>.32</b>	<b>2.73</b>	<b>2.96</b>	<b>2.08</b>
Structures.....	.07	1.08	.76	.32	2.71	2.93	1.97
Single family.....	.11	.60	.38	.41	2.13	2.57	.48
Multifamily.....	.11	.14	-.06	-.19	-.37	.62	-.06
Other structures.....	-.15	.34	.43	.09	.94	-.26	1.56
Equipment.....	.00	.02	.02	.00	.02	.03	.11

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**

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
Exports of goods and services.....	-5.4	-1.6	14.3	4.6	-5.8	-1.3	-1.0
<b>Percentage points at annual rates:</b>							
<b>Exports of goods<sup>1</sup>.....</b>	<b>-4.23</b>	<b>-2.55</b>	<b>10.92</b>	<b>2.86</b>	<b>-8.25</b>	<b>1.29</b>	<b>-1.11</b>
Foods, feeds, and beverages.....	-.13	-.10	-.61	-.61	.08	.66	-.64
Industrial supplies and materials.....	-.58	.05	2.84	-.99	.34	1.16	-.58
Capital goods, except automotive.....	-3.21	-2.71	4.48	3.21	-6.21	-.69	-.29
Automotive vehicles, engines, and parts.....	-.47	.27	2.73	.74	-2.04	.43	-.01
Consumer goods, except automotive.....	-.07	-.32	.96	.59	-.15	.45	.60
Other.....	-.03	.26	.54	-.07	-.26	-.72	-.20
<b>Exports of services<sup>1</sup>.....</b>	<b>-1.14</b>	<b>.95</b>	<b>3.36</b>	<b>1.77</b>	<b>2.42</b>	<b>-2.62</b>	<b>.16</b>
<b>Percent change at annual rate:</b>							
Imports of goods and services.....	-2.9	3.7	22.2	3.3	7.4	-6.2	8.8
<b>Percentage points at annual rates:</b>							
<b>Imports of goods<sup>1</sup>.....</b>	<b>-2.78</b>	<b>3.19</b>	<b>22.25</b>	<b>2.81</b>	<b>5.23</b>	<b>-5.55</b>	<b>10.82</b>
Foods, feeds, and beverages.....	.14	.19	.41	.12	.17	.42	.19
Industrial supplies and materials, except petroleum and products.....	-.45	-.39	1.38	1.06	.76	-.79	.05
Petroleum and products.....	.27	-.16	2.13	-1.07	1.69	-1.11	3.93
Capital goods, except automotive.....	-2.73	-.38	3.77	-.63	.56	-.47	2.25
Automotive vehicles, engines, and parts.....	-.41	.98	5.21	.57	-.67	-1.21	1.81
Consumer goods, except automotive.....	.33	1.89	7.03	2.07	2.30	1.37	.24
Other.....	.07	.28	2.32	.69	.43	-3.76	2.34
<b>Imports of services<sup>1</sup>.....</b>	<b>-.08</b>	<b>.52</b>	<b>-.10</b>	<b>.52</b>	<b>2.14</b>	<b>-.67</b>	<b>-2.05</b>

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**

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
Government consumption expenditures and gross investment <sup>1</sup> .....	3.7	4.4	1.4	2.9	4.6	.4	8.5
<b>Percentage points at annual rates:</b>							
<b>Federal.....</b>	<b>1.61</b>	<b>2.54</b>	<b>2.52</b>	<b>1.50</b>	<b>3.76</b>	<b>.25</b>	<b>8.48</b>
<b>National defense.....</b>	<b>1.06</b>	<b>2.01</b>	<b>1.68</b>	<b>1.53</b>	<b>2.44</b>	<b>-.78</b>	<b>9.15</b>
Consumption expenditures.....	.92	1.70	1.69	.98	2.65	-.93	8.26
Durable goods <sup>2</sup> .....	.09	.05	.03	.29	-.23	-.12	.83
Nondurable goods.....	.03	.08	.03	-.01	-.17	-.02	.07
Services.....	.80	1.56	1.63	.70	3.05	-.80	7.36
Compensation of general government employees, except own-account investment <sup>3</sup> .....	.05	.14	.36	.14	-.33	.62	.83
Consumption of general government fixed capital <sup>4</sup> .....	-.01	.01	.02	.03	.04	.06	.07
Other services.....	.76	1.40	1.25	.53	3.34	-1.47	6.46
Gross investment.....	.14	.31	-.01	.56	-.22	.15	.89
Structures.....	-.01	-.01	.05	.00	-.03	.04	.07
Equipment and software.....	.14	.32	-.07	.56	-.18	.11	.81
<b>Nondefense.....</b>	<b>.55</b>	<b>.54</b>	<b>.84</b>	<b>-.04</b>	<b>1.33</b>	<b>1.03</b>	<b>-.67</b>
Consumption expenditures.....	.47	.42	.52	.35	1.13	1.09	-1.14
Durable goods <sup>2</sup> .....	.01	.01	.00	.01	.03	.00	-.06
Nondurable goods.....	.13	.03	.22	-.17	.04	-.19	.25
Services.....	.34	.38	.29	.51	1.06	1.27	-1.33
Compensation of general government employees, except own-account investment <sup>3</sup> .....	-.03	.12	-.04	.31	.85	.01	-.02
Consumption of general government fixed capital <sup>4</sup> .....	.11	.11	.11	.11	.12	.13	.13
Other services.....	.26	.15	.22	.09	.09	1.14	-1.43
Gross investment.....	.08	.12	.32	-.39	.20	-.06	.46
Structures.....	-.04	.09	-.25	-.19	.26	-.14	.07
Equipment and software.....	.11	.03	.57	-.20	-.07	.08	.39
<b>State and local.....</b>	<b>2.05</b>	<b>1.87</b>	<b>-1.10</b>	<b>1.42</b>	<b>.85</b>	<b>.13</b>	<b>.04</b>
Consumption expenditures.....	1.66	1.52	.84	.89	.81	.39	.17
Durable goods <sup>2</sup> .....	.06	.05	.04	.04	.04	.04	.05
Nondurable goods.....	-.36	.24	.17	.17	.18	.18	.20
Services.....	1.24	1.22	.63	.67	.59	.16	-.08
Compensation of general government employees, except own-account investment <sup>3</sup> .....	.79	.78	.36	.46	.40	-.01	-.31
Consumption of general government fixed capital <sup>4</sup> .....	.24	.23	.20	.17	.15	.15	.14
Other services.....	.21	.21	.08	.04	.03	.03	.10
Gross investment.....	.39	.35	-1.94	.53	.04	-.25	-.13
Structures.....	.23	.41	-1.87	.52	.15	-.19	-.16
Equipment and software.....	.16	-.06	-.07	.02	-.12	-.07	.03

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]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Current dollars:</b>							
Gross domestic product.....	35,398	36,340	36,147	36,509	36,706	36,970	37,272
Gross national product.....	35,475	36,307	36,077	36,471	36,674	36,935	37,260
Personal income.....	30,494	31,039	31,052	31,132	31,242	31,407	31,591
Disposable personal income.....	25,957	27,170	27,144	27,313	27,463	27,694	27,855
Personal consumption expenditures.....	24,531	25,408	25,271	25,579	25,740	25,985	26,217
Durable goods.....	2,935	3,033	2,985	3,120	3,029	2,979	3,107
Nondurable goods.....	7,167	7,358	7,344	7,356	7,453	7,633	7,602
Services.....	14,430	15,017	14,942	15,102	15,258	15,373	15,508
<b>Chained (1996) dollars:</b>							
Gross domestic product.....	32,352	32,839	32,718	32,962	32,995	33,039	33,224
Gross national product.....	32,432	32,817	32,663	32,936	32,974	33,014	33,219
Disposable personal income.....	23,692	24,463	24,479	24,527	24,551	24,591	24,685
Personal consumption expenditures.....	22,390	22,877	22,790	22,969	23,010	23,074	23,234
Durable goods.....	3,272	3,478	3,416	3,588	3,503	3,477	3,662
Nondurable goods.....	6,565	6,712	6,691	6,692	6,760	6,845	6,851
Services.....	12,622	12,787	12,771	12,812	12,850	12,849	12,863
Population (mid-period, thousands).....	284,822	287,456	287,072	287,770	288,475	289,109	289,834

Table 8.8B. Motor Vehicle Output

[Billions of dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Motor vehicle output.....</b>	<b>312.0</b>	<b>344.2</b>	<b>334.7</b>	<b>360.7</b>	<b>349.7</b>	<b>347.4</b>	<b>340.9</b>
Auto output.....	109.6	111.6	110.3	115.8	106.0	96.0	95.1
Truck output <sup>1</sup> .....	202.4	232.7	224.4	244.9	243.7	251.4	245.8
<b>Final sales of domestic product.....</b>	<b>329.3</b>	<b>330.8</b>	<b>312.6</b>	<b>353.8</b>	<b>336.6</b>	<b>321.9</b>	<b>333.2</b>
<b>Personal consumption expenditures.....</b>	<b>288.4</b>	<b>299.7</b>	<b>287.5</b>	<b>321.8</b>	<b>298.7</b>	<b>289.2</b>	<b>310.8</b>
New motor vehicles.....	227.8	241.0	228.8	262.9	237.4	233.1	258.9
Autos.....	105.9	103.2	102.2	109.6	96.9	99.4	101.2
Light trucks.....	121.8	137.8	126.6	153.3	140.5	133.7	157.7
Net purchases of used autos.....	60.6	58.6	58.7	59.0	61.4	56.1	51.9
Private fixed investment.....	127.7	122.5	119.9	125.0	130.2	116.3	115.5
New motor vehicles.....	164.2	158.0	155.1	161.5	167.7	149.3	144.4
Autos.....	70.6	67.4	66.4	69.8	71.1	63.3	57.5
Trucks.....	93.6	90.5	88.7	91.8	96.7	86.0	86.8
Light trucks.....	70.2	67.1	65.7	66.0	72.6	65.8	65.0
Other.....	23.4	23.5	23.0	25.7	24.1	20.2	21.9
Net purchases of used autos.....	-36.5	-35.5	-35.2	-36.6	-37.5	-33.0	-28.9
Gross government investment.....	13.7	13.3	12.7	12.4	14.3	13.9	11.7
Autos.....	3.8	3.9	3.7	3.6	4.3	4.0	3.4
New trucks.....	9.9	9.4	9.0	8.9	10.0	10.0	8.3
<b>Net exports.....</b>	<b>-100.5</b>	<b>-104.6</b>	<b>-107.5</b>	<b>-105.4</b>	<b>-106.7</b>	<b>-97.5</b>	<b>-104.8</b>
Exports.....	25.4	28.9	28.3	30.5	30.9	30.9	32.8
Autos.....	17.8	20.5	20.6	21.6	21.4	21.4	22.5
Trucks.....	7.6	8.4	7.7	8.8	9.5	9.6	10.3
Imports.....	125.9	133.5	135.8	135.9	137.5	128.4	137.6
Autos.....	106.7	114.1	116.6	116.9	117.4	110.2	117.9
Trucks.....	19.2	19.4	19.2	19.0	20.2	18.2	19.7
<b>Change in private inventories.....</b>	<b>-17.3</b>	<b>13.4</b>	<b>22.1</b>	<b>6.9</b>	<b>13.1</b>	<b>25.4</b>	<b>7.7</b>
Autos.....	-6.1	7.4	10.5	5.7	5.9	-5.0	5.4
New.....	-6.7	7.0	10.4	4.4	5.9	-5.6	4.4
Domestic.....	-7.4	5.7	9.1	7.9	-9	-3.9	2.8
Foreign.....	0.7	1.2	1.3	-3.4	6.8	-1.7	1.6
Used.....	.6	.5	.1	1.3	.0	.7	.9
New trucks.....	-11.3	6.0	11.6	1.2	7.2	30.4	2.3
Domestic.....	-10.7	4.3	11.6	2.2	1.0	28.1	1.2
Foreign.....	-.5	1.7	.1	-1.0	6.2	2.3	1.1
<b>Addenda:</b>							
Final sales of motor vehicles to domestic purchasers.....	429.8	435.5	420.1	459.2	443.3	419.4	438.0
Private fixed investment in new autos and new light trucks.....	140.8	134.5	132.1	135.8	143.6	129.1	122.5
Domestic output of new autos <sup>2</sup> .....	107.3	113.2	115.8	119.3	106.5	101.7	105.6
Sales of imported new autos <sup>3</sup> .....	82.9	84.4	82.3	89.1	84.5	81.2	79.0

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.

Table 8.9B. Real Motor Vehicle Output

[Billions of chained (1996) dollars]

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Motor vehicle output.....</b>	<b>315.9</b>	<b>356.5</b>	<b>347.2</b>	<b>375.7</b>	<b>362.4</b>	<b>360.8</b>	<b>357.7</b>
Auto output.....	113.4	118.5	117.3	123.4	113.5	104.9	105.0
Truck output <sup>1</sup> .....	202.0	236.9	229.0	251.2	247.5	254.1	251.0
<b>Final sales of domestic product.....</b>	<b>333.9</b>	<b>342.7</b>	<b>324.3</b>	<b>369.1</b>	<b>348.8</b>	<b>335.6</b>	<b>351.4</b>
<b>Personal consumption expenditures.....</b>	<b>290.0</b>	<b>307.4</b>	<b>295.8</b>	<b>330.6</b>	<b>307.2</b>	<b>299.3</b>	<b>323.2</b>
New motor vehicles.....	229.2	246.7	234.9	269.9	242.8	240.7	268.8
Autos.....	108.0	106.5	105.8	113.6	100.0	103.8	106.4
Light trucks.....	120.9	139.6	128.7	155.6	142.1	136.3	161.6
Net purchases of used autos.....	60.4	60.4	60.5	60.3	64.1	58.3	54.0
Private fixed investment.....	129.1	124.4	121.7	128.9	131.4	117.4	118.7
New motor vehicles.....	165.8	161.8	158.7	167.2	171.6	152.8	149.9
Autos.....	71.9	69.6	68.7	72.3	73.4	66.1	60.4
Trucks.....	94.0	92.3	90.1	95.0	98.3	86.8	89.5
Light trucks.....	72.0	71.0	69.1	71.5	77.0	69.2	70.2
Other.....	22.4	21.7	21.4	23.7	22.0	18.3	19.8
Net purchases of used autos.....	-36.7	-37.3	-37.0	-38.2	-40.2	-35.3	-31.0
Gross government investment.....	13.7	13.3	12.7	12.5	14.4	14.0	11.9
Autos.....	3.7	3.7	3.5	3.4	4.2	3.9	3.3
New trucks.....	10.0	9.6	9.2	9.2	10.2	10.1	8.6
<b>Net exports.....</b>	<b>-87.8</b>	<b>-101.3</b>	<b>-104.3</b>	<b>-102.2</b>	<b>-103.1</b>	<b>-94.4</b>	<b>-101.3</b>
Exports.....	24.0	27.0	26.6	28.5	28.6	28.6	30.2
Autos.....	17.2	19.6	19.7	20.7	20.2	20.2	21.2
Trucks.....	7.0	7.5	7.0	7.9	8.5	8.5	9.1
Imports.....	121.8	128.4	130.9	130.7	131.7	123.0	131.6
Autos.....	103.7	110.2	112.9	113.0	112.9	106.1	113.4
Trucks.....	18.2	18.2	18.0	17.8	18.9	17.0	18.3
<b>Change in private inventories.....</b>	<b>-15.9</b>	<b>12.1</b>	<b>20.1</b>	<b>6.3</b>	<b>11.7</b>	<b>22.7</b>	<b>6.8</b>
Autos.....	-6.2	7.7	10.8	6.0	6.0	-5.2	5.6
New.....	-6.8	7.1	10.7	4.6	5.9	-5.8	4.5
Domestic.....	-7.6	6.0	9.5	8.3	-1.0	-4.1	3.0
Foreign.....	.7	1.2	1.2	-3.3	6.5	-1.6	1.5
Used.....	.6	.5	.1	1.4	-.1	.7	1.0
New trucks.....	-8.8	4.4	8.7	.9	5.3	21.6	1.6
Domestic.....	-8.3	3.2	8.6	1.6	.9	19.7	.9
Foreign.....	-.5	1.4	.1	-.9	5.3	1.9	.9
Residual.....	-3.9	.7	2.0	-.6	1.1	7.9	-1.5
<b>Addenda:</b>							
Final sales of motor vehicles to domestic purchasers.....	432.5	445.0	430.0	471.8	452.8	430.5	453.4
Private fixed investment in new autos and new light trucks.....	143.8	140.5	137.6	143.7	150.2	135.2	130.4
Domestic output of new autos <sup>2</sup> .....	108.4	115.3	118.1	121.9	108.7	105.1	109.6
Sales of imported new autos <sup>3</sup> .....	84.6	87.1	85.1	92.3	87.2	84.8	83.0

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

	2001	2002	Seasonally adjusted at annual rates				
			2002			2003	
			II	III	IV	I	II
<b>Percent change at annual rate:</b>							
<b>Gross domestic purchases</b>	<b>1.9</b>	<b>1.2</b>	<b>2.3</b>	<b>1.2</b>	<b>1.8</b>	<b>3.4</b>	<b>.4</b>
<b>Percentage points at annual rates:</b>							
<b>Personal consumption expenditures</b>	<b>1.34</b>	<b>.92</b>	<b>1.83</b>	<b>1.15</b>	<b>1.22</b>	<b>1.84</b>	<b>.54</b>
Durable goods	-.16	-.23	-.23	-.16	-.18	-.29	-.30
Motor vehicles and parts	.01	-.05	-.10	.03	-.01	-.06	-.06
Furniture and household equipment	-.17	-.17	-.12	-.16	-.16	-.16	-.22
Other	.01	-.01	-.01	-.02	-.01	-.07	-.02
Nondurable goods	.29	.08	.89	.12	.24	.90	-.39
Food	.28	.19	.05	.09	.17	.16	.23
Clothing and shoes	-.06	-.08	-.04	-.11	-.01	-.15	-.11
Gasoline, fuel oil, and other energy goods	-.06	-.12	.72	.09	.18	.94	-.51
Other	.12	.09	.16	.06	-.09	-.05	.01
Services	1.21	1.07	1.18	1.19	1.17	1.23	1.23
Housing	.37	.38	.33	.28	.28	.25	.15
Household operation	.15	-.03	.00	.13	.09	.35	.17
Electricity and gas	.15	-.08	.03	.01	.05	.29	.24
Other household operation	.00	.05	-.03	.12	.04	.06	-.07
Transportation	.05	.05	.11	.04	.07	-.01	.08
Medical care	.37	.28	.27	.30	.33	.12	.32
Recreation	.08	.08	.11	.08	.08	.10	.07
Other	.19	.32	.35	.36	.32	.43	.44
<b>Gross private domestic investment</b>	<b>.19</b>	<b>-.08</b>	<b>-.06</b>	<b>-.16</b>	<b>.24</b>	<b>.19</b>	<b>-.11</b>
<b>Fixed investment</b>	<b>.19</b>	<b>-.06</b>	<b>-.03</b>	<b>-.14</b>	<b>.25</b>	<b>.28</b>	<b>-.13</b>
Nonresidential	.02	-.15	-.15	-.14	.04	-.04	-.15
Structures	.15	-.02	.02	.01	.05	.09	-.01
Equipment and software	-.14	-.13	-.17	-.15	-.01	-.14	-.14
Information processing equipment and software	-.16	-.14	-.13	-.11	-.14	-.17	-.10
Computers and peripheral equipment	-.17	-.11	-.06	-.10	-.10	-.11	-.08
Software <sup>1</sup>	.03	-.01	-.05	.01	-.01	-.07	.00
Other	-.03	-.02	-.02	-.02	-.02	.00	-.02
Industrial equipment	.01	.00	-.01	.02	.01	.02	.01
Transportation equipment	-.01	.00	-.03	-.06	.11	.00	-.06
Other equipment	.02	.01	-.01	.01	.00	.02	.02
Residential	.17	.09	.11	.00	.21	.32	.02
<b>Change in private inventories</b>	<b>.00</b>	<b>-.02</b>	<b>-.03</b>	<b>-.03</b>	<b>-.01</b>	<b>-.09</b>	<b>.02</b>
Farm	.00	.00	.00	.00	.00	.00	.00
Nonfarm	.00	-.02	-.03	-.02	-.01	-.09	.02
<b>Government consumption expenditures and gross investment</b>	<b>.41</b>	<b>.31</b>	<b>.51</b>	<b>.26</b>	<b>.28</b>	<b>1.41</b>	<b>-.07</b>
<b>Federal</b>	<b>.10</b>	<b>.17</b>	<b>.15</b>	<b>.08</b>	<b>.02</b>	<b>.62</b>	<b>.06</b>
National defense	.06	.09	.08	.06	.05	.38	.03
Consumption expenditures	.07	.10	.08	.06	.04	.37	.03
Gross investment	.00	.00	.00	.00	.01	.00	.00
Nondefense	.04	.08	.06	.02	-.03	.24	.02
Consumption expenditures	.04	.08	.07	.02	-.03	.24	.02
Gross investment	.00	.00	.00	.00	.00	.00	.00
<b>State and local</b>	<b>.31</b>	<b>.14</b>	<b>.36</b>	<b>.18</b>	<b>.26</b>	<b>.79</b>	<b>-.13</b>
Consumption expenditures	.26	.12	.33	.17	.25	.71	-.14
Gross investment	.05	.02	.03	.00	.01	.08	.01
<b>Addenda:</b>							
Final sales of computers <sup>2</sup>	-.27	-.19	-.11	-.16	-.19	-.17	-.15
Gross domestic purchases less final sales of computers	2.21	1.34	2.39	1.41	1.94	3.61	.50
Food	.28	.18	.04	.06	.17	.17	.23
Energy goods and services	.09	-.26	.93	.14	.31	1.64	-.58
Gross domestic purchases less food and energy	1.57	1.23	1.31	1.05	1.27	1.63	.70

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 September 29, 2003, and they include "preliminary" estimates for August 2003 and "revised" estimates for January–July 2003.

**Table B.1. Personal Income**

[Billions of dollars; monthly estimates seasonally adjusted at annual rates]

	2001	2002	2002						2003							
			Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan. <sup>r</sup>	Feb. <sup>r</sup>	Mar. <sup>r</sup>	Apr. <sup>r</sup>	May <sup>r</sup>	Jun. <sup>r</sup>	Jul. <sup>r</sup>	Aug. <sup>p</sup>
<b>Personal income</b> .....	<b>8,685.3</b>	<b>8,922.2</b>	<b>8,934.8</b>	<b>8,958.7</b>	<b>8,983.1</b>	<b>8,983.1</b>	<b>9,007.1</b>	<b>9,047.4</b>	<b>9,058.3</b>	<b>9,080.2</b>	<b>9,102.0</b>	<b>9,119.8</b>	<b>9,155.4</b>	<b>9,192.9</b>	<b>9,217.1</b>	<b>9,238.8</b>
Wage and salary disbursements.....	4,950.6	4,996.4	4,985.0	5,009.8	5,027.4	5,009.7	5,020.1	5,039.5	5,039.4	5,057.2	5,064.9	5,064.3	5,077.6	5,095.6	5,095.8	5,101.6
Private industries.....	4,139.8	4,143.6	4,131.4	4,152.1	4,167.4	4,146.4	4,154.5	4,172.2	4,163.6	4,175.0	4,179.9	4,177.3	4,188.2	4,201.1	4,204.4	4,209.8
Goods-producing industries.....	1,142.4	1,115.7	1,111.4	1,117.0	1,117.3	1,110.7	1,107.1	1,110.0	1,105.2	1,106.0	1,107.5	1,105.7	1,108.5	1,112.6	1,110.0	1,111.1
Manufacturing.....	789.4	758.7	756.8	759.1	757.8	753.8	750.4	751.8	750.1	751.2	750.6	746.5	746.8	748.8	746.2	745.5
Distributive industries.....	1,109.2	1,114.4	1,111.3	1,118.4	1,123.7	1,112.5	1,114.6	1,116.7	1,119.8	1,123.2	1,122.4	1,122.3	1,123.8	1,127.5	1,127.9	1,130.0
Service industries.....	1,888.2	1,913.5	1,908.7	1,916.7	1,925.4	1,923.3	1,932.8	1,945.5	1,938.6	1,945.8	1,950.0	1,949.3	1,959.9	1,961.0	1,966.5	1,968.6
Government.....	810.8	852.8	853.6	857.7	860.0	863.3	865.6	867.3	875.8	882.2	885.0	886.9	889.4	894.5	891.4	891.9
Other labor income.....	570.4	610.6	613.0	617.5	622.1	625.9	630.1	634.4	637.0	639.4	641.1	642.8	645.2	646.9	647.9	649.6
Proprietors' income with IVA and CCAAdj.....	727.9	756.5	755.0	757.4	763.8	769.7	770.4	774.6	783.3	782.3	787.7	794.7	803.5	815.3	829.0	830.8
Farm.....	19.0	12.9	7.7	10.7	13.8	13.0	11.8	10.2	12.3	14.4	15.9	15.8	15.1	15.2	19.1	21.1
Nonfarm.....	708.8	743.7	747.4	746.7	750.0	756.7	758.6	764.4	771.0	767.9	771.7	778.9	788.4	800.1	809.9	809.8
Rental income of persons with CCAAdj.....	137.9	142.4	152.4	144.1	135.9	133.2	130.6	127.9	127.5	126.9	126.2	121.3	115.2	109.4	116.2	123.0
Personal dividend income.....	409.2	433.8	435.0	437.3	439.4	441.6	443.8	446.0	448.6	451.2	453.7	456.4	459.1	461.5	463.9	466.5
Personal interest income.....	1,091.3	1,078.5	1,084.8	1,080.7	1,076.7	1,078.8	1,080.9	1,083.1	1,079.4	1,075.8	1,072.2	1,076.8	1,081.5	1,086.1	1,083.7	1,081.1
Transfer payments to persons.....	1,170.4	1,288.0	1,293.2	1,297.3	1,304.6	1,309.9	1,317.6	1,329.8	1,333.9	1,339.6	1,348.9	1,356.3	1,367.2	1,373.2	1,376.1	1,382.2
Old-age, survivors, disability, and health insurance benefits.....	664.3	699.8	699.2	701.9	704.6	704.5	710.3	717.6	718.2	722.4	727.1	729.6	737.3	738.5	740.0	745.9
Government unemployment insurance benefits.....	31.9	62.9	68.1	66.9	67.8	66.0	63.3	60.9	61.5	63.6	64.8	65.7	67.5	67.4	66.1	66.1
Other.....	474.2	525.4	525.9	528.5	532.3	539.4	544.0	548.9	554.8	555.7	558.1	561.9	564.2	567.2	568.7	570.3
Less: Personal contributions for social insurance.....	372.3	384.0	383.7	385.4	386.7	385.7	386.6	388.0	390.8	392.1	392.7	392.9	393.9	395.2	395.4	396.0

<sup>p</sup> Preliminary.  
<sup>r</sup> Revised. Revisions include changes to series affected by the introduction of revised wage and salary estimates for the first quarter of 2003.  
 CCAAdj 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]

	2001	2002	2002						2003							
			Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan. <sup>r</sup>	Feb. <sup>r</sup>	Mar. <sup>r</sup>	Apr. <sup>r</sup>	May <sup>r</sup>	Jun. <sup>r</sup>	Jul. <sup>r</sup>	Aug. <sup>p</sup>
Billions of dollars, unless otherwise indicated																
<b>Personal income</b> .....	<b>8,685.3</b>	<b>8,922.2</b>	<b>8,934.8</b>	<b>8,958.7</b>	<b>8,983.1</b>	<b>8,983.1</b>	<b>9,007.1</b>	<b>9,047.4</b>	<b>9,058.3</b>	<b>9,080.2</b>	<b>9,102.0</b>	<b>9,119.8</b>	<b>9,155.4</b>	<b>9,192.9</b>	<b>9,217.1</b>	<b>9,238.8</b>
Less: Personal tax and nontax payments.....	1,292.1	1,111.9	1,101.4	1,098.8	1,096.8	1,089.6	1,088.5	1,092.2	1,067.5	1,074.4	1,078.9	1,079.4	1,082.3	1,086.2	985.1	933.2
<b>Equals: Disposable personal income</b> .....	<b>7,393.2</b>	<b>7,810.3</b>	<b>7,833.4</b>	<b>7,859.9</b>	<b>7,886.4</b>	<b>7,893.6</b>	<b>7,918.6</b>	<b>7,955.2</b>	<b>7,990.8</b>	<b>8,005.8</b>	<b>8,023.1</b>	<b>8,040.4</b>	<b>8,073.2</b>	<b>8,106.6</b>	<b>8,232.0</b>	<b>8,305.6</b>
Less: Personal outlays.....	7,223.5	7,524.5	7,579.9	7,601.6	7,567.5	7,592.0	7,626.0	7,704.1	7,707.7	7,705.4	7,769.8	7,772.4	7,807.7	7,860.9	7,933.3	7,993.8
Personal consumption expenditures.....	6,987.0	7,303.7	7,355.7	7,379.3	7,347.2	7,374.3	7,410.7	7,491.2	7,493.4	7,490.3	7,553.9	7,557.0	7,592.6	7,646.2	7,718.0	7,777.8
Durable goods.....	835.9	871.9	901.6	919.0	872.8	848.1	857.7	915.9	866.3	845.7	871.7	894.4	899.5	907.7	937.4	963.4
Nondurable goods.....	2,041.3	2,115.0	2,117.8	2,117.3	2,115.6	2,137.5	2,150.2	2,162.1	2,193.3	2,203.7	2,223.3	2,193.3	2,197.1	2,219.5	2,240.1	2,260.1
Services.....	4,109.9	4,316.8	4,336.3	4,343.0	4,358.8	4,388.6	4,402.7	4,413.2	4,433.8	4,441.0	4,458.9	4,469.4	4,496.0	4,519.0	4,540.4	4,554.3
Interest paid by persons.....	205.4	188.4	191.3	189.3	187.4	185.0	182.5	180.1	180.9	181.7	182.5	182.2	181.9	181.5	182.1	182.7
Personal transfer payments to the rest of the world (net).....	31.1	32.3	32.9	32.9	32.9	32.8	32.8	32.8	33.4	33.4	33.4	33.2	33.2	33.2	33.2	
<b>Equals: Personal saving</b> .....	<b>169.7</b>	<b>285.8</b>	<b>253.5</b>	<b>258.3</b>	<b>318.8</b>	<b>301.5</b>	<b>292.7</b>	<b>251.1</b>	<b>283.1</b>	<b>300.4</b>	<b>253.3</b>	<b>268.0</b>	<b>265.5</b>	<b>245.7</b>	<b>298.6</b>	<b>311.8</b>
<b>Addenda:</b>																
Disposable personal income:																
Billions of chained (1996) dollars <sup>1</sup> .....	6,748.0	7,032.2	7,049.5	7,057.4	7,067.2	7,061.5	7,079.4	7,105.9	7,123.7	7,107.6	7,097.6	7,126.3	7,162.1	7,175.5	7,271.1	7,316.2
Per capita:																
Current dollars.....	25,957	27,170	27,245	27,313	27,381	27,383	27,450	27,557	27,660	27,692	27,729	27,766	27,855	27,945	28,350	28,576
Chained (1996) dollars.....	23,692	24,463	24,518	24,525	24,537	24,497	24,540	24,615	24,659	24,585	24,531	24,609	24,712	24,735	25,041	25,172
Population (thousands) <sup>2</sup> .....	284,822	287,456	287,519	287,768	288,024	288,263	288,480	288,682	288,893	289,098	289,335	289,579	289,828	290,096	290,370	290,653
Personal consumption expenditures:																
Billions of chained (1996) dollars.....	6,377.2	6,576.0	6,619.7	6,625.9	6,584.0	6,596.9	6,625.3	6,691.4	6,680.3	6,649.9	6,682.5	6,697.9	6,735.8	6,767.9	6,817.1	6,851.3
Durable goods.....	931.9	999.9	1,036.4	1,057.3	1,003.5	977.0	991.7	1,062.9	1,008.7	987.6	1,019.8	1,049.0	1,061.2	1,074.2	1,111.9	1,145.0
Nondurable goods.....	1,869.8	1,929.5	1,931.0	1,926.2	1,920.2	1,937.9	1,950.0	1,962.0	1,984.4	1,972.0	1,980.4	1,970.6	1,986.2	1,999.8	2,013.3	2,019.0
Services.....	3,594.9	3,675.6	3,688.5	3,683.4	3,689.0	3,704.0	3,708.7	3,716.2	3,708.1	3,714.2	3,714.2	3,716.8	3,729.3	3,737.8	3,745.0	3,748.8
Implicit price deflator, 1996=100.....	109.56	111.06	111.12	111.37	111.59	111.79	111.86	111.95	112.17	112.64	113.04	112.83	112.72	112.98	113.22	113.52
Personal saving as percentage of disposable personal income.....	2.3	3.7	3.2	3.3	4.0	3.8	3.7	3.2	3.5	3.8	3.2	3.3	3.3	3.0	3.6	3.8
Percent change from preceding period, monthly changes at monthly rates																
<b>Personal income, current dollars</b> .....	<b>3.3</b>	<b>2.7</b>	<b>-0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.0</b>	<b>0.3</b>	<b>0.4</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.2</b>
Disposable personal income:																
Current dollars.....	3.8	5.6	-0.2	0.3	0.3	0.1	0.3	0.5	0.4	0.2	0.2	0.4	0.4	0.4	1.5	0.9
Chained (1996) dollars.....	1.8	4.2	-0.3	0.1	0.1	-0.1	0.3	0.4	0.3	-0.2	-0.1	0.4	0.5	0.2	1.3	0.6
Personal consumption expenditures:																
Current dollars.....	4.5	4.5	1.1	0.3	-0.4	0.4	0.5	1.1	0.0	0.0	0.8	0.0	0.5	0.7	0.9	0.8
Chained (1996) dollars.....	2.5	3.1	0.9	0.1	-0.6	0.2	0.4	1.0	-0.2	-0.5	0.5	0.0	0.6	0.5	0.7	0.5

<sup>p</sup> Preliminary.  
<sup>r</sup> Revised. Revisions include changes to series affected by the introduction of revised wage and salary estimates for the first quarter of 2003.  
<sup>1</sup> Equals disposable personal income deflated by the implicit price deflator for personal consumption expenditures.  
<sup>2</sup> 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
<b>Gross domestic product</b> .....	<b>9,274.3</b>	<b>9,824.6</b>	<b>10,082.2</b>	<b>8,859.0</b>	<b>9,191.4</b>	<b>9,214.5</b>	Transportation services.....	29.9	34.1	32.9	29.8	32.4	31.2
<b>Private industries</b> .....	<b>8,123.0</b>	<b>8,606.9</b>	<b>8,800.8</b>	<b>7,851.0</b>	<b>8,157.8</b>	<b>8,189.4</b>	Communications.....	257.2	279.1	291.5	255.3	286.7	321.9
<b>Agriculture, forestry, and fishing</b> .....	<b>127.7</b>	<b>134.3</b>	<b>140.6</b>	<b>154.6</b>	<b>166.7</b>	<b>163.9</b>	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
<b>Mining</b> .....	<b>104.1</b>	<b>133.1</b>	<b>139.0</b>	<b>114.7</b>	<b>101.9</b>	<b>106.8</b>	<b>Wholesale trade</b> .....	<b>645.3</b>	<b>696.8</b>	<b>680.7</b>	<b>708.6</b>	<b>750.2</b>	<b>748.7</b>
Metal mining.....	5.6	5.2	5.7	9.0	8.0	9.6	<b>Retail trade</b> .....	<b>831.7</b>	<b>887.3</b>	<b>931.8</b>	<b>846.2</b>	<b>909.2</b>	<b>951.2</b>
Coal mining.....	10.8	9.2	10.5	13.5	11.9	13.9	<b>Finance, insurance, and real estate</b> .....	<b>1,798.8</b>	<b>1,976.7</b>	<b>2,076.9</b>	<b>1,688.3</b>	<b>1,793.5</b>	<b>1,843.5</b>
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
<b>Construction</b> .....	<b>425.4</b>	<b>461.3</b>	<b>480.0</b>	<b>367.8</b>	<b>378.0</b>	<b>371.9</b>	Security and commodity brokers.....	128.2	150.8	175.0	174.8	216.8	245.1
<b>Manufacturing</b> .....	<b>1,481.3</b>	<b>1,520.3</b>	<b>1,423.0</b>	<b>1,513.9</b>	<b>1,585.4</b>	<b>1,490.3</b>	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	<b>Services</b> .....	<b>1,977.2</b>	<b>2,116.4</b>	<b>2,226.6</b>	<b>1,768.4</b>	<b>1,826.0</b>	<b>1,843.3</b>
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	<b>Statistical discrepancy</b> <sup>1</sup> .....	<b>-38.8</b>	<b>-128.5</b>	<b>-117.3</b>	<b>-37.3</b>	<b>-121.3</b>	<b>-108.3</b>
Rubber and miscellaneous plastics products.....	58.7	59.3	56.6	57.6	61.3	57.0	<b>Government</b> .....	<b>1,151.3</b>	<b>1,217.7</b>	<b>1,281.3</b>	<b>1,061.1</b>	<b>1,088.8</b>	<b>1,107.5</b>
Leather and leather products.....	3.4	3.7	3.3	3.2	3.6	3.1	<b>Federal</b> .....	<b>369.8</b>	<b>389.5</b>	<b>396.2</b>	<b>346.5</b>	<b>350.0</b>	<b>350.9</b>
<b>Transportation and public utilities</b> .....	<b>770.1</b>	<b>809.3</b>	<b>819.5</b>	<b>732.2</b>	<b>781.9</b>	<b>780.5</b>	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	<b>State and local</b> .....	<b>781.5</b>	<b>828.2</b>	<b>885.1</b>	<b>714.4</b>	<b>733.6</b>	<b>756.1</b>
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	103.2	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	<b>Not allocated by industry</b> <sup>2</sup> .....				<b>-97.1</b>	<b>-159.1</b>	<b>-204.4</b>
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

	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
<b>Personal consumption expenditures</b>	<b>5,246.5</b>	<b>6,683.7</b>	<b>6,987.0</b>	<b>5,964.5</b>	<b>6,223.9</b>	<b>6,377.2</b>	<b>Personal business</b>	<b>575.2</b>	<b>632.5</b>	<b>634.3</b>	<b>514.2</b>	<b>550.0</b>	<b>550.1</b>
<b>Food and tobacco</b>	<b>964.7</b>	<b>1,027.2</b>	<b>1,068.7</b>	<b>888.9</b>	<b>919.4</b>	<b>926.0</b>	Brokerage charges and investment counseling (s.)	72.2	88.4	74.2	80.0	98.9	86.2
Food purchased for off-premise consumption (n.d.)	537.7	568.6	589.0	512.4	530.0	533.6	Bank service charges, trust services, and safe deposit box rental (s.)	63.2	68.4	73.5	56.8	58.8	60.7
Purchased meals and beverages (n.d.)	351.5	376.5	393.2	325.4	339.8	344.0	Services furnished without payment by financial intermediaries except life insurance carriers (s.)	233.8	258.1	259.5	201.4	220.0	227.4
Food furnished to employees (including military) (n.d.)	9.1	9.4	9.7	8.5	8.7	8.8	Expense of handling life insurance and pension plans (s.)	96.2	102.8	103.9	82.3	82.0	80.3
Food produced and consumed on farms (n.d.)	5.5	5.5	5.5	5.5	5.5	5.5	Legal services (s.)	62.4	65.2	70.4	54.7	54.4	55.7
Tobacco products (n.d.)	65.9	72.2	76.3	43.4	42.8	42.1	Funeral and burial expenses (s.)	16.5	16.4	17.5	14.6	14.1	14.6
Addenda: Food excluding alcoholic beverages (n.d.)	786.2	834.2	866.2	741.0	768.8	775.2	Other (s.)	31.0	35.2	35.3	28.1	28.9	29.4
Alcoholic beverages purchased for off-premise consumption (n.d.)	65.2	70.3	73.1	62.5	65.4	66.5	<b>Transportation</b>	<b>707.8</b>	<b>768.9</b>	<b>794.8</b>	<b>704.8</b>	<b>726.8</b>	<b>750.4</b>
Other alcoholic beverages (n.d.)	47.4	50.5	53.1	43.3	44.8	45.3	User-operated transportation	654.7	711.9	742.0	653.1	673.9	699.8
<b>Clothing, accessories, and jewelry</b>	<b>391.2</b>	<b>409.8</b>	<b>412.6</b>	<b>404.9</b>	<b>428.4</b>	<b>435.9</b>	New autos (d.)	98.4	105.5	105.9	99.9	107.0	108.0
Shoes (n.d.)	44.7	46.3	47.0	46.4	48.9	49.9	Net purchases of used autos (d.)	57.7	59.4	60.6	59.8	60.4	60.4
Clothing and accessories except shoes (n.d.)	256.1	287.1	287.9	265.4	280.3	287.5	Other motor vehicles (d.)	118.7	125.9	149.0	116.8	123.9	147.3
Women's and children's (n.d.)	164.1	171.9	172.6	172.6	183.1	187.1	Tires, tubes, accessories, and other parts (d.)	44.4	45.9	45.8	45.3	46.7	45.4
Men's and boys' (n.d.)	92.0	95.2	95.3	92.9	97.3	100.5	Repair, greasing, washing, parking, storage, rental, and leasing (s.)	165.1	175.5	181.6	156.7	162.1	162.2
Standard clothing issued to military personnel (n.d.)	3.0	3.0	3.0	3.0	3.0	3.0	Gasoline and oil (n.d.)	129.3	164.4	162.1	136.4	135.7	138.8
Cleaning, storage, and repair of clothing and shoes (s.)	14.6	15.5	15.6	13.8	14.3	13.7	Bridge, tunnel, ferry, and road tolls (s.)	4.4	4.6	4.9	3.8	3.9	3.9
Jewelry and watches (d.)	48.5	51.1	51.0	53.7	58.1	58.0	Insurance (s.)	36.8	30.7	32.1	34.1	34.3	34.3
Other (s.)	27.0	29.5	30.8	25.6	27.1	27.0	Purchased local transportation	12.4	12.7	13.2	12.5	12.6	12.7
<b>Personal care</b>	<b>84.0</b>	<b>87.8</b>	<b>89.1</b>	<b>80.0</b>	<b>81.7</b>	<b>81.5</b>	Mass transit systems (s.)	8.6	9.1	9.5	8.7	9.0	9.1
Toilet articles and preparations (n.d.)	55.1	56.5	56.5	53.4	54.1	53.6	Taxicab (s.)	3.8	3.6	3.7	3.8	3.5	3.5
Barbershops, beauty parlors, and health clubs (s.)	28.9	31.2	32.6	26.6	27.6	27.8	Purchased intercity transportation	40.7	44.3	39.7	39.3	40.3	38.0
<b>Housing</b>	<b>912.6</b>	<b>960.0</b>	<b>1,014.5</b>	<b>835.0</b>	<b>851.3</b>	<b>866.0</b>	Railway (s.)	7.0	8.0	9.0	7.8	8.0	8.0
Owner-occupied nonfarm dwellings—space rent (s.)	666.4	704.9	751.0	610.7	627.3	643.5	Bus (s.)	2.0	1.5	1.5	1.8	1.3	1.3
Tenant-occupied nonfarm dwellings—rent (s.)	202.8	207.8	217.1	185.8	184.0	184.3	Airline (s.)	32.7	36.7	32.4	31.7	33.4	31.6
Rental value of farm dwellings (s.)	7.2	7.6	8.0	6.1	6.0	5.9	Other (s.)	5.3	5.2	4.8	5.0	4.7	4.3
Other (s.)	36.1	39.6	38.5	32.5	34.1	32.5	<b>Recreation</b>	<b>526.5</b>	<b>564.7</b>	<b>593.9</b>	<b>558.3</b>	<b>604.9</b>	<b>644.6</b>
<b>Household operation</b>	<b>677.7</b>	<b>723.9</b>	<b>747.3</b>	<b>677.7</b>	<b>712.2</b>	<b>721.8</b>	Books and maps (d.)	30.8	33.2	35.1	30.2	32.5	34.1
Furniture, including mattresses and bedspreads	60.3	64.4	64.0	60.6	65.0	65.7	Magazines, newspapers, and sheet music (n.d.)	32.5	34.2	35.0	31.8	31.8	32.1
Kitchen and other household appliances (d.)	34.1	35.7	36.1	35.5	37.5	38.3	Nondurable toys and sport supplies (n.d.)	60.4	62.7	66.7	67.8	74.5	82.6
China, glassware, tableware, and utensils (d.)	31.4	33.3	34.1	31.8	34.2	35.9	Wheel goods, sports and photographic equipment, boats, and pleasure aircraft (d.)	50.4	55.3	60.8	52.3	58.1	64.5
Other durable house furnishings (d.)	61.6	65.1	66.4	61.9	65.9	68.0	Video and audio goods, including musical instruments, and computer goods (d.)	98.1	106.3	105.6	152.7	185.5	211.5
Semidurable house furnishings (n.d.)	36.8	38.3	38.7	38.9	41.6	43.0	Video and audio goods, including musical instruments (d.)	66.7	71.8	72.7	78.3	90.7	99.0
Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n.d.)	56.9	59.3	61.7	54.4	54.4	54.6	Computers, peripherals, and software (d.)	31.4	34.5	32.9	91.0	122.0	152.6
Stationery and writing supplies (n.d.)	22.6	23.4	23.5	21.2	22.3	22.4	Radio and television repair (s.)	4.1	4.1	4.2	3.9	4.0	4.1
Household utilities	190.1	209.2	221.7	190.1	195.0	191.3	Flowers, seeds, and potted plants (n.d.)	16.7	17.5	18.5	17.4	17.5	17.9
Electricity (s.)	96.7	101.5	105.3	101.0	104.4	101.2	Admissions to specified spectator amusements	25.0	27.1	29.4	22.6	23.1	23.9
Gas (s.)	33.3	40.8	49.1	31.5	32.8	33.3	Motion picture theaters (s.)	7.6	7.8	8.7	6.9	6.6	7.1
Water and other sanitary services (s.)	46.6	48.8	50.7	43.0	43.9	44.4	Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.)	8.9	9.9	10.6	8.1	8.4	8.7
Fuel oil and coal (n.d.)	13.6	18.1	16.5	14.7	14.0	12.6	Spectator sports (s.)	8.5	9.5	10.1	7.7	8.1	8.4
Telephone and telegraph (s.)	122.3	130.6	136.5	127.1	141.1	151.2	Clubs and fraternal organizations (s.)	63.0	68.4	73.3	58.8	61.6	63.9
Domestic service (s.)	14.9	16.0	14.6	13.7	14.1	12.4	Commercial participant amusements (s.)	4.5	4.7	4.8	4.2	4.3	4.3
Other (s.)	46.6	48.5	50.0	43.0	42.9	42.9	Other (s.)	125.1	134.4	142.9	114.2	118.7	122.2
<b>Medical care</b>	<b>1,097.9</b>	<b>1,171.1</b>	<b>1,270.2</b>	<b>1,025.5</b>	<b>1,062.0</b>	<b>1,110.2</b>	<b>Education and research</b>	<b>152.1</b>	<b>164.0</b>	<b>174.9</b>	<b>136.8</b>	<b>141.3</b>	<b>144.9</b>
Drug preparations and sundries (n.d.)	139.2	156.3	176.4	129.4	140.6	152.3	Higher education (s.)	79.3	83.1	87.6	71.5	72.2	73.6
Ophthalmic products and orthopedic appliances (d.)	21.6	22.9	21.6	20.6	21.3	19.4	Nursery, elementary, and secondary schools (s.)	32.0	34.0	35.5	29.2	29.8	29.9
Physicians (s.)	230.3	244.3	266.7	218.7	228.0	242.7	Other (s.)	40.8	46.9	51.7	36.1	39.2	41.3
Dentists (s.)	58.3	62.7	67.5	51.1	52.5	54.4	<b>Religious and welfare activities (s.)</b>	<b>172.9</b>	<b>190.1</b>	<b>199.6</b>	<b>157.5</b>	<b>164.9</b>	<b>166.4</b>
Other professional services (s.)	137.0	142.8	153.5	126.5	128.5	133.9	<b>Foreign travel and other, net</b>	<b>-16.0</b>	<b>-16.1</b>	<b>-12.9</b>	<b>-11.7</b>	<b>-7.5</b>	<b>-5.0</b>
Hospitals and nursing homes (s.)	445.8	471.5	509.6	418.1	427.4	443.9	Foreign travel by U.S. residents (s.)	72.3	80.9	76.3	70.9	78.7	73.3
Hospitals:	370.7	392.3	425.9	350.7	359.8	378.9	Expenditures abroad by U.S. residents (n.d.)	3.2	3.3	3.6	3.6	4.0	4.4
Nonprofit (s.)	245.9	259.7	281.0	229.8	234.8	244.1	Less: Expenditures in the United States by nonresidents (s.)	89.6	98.3	90.6	84.2	88.2	80.6
Proprietary (s.)	42.4	44.8	50.8	41.0	42.2	46.6	Less: Personal remittances in kind to nonresidents (n.d.)	1.9	2.0	2.2	1.9	1.9	2.1
Government (s.)	82.5	87.8	94.1	79.9	82.8	86.2	<b>Residual</b>				-41.6	-72.6	-100.5
Nursing homes (s.)	75.1	79.2	83.6	67.5	67.7	67.5							
Health insurance	65.7	70.6	75.0	61.3	63.8	64.5							
Medical care and hospitalization (s.)	57.7	63.0	66.8	49.5	51.4	51.8							
Income loss (s.)	1.5	1.7	1.8	9	1.0	1.0							
Workers' compensation (s.)	6.5	5.9	6.4	10.8	11.4	12.1							

\* 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 house 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, chiroprodists, 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 agents' 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
<b>Private fixed investment in structures</b> .....	<b>678.5</b>	<b>731.0</b>	<b>759.9</b>	<b>617.9</b>	<b>638.5</b>	<b>634.9</b>
<b>Nonresidential</b> .....	<b>283.7</b>	<b>314.2</b>	<b>324.5</b>	<b>258.6</b>	<b>275.5</b>	<b>270.9</b>
New.....	283.1	313.5	320.8	258.0	274.7	267.7
Nonresidential buildings, excluding farm industrial.....	201.8	217.9	210.1	181.0	187.1	173.6
Commercial.....	28.7	28.0	25.6	25.8	24.0	21.1
Office buildings <sup>1</sup> .....	110.1	122.8	118.5	98.7	105.5	97.9
Other <sup>2</sup> .....	55.4	64.7	60.5	49.6	55.6	50.0
Religious.....	54.7	58.1	58.0	49.1	49.9	48.0
Educational.....	7.2	7.8	8.1	6.4	6.7	6.7
Hospital and institutional.....	10.3	12.4	13.7	9.3	10.6	11.3
Other <sup>3</sup> .....	15.1	16.1	16.8	13.5	13.8	13.9
Utilities.....	30.4	30.8	27.4	27.2	26.5	22.6
Railroads.....	47.3	53.7	55.0	45.7	50.4	50.3
Telecommunications.....	4.7	4.3	4.1	4.7	4.2	4.2
Electric light and power.....	18.3	18.7	18.4	18.2	18.2	17.3
Gas.....	14.7	21.3	22.7	14.0	19.5	20.1
Petroleum pipelines.....	8.1	8.5	8.9	7.6	7.6	7.8
Other <sup>4</sup> .....	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 <sup>5</sup> .....	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
<b>Residential</b> .....	<b>394.8</b>	<b>416.8</b>	<b>435.4</b>	<b>359.4</b>	<b>363.0</b>	<b>364.0</b>
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 <sup>5</sup> .....	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
<b>Private fixed investment in equipment and software</b> .....	<b>898.7</b>	<b>960.8</b>	<b>886.4</b>	<b>984.8</b>	<b>1,065.4</b>	<b>997.6</b>
<b>Nonresidential equipment and software</b> .....	<b>889.8</b>	<b>951.6</b>	<b>877.1</b>	<b>975.9</b>	<b>1,056.0</b>	<b>988.2</b>
Information processing equipment and software.....	402.3	446.9	404.3	508.1	583.3	548.5
Computers and peripheral equipment <sup>1</sup> .....	90.4	93.3	74.2	207.4	246.4	239.9
Software <sup>2</sup> .....	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
<b>Residential equipment</b> .....	<b>8.8</b>	<b>9.3</b>	<b>9.3</b>	<b>9.0</b>	<b>9.4</b>	<b>9.5</b>
Residual.....				-37.8	-56.3	-56.5
<b>Addenda:</b>						
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
<b>Total</b> .....	<b>5,308,801</b>	<b>5,723,399</b>	<b>5,874,879</b>	<b>4,475,588</b>	<b>4,836,329</b>	<b>4,950,605</b>							
<b>Domestic industries</b> .....	<b>5,314,546</b>	<b>5,729,274</b>	<b>5,881,042</b>	<b>4,481,333</b>	<b>4,842,204</b>	<b>4,956,768</b>							
<b>Private industries</b> <sup>1</sup> .....	<b>4,361,287</b>	<b>4,721,994</b>	<b>4,818,943</b>	<b>3,757,166</b>	<b>4,073,263</b>	<b>4,145,921</b>							
<b>Agriculture, forestry, and fishing</b> ...	<b>49,786</b>	<b>52,656</b>	<b>57,497</b>	<b>43,643</b>	<b>46,253</b>	<b>50,496</b>							
Farms .....	19,341	19,314	21,544	16,478	16,563	18,394							
Agricultural services, forestry, and fishing .....	30,445	33,342	35,953	27,165	29,690	32,102							
<b>Mining</b> .....	<b>34,234</b>	<b>36,534</b>	<b>39,627</b>	<b>29,256</b>	<b>31,204</b>	<b>33,844</b>							
Metal mining .....	2,917	2,600	2,421	2,446	2,161	1,996							
Coal mining .....	5,129	4,869	5,258	4,328	4,091	4,422							
Oil and gas extraction .....	20,749	23,512	26,240	17,827	20,205	22,555							
Nonmetallic minerals, except fuels .....	5,439	5,553	5,708	4,655	4,747	4,871							
<b>Construction</b> .....	<b>272,904</b>	<b>298,999</b>	<b>313,027</b>	<b>233,740</b>	<b>256,839</b>	<b>268,645</b>							
<b>Manufacturing</b> .....	<b>926,201</b>	<b>981,781</b>	<b>939,155</b>	<b>782,635</b>	<b>829,413</b>	<b>789,402</b>							
Durable goods .....	585,734	626,444	590,814	493,369	527,421	495,186							
Lumber and wood products .....	28,712	29,146	28,559	24,464	24,814	24,256							
Furniture and fixtures .....	18,727	19,707	18,929	15,955	16,759	16,047							
Stone, clay, and glass products .....	25,799	27,661	27,313	21,702	23,250	22,904							
Primary metal industries .....	37,240	38,213	35,730	30,851	31,572	29,317							
Fabricated metal products .....	66,605	69,559	67,318	56,015	58,339	56,259							
Industrial machinery and equipment .....	121,216	132,198	118,992	104,321	113,783	102,037							
Electronic and other electric equipment .....	97,771	114,544	103,720	82,973	97,365	87,785							
Motor vehicles and equipment .....	68,743	70,613	65,296	54,741	56,015	51,167							
Other transportation equipment .....	51,965	51,649	52,500	43,375	42,954	43,615							
Instruments and related products .....	53,491	57,079	56,364	45,974	48,993	48,311							
Miscellaneous manufacturing industries .....	15,465	16,165	16,093	12,998	13,577	13,488							
Nondurable goods .....	340,467	355,337	348,341	289,266	301,992	294,216							
Food and kindred products .....	66,468	70,102	71,808	56,619	59,780	60,977							
Tobacco products .....	2,758	2,946	3,130	2,168	2,321	2,464							
Textile mill products .....	18,269	18,054	16,411	15,709	15,520	13,990							
Apparel and other textile products .....	18,462	17,721	16,594	15,757	15,085	14,010							
Paper and allied products .....	34,474	35,062	34,378	29,663	30,154	29,399							
Printing and publishing .....	69,716	73,248	71,895	60,196	63,280	61,773							
Chemicals and allied products .....	77,224	83,713	80,990	64,397	69,950	67,159							
Petroleum and coal products .....	10,040	9,810	10,149	8,288	8,070	8,317							
Rubber and miscellaneous plastics products .....	40,582	42,232	40,731	34,345	35,730	34,208							
Leather and leather products .....	2,474	2,449	2,255	2,124	2,102	1,919							
<b>Transportation and public utilities</b> .....	<b>350,019</b>	<b>375,096</b>	<b>382,099</b>	<b>291,871</b>	<b>312,956</b>	<b>317,673</b>							
Transportation .....	187,764	198,545	203,768	155,015	163,976	167,777							
Railroad transportation .....	17,023	16,749	16,759	12,656	12,415	12,383							
Local and interurban passenger transit .....	11,952	12,684	13,272	10,185	10,814	11,291							
Trucking and warehousing <sup>2</sup> .....	70,671	74,287	75,765	58,645	61,625	62,623							
Water transportation .....	9,068	9,667	10,043	7,588	8,100	8,392							
Transportation by air <sup>2</sup> .....	59,591	64,005	66,426	49,281	52,887	54,721							
Pipelines, except natural gas .....	1,000	1,018	1,092	850	865	925							
Transportation services .....	18,459	20,135	20,411	15,810	17,270	17,442							
Public utilities .....	162,255	176,551	178,331	136,856	148,980	150,000							
<b>Communications</b> .....	<b>103,714</b>	<b>114,010</b>	<b>113,175</b>	<b>87,644</b>	<b>96,406</b>	<b>95,286</b>							
Telephone and telegraph .....	78,733	86,828	84,956	66,277	73,142	71,216							
Radio and television .....	24,981	27,182	28,219	21,367	23,264	24,070							
Electric, gas, and sanitary services .....	58,541	62,541	65,156	49,212	52,574	54,610							
<b>Wholesale trade</b> .....	<b>359,519</b>	<b>385,755</b>	<b>379,752</b>	<b>309,254</b>	<b>332,293</b>	<b>325,688</b>							
<b>Retail trade</b> .....	<b>478,563</b>	<b>511,114</b>	<b>531,075</b>	<b>420,523</b>	<b>449,515</b>	<b>465,818</b>							
<b>Finance, insurance, and real estate</b> .....	<b>458,091</b>	<b>501,923</b>	<b>531,995</b>	<b>395,757</b>	<b>434,720</b>	<b>459,937</b>							
Depository institutions .....	98,577	100,040	106,840	83,358	84,543	90,230							
Nondepository institutions .....	40,714	41,510	49,161	34,787	35,473	42,046							
Security and commodity brokers .....	107,093	135,094	138,866	95,771	120,994	124,161							
Insurance carriers .....	91,260	94,360	98,832	77,637	80,274	83,936							
Insurance agents, brokers, and service .....	38,697	41,075	44,766	33,701	35,800	38,956							
Real estate .....	57,599	61,891	66,628	49,811	53,588	57,620							
Holding and other investment offices .....	24,151	27,953	26,902	20,692	24,048	22,988							
<b>Services</b> .....	<b>1,431,970</b>	<b>1,578,136</b>	<b>1,644,716</b>	<b>1,250,487</b>	<b>1,380,070</b>	<b>1,434,418</b>							
Hotels and other lodging places .....	46,437	49,802	50,191	40,453	43,495	43,722							
Personal services .....	28,441	30,078	32,128	25,312	26,784	28,563							
Business services .....	351,919	412,930	405,062	309,610	363,879	355,624							
Auto repair, services, and parking .....	36,996	39,809	41,571	32,594	35,172	36,637							
Miscellaneous repair services .....	13,499	13,947	14,652	11,856	12,256	12,844							
Motion pictures .....	22,480	23,933	24,443	19,779	21,052	21,435							
Amusement and recreation services .....	47,274	51,547	52,647	41,316	45,082	45,929							
Health services .....	408,567	430,446	464,063	349,595	368,492	396,845							
Legal services .....	72,180	79,170	85,255	63,581	69,846	75,067							
Educational services .....	66,841	72,643	78,808	57,978	63,057	68,314							
Social services and membership organizations .....	114,376	123,692	131,746	101,619	109,876	116,749							
Social services .....	59,270	65,086	71,803	51,339	56,420	62,197							
Membership organizations .....	55,106	58,606	59,943	50,280	53,456	54,552							
Other services <sup>3</sup> .....	210,248	236,574	252,269	184,404	207,845	221,113							
Private households .....	12,712	13,565	11,881	12,389	13,234	11,576							
<b>Government</b> .....	<b>953,259</b>	<b>1,007,280</b>	<b>1,062,099</b>	<b>724,167</b>	<b>768,841</b>	<b>810,847</b>							
Federal .....	277,699	293,678	300,286	184,222	195,598	197,378							
General government .....	221,496	233,437	240,534	146,475	154,845	157,914							
Civilian .....	134,369	142,052	144,305	90,174	96,000	95,609							
Military <sup>4</sup> .....	87,127	91,385	96,229	56,301	58,845	62,305							
Government enterprises .....	56,203	60,241	59,752	37,747	40,753	39,464							
State and local .....	675,560	713,602	761,813	539,945	573,343	613,469							
General government .....	633,337	669,207	711,554	505,640	537,090	572,373							
Education .....	340,095	360,574	382,057	269,529	287,229	305,171							
Other <sup>1</sup> .....	293,242	308,633	329,497	236,111	249,861	267,202							
Government enterprises .....	42,223	44,395	50,259	34,305	36,253	41,096							
<b>Rest of the world</b> .....	<b>-5,745</b>	<b>-8,875</b>	<b>-6,163</b>	<b>-5,745</b>	<b>-8,875</b>	<b>-6,163</b>							
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 <sup>5</sup> .....	7,955	8,216	8,545	7,955	8,21								

**Table B.8. Employment by Industry**  
[Thousands]

	Full-time and part-time employees			Persons engaged in production <sup>1</sup>				Full-time and part-time employees			Persons engaged in production <sup>1</sup>		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
<b>Total</b> .....	<b>136,294</b>	<b>139,207</b>	<b>138,840</b>	<b>132,149</b>	<b>134,723</b>	<b>134,288</b>	Water transportation.....	188	194	192	185	191	197
<b>Domestic industries</b> .....	<b>136,861</b>	<b>139,787</b>	<b>139,448</b>	<b>132,635</b>	<b>135,220</b>	<b>134,809</b>	Transportation by air <sup>2</sup> .....	1,245	1,297	1,286	1,163	1,216	1,205
<b>Private industries</b> <sup>2</sup> .....	<b>114,320</b>	<b>116,778</b>	<b>116,014</b>	<b>113,888</b>	<b>116,177</b>	<b>115,364</b>	Pipelines, except natural gas.....	13	13	14	13	13	14
<b>Agriculture, forestry, and fishing</b> .....	<b>2,294</b>	<b>2,319</b>	<b>2,341</b>	<b>3,393</b>	<b>3,341</b>	<b>3,342</b>	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
<b>Mining</b> .....	<b>539</b>	<b>541</b>	<b>568</b>	<b>544</b>	<b>546</b>	<b>581</b>	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	<b>Wholesale trade</b> .....	<b>6,992</b>	<b>7,104</b>	<b>6,832</b>	<b>7,015</b>	<b>7,098</b>	<b>6,794</b>
Oil and gas extraction.....	296	308	338	304	315	354	<b>Retail trade</b> .....	<b>23,542</b>	<b>24,049</b>	<b>24,147</b>	<b>20,954</b>	<b>21,423</b>	<b>21,485</b>
Nonmetallic minerals, except fuels.....	113	114	113	110	112	110	<b>Finance, insurance, and real estate</b> .....	<b>7,705</b>	<b>7,743</b>	<b>7,856</b>	<b>7,809</b>	<b>7,840</b>	<b>7,861</b>
<b>Construction</b> .....	<b>6,704</b>	<b>7,007</b>	<b>7,038</b>	<b>8,023</b>	<b>8,368</b>	<b>8,350</b>	Depository institutions.....	2,049	2,036	2,047	1,928	1,904	1,904
<b>Manufacturing</b> .....	<b>18,673</b>	<b>18,567</b>	<b>17,702</b>	<b>18,663</b>	<b>18,507</b>	<b>17,682</b>	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	696	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	<b>Services</b> .....	<b>40,975</b>	<b>42,337</b>	<b>42,412</b>	<b>40,637</b>	<b>42,040</b>	<b>42,217</b>
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 <sup>4</sup> .....	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	<b>Government</b> .....	<b>22,541</b>	<b>23,009</b>	<b>23,434</b>	<b>18,747</b>	<b>19,043</b>	<b>19,445</b>
Leather and leather products.....	79	72	63	80	76	65	Federal.....	5,141	5,237	5,076	4,167	4,198	4,119
<b>Transportation and public utilities</b> .....	<b>6,896</b>	<b>7,111</b>	<b>7,118</b>	<b>6,850</b>	<b>7,014</b>	<b>7,052</b>	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 <sup>5</sup> .....	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 <sup>3</sup> .....	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 <sup>2</sup> .....	7,397	7,520	7,759	6,338	6,397	6,550
							Government enterprises <sup>2</sup> .....	854	869	976	875	881	992
							<b>Rest of the world</b> <sup>6</sup> .....	<b>-567</b>	<b>-580</b>	<b>-608</b>	<b>-486</b>	<b>-497</b>	<b>-521</b>

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 <sup>1</sup>				Wage and salary accruals per full-time equivalent employee			Full-time equivalent employees <sup>1</sup>		
	Dollars			Thousands				Dollars			Thousands		
	1999	2000	2001	1999	2000	2001		1999	2000	2001	1999	2000	2001
<b>Total</b> .....	<b>36,677</b>	<b>38,759</b>	<b>39,784</b>	<b>122,028</b>	<b>124,779</b>	<b>124,438</b>							
<b>Domestic industries</b> .....	<b>36,578</b>	<b>38,652</b>	<b>39,667</b>	<b>122,514</b>	<b>125,276</b>	<b>124,959</b>							
<b>Private industries</b> <sup>2</sup> .....	<b>36,208</b>	<b>38,343</b>	<b>39,293</b>	<b>103,767</b>	<b>106,233</b>	<b>105,514</b>							
<b>Agriculture, forestry, and fishing</b> .....	<b>21,124</b>	<b>22,258</b>	<b>24,219</b>	<b>2,066</b>	<b>2,078</b>	<b>2,085</b>							
Farms .....	20,832	21,708	24,657	791	763	746							
Agricultural services, forestry, and fishing .....	21,306	22,578	23,975	1,275	1,315	1,339							
<b>Mining</b> .....	<b>55,409</b>	<b>58,875</b>	<b>60,871</b>	<b>528</b>	<b>530</b>	<b>556</b>							
Metal mining .....	55,591	54,025	57,029	44	40	35							
Coal mining .....	51,524	53,130	55,275	84	77	80							
Oil and gas extraction .....	61,472	66,904	68,142	290	302	331							
Nonmetallic minerals, except fuels .....	42,318	42,766	44,282	110	111	110							
<b>Construction</b> .....	<b>36,138</b>	<b>37,899</b>	<b>39,385</b>	<b>6,468</b>	<b>6,777</b>	<b>6,821</b>							
<b>Manufacturing</b> .....	<b>42,821</b>	<b>45,675</b>	<b>45,580</b>	<b>18,277</b>	<b>18,159</b>	<b>17,319</b>							
Durable goods .....	44,835	47,930	47,409	11,004	11,004	10,445							
Lumber and wood products .....	28,986	30,005	30,978	844	827	783							
Furniture and fixtures .....	29,601	30,694	31,465	539	546	510							
Stone, clay, and glass products .....	38,616	40,718	40,900	562	571	560							
Primary metal industries .....	44,582	45,493	45,808	692	694	640							
Fabricated metal products .....	37,145	38,305	39,096	1,508	1,523	1,439							
Industrial machinery and equipment .....	49,629	54,703	51,717	2,102	2,080	1,973							
Electronic and other electric equipment .....	50,348	57,307	54,729	1,648	1,699	1,604							
Motor vehicles and equipment .....	53,879	55,296	54,783	1,016	1,013	934							
Other transportation equipment .....	50,087	51,877	54,315	866	828	803							
Instruments and related products .....	54,993	58,957	58,347	836	831	828							
Miscellaneous manufacturing industries .....	33,243	34,635	36,356	391	392	371							
Nondurable goods .....	39,773	42,207	42,801	7,273	7,155	6,874							
Food and kindred products .....	34,149	35,990	36,755	1,658	1,661	1,659							
Tobacco products .....	60,222	68,265	74,667	36	34	33							
Textile mill products .....	28,458	29,394	29,957	552	528	467							
Apparel and other textile products .....	23,344	25,268	25,944	675	597	540							
Paper and allied products .....	44,876	46,462	47,265	661	649	622							
Printing and publishing .....	41,061	43,254	43,533	1,466	1,463	1,419							
Chemicals and allied products .....	62,949	68,311	66,825	1,023	1,024	1,005							
Petroleum and coal products .....	63,754	64,560	67,618	130	125	123							
Rubber and miscellaneous plastics products .....	34,483	35,623	36,199	996	1,003	945							
Leather and leather products .....	27,947	29,606	31,459	76	71	61							
<b>Transportation and public utilities</b> .....	<b>45,449</b>	<b>47,310</b>	<b>48,009</b>	<b>6,422</b>	<b>6,615</b>	<b>6,617</b>							
Transportation .....	37,201	38,429	39,607	4,167	4,267	4,236							
Railroad transportation .....	60,555	61,766	64,495	209	201	192							
Local and interurban passenger transit .....	22,785	23,663	24,439	447	457	462							
Trucking and warehousing <sup>3</sup> .....	33,977	35,014	35,744	1,726	1,760	1,752							
Water transportation .....	43,114	44,751	46,883	176	181	179							
Transportation by air <sup>3</sup> .....	42,520	43,817	45,715	1,159	1,207	1,197							
Pipelines, except natural gas .....	65,385	66,538	66,071	13	13	14							
Transportation services .....	36,178	38,549	39,641	437	448	440							
Communications .....	62,336	64,057	62,157	1,406	1,505	1,533							
Telephone and telegraph .....	66,079	67,661	64,683	1,003	1,081	1,101							
Radio and television .....	53,020	54,868	55,718	403	424	432							
Electric, gas, and sanitary services .....	57,955	62,365	64,399	849	843	848							
<b>Wholesale trade</b> .....	<b>45,986</b>	<b>48,738</b>	<b>49,701</b>	<b>6,725</b>	<b>6,818</b>	<b>6,553</b>							
<b>Retail trade</b> .....	<b>21,445</b>	<b>22,264</b>	<b>23,009</b>	<b>19,609</b>	<b>20,190</b>	<b>20,245</b>							
<b>Finance, insurance, and real estate</b> .....	<b>55,374</b>	<b>60,817</b>	<b>63,738</b>	<b>7,147</b>	<b>7,148</b>	<b>7,216</b>							
Depository institutions .....	43,370	44,473	47,440	1,922	1,901	1,902							
Nondepository institutions .....	51,999	54,997	62,849	669	645	669							
Security and commodity brokers .....	139,608	161,541	161,879	666	749	767							
Insurance carriers .....	50,876	53,623	56,409	1,526	1,497	1,488							
Insurance agents, brokers, and service .....	45,358	48,118	51,325	743	744	759							
Real estate .....	36,492	39,115	41,364	1,365	1,370	1,393							
Holding and other investment offices .....	87,678	99,372	96,588	236	242	238							
<b>Services</b> .....	<b>34,236</b>	<b>36,396</b>	<b>37,647</b>	<b>36,525</b>	<b>37,918</b>	<b>38,102</b>							
Hotels and other lodging places .....	23,657	24,727	25,229	1,710	1,759	1,733							
Personal services .....	21,024	21,811	22,759	1,204	1,228	1,255							
Business services .....	35,235	38,706	39,444	8,787	9,401	9,016							
Auto repair, services, and parking .....	25,685	26,788	27,321	1,269	1,313	1,341							
Miscellaneous repair services .....	32,482	34,235	35,383	365	358	363							
Motion pictures .....	40,781	43,406	45,413	485	485	472							
Amusement and recreation services .....	28,513	29,446	30,763	1,449	1,531	1,493							
Health services .....	37,765	39,256	41,022	9,257	9,387	9,674							
Legal services .....	62,580	67,484	71,019	1,016	1,035	1,057							
Educational services .....	28,104	29,356	30,538	2,063	2,148	2,237							
Social services and membership organizations .....	21,901	22,786	23,729	4,640	4,822	4,920							
Social services .....	20,228	21,139	22,071	2,538	2,669	2,818							
Membership organizations .....	23,920	24,829	25,952	2,102	2,153	2,102							
Other services <sup>4</sup> .....	53,951	57,447	58,682	3,418	3,618	3,768							
Private households .....	14,372	15,887	14,975	862	833	773							
<b>Government</b> .....	<b>38,628</b>	<b>40,379</b>	<b>41,700</b>	<b>18,747</b>	<b>19,043</b>	<b>19,445</b>							
Federal .....	44,210	46,593	47,919	4,167	4,198	4,119							
General government .....	43,464	45,329	47,308	3,370	3,416	3,338							
Civilian .....	49,519	51,364	53,413	1,821	1,869	1,790							
Military <sup>5</sup> .....	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 <sup>6</sup> .....	37,253	39,059	40,794	6,338	6,397	6,550							
Government enterprises <sup>2</sup> .....	39,206	41,150	41,427	875	881	992							
<b>Rest of the world</b> <sup>6</sup> .....				<b>-486</b>	<b>-497</b>	<b>-521</b>							

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
<b>Farm output</b> .....	<b>207.5</b>	<b>214.3</b>	<b>221.3</b>	<b>244.1</b>	<b>249.2</b>	<b>246.1</b>
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
<b>Less: Intermediate goods and services purchased</b> .....	<b>132.3</b>	<b>136.5</b>	<b>140.7</b>	<b>137.2</b>	<b>133.3</b>	<b>134.6</b>
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
<b>Equals: Gross farm product</b> .....	<b>75.2</b>	<b>77.8</b>	<b>80.6</b>	<b>108.1</b>	<b>120.5</b>	<b>114.3</b>
<b>Less: Consumption of fixed capital</b> .....	<b>28.9</b>	<b>28.7</b>	<b>29.4</b>	<b>27.7</b>	<b>27.0</b>	<b>27.3</b>
<b>Equals: Net farm product</b> .....	<b>46.3</b>	<b>49.2</b>	<b>51.2</b>	<b>80.9</b>	<b>97.9</b>	<b>89.5</b>
<b>Less: Indirect business tax and nontax liability</b> .....	<b>5.3</b>	<b>5.4</b>	<b>5.6</b>			
<b>Plus: Subsidies to operators</b> .....	<b>18.4</b>	<b>19.5</b>	<b>17.7</b>			
<b>Equals: Farm national income</b> .....	<b>59.3</b>	<b>63.3</b>	<b>63.2</b>			
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
<b>Housing output</b> <sup>1</sup> .....	<b>876.4</b>	<b>920.3</b>	<b>976.0</b>	<b>802.5</b>	<b>817.2</b>	<b>833.6</b>
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
<b>Less: Intermediate goods and services consumed</b> .....	<b>116.9</b>	<b>116.3</b>	<b>138.4</b>	<b>105.5</b>	<b>101.3</b>	<b>115.9</b>
<b>Equals: Gross housing product</b> .....	<b>759.5</b>	<b>804.0</b>	<b>837.6</b>	<b>697.0</b>	<b>716.1</b>	<b>717.5</b>
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
<b>Less: Consumption of fixed capital</b> .....	<b>145.4</b>	<b>152.5</b>	<b>166.1</b>	<b>132.2</b>	<b>132.7</b>	<b>140.0</b>
Capital consumption allowances .....	77.8	81.8	88.4			
Less: Capital consumption adjustment .....	-67.6	-70.7	-77.7			
<b>Equals: Net housing product</b> .....	<b>614.1</b>	<b>651.5</b>	<b>671.4</b>	<b>478.7</b>	<b>494.5</b>	<b>489.4</b>
<b>Less: Indirect business tax and nontax liability plus business transfer payments</b> .....	<b>135.7</b>	<b>140.7</b>	<b>146.0</b>			
<b>Plus: Subsidies less current surplus of government enterprises</b> .....	<b>23.7</b>	<b>23.8</b>	<b>24.3</b>			
<b>Equals: Housing national income</b> .....	<b>502.2</b>	<b>534.6</b>	<b>549.8</b>			
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**  
 [Yearend 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
<b>Private fixed assets</b> .....	<b>16,722.5</b>	<b>17,653.1</b>	<b>18,649.6</b>	<b>19,880.4</b>	<b>21,215.2</b>	<b>22,190.4</b>	<b>100.0</b>	<b>102.96</b>	<b>106.36</b>	<b>109.89</b>	<b>113.63</b>	<b>116.62</b>
<b>Equipment and software</b> .....	<b>3,416.3</b>	<b>3,585.3</b>	<b>3,779.2</b>	<b>4,013.2</b>	<b>4,288.3</b>	<b>4,411.0</b>	<b>100.0</b>	<b>105.94</b>	<b>113.09</b>	<b>120.44</b>	<b>128.62</b>	<b>133.36</b>
<b>Nonresidential equipment and software</b> .....	<b>3,352.2</b>	<b>3,519.8</b>	<b>3,711.6</b>	<b>3,943.9</b>	<b>4,215.5</b>	<b>4,335.1</b>	<b>100.0</b>	<b>105.98</b>	<b>113.19</b>	<b>120.59</b>	<b>128.83</b>	<b>133.57</b>
Information processing equipment and software.....	906.0	974.8	1,035.9	1,137.4	1,259.0	1,287.8	100.0	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	100.0	142.35	201.39	279.41	355.94	398.10
Software <sup>1</sup> .....	173.7	200.7	236.4	280.3	324.5	345.5	100.0	116.25	137.85	160.73	180.67	191.64
Communication equipment.....	363.8	388.2	399.9	430.2	482.9	498.6	100.0	108.02	118.26	131.85	151.45	161.64
Instruments.....	175.0	181.9	191.3	201.3	213.7	226.6	100.0	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	100.0	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	100.0	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	100.0	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	100.0	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	100.0	100.11	100.99	99.32	103.46	110.97
Steam engines.....	50.4	51.2	51.5	50.5	52.8	57.3	100.0	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	100.0	106.25	112.51	124.76	133.79	136.56
Metalworking machinery.....	219.2	227.8	237.8	244.1	252.9	254.4	100.0	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	100.0	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	100.0	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	100.0	104.29	108.04	111.94	116.67	121.65
Transportation equipment.....	690.4	716.5	764.2	816.4	873.7	898.1	100.0	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	100.0	111.12	125.02	140.52	151.11	153.83
Autos.....	159.0	159.9	157.8	157.3	155.4	156.9	100.0	101.49	100.75	103.40	105.31	104.55
Aircraft.....	147.1	149.6	158.5	163.4	189.6	210.8	100.0	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	100.0	99.16	98.31	96.27	96.47	96.48
Railroad equipment.....	77.1	77.1	79.1	82.3	84.6	83.8	100.0	101.34	103.91	107.32	109.74	109.07
Other equipment.....	636.8	671.6	712.0	749.4	790.1	820.6	100.0	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	100.0	104.92	111.13	117.33	124.23	127.24
Household furniture.....	9.0	9.1	9.3	9.6	10.0	10.3	100.0	100.37	102.37	105.65	109.33	111.57
Other furniture.....	169.2	180.2	191.1	203.9	218.5	225.6	100.0	105.16	111.59	117.95	125.02	128.07
Tractors.....	59.3	63.4	67.8	69.3	71.4	74.0	100.0	106.36	112.79	114.59	117.87	121.70
Farm tractors.....	48.6	51.7	54.9	55.6	56.9	58.9	100.0	105.88	111.71	112.75	115.42	119.51
Construction tractors.....	10.6	11.7	13.0	13.8	14.5	15.1	100.0	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	100.0	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	100.0	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	100.0	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	100.0	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	100.0	106.49	116.43	125.56	137.79	151.19
Household appliances.....	2.9	2.8	2.9	2.9	2.9	3.0	100.0	99.49	100.73	102.27	104.57	107.97
Other.....	41.9	44.1	48.0	51.0	55.6	60.8	100.0	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	100.0	104.39	109.56	115.27	121.30	125.87
<b>Residential equipment</b> .....	<b>64.1</b>	<b>65.5</b>	<b>67.6</b>	<b>69.3</b>	<b>72.8</b>	<b>75.9</b>	<b>100.0</b>	<b>103.62</b>	<b>107.61</b>	<b>112.38</b>	<b>117.44</b>	<b>122.13</b>
<b>Structures</b> .....	<b>13,306.3</b>	<b>14,067.9</b>	<b>14,870.4</b>	<b>15,867.2</b>	<b>16,926.9</b>	<b>17,779.4</b>	<b>100.0</b>	<b>102.21</b>	<b>104.70</b>	<b>107.35</b>	<b>110.10</b>	<b>112.70</b>
<b>Nonresidential structures</b> .....	<b>5,175.0</b>	<b>5,487.0</b>	<b>5,746.2</b>	<b>6,069.9</b>	<b>6,480.0</b>	<b>6,767.2</b>	<b>100.0</b>	<b>102.04</b>	<b>104.33</b>	<b>106.70</b>	<b>109.30</b>	<b>111.56</b>
Nonresidential buildings, excluding farm.....	3,285.6	3,498.9	3,740.8	4,012.5	4,296.2	4,506.6	100.0	102.71	105.66	108.59	111.63	114.11
Industrial buildings.....	729.2	765.4	806.4	843.0	878.1	898.2	100.0	101.24	102.57	102.83	102.85	102.52
Office buildings <sup>2</sup> .....	756.3	804.9	865.5	936.1	1,015.8	1,075.1	100.0	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	100.0	103.19	106.22	109.20	112.27	115.01
Mobile structures.....	8.5	8.9	9.3	9.9	10.4	10.9	100.0	102.63	106.13	109.33	112.96	116.05
Other commercial <sup>3</sup> .....	835.2	893.7	956.0	1,025.9	1,098.9	1,154.9	100.0	103.20	106.22	109.20	112.27	115.01
Religious buildings.....	145.7	153.9	163.5	176.0	189.1	199.2	100.0	101.88	104.09	107.31	110.68	113.67
Educational buildings.....	137.9	149.7	163.7	179.1	197.0	212.8	100.0	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	100.0	102.61	105.08	108.00	110.98	113.94
Other.....	345.1	373.6	405.3	444.5	481.0	506.7	100.0	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	100.0	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	100.0	105.11	109.88	114.96	118.95	121.84
Other nonfarm buildings <sup>4</sup> .....	75.0	77.7	80.3	85.9	90.0	92.5	100.0	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	100.0	100.87	102.20	104.18	106.33	108.39
Railroad.....	299.2	301.2	295.4	286.2	287.1	278.8	100.0	99.54	99.33	98.82	98.16	97.55
Telecommunications.....	235.3	239.5	243.0	258.7	280.5	301.9	100.0	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	100.0	101.01	101.85	103.18	105.12	107.20
Gas.....	168.9	176.7	187.6	198.1	207.9	212.0	100.0	101.34	105.96	107.89	109.81	111.82
Petroleum pipelines.....	42.1	43.4	44.3	46.3	47.7	47.5	100.0	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	100.0	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	100.0	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	100.0	101.82	103.17	103.18	105.15	107.90
Other mining.....	33.8	35.2	36.2	37.2	38.2	38.8	100.0	100.25	99.25	97.95	96.41	95.49
Other nonfarm structures <sup>5</sup> .....	144.8	152.1	156.9	164.6	173.6	181.8	100.0	101.40	102.97	104.62	106.43	108.06
<b>Residential structures</b> .....	<b>8,131.2</b>	<b>8,580.8</b>	<b>9,124.2</b>	<b>9,797.4</b>	<b>10,447.0</b>	<b>11,012.3</b>	<b>100.0</b>	<b>102.31</b>	<b>104.95</b>	<b>107.77</b>	<b>110.61</b>	<b>113.44</b>
Housing units.....	6,624.6	6,995.2	7,449.5	8,016.1	8,545.6	9,017.7	100.0	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	100.0	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	100.0	102.38	105.18	108.17	111.20	114.26
Farm.....	126.9	130.4	135.0	143.1	149.4	154.5	100.0	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	100.0	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	1,104.0	100.0	100.94	101.92	103.08	104.19	105.33
Manufactured homes.....	141.6	150.2	160.4	170.7	175.8	180.4	100.0	104.68	109.71	113.94	115.74	



## 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	89.66	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
2002	9,439.9	9,424.4	9,433.5	2.4	1.8	110.66	109.90	110.66	110.63	1.1	1.2	1.1	1.1
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	2,360.0	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.....	2,988.9	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	25.04	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	29.18	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	38.79	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	71.25	3.4	3.4	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	3.7	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.....	8,896.9	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	3.7	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	2.2
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.....	9,485.6	9,457.2	9,477.9	4.0	3.4	110.76	110.11	110.76	110.73	1.0	1.0	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**

	2001	2002	2002					2003							
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>Consumer and producer prices, (monthly data seasonally adjusted)<sup>1</sup></b>															
Consumer price index for all urban consumers, 1982-84=100:															
All items .....	177.1	179.9	180.5	180.9	181.2	181.4	181.6	182.2	183.3	183.9	183.3	183.3	183.6	183.9	184.5
Commodities .....	150.7	149.7	150.2	150.3	150.4	150.3	150.0	150.5	152.2	152.8	151.3	150.2	150.5	150.7	151.5
Services .....	203.4	209.8	210.7	211.2	211.8	212.3	212.9	213.6	214.1	214.9	215.1	216.1	216.4	216.9	217.3
All items less food and energy .....	186.1	190.5	191.1	191.4	191.6	191.8	192.1	192.3	192.5	192.5	192.5	193.0	193.0	193.4	193.6
Food .....	173.1	176.2	176.0	176.4	176.6	177.0	177.3	177.0	178.2	178.5	178.3	178.9	179.7	179.8	180.4
Energy .....	129.3	121.7	123.9	124.4	126.2	125.6	125.1	130.1	137.8	144.2	137.5	133.3	134.4	135.0	138.7
Producer price index, 1982=100:															
Finished goods .....	140.7	138.9	138.6	139.0	140.1	139.7	139.3	141.2	142.8	144.8	142.4	141.8	142.6	142.8	143.4
Consumer goods .....	141.5	139.4	139.2	139.6	141.0	140.5	140.1	142.5	144.8	147.2	144.2	143.4	144.4	144.5	145.3
Capital equipment .....	139.7	139.1	138.6	139.0	139.3	139.1	138.8	139.2	139.0	139.8	139.0	139.1	139.2	139.7	139.8
Less food and energy .....	150.0	150.2	149.8	150.2	150.7	150.5	149.6	150.1	149.9	150.9	149.9	150.1	150.0	150.3	150.5
Intermediate materials .....	129.7	127.8	128.2	128.9	129.8	129.7	129.6	131.2	133.8	136.6	133.4	132.5	133.1	133.3	134.0
Less food and energy .....	136.4	135.8	136.2	136.4	136.7	136.8	136.7	137.2	138.2	138.7	138.4	138.4	138.4	138.3	138.5
Crude materials .....	121.0	108.1	107.8	110.2	112.6	111.8	119.1	128.2	134.9	152.4	128.3	130.1	136.1	132.1	130.3
Less energy .....	130.7	135.7	139.5	139.2	139.6	141.5	141.8	143.6	148.5	148.1	146.4	145.4	144.5	145.6	151.0
<b>Money, interest rates, and stock prices</b>															
Money stock (monthly and quarterly data seasonally adjusted): <sup>2</sup>															
Percent change:															
M1 .....			-0.94	0.57	0.96	-0.03	0.68	0.21	1.68	0.29	0.03	1.69	1.10	0.44	0.58
M2 .....			0.67	0.45	0.67	0.70	0.26	0.50	0.91	0.21	0.39	1.48	0.79	0.80	0.66
Ratio:															
Gross domestic product to M1 .....	8.867	8.769	8.825			8.787			8.705			8.601			
Personal income to M2 .....	1.664	1.589	1.579	1.576	1.566	1.559	1.562	1.556	1.546	1.546	1.544	1.527	1.521	1.513	1.507
Interest rates (percent, not seasonally adjusted): <sup>2</sup>															
Prime rate charged by banks .....	6.92	4.68	4.75	4.75	4.75	4.35	4.25	4.25	4.25	4.25	4.25	4.25	4.22	4.00	4.00
3-month Treasury bills, secondary market .....	3.39	1.60	1.62	1.63	1.58	1.23	1.19	1.17	1.13	1.13	1.13	1.07	0.92	0.90	0.95
3-Year U.S. Treasury bonds .....	4.08	3.10	2.52	2.32	2.25	2.32	2.23	2.18	2.05	1.98	2.06	1.75	1.51	1.93	2.44
10-Year U.S. Treasury bonds .....	5.02	4.61	4.26	3.87	3.94	4.05	4.03	4.05	3.90	3.81	3.96	3.57	3.33	3.98	4.45
Federal funds rate .....	3.89	1.67	1.74	1.75	1.75	1.34	1.24	1.24	1.26	1.25	1.26	1.26	1.22	1.01	1.03
New home mortgages .....	6.97	6.54	6.29	6.09	6.11	6.07	6.05	5.92	5.84	5.75	5.81	5.48	5.23	5.63	6.26
Index of stock prices (not seasonally adjusted): <sup>3</sup>															
500 common stocks, 1941-43=10 .....	1,194.18	993.94	912.55	867.81	854.63	909.93	899.18	895.84	837.62	846.62	890.03	935.96	988.00	992.54	989.53
<b>Labor markets (thousands, monthly and quarterly data seasonally adjusted, unless otherwise noted)<sup>1</sup></b>															
Civilian labor force .....	143,734	144,863	145,123	145,634	145,393	145,180	145,150	145,838	145,857	145,793	146,473	146,485	147,096	146,540	146,530
Labor force participation rates (percent):															
Total .....	66.8	66.6	66.6	66.8	66.6	66.4	66.4	66.3	66.3	66.2	66.4	66.4	66.6	66.2	66.2
Males, age 20 and over .....	76.5	76.3	76.4	76.6	76.3	76.0	75.9	75.8	76.0	75.9	76.1	76.0	76.1	75.9	75.7
Females, age 20 and over .....	60.6	60.5	60.5	60.6	60.6	60.5	60.6	60.7	60.5	60.6	60.7	60.7	61.0	60.7	60.6
Both sexes, age 16-19 .....	49.6	47.4	47.3	48.1	47.2	47.0	46.3	46.0	45.5	44.1	45.0	45.1	45.1	44.3	44.3
Civilian employment .....	136,933	136,485	136,757	137,312	136,988	136,542	136,439	137,536	137,408	137,348	137,687	137,487	137,738	137,478	137,625
Ratio, civilian employment to working-age population (percent) .....	63.7	62.7	62.8	63.0	62.7	62.5	62.4	62.5	62.4	62.3	62.4	62.3	62.3	62.1	62.1
Employees on nonagricultural payrolls .....			130,224	130,289	130,408	130,409	130,198	130,356	130,235	130,084	130,062	129,986	129,903	129,846	129,805
Goods-producing industries .....			22,527	22,497	22,435	22,409	22,323	22,288	22,191	22,159	22,119	22,098	22,061	22,001	21,972
Services-producing industries .....			107,697	107,792	107,973	108,000	107,875	108,068	108,044	107,925	107,943	107,888	107,842	107,845	107,833
Hours of production workers:															
Average weekly hours, total private sector .....	34.0	33.9	33.9	33.9	33.8	33.8	33.8	33.8	33.7	33.8	33.7	33.7	33.7	33.6	33.7
Average weekly hours, manufacturing .....	40.3	40.5	40.5	40.5	40.3	40.4	40.5	40.4	40.4	40.4	40.1	40.2	40.3	40.1	40.2
Average weekly overtime hours, manufacturing .....	4.0	4.2	4.2	4.2	4.2	4.3	4.3	4.4	4.3	4.1	4.0	4.1	4.0	4.1	4.0
Number of persons unemployed .....	6,801	8,378	8,366	8,321	8,405	8,637	8,711	8,302	8,450	8,445	8,786	8,998	9,358	9,062	8,905
Unemployment rates (percent):															
Total .....	4.7	5.8	5.8	5.7	5.8	5.9	6.0	5.7	5.8	5.8	6.0	6.1	6.4	6.2	6.1
Males, age 20 and over .....	4.2	5.3	5.3	5.3	5.4	5.6	5.6	5.4	5.3	5.3	5.6	5.9	6.1	5.9	5.8
Females, age 20 and over .....	4.1	5.1	5.0	5.0	5.2	5.0	5.2	4.7	5.0	5.0	5.1	5.1	5.2	5.2	5.2
Both sexes, age 16-19 .....	14.7	16.5	16.9	16.2	15.1	16.8	16.4	16.8	17.1	17.7	18.0	18.5	19.3	18.4	16.6
15 weeks and over .....	1.2	2.0	2.0	2.1	2.1	2.2	2.3	2.2	2.2	2.1	2.2	2.2	2.4	2.5	2.4
Average weeks unemployed .....	13.1	16.6	16.3	17.8	17.6	17.9	18.4	18.4	18.6	18.0	19.6	19.2	19.8	19.3	19.0
Median weeks unemployed .....	6.8	9.1	8.7	9.5	9.6	9.4	9.6	9.8	9.4	9.6	10.2	10.1	12.3	10.0	9.6
Productivity and costs, nonfarm business sector, 1992=100:															
Indexes:															
Output per hour of all persons .....	118.3	124.7	125.5			126.0			126.7			128.8			
Unit labor costs .....	116.5	113.6	113.3			113.3			113.8			113.0			
Hourly compensation .....	137.8	141.7	142.2			142.8			144.2			145.6			
Percent change from preceding period, annual rate:															
Output per hour .....	1.9	5.4	5.9			1.7			2.1			6.8			
Unit labor costs .....	1.7	-2.4	-3.7			-0.1			2.0			-2.8			
Real hourly compensation .....	0.8	1.2	-0.2			-0.4			0.2			3.2			

See footnotes at end of table.

Table D.1. Domestic Perspectives—Continued

	2001	2002	2002					2003							
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Construction (monthly data seasonally adjusted at annual rates) <sup>4</sup>															
New construction put in place (billions of dollars).....	852.6	860.9	848.6	854.9	861.9	870.0	872.1	883.2	876.5	875.2	871.9	871.9	878.8	880.8	882.7
Private construction.....	652.5	650.5	638.1	641.5	651.1	656.4	658.2	667.6	665.1	668.8	662.8	660.9	661.5	664.8	665.4
Residential buildings.....	388.3	421.5	423.6	425.7	429.9	434.4	441.5	450.0	448.5	447.1	443.9	444.9	444.4	447.0	453.4
Other.....	264.2	229.0	214.6	215.8	221.2	222.0	216.8	217.6	216.5	221.6	218.9	216.1	217.1	217.8	212.0
Public construction.....	200.1	210.4	210.5	213.3	210.8	213.6	213.8	215.6	211.4	206.5	209.1	210.9	217.2	216.0	217.3
Housing starts (thousands of units):.....															
Total.....	1,603	1,705	1,630	1,810	1,653	1,760	1,815	1,828	1,640	1,742	1,627	1,745	1,844	1,892	1,820
1-unit structures.....	1,273	1,359	1,249	1,449	1,366	1,403	1,462	1,509	1,312	1,393	1,357	1,389	1,499	1,537	1,476
New 1-family houses sold (thousands of units).....	908	973	1,025	1,057	1,005	1,022	1,052	1,009	935	1,008	1,004	1,081	1,179	1,112	1,150
Manufacturing and trade, inventories and sales (millions of dollars, monthly data seasonally adjusted) <sup>4</sup>															
Inventories:															
Total manufacturing and trade.....			1,151,442	1,158,420	1,160,224	1,163,611	1,169,352	1,172,045	1,179,647	1,183,281	1,183,557	1,179,925	1,180,343	1,179,574	.....
Manufacturing.....			442,827	443,595	443,545	442,499	444,188	444,220	446,088	445,180	445,207	444,049	442,666	440,361	.....
Retail trade.....			422,377	427,879	430,960	434,693	436,317	439,120	443,879	447,163	448,258	446,914	448,758	450,177	.....
Merchant wholesalers.....			286,238	286,946	285,719	286,419	288,847	288,705	289,680	290,938	290,092	288,962	288,919	289,036	.....
Sales:															
Total manufacturing and trade.....	9,832,480	9,888,161	833,532	829,784	833,517	835,360	834,194	844,999	837,850	851,680	836,843	838,547	849,696	862,897	.....
Manufacturing.....	3,970,499	3,891,753	326,168	326,165	329,349	326,527	323,362	329,665	325,591	330,764	322,608	323,920	328,643	336,923	.....
Retail trade.....	3,153,315	3,245,407	274,858	271,307	271,703	273,570	277,100	278,356	274,066	280,369	279,601	280,578	283,318	287,245	.....
Merchant wholesalers.....	2,708,666	2,751,001	232,506	232,312	232,465	235,263	233,732	236,978	238,193	240,547	234,634	234,049	237,735	238,729	.....
Inventories-sales ratio:															
Total manufacturing and trade.....			9.07	1.40	1.39	1.39	1.40	1.39	1.41	1.39	1.41	1.41	1.39	1.37	.....
Manufacturing.....			1.36	1.36	1.35	1.36	1.37	1.35	1.37	1.35	1.38	1.37	1.35	1.31	.....
Retail trade.....			12.57	1.58	1.59	1.59	1.57	1.58	1.62	1.59	1.60	1.59	1.58	1.57	.....
Merchant wholesalers.....			1.23	1.24	1.23	1.22	1.24	1.22	1.22	1.21	1.24	1.23	1.22	1.21	.....
Industrial production indexes and capacity utilization rates (monthly data seasonally adjusted) <sup>2</sup>															
Industrial production indexes, 1997=100:															
Total.....	111.2	110.8	111.3	111.2	110.6	110.8	109.9	110.7	110.7	110.1	109.5	109.5	109.3	110.1	110.2
Final products.....	109.0	108.1	107.6	107.4	106.6	107.1	106.0	107.1	107.2	106.7	106.3	106.4	106.4	106.9	107.0
Consumer goods.....	106.5	107.0	107.8	107.9	107.0	107.8	106.6	107.7	107.8	107.2	106.8	106.7	106.6	107.2	107.1
Business equipment.....	117.3	112.3	108.1	106.9	106.0	106.1	104.6	105.6	105.9	105.5	104.8	105.1	105.4	105.7	106.3
Nonindustrial supplies.....	115.3	114.9	115.4	115.8	115.4	114.9	113.9	114.4	114.7	113.8	113.0	113.4	112.9	113.5	113.8
Materials.....	111.8	112.0	113.6	113.4	112.8	113.1	112.4	113.0	112.8	112.1	111.4	111.1	110.9	112.1	112.1
Capacity utilization rates (percent):															
Total industry.....	77.3	75.6	76.1	76.0	75.5	75.6	74.9	75.4	75.3	74.8	74.3	74.3	74.1	74.6	74.6
Manufacturing.....	75.6	73.7	74.3	74.1	73.7	73.7	73.0	73.3	73.3	73.1	72.5	72.5	72.6	72.9	72.7
Credit market borrowing (billions of dollars, quarterly data seasonally adjusted at annual rates) <sup>2</sup>															
All sectors, by instrument:															
Total.....	1,998.7	2,304.3	2,152.7	.....	.....	2,642.7	.....	.....	2,264.4	.....	.....	3,347.2	.....	.....	.....
Open market paper.....	-164.4	-98.2	70.8	.....	.....	-53.3	.....	.....	96.3	.....	.....	-107.5	.....	.....	.....
U.S. government securities.....	623.8	811.5	686.5	.....	.....	814.9	.....	.....	531.9	.....	.....	1,348.6	.....	.....	.....
Municipal securities.....	122.9	160.8	154.2	.....	.....	216.1	.....	.....	90.3	.....	.....	189.4	.....	.....	.....
Corporate and foreign bonds.....	633.3	515.2	130.0	.....	.....	768.6	.....	.....	581.7	.....	.....	713.7	.....	.....	.....
Bank loans, n.e.c.....	-76.2	-80.6	-54.4	.....	.....	-126.1	.....	.....	-102.0	.....	.....	-74.3	.....	.....	.....
Other loans and advances.....	32.9	36.7	132.2	.....	.....	-20.9	.....	.....	90.1	.....	.....	66.7	.....	.....	.....
Mortgages.....	700.4	879.6	925.7	.....	.....	1,050.6	.....	.....	883.2	.....	.....	1,144.3	.....	.....	.....
Consumer credit.....	126.0	79.2	107.6	.....	.....	-7.1	.....	.....	93.0	.....	.....	66.2	.....	.....	.....

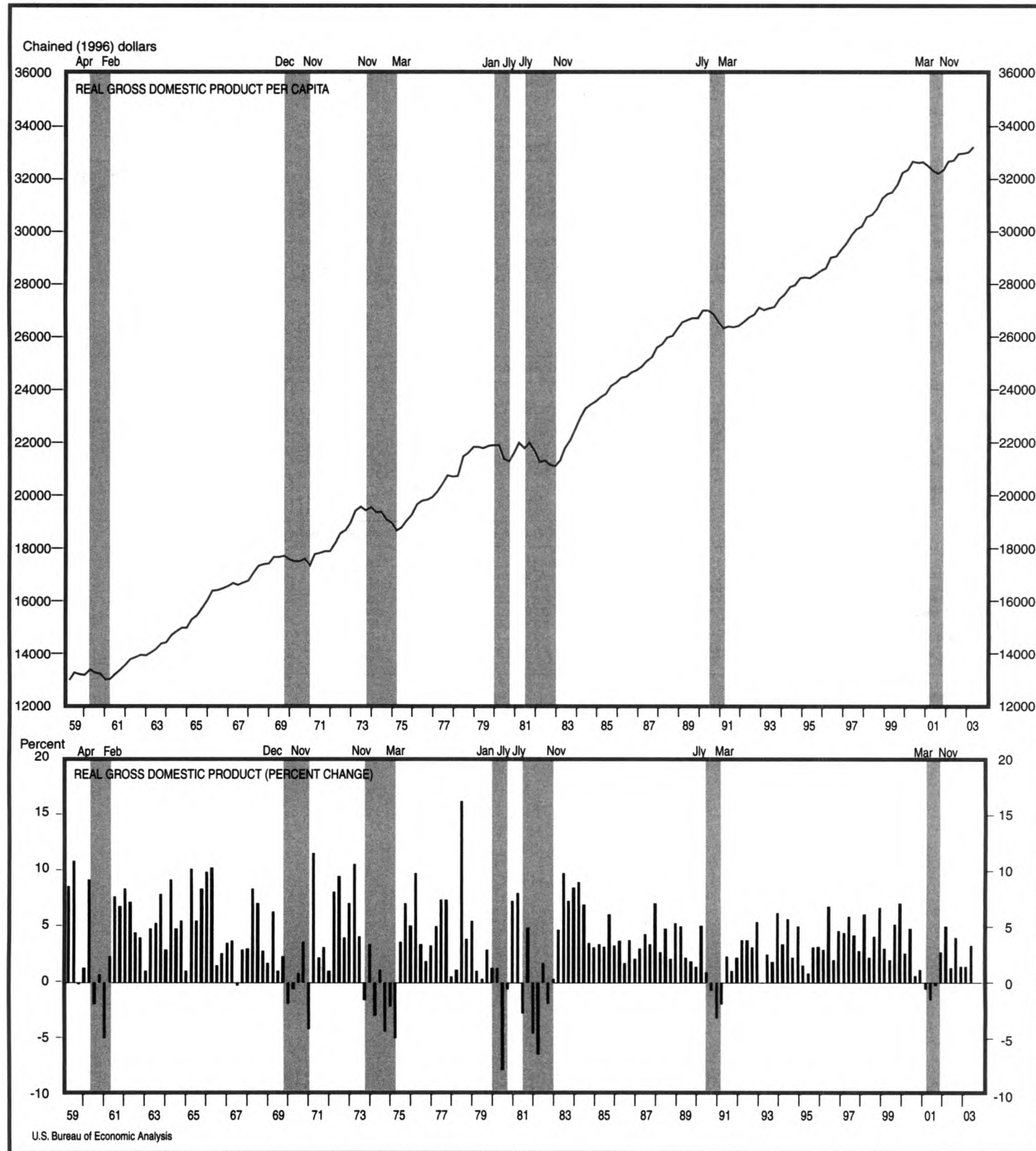
Sources:  
1. Bureau of Labor Statistics  
2. Federal Reserve Board

3. Standard and Poor's, Inc.  
4. Bureau of the Census  
n.e.c. Not elsewhere classified

### E. Charts

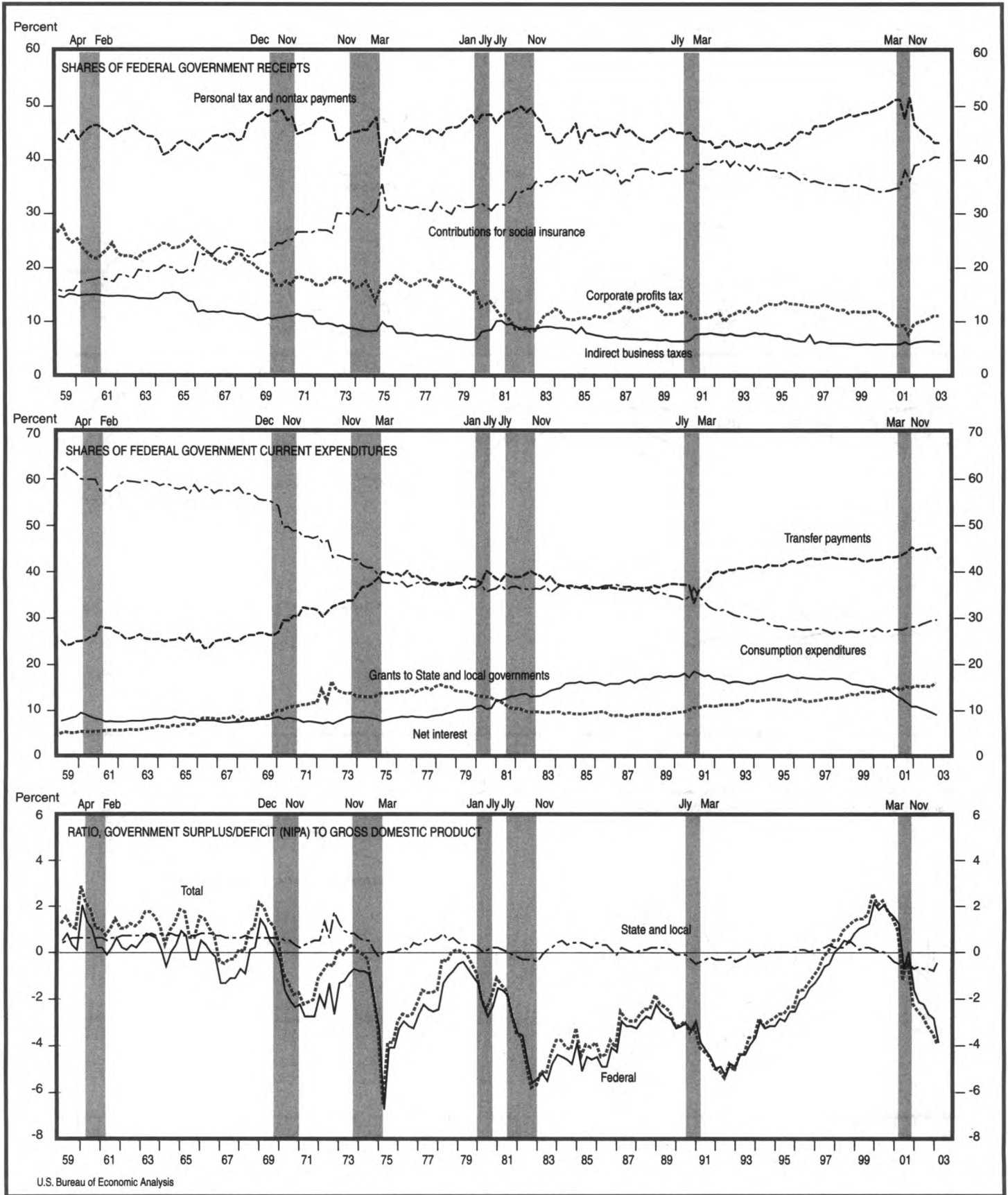
Percent changes shown in this section are based on quarter-to-quarter changes and are expressed at seasonally adjusted annual rates; likewise, levels of series are expressed at seasonally adjusted annual rates as appropriate.

### SELECTED NIPA SERIES



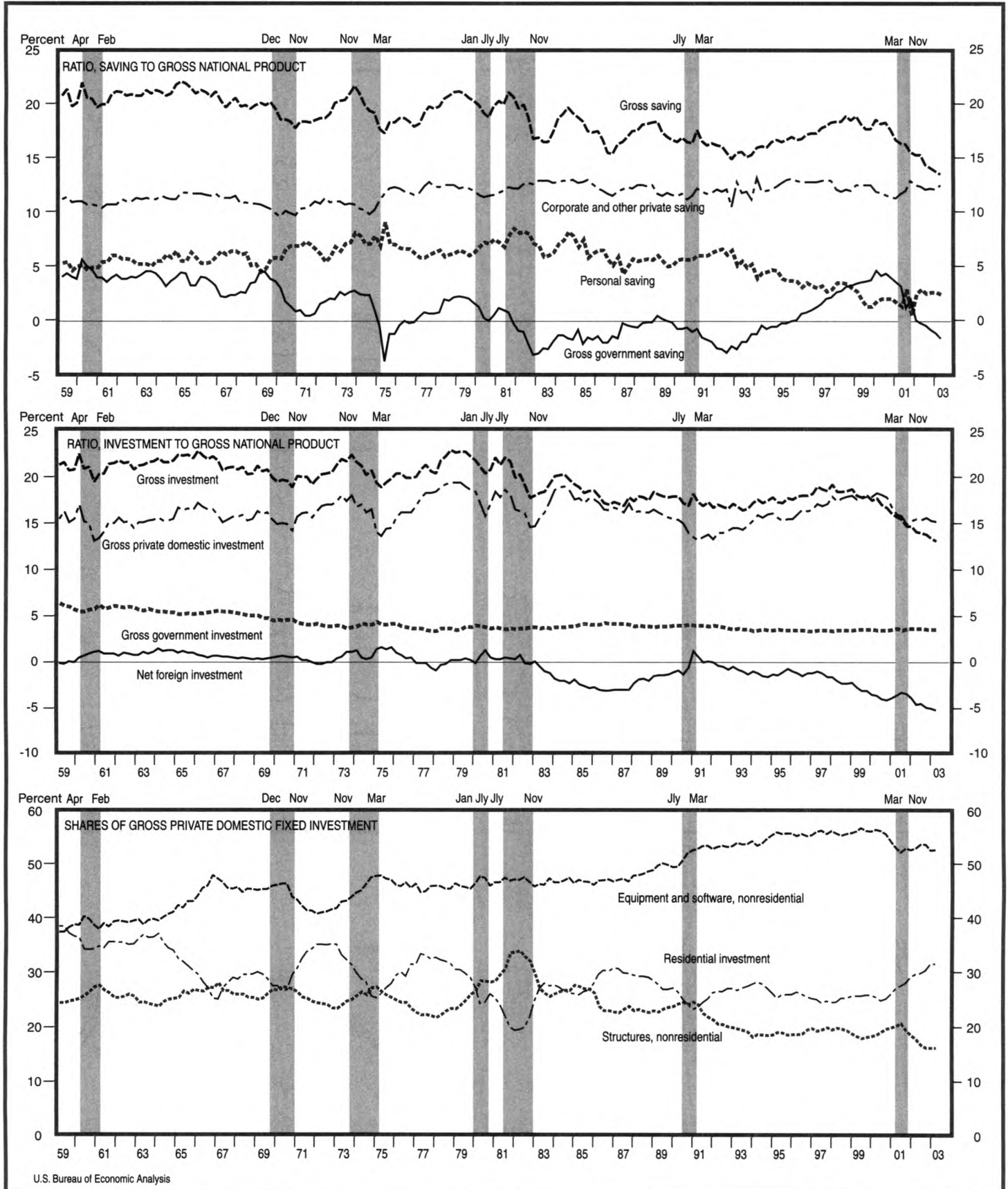
U.S. Bureau of Economic Analysis

### SELECTED NIPA SERIES



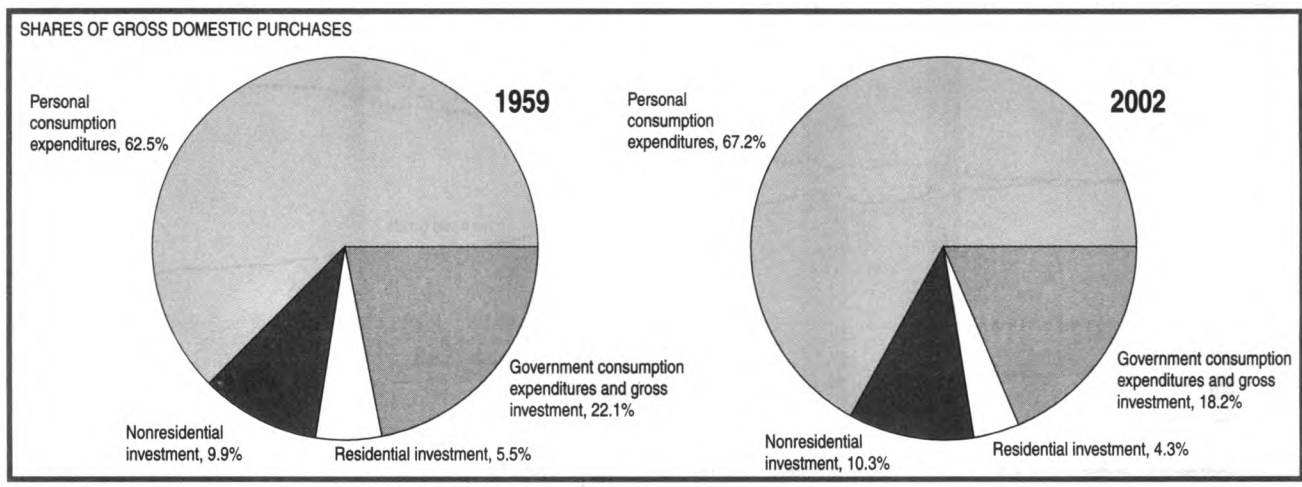
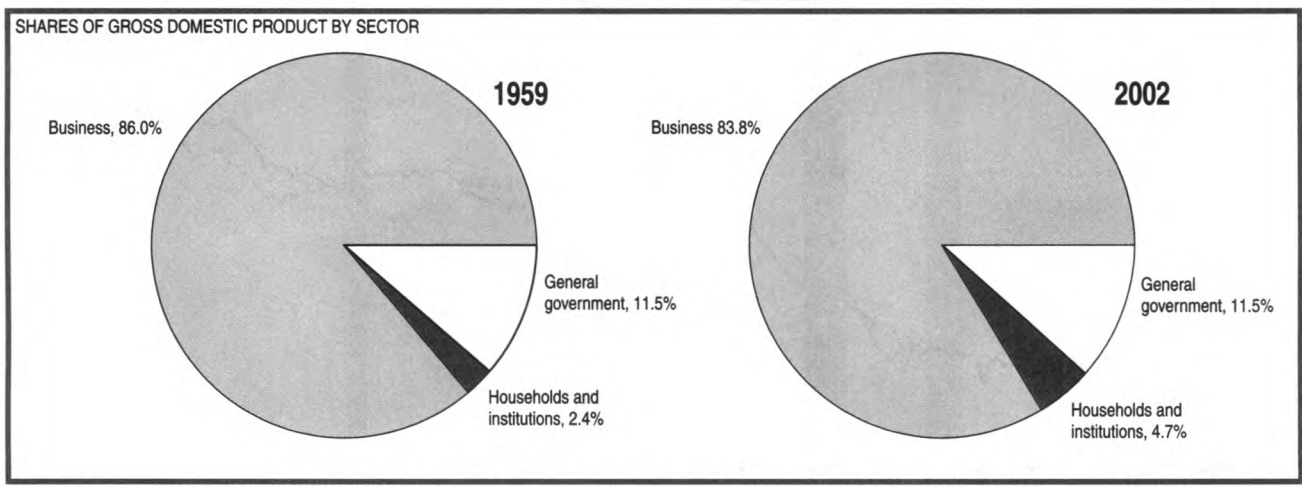
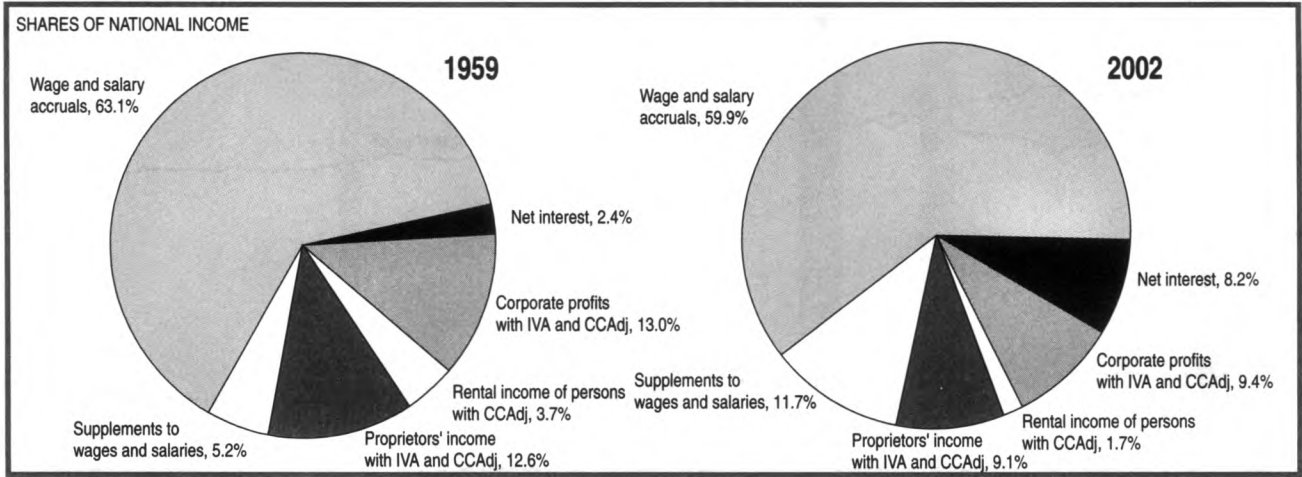
U.S. Bureau of Economic Analysis

SELECTED NIPA SERIES



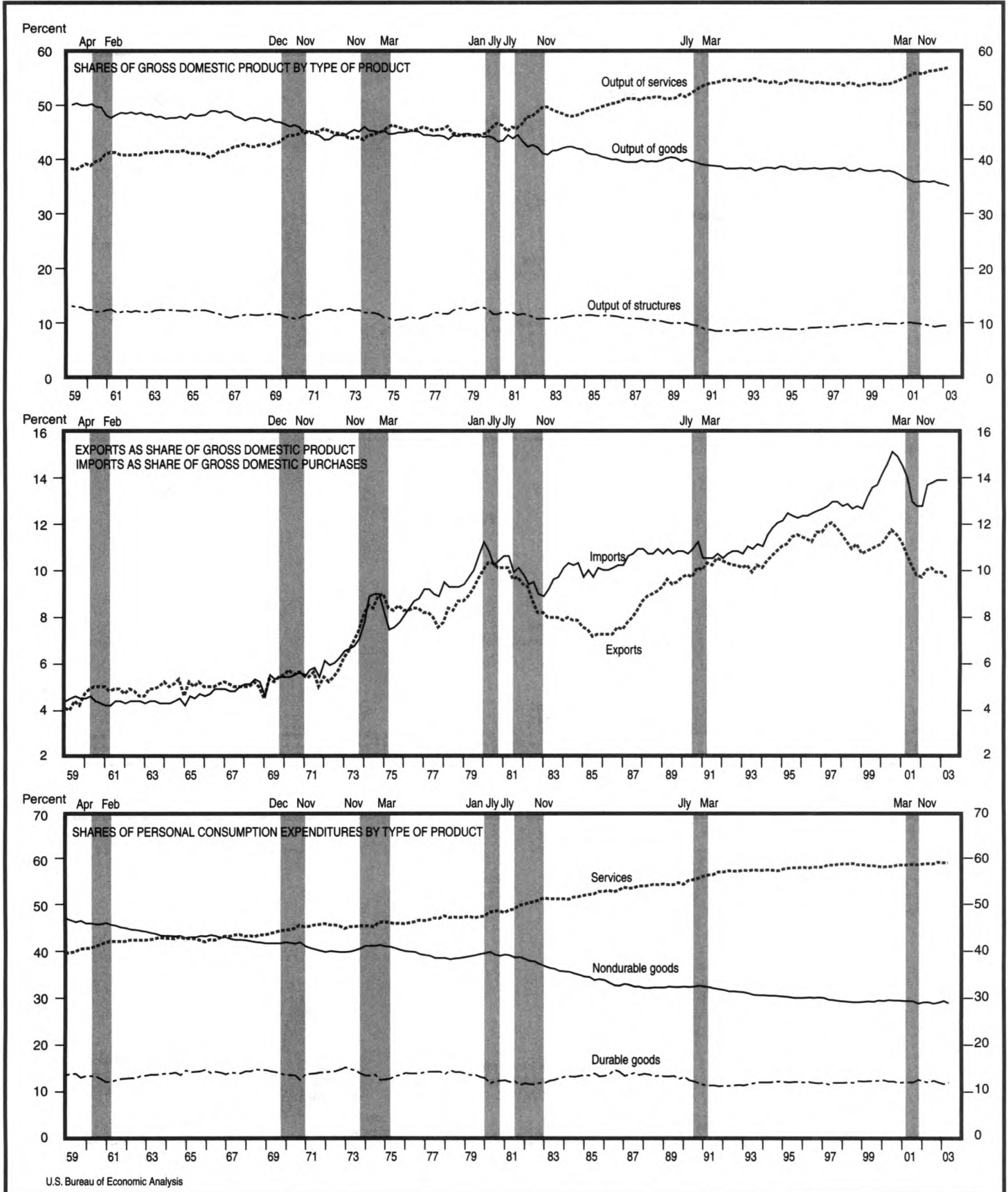


SELECTED NIPA SERIES

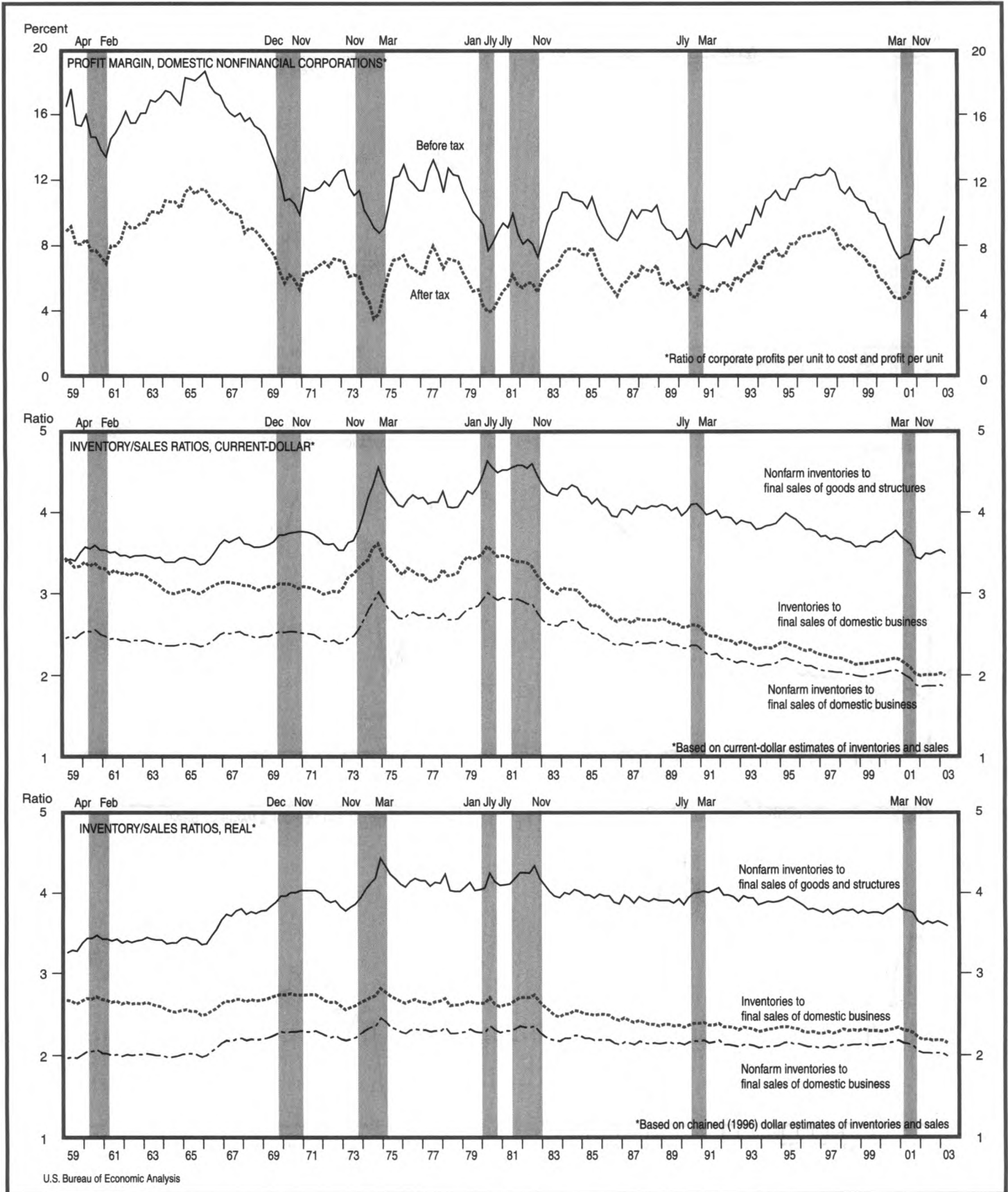


U.S. Bureau of Economic Analysis

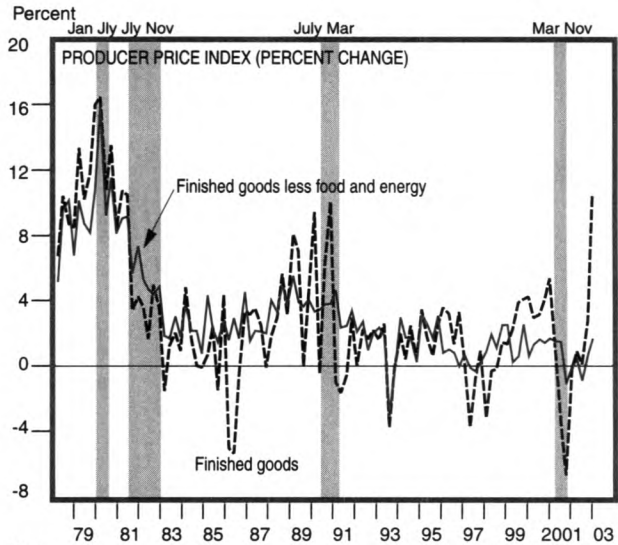
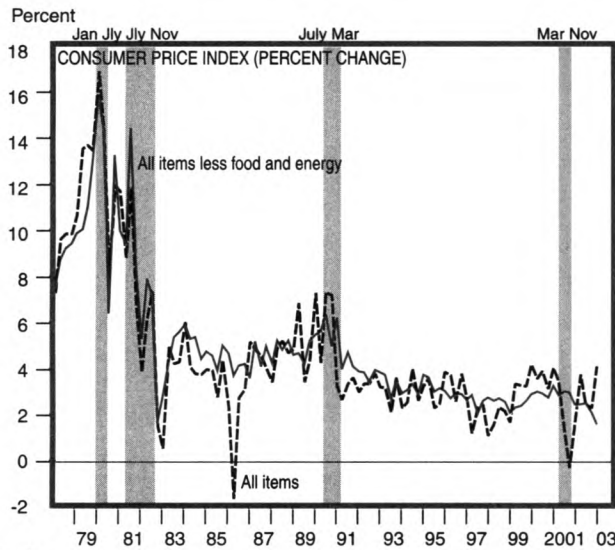
### SELECTED NIPA SERIES



SELECTED NIPA SERIES

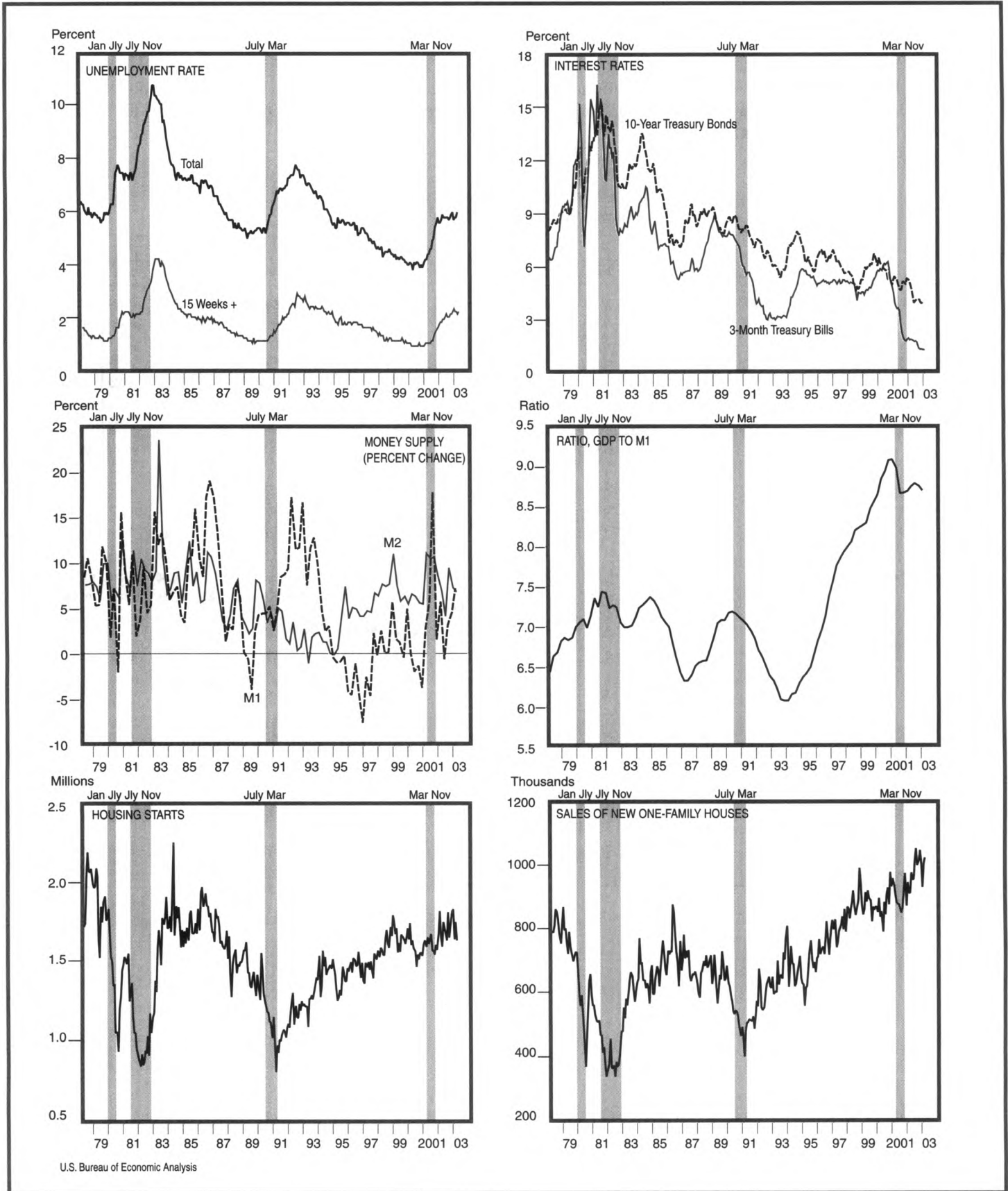


### OTHER INDICATORS OF THE DOMESTIC ECONOMY



U.S. Bureau of Economic Analysis

### 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 October 10, 2003, including "revised" estimates for July 2003 and "preliminary" estimates for August 2003. 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]

	2001	2002	2002						2003							
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July <sup>r</sup>	Aug. <sup>p</sup>
<b>Exports of goods and services</b> .....	<b>1,007,580</b>	<b>974,107</b>	<b>82,954</b>	<b>82,566</b>	<b>82,294</b>	<b>82,159</b>	<b>82,917</b>	<b>81,075</b>	<b>82,055</b>	<b>82,688</b>	<b>82,634</b>	<b>81,280</b>	<b>82,466</b>	<b>84,459</b>	<b>86,012</b>	<b>83,694</b>
<b>Goods</b> .....	<b>718,712</b>	<b>681,874</b>	<b>58,638</b>	<b>57,870</b>	<b>57,807</b>	<b>57,301</b>	<b>57,765</b>	<b>55,774</b>	<b>57,143</b>	<b>57,907</b>	<b>58,296</b>	<b>57,230</b>	<b>57,761</b>	<b>59,256</b>	<b>60,353</b>	<b>57,750</b>
Foods, feeds, and beverages.....	49,407	49,616	4,307	4,114	4,064	3,888	4,309	4,355	4,355	4,358	4,333	4,294	4,248	4,427	4,571	4,273
Industrial supplies and materials.....	160,104	156,837	13,209	13,360	13,306	13,234	13,549	13,625	14,095	13,995	14,432	14,230	14,279	14,483	14,839	14,057
Capital goods, except automotive.....	321,714	290,496	25,149	24,727	24,809	24,511	24,369	22,461	22,966	24,138	23,656	23,027	23,313	24,156	24,754	23,925
Automotive vehicles, engines, and parts.....	75,435	78,942	6,887	6,768	6,689	6,653	6,497	6,483	6,642	6,651	6,661	6,640	6,755	6,552	6,811	6,113
Consumer goods (nonfood), except automotive.....	88,331	84,359	7,216	7,049	7,070	7,149	7,185	6,973	7,323	6,994	7,303	7,171	7,177	7,688	7,546	7,445
Other goods.....	34,110	32,854	2,793	2,859	2,725	2,854	2,783	2,784	2,508	2,629	2,882	2,894	2,877	2,835	2,687	2,853
Adjustments <sup>1</sup> .....	-10,388	-11,229	-923	-1,007	-856	-989	-927	-907	-747	-857	-973	-1,026	-888	-885	-855	-916
<b>Services</b> .....	<b>288,868</b>	<b>292,233</b>	<b>24,316</b>	<b>24,696</b>	<b>24,487</b>	<b>24,858</b>	<b>25,152</b>	<b>25,301</b>	<b>24,912</b>	<b>24,781</b>	<b>24,338</b>	<b>24,050</b>	<b>24,705</b>	<b>25,203</b>	<b>25,659</b>	<b>25,944</b>
Travel.....	71,893	66,547	5,328	5,460	5,429	5,855	6,059	6,091	5,632	5,508	4,949	4,593	5,069	5,240	5,481	5,515
Passenger fares.....	17,926	17,046	1,387	1,527	1,374	1,421	1,420	1,414	1,301	1,272	1,163	1,153	1,261	1,354	1,479	1,499
Other transportation.....	28,442	29,166	2,404	2,491	2,412	2,474	2,575	2,633	2,612	2,581	2,644	2,635	2,590	2,685	2,629	2,579
Royalties and license fees.....	41,098	44,142	3,797	3,801	3,790	3,698	3,707	3,752	3,847	3,882	3,901	3,874	3,880	3,889	3,906	3,917
Other private services.....	116,139	122,594	10,248	10,220	10,213	10,300	10,383	10,339	10,472	10,542	10,696	10,740	10,839	10,931	11,059	11,207
Transfers under U.S. military agency sales contracts <sup>2</sup> .....	12,539	11,943	1,085	1,130	1,203	1,042	941	1,006	980	929	918	988	999	1,036	1,038	1,159
U.S. Government miscellaneous services.....	831	795	67	67	66	68	67	66	68	67	67	67	67	68	67	68
<b>Imports of goods and services</b> .....	<b>1,365,399</b>	<b>1,392,145</b>	<b>117,023</b>	<b>118,815</b>	<b>118,957</b>	<b>117,314</b>	<b>121,545</b>	<b>123,406</b>	<b>122,089</b>	<b>121,304</b>	<b>125,613</b>	<b>123,147</b>	<b>124,080</b>	<b>124,494</b>	<b>126,043</b>	<b>122,902</b>
<b>Goods</b> .....	<b>1,145,927</b>	<b>1,164,746</b>	<b>97,942</b>	<b>99,940</b>	<b>99,745</b>	<b>97,949</b>	<b>101,911</b>	<b>103,220</b>	<b>102,001</b>	<b>101,560</b>	<b>105,803</b>	<b>103,589</b>	<b>104,415</b>	<b>104,331</b>	<b>105,385</b>	<b>102,241</b>
Foods, feeds, and beverages.....	46,641	49,687	4,215	4,216	4,152	4,094	4,395	4,503	4,534	4,417	4,630	4,671	4,612	4,462	4,586	4,542
Industrial supplies and materials.....	273,870	267,681	22,668	23,557	23,504	24,528	23,836	24,262	25,030	25,983	28,421	26,101	25,608	25,929	26,768	26,722
Capital goods, except automotive.....	297,993	283,323	23,848	23,742	23,783	22,342	24,393	24,694	24,463	23,230	23,222	24,070	24,472	24,413	24,465	23,931
Automotive vehicles, engines, and parts.....	189,782	203,743	17,170	17,416	17,658	17,074	17,591	17,682	16,974	16,831	17,337	16,877	17,791	18,232	17,969	15,620
Consumer goods (nonfood), except automotive.....	284,293	307,854	25,723	26,671	26,198	25,508	27,460	27,694	26,929	26,896	28,010	27,683	27,712	26,673	27,288	27,105
Other goods.....	48,421	49,078	4,034	4,041	4,137	4,080	3,950	4,158	3,877	3,997	3,934	3,922	3,870	4,154	4,105	3,862
Adjustments <sup>1</sup> .....	4,928	3,380	284	297	313	322	286	228	195	207	249	266	350	468	203	459
<b>Services</b> .....	<b>219,472</b>	<b>227,399</b>	<b>19,081</b>	<b>18,875</b>	<b>19,212</b>	<b>19,365</b>	<b>19,634</b>	<b>20,186</b>	<b>20,088</b>	<b>19,744</b>	<b>19,810</b>	<b>19,558</b>	<b>19,665</b>	<b>20,163</b>	<b>20,658</b>	<b>20,661</b>
Travel.....	60,200	58,044	4,806	4,567	4,941	4,823	4,979	5,223	5,012	4,745	4,411	4,096	4,308	4,610	4,794	4,836
Passenger fares.....	22,633	19,969	1,652	1,597	1,580	1,889	1,698	1,805	1,727	1,657	1,576	1,537	1,605	1,778	1,881	1,905
Other transportation.....	38,682	38,527	3,296	3,287	3,204	3,242	3,456	3,573	3,594	3,484	3,795	3,853	3,869	3,660	3,755	3,657
Royalties and license fees.....	16,713	19,258	1,678	1,689	1,669	1,539	1,520	1,533	1,553	1,565	1,580	1,603	1,613	1,619	1,626	1,627
Other private services.....	63,387	69,436	5,774	5,828	5,885	5,927	6,009	6,047	6,132	6,174	6,218	6,177	6,236	6,273	6,376	6,403
Direct defense expenditures <sup>2</sup> .....	14,975	19,245	1,633	1,665	1,692	1,701	1,729	1,763	1,822	1,870	1,982	2,042	1,985	1,973	1,977	1,983
U.S. Government miscellaneous services.....	2,882	2,920	242	242	241	244	243	242	248	249	248	250	249	250	249	250
<b>Memoranda:</b>																
Balance on goods.....	-427,215	-482,872	-39,304	-42,070	-41,938	-40,647	-44,147	-47,447	-44,859	-43,654	-47,507	-46,359	-46,654	-45,076	-45,032	-44,490
Balance on services.....	69,396	64,834	5,235	5,821	5,275	5,493	5,518	5,115	4,824	5,037	4,528	4,492	5,040	5,040	5,001	5,283
Balance on goods and services.....	-357,819	-418,038	-34,069	-36,249	-36,663	-35,154	-38,629	-42,332	-40,035	-38,617	-42,979	-41,867	-41,614	-40,036	-40,031	-39,207

<sup>p</sup> Preliminary.<sup>r</sup> 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 -) <sup>1</sup>	2002	Not seasonally adjusted						Seasonally adjusted					
			2002				2003		2002				2003	
			I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
<b>Current account</b>														
1	<b>Exports of goods and services and income receipts</b>	1,229,649	294,947	310,189	312,767	311,746	307,576	313,376	297,074	307,616	313,939	311,015	310,278	311,002
2	Exports of goods and services	974,107	233,613	245,704	245,866	248,924	243,942	249,875	236,442	243,696	247,815	246,151	247,377	247,991
3	Goods, balance of payments basis <sup>2</sup>	681,874	163,785	175,002	169,014	174,073	171,180	177,678	165,298	171,421	174,315	170,840	173,364	174,034
4	Services <sup>3</sup>	292,233	69,828	70,702	76,852	74,851	72,762	72,197	71,144	72,275	73,500	75,311	74,031	73,957
5	Transfers under U.S. military agency sales contracts <sup>4</sup>	11,943	2,785	2,751	3,418	2,989	2,827	3,023	2,785	2,751	3,418	2,989	2,827	3,023
6	Travel	66,547	14,479	16,732	18,229	16,507	14,286	15,546	16,295	16,030	16,217	18,005	16,089	14,902
7	Passenger fares	17,046	3,872	4,281	4,831	4,062	3,444	3,768	4,224	4,279	4,288	4,255	3,736	3,768
8	Other transportation	29,166	6,784	7,104	7,646	7,632	7,488	7,941	7,102	7,075	7,307	7,682	7,837	7,910
9	Royalties and license fees <sup>5</sup>	44,142	10,139	11,012	11,168	11,823	11,297	11,485	10,373	11,221	11,389	11,157	11,630	11,643
10	Other private services <sup>5</sup>	122,594	31,574	28,623	30,760	31,637	33,218	30,332	30,170	30,720	30,681	31,022	31,710	32,509
11	U.S. Government miscellaneous services	795	195	199	200	201	202	202	195	199	200	201	202	202
12	Income receipts	255,542	61,334	64,485	66,901	62,822	63,634	63,501	60,632	63,920	66,124	64,864	62,901	63,011
13	Income receipts on U.S.-owned assets abroad	252,379	60,523	63,705	66,116	62,035	62,827	62,687	59,821	63,140	65,339	64,077	62,094	62,197
14	Direct investment receipts	142,933	32,674	35,538	36,735	36,735	38,124	39,720	32,058	34,874	37,264	38,735	37,508	39,131
15	Other private receipts	106,143	26,950	27,560	27,225	24,408	23,700	22,321	26,950	27,560	27,225	24,408	23,700	22,321
16	U.S. Government receipts	3,303	899	607	905	892	1,003	646	813	706	850	934	886	745
17	Compensation of employees	3,163	811	780	785	787	807	814	811	780	785	787	807	814
18	<b>Imports of goods and services and income payments</b>	-1,651,657	-373,437	-418,753	-431,963	-427,504	-416,512	-434,240	-387,864	-416,962	-422,666	-424,165	-431,716	-432,731
19	Imports of goods and services	-1,392,145	-312,227	-349,628	-363,766	-366,524	-354,003	-372,140	-326,499	-348,584	-354,795	-362,267	-369,006	-371,399
20	Goods, balance of payments basis <sup>2</sup>	-1,164,746	-260,732	-291,870	-303,073	-309,071	-298,174	-311,024	-271,331	-292,707	-297,627	-303,081	-309,364	-312,013
21	Services <sup>3</sup>	-227,399	-51,495	-57,758	-60,693	-57,453	-55,829	-61,116	-55,168	-55,877	-57,168	-59,186	-59,644	-59,386
22	Direct defense expenditures	-19,245	-4,394	-4,668	-4,990	-5,193	-5,674	-6,000	-4,394	-4,668	-4,990	-5,193	-5,674	-6,000
23	Travel	-58,044	-12,430	-15,806	-16,930	-12,878	-12,196	-14,395	-14,453	-14,252	-14,314	-15,025	-14,168	-13,014
24	Passenger fares	-19,969	-4,422	-5,475	-5,430	-4,642	-4,479	-5,512	-4,874	-4,874	-4,829	-5,392	-4,960	-4,920
25	Other transportation	-38,527	-8,420	-9,577	-10,138	-10,392	-10,303	-11,226	-8,891	-9,580	-9,787	-10,271	-10,873	-11,182
26	Royalties and license fees <sup>5</sup>	-19,258	-4,607	-4,765	-4,941	-4,945	-4,564	-4,679	-4,728	-4,902	-5,036	-4,592	-4,698	-4,835
27	Other private services <sup>5</sup>	-69,436	-16,481	-16,742	-17,539	-18,674	-17,868	-18,555	-17,087	-16,876	-17,487	-17,984	-18,524	-18,686
28	U.S. Government miscellaneous services	-2,920	-741	-725	-725	-729	-745	-749	-741	-725	-725	-729	-745	-749
29	Income payments	-259,512	-61,210	-69,125	-68,197	-60,980	-62,509	-62,100	-61,365	-68,378	-67,871	-61,898	-62,710	-61,332
30	Income payments on foreign-owned assets in the United States	-251,108	-59,211	-67,085	-66,107	-58,705	-60,428	-60,075	-59,271	-66,246	-65,820	-59,771	-60,527	-59,213
31	Direct investment payments	-49,458	-8,074	-11,303	-15,637	-11,444	-15,332	-17,170	-8,134	-13,464	-15,350	-12,510	-15,431	-16,308
32	Other private payments	-127,735	-32,512	-33,773	-31,802	-29,648	-28,245	-26,638	-32,512	-33,773	-31,802	-29,648	-28,245	-26,638
33	U.S. Government payments	-73,915	-18,625	-19,009	-18,668	-17,613	-16,851	-16,267	-18,625	-19,009	-18,668	-17,613	-16,851	-16,267
34	Compensation of employees	-8,404	-1,999	-2,040	-2,080	-2,275	-2,081	-2,025	-2,094	-2,132	-2,051	-2,127	-2,183	-2,119
35	<b>Unilateral current transfers, net</b>	-58,853	-16,450	-12,834	-13,772	-15,797	-17,575	-16,697	-15,938	-13,481	-13,997	-15,436	-17,269	-16,942
36	U.S. Government grants <sup>4</sup>	-17,097	-6,397	-3,287	-3,075	-4,338	-5,813	-5,620	-6,397	-3,287	-3,075	-4,338	-5,813	-5,620
37	U.S. Government pensions and other transfers	-5,125	-1,330	-1,005	-923	-1,867	-1,037	-1,208	-1,271	-1,279	-1,282	-1,292	-1,320	-1,335
38	Private remittances and other transfers <sup>6</sup>	-36,631	-8,723	-8,542	-9,774	-9,592	-10,725	-9,869	-8,270	-8,915	-9,640	-9,806	-10,136	-9,987
<b>Capital and financial account</b>														
<b>Capital account</b>														
39	<b>Capital account transactions, net</b>	-1,285	-277	-286	-364	-358	-388	-325	-277	-286	-364	-358	-388	-325
<b>Financial account</b>														
40	<b>U.S.-owned assets abroad, net (increase/financial outflow (-))</b>	-178,985	-37,698	-130,751	26,896	-37,432	-103,903	-109,412	-35,227	-128,567	29,712	-44,902	-101,331	-106,665
41	U.S. official reserve assets, net	-3,681	390	-1,843	-1,416	-812	83	-170	390	-1,843	-1,416	-812	83	-170
42	Gold <sup>7</sup>	-475	-109	-107	-132	-127	897	-102	-109	-107	-132	-127	897	-102
43	Special drawing rights	-2,632	652	-1,607	-1,136	-541	-644	86	652	-1,607	-1,136	-541	-644	86
44	Reserve position in the International Monetary Fund	-574	-153	-129	-148	-144	-170	-154	-153	-129	-148	-144	-170	-154
45	Foreign currencies	-32	133	42	-27	-180	-70	-323	133	42	-27	-180	-70	-323
46	U.S. Government assets, other than official reserve assets, net	-5,611	-853	-565	-1,375	-2,818	-2,578	-928	-853	-565	-1,375	-2,818	-2,578	-928
47	U.S. credits and other long-term assets	5,684	994	566	1,452	2,672	2,472	674	994	566	1,452	2,672	2,472	674
48	Repayments on U.S. credits and other long-term assets <sup>8</sup>	-105	-8	41	-104	-34	36	-69	-8	41	-104	-34	36	-69
49	U.S. foreign currency holdings and U.S. short-term assets, net	-175,272	-38,221	-128,950	28,339	-36,440	-103,916	-108,919	-35,750	-126,766	31,155	-43,910	-101,344	-106,172
50	U.S. private assets, net	-137,836	-41,554	-37,643	-34,439	-24,200	-36,977	-34,767	-39,063	-35,459	-31,623	-31,670	-34,405	-32,020
51	Direct investment	15,801	5,367	-5,843	21,641	-5,364	-27,146	9,240	5,367	-5,843	21,641	-5,364	-27,146	9,240
52	Foreign securities	-31,880	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789	-1,886	-16,210	-11,862	-1,922	-11,998	-22,789
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-21,357	-148	-69,254	52,999	-4,954	-27,795	-60,603	-148	-69,254	52,999	-4,954	-27,795	-60,603
54	U.S. claims reported by U.S. banks, not included elsewhere	706,983	146,075	224,088	142,129	194,691	241,859	257,612	146,813	221,242	141,478	197,448	242,004	255,273
55	<b>Foreign-owned assets in the United States, net (increase/financial inflow (+))</b>	94,860	6,106	47,552	8,992	32,210	40,978	57,580	6,106	47,552	8,992	32,210	40,978	57,580
56	Foreign official assets in the United States, net	73,521	6,257	21,706	12,300	31,768	36,522	6,257	21,706	12,300	31,768	36,522	6,257	21,706
57	U.S. Government securities	43,144	-1,039	15,138	1,415	27,630	22,288	33,323	-1,039	15,138	1,415	27,630	22,288	33,323
58	U.S. Treasury securities <sup>9</sup>	30,377	7,296	6,568	10,885	5,628	9,480	3,290	7,296	6,568	10,885	5,628	9,480	3,290
59	Other <sup>10</sup>	137	-597	365	464	-95	-437	-32	-597	365	464	-95	-437	-32
60	U.S. liabilities reported by U.S. banks, not included elsewhere	17,594	-280	24,575	-4,607	-2,094	8,321	20,385	-280	24,575	-4,607	-2,094	8,321	20,385
61	Other foreign official assets <sup>12</sup>	3,608	726	906	835	1,141	1,326	705	726	906	835	1,141	1,326	705
62	Other foreign assets in the United States, net	612,123	139,969	176,536	133,137	162,481	200,881	200,332	140,707	173,690	132,486	165,238	201,026	197,693
63	Direct investment	39,633	9,869	2,390	14,850	12,524	34,241	14,476	10,607	-456	14,199	15,281	34,386	12,137
64	U.S. Treasury securities	96,217	11,789	14,218	57,505	12,705	14,568	61,139	11,789	14,218	57,505	12,705	14,568	61,139
65	U.S. securities other than U.S. Treasury securities	291,492	74,461	104,187	45,880	66,964	55,574	66,525	74,461	104,187	45,880	66,964	55,574	66,525
66	U.S. currency	21,513	4,525	7,183	2,556	7,249	4,927	1,458	4,525	7,183	2,556	7,249	4,927	1,458
67	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	72,142	46,771	24,610	-8,102	8,863	74,848	3,189	46,771	24,610	-8,102	8,863	74,848	3,189
68	U.S. liabilities reported													

Table F.3. U.S. International Transactions, by Area

(Millions of dollars)

Line	(Credits +; debits -) <sup>1</sup>	Western Europe			European Union <sup>14</sup>			United Kingdom			European Union (6) <sup>15</sup>		
		2002	2003		2002	2003		2002	2003		2002	2003	
		IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>
<b>Current account</b>													
1	Exports of goods and services and income receipts .....	97,315	95,287	98,050	86,964	85,579	87,264	24,879	23,326	23,880	46,514	47,035	47,658
2	Exports of goods and services .....	69,110	67,424	68,710	62,482	61,050	61,915	16,384	16,083	16,311	34,440	34,001	34,405
3	Goods, balance of payments basis <sup>2</sup> .....	39,433	40,240	40,923	36,151	36,934	37,179	7,777	8,457	8,423	22,533	22,800	23,176
4	Services <sup>3</sup> .....	29,677	27,184	27,787	26,331	24,116	24,736	8,607	7,626	7,888	11,907	11,201	11,229
5	Transfers under U.S. military agency sales contracts <sup>4</sup> .....	891	748	826	597	612	696	68	119	76	228	292	231
6	Travel .....	5,521	4,331	4,538	5,084	3,955	4,171	2,305	1,779	1,776	1,920	1,490	1,674
7	Passenger fares .....	1,586	1,207	1,408	1,534	1,165	1,316	756	572	597	678	528	649
8	Other transportation .....	2,500	2,495	2,720	2,240	2,218	2,372	519	512	574	1,223	1,166	1,257
9	Royalties and license fees <sup>5</sup> .....	5,790	5,449	5,452	5,166	4,790	4,813	1,103	938	1,016	2,571	2,390	2,214
10	Other private services <sup>5</sup> .....	13,354	12,919	12,807	11,679	11,345	11,336	3,852	3,702	3,845	5,265	5,314	5,183
11	U.S. Government miscellaneous services .....	35	35	36	31	31	32	4	4	4	22	21	21
12	Income receipts .....	28,205	27,863	29,340	24,482	24,529	25,349	8,495	7,243	7,569	12,074	13,034	13,253
13	Income receipts on U.S.-owned assets abroad .....	28,128	27,788	29,260	24,417	24,464	25,281	8,474	7,222	7,547	12,039	12,999	13,216
14	Direct investment receipts .....	15,732	15,900	18,251	13,246	13,774	15,278	3,150	2,541	3,097	7,542	8,501	9,053
15	Other private receipts .....	12,148	11,466	10,744	10,932	10,460	9,828	5,240	4,681	4,450	4,353	4,329	4,010
16	U.S. Government receipts .....	248	420	265	239	230	175	84	.....	.....	144	169	153
17	Compensation of employees .....	77	77	80	65	65	68	21	21	22	35	35	37
18	Imports of goods and services and income payments .....	-120,531	-117,305	-125,113	-109,517	-105,717	-111,825	-34,605	-34,120	-33,470	-56,307	-53,233	-57,676
19	Imports of goods and services .....	-91,086	-85,912	-94,227	-82,692	-78,153	-85,005	-17,553	-16,911	-17,843	-48,229	-44,738	-48,750
20	Goods, balance of payments basis <sup>2</sup> .....	-66,594	-62,223	-66,886	-61,153	-57,391	-61,271	-10,498	-10,114	-10,458	-37,030	-34,155	-36,482
21	Services <sup>3</sup> .....	-24,492	-23,689	-27,341	-21,539	-20,762	-23,734	-7,055	-6,797	-7,385	-11,199	-10,583	-12,268
22	Direct defense expenditures .....	-2,331	-2,566	-2,602	-1,990	-2,185	-2,221	-169	-200	-200	-1,703	-1,810	-1,846
23	Travel .....	-3,954	-3,482	-3,352	-3,679	-3,251	-4,908	-1,450	-1,214	-1,319	-1,676	-1,455	-2,528
24	Passenger fares .....	-2,024	-1,993	-2,835	-1,894	-1,866	-2,617	-743	-701	-956	-759	-726	-1,094
25	Other transportation .....	-3,680	-3,863	-4,370	-3,120	-3,241	-3,583	-724	-750	-789	-1,603	-1,610	-1,795
26	Royalties and license fees <sup>5</sup> .....	-2,771	-2,309	-2,469	-2,227	-1,839	-374	-395	-398	-398	-1,605	-1,249	-1,351
27	Other private services <sup>5</sup> .....	-9,426	-9,187	-9,422	-8,366	-8,134	-8,189	-3,574	-3,519	-3,705	-3,641	-3,535	-3,455
28	U.S. Government miscellaneous services .....	-306	-289	-291	-263	-246	-247	-21	-18	-18	-212	-198	-199
29	Income payments .....	-29,445	-31,393	-30,886	-26,825	-27,564	-26,820	-17,052	-17,209	-15,627	-8,078	-8,495	-8,926
30	Income payments on foreign-owned assets in the United States .....	-29,345	-31,293	-30,797	-26,742	-27,481	-26,743	-17,032	-17,189	-15,609	-8,023	-8,440	-8,874
31	Direct investment payments .....	-6,878	-10,340	-11,038	-6,378	-8,391	-8,746	-3,639	-4,721	-3,793	-2,771	-3,539	-4,306
32	Other private payments .....	-17,695	-16,441	-15,502	-16,083	-15,057	-14,216	-11,115	-10,280	-9,741	-3,998	-3,767	-3,512
33	U.S. Government payments .....	-4,772	-4,512	-4,257	-4,281	-4,033	-3,781	-2,278	-2,188	-2,075	-1,254	-1,134	-1,056
34	Compensation of employees .....	-100	-100	-89	-83	-83	-77	-20	-20	-18	-55	-55	-52
35	Unilateral current transfers, net .....	15	-206	38	225	82	251	148	225	288	85	-97	-46
36	U.S. Government grants <sup>4</sup> .....	-142	-264	-211	-7	-7	-5	.....	.....	.....	.....	.....	.....
37	U.S. Government pensions and other transfers .....	-438	-377	-400	-340	-338	-349	-59	-60	-57	-186	-183	-198
38	Private remittances and other transfers <sup>6</sup> .....	595	435	649	572	427	605	207	285	345	271	86	152
<b>Capital and financial account</b>													
<b>Capital account</b>													
39	Capital account transactions, net .....	-136	-81	-80	-62	-60	-59	-10	-8	-8	-11	-11	-10
<b>Financial account</b>													
40	U.S.-owned assets abroad, net (increase/financial outflow (-)) .....	3,482	-69,228	-62,825	24,747	-72,372	-57,969	21,525	-56,822	-42,166	590	-16,849	-10,441
41	U.S. official reserve assets, net .....	-144	-170	-154	-86	-120	-104	.....	.....	.....	.....	.....	.....
42	Gold <sup>7</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies .....	-144	-170	-154	-86	-120	-104	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net .....	177	34	-7	72	238	79	58	.....	-6	-26	31	.....
47	U.S. credits and other long-term assets .....	-7	-404	-188	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets <sup>8</sup> .....	214	414	165	106	207	69	66	.....	.....	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net .....	-30	24	16	-34	31	10	-8	.....	-6	-26	31	.....
50	U.S. private assets, net .....	3,449	-69,092	-62,664	24,761	-72,490	-57,944	21,467	-56,822	-42,160	616	-16,880	-10,441
51	Direct investment .....	-13,278	-17,683	-21,156	-11,093	-17,123	-17,698	-1,093	-7,518	-3,923	-6,730	-7,107	-9,292
52	Foreign securities .....	-2,750	-19,045	7,549	-2,192	-17,769	7,028	-3,063	-13,009	2,227	1,540	-5,671	3,103
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	16,415	-24,501	.....	15,693	-24,008	.....	17,352	-25,236	.....	-3,159	1,147	.....
54	U.S. claims reported by U.S. banks, not included elsewhere .....	3,062	-7,863	-49,057	22,353	-13,590	-47,274	8,271	-11,059	-40,464	8,965	-5,249	-4,252
55	Foreign owned assets in the United States, net (increase/financial inflow (+)) .....	106,277	112,053	53,547	69,972	126,889	45,261	41,592	110,122	6,609	21,253	9,627	26,630
56	Foreign official assets in the United States, net .....	9,645	179	-6,546	(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 <sup>9</sup> .....	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other <sup>10</sup> .....	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities <sup>11</sup> .....	-191	-186	-40	182	-169	-23	31	-83	37	-21	-83	44
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 <sup>12</sup> .....	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net .....	96,632	111,874	60,093	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment .....	3,757	31,559	6,046	3,633	24,169	4,879	5,291	19,536	4,073	411	3,747	1,866
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 .....	39,445	47,175	39,371	35,907	43,330	37,324	26,659	34,651	26,954	9,019	7,420	3,314
67	U.S. currency .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	13,468	62,037	.....	10,336	62,145	.....	6,700	55,166	.....	1,712	3,768	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere .....	(17)	(17)	(17)	18 19,914	18 2,586	18 3,081	18 2,911	18 850	18 24,455	18 10,132	18 5,225	18 21,406
70	Statistical discrepancy (sum of above items with sign reversed) .....	-86,422	-20,520	36,383	-72,329	-34,401	37,077	-53,529	-42,723	44,867	-12,124	13,528	-6,115
<b>Memoranda:</b>													
71	Balance on goods (lines 3 and 20) .....	-27,161	-21,983	-25,963	-25,002	-20,457	-24,092	-2,721	-1,657	-2,035	-14,497	-11,355	-13,306
72	Balance on services (lines 4 and 21) .....	5,185	3,495	446	4,792	3,354	1,002	1,552	829	503	708	618	-1,039
73	Balance on goods and services (lines 2 and 19) .....	-21,976	-18,488	-25,517	-20,210	-17,103	-23,090	-1,169	-828	-1,532	-13,789	-10,737	-14,345
74	Balance on income (lines 12 and 29) .....	-1,240	-3,530	-1,546	-2,343	-3,035	-1,471	-8,557	-9,966	-8,058	3,996	4,539	4,327
75	Unilateral current transfers, net (line 35) .....	15	-206	38	225	82	251	148	225	288	85	-97	-46
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) <sup>13</sup> .....	-23,201	-22,224	-27,025	-22,328	-20,056	-24,310	-9,578	-10,569	-9,302	-9,708	-6,295	-10,064

See footnotes on page D-57.



Table F.3. U.S. International Transactions, by Area—Continued  
(Millions of dollars)

Line	(Credits +; debits -) <sup>1</sup>	Eastern Europe			Canada			Latin America and Other Western Hemisphere			Japan		
		2002		2003	2002		2003	2002		2003	2002		2003
		IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>
<b>Current account</b>													
1	Exports of goods and services and income receipts .....	3,140	3,286	3,292	51,907	52,766	56,109	60,981	56,612	57,905	22,486	22,738	23,193
2	Exports of goods and services .....	2,763	2,725	2,697	46,834	47,662	51,088	51,769	47,163	48,722	19,877	19,600	20,150
3	Goods, balance of payments basis <sup>2</sup> .....	1,627	1,511	1,603	40,843	41,177	44,810	38,341	35,022	36,071	12,177	12,179	12,888
4	Services <sup>3</sup> .....	1,136	1,214	1,094	5,991	6,485	6,278	13,428	12,141	12,651	7,700	7,421	7,262
5	Transfers under U.S. military agency sales contracts <sup>4</sup> .....	108	105	92	13	44	57	90	114	102	202	151	120
6	Travel .....	282	255	310	1,323	1,803	1,725	4,628	3,597	4,234	2,161	1,913	1,781
7	Passenger fares .....	14	15	12	405	483	389	1,165	955	1,012	615	534	602
8	Other transportation .....	65	59	58	710	665	658	852	842	917	776	753	789
9	Royalties and license fees <sup>5</sup> .....	115	106	116	803	809	837	927	891	906	1,620	1,592	1,626
10	Other private services <sup>5</sup> .....	541	666	498	2,715	2,660	2,591	5,723	5,698	5,436	2,304	2,452	2,318
11	U.S. Government miscellaneous services .....	11	8	8	22	21	21	43	44	44	22	26	26
12	Income receipts .....	377	561	595	5,073	5,104	5,021	9,212	9,449	9,183	2,609	3,138	3,043
13	Income receipts on U.S.-owned assets abroad .....	363	547	581	5,052	5,081	4,997	9,161	9,396	9,129	2,591	3,120	3,025
14	Direct investment receipts .....	190	290	400	3,243	3,295	3,386	3,920	4,262	4,051	1,228	1,679	1,692
15	Other private receipts .....	138	131	121	1,809	1,786	1,611	5,133	5,067	5,024	1,363	1,440	1,332
16	U.S. Government receipts .....	35	126	60	.....	.....	.....	108	67	54	.....	1	1
17	Compensation of employees .....	14	14	14	21	23	24	51	53	54	18	18	18
18	Imports of goods and services and income payments .....	-6,144	-5,900	-6,267	-59,055	-61,875	-63,552	-73,146	-73,131	-75,934	-46,549	-40,039	-40,783
19	Imports of goods and services .....	-5,187	-5,016	-5,387	-57,936	-60,312	-61,400	-63,887	-61,836	-65,042	-37,463	-33,756	-34,021
20	Goods, balance of payments basis <sup>2</sup> .....	-4,578	-4,485	-4,442	-53,646	-56,339	-56,879	-53,510	-51,404	-54,199	-32,519	-28,953	-29,246
21	Services <sup>3</sup> .....	-609	-531	-945	-4,290	-3,973	-4,521	-10,377	-10,432	-10,843	-4,944	-4,803	-4,775
22	Direct defense expenditures .....	-49	-38	-38	-28	-19	-18	-104	-83	-90	-376	-391	-400
23	Travel .....	-195	-179	-482	-1,108	-962	-1,356	-4,443	-4,572	-4,566	-730	-588	-613
24	Passenger fares .....	-76	-66	-154	-119	-107	-107	-697	-706	-848	-263	-241	-232
25	Other transportation .....	-51	-36	-47	-903	-865	-921	-844	-927	-959	-1,140	-1,130	-1,110
26	Royalties and license fees <sup>5</sup> .....	-22	-18	-16	-232	-198	-207	-345	-329	-343	-1,224	-1,392	-1,322
27	Other private services <sup>5</sup> .....	-202	-179	-193	-1,856	-1,797	-1,867	-3,816	-3,681	-3,902	-1,181	-1,012	-1,049
28	U.S. Government miscellaneous services .....	-14	-15	-15	-44	-45	-45	-128	-134	-135	-30	-49	-49
29	Income payments .....	-957	-884	-880	-1,119	-1,563	-2,152	-9,259	-11,295	-10,892	-9,086	-6,283	-6,762
30	Income payments on foreign-owned assets in the United States .....	-938	-865	-865	-1,039	-1,479	-2,069	-7,437	-9,672	-9,236	-9,062	-6,259	-6,745
31	Direct investment payments .....	-391	-395	-411	70	-366	-1,020	1,486	-805	-732	-3,008	-515	-1,168
32	Other private payments .....	-166	-122	-135	-886	-919	-873	-6,621	-6,605	-6,261	-1,587	-1,468	-1,317
33	U.S. Government payments .....	-381	-348	-319	-223	-194	-176	-2,302	-2,262	-2,243	-4,467	-4,276	-4,260
34	Compensation of employees .....	-19	-19	-15	-80	-84	-83	-1,822	-1,623	-1,656	-24	-24	-17
35	Unilateral current transfers, net .....	-1,062	-1,037	-1,087	-127	-145	-125	-6,189	-6,335	-6,549	172	141	162
36	U.S. Government grants <sup>4</sup> .....	-417	-349	-429	.....	.....	.....	.....	-501	-668	.....	.....	.....
37	U.S. Government pensions and other transfers .....	-15	-15	-11	-135	-136	-151	-248	-186	-196	-33	-34	-26
38	Private remittances and other transfers <sup>6</sup> .....	-630	-673	-647	8	-9	26	-5,472	-5,648	-5,685	205	175	188
<b>Capital and financial account</b>													
<b>Capital account</b>													
39	Capital account transactions, net .....	-49	-55	-51	38	28	24	2	-57	-6	5	6	6
<b>Financial account</b>													
40	U.S.-owned assets abroad, net (increase/financial outflow (-)) .....	-10	315	67	5,006	-400	7,800	-37,817	-18,193	-41,824	-13,901	-12,088	-7,375
41	U.S. official reserve assets, net .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Gold <sup>7</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net .....	63	58	-41	.....	.....	.....	-21	173	94	-6	8	2
47	U.S. credits and other long-term assets .....	-8	-12	-78	.....	.....	.....	-172	-68	-68	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets <sup>8</sup> .....	71	70	37	.....	.....	.....	141	248	164	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net .....	.....	.....	.....	.....	.....	.....	10	-7	-2	-6	8	2
50	U.S. private assets, net .....	-73	257	108	5,006	-400	7,800	-37,796	-18,366	-41,918	-13,895	-12,096	-7,377
51	Direct investment .....	-214	549	-664	1,484	-2,807	-5,164	-808	-7,307	306	-772	-893	-248
52	Foreign securities .....	851	135	429	-766	4,195	2,166	739	-12,693	-3,293	-9,613	-1,102	-260
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	2	-126	.....	1,362	-529	.....	-16,335	13,130	-14,347	-1,424	-340	.....
54	U.S. claims reported by U.S. banks, not included elsewhere .....	-712	-301	343	2,926	-1,259	10,798	-21,592	-11,496	-24,584	-3,086	-9,761	-6,869
55	Foreign owned assets in the United States, net (increase/financial inflow (+)) .....	1,157	4,332	8,288	-1,297	10,168	11,630	39,886	62,743	99,615	6,101	24,922	44,635
56	Foreign official assets in the United States, net .....	(18)	(18)	(18)	993	-1,262	122	(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 <sup>9</sup> .....	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other <sup>10</sup> .....	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities <sup>11</sup> .....	14	12	98	11	-12	-22	27	-5	25	-189	-176	20
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 <sup>12</sup> .....	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net .....	(18)	(18)	(18)	-2,290	11,430	11,508	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment .....	-619	-1,152	-194	101	325	1,971	4,058	960	1,814	4,222	-1,995	1,436
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 .....	-1,157	-1,254	-1,468	-1,981	2,566	4,119	8,882	-1,709	37,358	13,756	5,379	5,745
67	U.S. currency .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	16	-110	.....	-175	4,666	.....	-1,699	5,890	8,856	-1,914	-39	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere .....	<sup>18</sup> 2,903	<sup>18</sup> 6,836	<sup>18</sup> 9,852	(17)	(17)	(17)	<sup>18</sup> 28,618	<sup>18</sup> 57,607	<sup>18</sup> 51,562	<sup>18</sup> -9,774	<sup>18</sup> 21,753	<sup>18</sup> 37,434
70	Statistical discrepancy (sum of above items with sign reversed) .....	2,968	-941	-4,242	3,528	-542	-11,886	16,283	-21,639	-33,207	31,686	4,320	-19,838
<b>Memoranda:</b>													
71	Balance on goods (lines 3 and 20) .....	-2,951	-2,974	-2,839	-12,803	-15,162	-12,069	-15,169	-16,382	-18,128	-20,342	-16,774	-16,358
72	Balance on services (lines 4 and 21) .....	527	683	149	1,701	2,512	1,757	3,051	1,709	1,808	2,756	2,618	2,487
73	Balance on goods and services (lines 2 and 19) .....	-2,424	-2,291	-2,690	-11,102	-12,650	-10,312	-12,118	-14,673	-16,320	-17,586	-14,156	-13,871
74	Balance on income (lines 12 and 29) .....	-580	-323	-285	3,954	3,541	2,869	-47	-1,846	-1,709	-6,477	-3,145	-3,719
75	Unilateral current transfers, net (line 35) .....	-1,062	-1,037	-1,087	-127	-145	-125	-6,189	-6,335	-6,549	172	141	162
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) <sup>13</sup> .....	-4,066	-3,651	-4,062	-7,275	-9,254	-7,568	-18,354	-22,854	-24,578	-23,891	-17,160	-17,428

See footnotes on page D-57.

Table F.3. U.S. International Transactions, by Area—Continued

[Millions of dollars]

Line	(Credits +; debits -) <sup>1</sup>	Australia			Other countries in Asia and Africa			International organizations and unallocated <sup>16</sup>		
		2002		2003	2002		2003	2002		2003
		IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>	IV	I <sup>r</sup>	II <sup>p</sup>
<b>Current account</b>										
1	<b>Exports of goods and services and income receipts</b>	<b>5,880</b>	<b>5,283</b>	<b>5,841</b>	<b>61,206</b>	<b>62,650</b>	<b>60,192</b>	<b>8,831</b>	<b>8,954</b>	<b>8,794</b>
2	Exports of goods and services	4,709	4,075	4,576	52,306	53,738	52,345	1,556	1,555	1,587
3	Goods, balance of payments basis <sup>2</sup>	3,331	2,766	3,154	38,321	38,285	38,229			
4	Services <sup>3</sup>	1,378	1,309	1,422	13,985	15,453	14,116	1,556	1,555	1,587
5	Transfers under U.S. military agency sales contracts <sup>4</sup>	48	57	43	1,637	1,608	1,783			
6	Travel	370	317	352	2,222	2,070	2,606			
7	Passenger fares	67	66	79	210	184	266			
8	Other transportation	80	73	89	2,475	2,421	2,508	174	180	202
9	Royalties and license fees <sup>5</sup>	217	207	245	1,718	1,636	1,688	633	607	615
10	Other private services <sup>5</sup>	593	587	612	5,658	7,468	5,200	749	768	770
11	U.S. Government miscellaneous services	3	2	2	65	66	65			
12	Income receipts	1,171	1,208	1,265	8,900	8,912	7,847	7,275	7,399	7,207
13	Income receipts on U.S.-owned assets abroad	1,165	1,201	1,258	8,799	8,809	7,745	6,776	6,887	6,692
14	Direct investment receipts	733	768	850	7,059	7,264	4,608	4,630	4,666	4,682
15	Other private receipts	432	433	408	1,366	1,273	1,174	2,019	2,104	1,907
16	U.S. Government receipts				374	272	163	127	117	103
17	Compensation of employees	6	7	7	101	103	102	499	512	515
18	<b>Imports of goods and services and income payments</b>	<b>-3,038</b>	<b>-2,856</b>	<b>-2,826</b>	<b>-114,618</b>	<b>-110,888</b>	<b>-117,610</b>	<b>-4,423</b>	<b>-4,518</b>	<b>-2,155</b>
19	Imports of goods and services	-2,455	-2,212	-2,332	-107,727	-104,119	-108,685	-783	-840	-1,046
20	Goods, balance of payments basis <sup>2</sup>	-1,640	-1,415	-1,594	-96,584	-93,355	-97,778			
21	Services <sup>3</sup>	-815	-797	-738	-11,143	-10,764	-10,907	-783	-840	-1,046
22	Direct defense expenditures	-32	-26	-26	-2,273	-2,551				
23	Travel	-246	-267	-194	-2,202	-2,146	-1,832			
24	Passenger fares	-164	-176	-187	-1,299	-1,210	-1,149			
25	Other transportation	-45	-52	-44	-3,228	-2,858	-3,003	-501	-572	-772
26	Royalties and license fees <sup>5</sup>	-29	-15	-18	-63	-60	-56	-259	-243	-248
27	Other private services <sup>5</sup>	-289	-252	-260	-1,881	-1,736	-1,837	-23	-24	-25
28	U.S. Government miscellaneous services	-10	-9	-9	-197	-203	-204	-1	-1	-1
29	Income payments	-583	-644	-494	-6,891	-6,769	-8,925	-3,640	-3,678	-1,109
30	Income payments on foreign-owned assets in the United States	-580	-640	-491	-6,664	-6,542	-8,763	-3,640	-3,678	-1,109
31	Direct investment payments	-302	-372	-226	72	-29	-2,575	-2,493	-2,510	
32	Other private payments	-162	-159	-152	-1,724	-1,696	-1,608	-807	-835	-790
33	U.S. Government payments	-116	-109	-113	-5,012	-4,817	-4,580	-340	-333	-319
34	Compensation of employees	-3	-4	-3	-227	-227	-162			
35	<b>Unilateral current transfers, net</b>	<b>-55</b>	<b>-64</b>	<b>-64</b>	<b>-6,492</b>	<b>-8,388</b>	<b>-7,415</b>	<b>-2,059</b>	<b>-1,541</b>	<b>-1,657</b>
36	U.S. Government grants <sup>4</sup>				-3,227	-4,552	-4,106	-83	-147	-206
37	U.S. Government pensions and other transfers	-13	-13	-14	-133	-134	-136	-852	-142	-274
38	Private remittances and other transfers <sup>6</sup>	-42	-51	-50	-3,132	-3,702	-3,173	-1,124	-1,252	-1,177
<b>Capital and financial account</b>										
<b>Capital account</b>										
39	<b>Capital account transactions, net</b>	<b>-6</b>	<b>-6</b>	<b>-6</b>	<b>-212</b>	<b>-223</b>	<b>-212</b>			
<b>Financial account</b>										
40	<b>U.S.-owned assets abroad, net (increase/financial outflow (-))</b>	<b>-2,279</b>	<b>1,051</b>	<b>-4,911</b>	<b>14,547</b>	<b>-197</b>	<b>13,226</b>	<b>-6,460</b>	<b>-5,163</b>	<b>-13,570</b>
41	U.S. official reserve assets, net							-668	253	-16
42	Gold <sup>7</sup>									
43	Special drawing rights							-127	897	-102
44	Reserve position in the International Monetary Fund							-541	-644	86
45	Foreign currencies									
46	U.S. Government assets, other than official reserve assets, net				-132	-80	-110	-261	-263	-261
47	U.S. credits and other long-term assets				-2,370	-1,831	-333	-261	-263	-261
48	Repayments on U.S. credits and other long-term assets <sup>8</sup>				2,246	1,740	308			
49	U.S. foreign currency holdings and U.S. short-term assets, net				-8	11	-85			
50	U.S. private assets, net	-2,279	1,051	-4,911	14,679	-117	13,336	-5,531	-5,153	-13,293
51	Direct investment	-883	-1,276	-601	-5,299	-2,894	-2,558	-4,300	-4,666	-4,682
52	Foreign securities	126	369	-1,907	4,805	979	4,642	244	166	-86
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-2,306	1,499		366	-1,131		-2		-8,442
54	U.S. claims reported by U.S. banks, not included elsewhere	784	459	-2,403	14,807	2,929	11,252	-1,143	-503	-83
55	<b>Foreign owned assets in the United States, net (increase/financial inflow (+))</b>	<b>2,020</b>	<b>-3,365</b>	<b>11,514</b>	<b>26,074</b>	<b>24,866</b>	<b>26,469</b>	<b>14,473</b>	<b>6,120</b>	<b>1,914</b>
56	Foreign official assets in the United States, net	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )		168	25
57	U.S. Government securities	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )			
58	U.S. Treasury securities <sup>9</sup>	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )			
59	Other <sup>10</sup>	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )			
60	Other U.S. Government liabilities <sup>11</sup>	6	-9	11	227	-229	-149		168	25
61	U.S. liabilities reported by U.S. banks, not included elsewhere	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )			
62	Other foreign official assets <sup>12</sup>	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )			
63	Other foreign assets in the United States, net	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	14,473	5,952	1,889
64	Direct investment	-520	1,104	671	-968	930	233	2,493	2,510	2,499
65	U.S. Treasury securities	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )	( <sup>16</sup> )			
66	U.S. securities other than U.S. Treasury securities	495	-2,708	776	7,188	6,235	977	336	-110	-353
67	U.S. currency							7,249	4,927	1,458
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	270	715		-1,103	1,689				-5,667
69	U.S. liabilities reported by U.S. banks, not included elsewhere	<sup>18</sup> 1,769	<sup>18</sup> -2,467	<sup>18</sup> 10,056	<sup>18</sup> 20,730	<sup>18</sup> 16,261	<sup>18</sup> 25,408	<sup>18</sup> 4,395	<sup>18</sup> -1,375	<sup>18</sup> 3,952
70	<b>Statistical discrepancy (sum of above items with sign reversed)</b>	<b>-2,522</b>	<b>-43</b>	<b>-9,548</b>	<b>19,495</b>	<b>32,160</b>	<b>25,350</b>	<b>-10,362</b>	<b>-3,852</b>	<b>6,674</b>
<b>Memoranda:</b>										
71	Balance on goods (lines 3 and 20)	1,691	1,351	1,560	-58,263	-55,070	-59,549			
72	Balance on services (lines 4 and 21)	563	512	684	2,842	4,689	3,209	773	715	541
73	Balance on goods and services (lines 2 and 19)	2,254	1,863	2,244	-55,421	-50,381	-56,340	773	715	541
74	Balance on income (lines 12 and 29)	588	564	771	2,009	2,143	-1,078	3,635	3,721	6,098
75	Unilateral current transfers, net (line 35)	-55	-64	-64	-6,492	-8,388	-7,415	-2,059	-1,541	-1,657
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) <sup>13</sup>	2,787	2,363	2,951	-59,904	-56,626	-64,833	2,349	2,895	4,982

<sup>p</sup> Preliminary.<sup>r</sup> Revised.

See footnotes on page D-57.

Source: Table 11 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the SURVEY OF CURRENT BUSINESS.

**Table F.4. Private Services Transactions**  
(Millions of dollars)

Line	2002	Not seasonally adjusted						Seasonally adjusted					
		2002				2003		2002				2003	
		I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>	I	II	III	IV	I <sup>r</sup>	II <sup>p</sup>
<b>1 Exports of private services</b>	<b>279,495</b>	<b>66,848</b>	<b>67,752</b>	<b>73,234</b>	<b>71,661</b>	<b>69,733</b>	<b>68,972</b>	<b>68,164</b>	<b>69,325</b>	<b>69,882</b>	<b>72,121</b>	<b>71,002</b>	<b>70,732</b>
Travel (table F.2, line 6)	66,547	14,479	16,732	18,829	16,507	14,286	15,546	16,295	16,030	16,217	18,005	16,089	14,902
Passenger fares (table F.2, line 7)	17,046	3,872	4,281	4,831	4,062	3,444	3,768	4,224	4,279	4,288	4,255	3,736	3,768
Other transportation (table F.2, line 8)	29,166	6,784	7,104	7,646	7,632	7,488	7,941	7,102	7,075	7,307	7,682	7,837	7,910
Freight	12,330	2,879	2,926	3,134	3,391	3,273	3,656	2,934	2,918	3,140	3,338	3,337	3,645
Port services	16,836	3,905	4,178	4,512	4,241	4,215	4,285	4,168	4,157	4,167	4,344	4,500	4,265
Royalties and license fees (table F.2, line 9)	44,142	10,139	11,012	11,168	11,823	11,297	11,485	10,373	11,221	11,389	11,157	11,630	11,643
Affiliated	32,218	7,200	8,050	8,173	8,795	8,237	8,393	7,434	8,259	8,394	8,129	8,570	8,551
U.S. parents' receipts	29,066	6,881	7,236	7,199	7,750	7,285	7,827	7,066	7,313	7,357	7,329	7,487	7,895
U.S. affiliates' receipts	3,152	319	814	974	1,045	952	666	368	946	1,037	800	1,083	656
Unaffiliated	11,924	2,939	2,962	2,995	3,028	3,060	3,092	2,939	2,962	2,995	3,028	3,060	3,092
Industrial processes <sup>1</sup>	3,900	981	974	972	973	976	981	981	974	972	973	976	981
Other <sup>2</sup>	8,024	1,958	1,988	2,023	2,055	2,084	2,110	1,958	1,988	2,023	2,055	2,084	2,110
Other private services (table F.2, line 10)	122,594	31,574	28,623	30,760	31,637	33,218	30,232	30,170	30,720	30,681	31,022	31,710	32,509
Affiliated services	43,500	9,465	10,389	10,988	12,658	11,260	11,717	9,992	10,897	11,195	11,415	11,906	12,233
U.S. parents' receipts	25,194	5,793	6,167	6,207	6,207	6,582	7,051	6,035	6,262	6,380	6,517	6,852	7,154
U.S. affiliates' receipts	18,306	3,672	4,222	4,781	5,631	4,678	4,666	3,957	4,635	4,815	4,898	5,054	5,079
Unaffiliated services	79,094	22,109	18,234	19,772	18,979	21,958	18,515	20,178	19,823	19,486	19,607	19,804	20,276
Education	12,759	5,095	5,184	3,471	2,610	5,607	1,730	3,082	3,150	3,253	3,274	3,364	3,468
Financial services	15,859	4,083	4,126	3,842	3,808	3,825	3,977	4,083	4,126	3,842	3,808	3,825	3,977
Insurance services	2,839	663	701	735	740	742	740	663	701	735	740	742	740
Telecommunications	4,137	1,092	1,045	1,009	992	987	976	1,092	1,045	1,009	992	987	976
Business, professional, and technical services	28,799	7,599	7,146	6,993	7,062	7,081	7,319	7,599	7,146	6,993	7,062	7,081	7,319
Other unaffiliated services <sup>3</sup>	14,700	3,578	3,632	3,723	3,767	3,717	3,773	3,660	3,655	3,654	3,731	3,805	3,797
<b>25 Imports of private services</b>	<b>205,234</b>	<b>46,360</b>	<b>52,365</b>	<b>54,978</b>	<b>51,531</b>	<b>49,410</b>	<b>54,367</b>	<b>50,033</b>	<b>50,484</b>	<b>51,453</b>	<b>53,264</b>	<b>53,223</b>	<b>52,637</b>
Travel (table F.2, line 23)	58,044	12,430	15,806	16,930	12,878	12,196	14,395	14,453	14,252	14,314	15,025	14,168	13,014
Passenger fares (table F.2, line 24)	19,969	4,422	5,475	5,430	4,642	4,479	5,512	4,874	4,874	4,829	5,392	4,960	4,920
Other transportation (table F.2, line 25)	38,527	8,420	9,577	10,138	10,392	10,303	11,226	8,891	9,580	9,787	10,271	10,873	11,182
Freight	25,973	5,594	6,428	6,806	7,145	6,962	7,994	5,924	6,456	6,579	7,016	7,360	7,985
Port services	12,554	2,826	3,149	3,332	3,247	3,341	3,232	2,967	3,124	3,208	3,255	3,513	3,197
Royalties and license fees (table F.2, line 26)	19,258	4,607	4,765	4,941	4,945	4,564	4,679	4,728	4,902	5,036	4,592	4,698	4,835
Affiliated	15,132	3,242	3,691	4,106	4,093	3,699	3,802	3,363	3,828	4,201	3,740	3,833	3,958
U.S. parents' payments	2,958	598	718	843	799	630	630	598	718	843	799	630	630
U.S. affiliates' payments	12,174	2,644	2,973	3,263	3,294	3,069	3,172	2,765	3,110	3,358	2,941	3,203	3,328
Unaffiliated	4,126	1,365	1,074	835	852	865	877	1,365	1,074	835	852	865	877
Industrial processes <sup>1</sup>	1,935	474	480	487	494	504	513	474	480	487	494	504	513
Other <sup>2</sup>	2,192	891	594	349	358	362	365	891	594	349	358	362	365
Other private services (table F.2, line 27)	69,436	16,481	16,742	17,539	18,674	17,868	18,555	17,087	16,876	17,487	17,984	18,524	18,686
Affiliated services	32,367	7,616	7,496	8,053	9,202	8,192	8,529	8,094	7,631	8,183	8,457	8,720	8,674
U.S. parents' payments	17,529	3,749	4,181	4,607	4,992	4,329	4,805	4,062	4,287	4,657	4,522	4,705	4,915
U.S. affiliates' payments	14,838	3,867	3,315	3,446	4,210	3,863	3,724	4,032	3,344	3,526	3,935	4,015	3,759
Unaffiliated services	37,069	8,865	9,246	9,486	9,472	9,676	10,026	8,993	9,245	9,304	9,527	9,804	10,012
Education	2,466	471	615	807	573	510	667	597	612	624	627	639	653
Financial services	3,665	975	999	834	857	939	925	959	999	834	857	939	925
Insurance services	15,348	3,533	3,756	3,948	4,111	4,250	4,374	3,533	3,756	3,948	4,111	4,250	4,374
Telecommunications	4,180	1,112	1,050	1,023	996	966	961	1,112	1,050	1,023	996	966	961
Business, professional, and technical services	10,732	2,613	2,658	2,702	2,759	2,830	2,916	2,613	2,658	2,702	2,759	2,830	2,916
Other unaffiliated services <sup>3</sup>	679	161	169	173	176	180	183	161	169	173	176	180	183
<b>Supplemental detail on insurance transactions:</b>													
Premiums received	11,937	2,649	2,916	3,124	3,248	3,265	3,277	2,649	2,916	3,124	3,248	3,265	3,277
For insurance services <sup>4</sup> (line 21)	2,839	663	701	735	740	742	740	663	701	735	740	742	740
For loss settlement <sup>5</sup>	9,098	1,986	2,215	2,389	2,508	2,523	2,537	1,986	2,215	2,389	2,508	2,523	2,537
Actual losses paid <sup>6</sup>	8,619	2,199	2,158	2,131	2,131	2,176	2,236	2,199	2,158	2,131	2,131	2,176	2,236
Premiums paid	47,156	11,416	11,663	11,902	12,175	12,472	12,826	11,416	11,663	11,902	12,175	12,472	12,826
For insurance services <sup>4</sup> (line 45)	15,348	3,533	3,756	3,948	4,111	4,250	4,374	3,533	3,756	3,948	4,111	4,250	4,374
For loss settlement <sup>5</sup>	31,808	7,882	7,907	7,954	8,064	8,222	8,452	7,882	7,907	7,954	8,064	8,222	8,452
Actual losses recovered <sup>6</sup>	30,914	7,123	7,658	8,003	8,130	8,026	7,704	7,123	7,658	8,003	8,130	8,026	7,704
<b>Memoranda:</b>													
57 Balance on goods (table F.2, line 71)	-482,872	-96,947	-116,868	-134,059	-134,998	-126,994	-133,346	-106,033	-121,266	-123,312	-132,241	-136,018	-137,979
58 Balance on private services (line 1 minus line 25)	74,261	20,488	15,387	18,256	20,130	20,323	14,605	18,131	18,841	18,429	18,857	17,779	18,095
59 Balance on goods and private services (lines 57 and 58)	-408,611	-76,459	-101,481	-115,803	-114,868	-106,671	-118,741	-87,902	-102,445	-104,883	-113,384	-118,239	-119,884

<sup>p</sup> Preliminary.  
<sup>r</sup> 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.  
 4. Includes charges for auxiliary insurance services.  
 5. Beginning in 1992, the net result of (line 51 - line 52) - (line 55 - line 56) is recorded in "private remittances and other transfers" (table F.2, line 38).  
 Source: Table 3 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the Survey of Current Business.

**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 accounts 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 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the Survey of Current Business.  
 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 include U.S. affiliates' receipts from foreign parents.  
 6. Beginning in 1992, 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 in "U.S. International Transactions, Second Quarter 2003" in the October 2003 issue of the Survey.  
 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. A reconciliation of the other foreign transactions in the two sets of accounts appears in table 4.5 of the full set of NIPAs tables.  
**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, 2001 and 2002

[Millions of dollars]

Line	Type of investment	Position, 2001 <sup>1</sup>	Changes in position in 2001 (decrease (-))				Total (a+b+c+d)	Position, 2002 <sup>2</sup>
			Attributable to:					
			Financial flows	Valuation adjustments				
				Price changes	Exchange rate changes <sup>1</sup>	Other changes <sup>2</sup>		
(a)	(b)	(c)	(d)	(a+b+c+d)				
<b>Net international investment position of the United States:</b>								
1	With direct investment positions at current cost (line 3 less line 24) .....	-1,979,906	-527,998	-83,284	147,129	56,848	-407,305	-2,387,211
2	With direct investment positions at market value (line 4 less line 25) .....	-2,314,271	-527,998	-42,105	230,053	49,166	-290,884	-2,605,155
<b>U.S.-owned assets abroad:</b>								
3	With direct investment positions at current cost (lines 5+10+15) .....	6,187,410	178,985	-365,107	182,335	5,568	1,781	6,189,191
4	With direct investment positions at market value (lines 5+10+16) .....	6,891,251	178,985	-847,812	264,680	-13,542	-417,689	6,473,562
5	U.S. official reserve assets .....	129,961	3,681	18,492	6,482	-14	28,641	158,602
6	Gold .....	72,328	.....	<sup>3</sup> 18,492	.....	<sup>4</sup> -14	18,478	90,806
7	Special drawing rights .....	10,783	475	.....	908	.....	1,383	12,166
8	Reserve position in the International Monetary Fund .....	17,869	2,632	.....	1,478	.....	4,110	21,979
9	Foreign currencies .....	28,981	574	.....	4,096	.....	4,670	33,651
10	U.S. Government assets, other than official reserve assets .....	85,654	32	.....	.....	.....	32	85,686
11	U.S. credits and other long-term assets <sup>5</sup> .....	83,132	-73	.....	.....	.....	-73	83,059
12	Repayable in dollars .....	82,854	-69	.....	.....	.....	-69	82,785
13	Other <sup>6</sup> .....	278	-4	.....	.....	.....	-4	274
14	U.S. foreign currency holdings and U.S. short-term assets .....	2,522	105	.....	.....	.....	105	2,627
<b>U.S. private assets:</b>								
15	With direct investment at current cost (lines 17+19+22+23) .....	5,971,795	175,272	-383,599	175,853	5,582	-26,892	5,944,903
16	With direct investment at market value (lines 18+19+22+23) .....	6,675,636	175,272	-866,304	258,198	-13,528	-446,362	6,229,274
<b>Direct investment abroad:</b>								
17	At current cost .....	1,598,072	137,836	-5,215	25,577	-4,418	153,780	1,751,852
18	At market value .....	2,301,913	137,836	-487,920	107,922	-23,528	-265,690	2,036,223
19	Foreign securities .....	2,114,734	-15,801	-378,384	126,427	.....	-267,758	1,846,976
20	Bonds .....	502,061	-33,478	21,274	11,927	.....	-277	501,784
21	Corporate stocks .....	1,612,673	17,677	-399,658	114,500	.....	-267,481	1,345,192
22	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns .....	835,780	31,880	.....	13,301	10,000	55,181	890,961
23	U.S. claims reported by U.S. banks, not included elsewhere .....	1,423,209	21,357	.....	10,548	.....	31,905	1,455,114
<b>Foreign-owned assets in the United States:</b>								
24	With direct investment at current cost (lines 26+33) .....	8,167,316	706,983	-281,823	35,206	-51,280	409,086	8,576,402
25	With direct investment at market value (lines 26+34) .....	9,205,522	706,983	-805,707	34,627	-62,708	-126,805	9,078,717
<b>Foreign official assets in the United States:</b>								
26	U.S. Government securities .....	798,844	73,521	25,640	.....	.....	99,161	898,005
27	U.S. Treasury securities .....	650,703	43,144	16,761	.....	.....	59,905	710,608
28	Other .....	148,141	30,377	8,879	.....	.....	39,256	187,397
29	Other U.S. Government liabilities <sup>7</sup> .....	17,007	137	.....	.....	.....	137	17,144
30	U.S. liabilities reported by U.S. banks, not included elsewhere .....	123,425	17,594	.....	.....	.....	17,594	141,019
31	Other foreign official assets .....	87,918	3,608	-15,164	.....	.....	-11,556	76,362
<b>Other foreign assets:</b>								
32	With direct investment at current cost (lines 35+37+38+41+42+43) .....	7,140,122	612,123	-292,299	35,206	-51,280	303,750	7,443,872
33	With direct investment at market value (lines 36+37+38+41+42+43) .....	8,178,328	612,123	-816,183	34,627	-62,708	-232,141	7,946,187
<b>Direct investment in the United States:</b>								
34	At current cost .....	1,514,374	39,633	-6,060	579	-44,098	-9,946	1,504,428
35	At market value .....	2,552,580	39,633	-529,944	.....	-55,526	-545,837	2,006,743
36	U.S. Treasury securities .....	389,000	96,217	18,413	.....	.....	114,630	503,630
37	U.S. securities other than U.S. Treasury securities .....	2,855,705	291,492	-304,652	18,570	.....	5,410	2,861,115
38	Corporate and other bonds .....	1,391,616	236,309	43,801	18,570	.....	298,680	1,690,296
39	Corporate stocks .....	1,464,089	55,183	-348,453	.....	.....	-293,270	1,170,819
40	U.S. currency .....	275,569	21,513	.....	.....	.....	21,513	297,082
41	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns .....	799,120	72,142	.....	6,179	-7,182	71,139	870,259
42	U.S. liabilities reported by U.S. banks, not included elsewhere .....	1,306,354	91,126	.....	9,878	.....	101,004	1,407,358

<sup>P</sup> Preliminary.<sup>R</sup> Revised.

1. Represents gains or losses on foreign-currency-denominated assets due to their revaluation at current exchange rates.

2. Includes changes in coverage, capital gains and losses of direct investment affiliates, and other statistical 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 through foreign official agencies.

Source: Table 1 in "The International Investment Position of the United States at Yearend 2002" in the July 2003 issue of the Survey of Current Business.

**Table G.2. U.S. Direct Investment Abroad: Selected Items, by Country of Foreign Affiliate and by Industry of Foreign Affiliate, 1999-2002**

[Millions of dollars]

	Direct investment position on a historical-cost basis				Capital outflows (inflows (-))				Income			
	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
<b>All countries, all industries</b> .....	<b>1,215,980</b>	<b>1,316,247</b>	<b>1,383,225</b>	<b>1,520,965</b>	<b>209,392</b>	<b>142,627</b>	<b>103,767</b>	<b>119,742</b>	<b>114,348</b>	<b>133,692</b>	<b>107,060</b>	<b>123,889</b>
<b>By country of foreign affiliate</b>												
Canada .....	119,590	132,472	141,789	152,522	22,824	16,899	15,510	12,893	13,529	16,181	11,881	11,098
Europe .....	627,754	687,320	716,901	796,913	109,484	77,976	44,720	66,761	58,289	65,574	51,133	59,487
<i>Of which:</i>												
France .....	43,120	42,628	40,839	43,978	2,111	1,967	-118	2,132	1,781	2,370	1,722	1,884
Germany .....	53,399	55,508	65,800	64,739	5,658	3,811	11,046	-4654	5,086	4,736	3,879	2,991
Ireland .....	25,157	35,903	35,712	41,636	4,741	9,823	196	4,870	4,167	5,773	4,375	4,652
Netherlands .....	121,315	115,429	126,076	145,474	13,320	961	12,828	18,325	13,646	13,402	12,096	14,401
Switzerland .....	40,532	55,377	60,675	70,051	6,929	8,687	4,029	7,673	6,686	5,027	4,974	7,861
United Kingdom .....	216,638	230,762	238,773	255,391	47,265	28,317	15,720	18,871	13,629	19,099	9,665	11,250
Latin America and Other Western Hemisphere .....	253,928	266,576	282,328	272,363	44,658	23,212	26,152	8,610	19,686	19,796	18,860	16,809
<i>Of which:</i>												
Bermuda .....	50,847	60,114	66,144	68,856	6,871	9,363	6,704	4,238	4,655	6,446	6,137	4,758
Brazil .....	37,184	36,717	35,523	31,715	5,672	3,350	769	181	1,180	1,621	1,294	766
Mexico .....	37,151	39,352	56,554	58,074	8,164	4,203	15,305	3,627	4,350	4,431	4,251	4,532
United Kingdom Islands, Caribbean .....	29,762	33,451	30,242	29,252	11,264	989	-20	-719	2,466	1,606	2,813	3,132
Africa .....	13,118	11,891	13,411	15,066	596	716	1,120	861	1,803	2,010	1,537	1,938
Middle East .....	10,950	10,863	12,351	14,154	1,000	1,375	1,585	1,837	1,334	2,272	1,375	1,864
Asia and Pacific .....	190,621	207,125	216,445	269,947	30,831	22,449	14,680	28,779	19,707	27,861	22,274	32,694
<i>Of which:</i>												
Australia .....	35,386	34,838	32,574	36,337	4,868	890	-396	3,726	2,397	3,415	1,702	2,596
Hong Kong .....	22,759	27,447	32,089	35,764	4,447	4,922	4,407	2,035	3,170	5,163	4,785	4,962
Japan .....	55,120	57,091	58,233	65,676	10,602	4,295	2,322	4,482	4,146	5,988	4,767	6,807
Singapore .....	20,665	24,133	26,749	61,361	3,863	3,688	3,820	11,407	2,604	4,045	2,600	10,060
<b>By industry of foreign affiliate</b>												
Mining .....	72,526	72,111	78,319	80,976	9,298	2,174	12,823	9,011	8,451	13,164	10,011	10,165
Utilities .....	22,472	21,964	23,214	20,932	1,296	2,466	2,436	-3301	1,503	1,610	1,574	1,552
Manufacturing .....	327,282	343,899	365,924	392,553	39,672	43,002	29,899	29,510	35,637	42,230	32,234	31,279
<i>Of which:</i>												
Food .....	23,268	23,497	24,681	28,240	1,111	2,014	2,274	3,893	3,020	2,681	2,626	3,440
Chemicals .....	81,727	75,807	93,779	99,371	9,007	3,812	8,270	10,116	9,026	11,552	10,313	12,065
Primary and fabricated metals .....	21,569	21,644	22,699	24,359	2,068	1,233	1,251	1,814	1,552	1,536	1,379	973
Machinery .....	21,501	22,229	21,292	22,025	2,785	2,659	-845	161	2,048	2,257	1,261	1,412
Computers and electronic products .....	46,783	59,909	65,559	69,208	9,631	17,303	8,659	922	6,430	8,860	5,868	3,764
Electrical equipment, appliances, and components .....	8,212	10,005	10,118	10,166	1,136	2,100	1,115	100	998	1,079	478	397
Transportation equipment .....	43,322	49,887	44,210	48,378	4,482	7,814	2,809	3,238	4,770	4,107	1,921	1,477
Wholesale trade .....	86,313	93,936	102,322	114,895	11,029	11,938	9,096	7,182	12,414	14,198	13,002	13,229
Information .....	50,062	52,345	50,492	53,841	14,180	16,531	3,519	1,533	752	-964	-3491	237
Depository institutions (banking) .....	40,879	40,152	52,681	52,935	903	-1274	9,715	-1185	968	2,191	2,662	2,270
Finance (except depository institutions) and insurance .....	198,749	217,086	225,556	244,480	27,833	21,659	5,807	25,775	13,097	15,210	8,430	14,005
Professional, scientific, and technical services .....	29,968	32,868	34,704	38,307	7,238	5,441	3,442	2,448	2,985	3,548	2,084	2,968
Other industries .....	387,709	441,886	450,013	522,047	97,944	40,690	27,030	48,769	38,542	42,504	40,555	48,184

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, 2002" in the September 2003 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)							Thousands of employees
	Millions of dollars					Thousands of employees	Millions of dollars							
	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		
<b>All countries, all industries</b> .....	<b>5,260,182</b>	<b>2,891,497</b>	<b>209,605</b>	<b>203,007</b>	<b>215,300</b>	<b>9,606.9</b>	<b>4,647,439</b>	<b>2,486,855</b>	<b>191,115</b>	<b>605,888</b>	<b>195,951</b>	<b>201,374</b>	<b>8,064.7</b>	
<b>By country</b>														
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	
<b>By industry</b>														
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.

Note: The data in this table are from "U.S. Multinational Companies: Operations in 2000" in the December 2002 issue of the SURVEY OF CURRENT BUSINESS.

**Table G.4. Foreign Direct Investment in the United States: Selected Items, by Country of Foreign Parent and by Industry of U.S. Affiliate, 1999-2002**

[Millions of dollars]

	Direct investment position on a historical-cost basis				Capital inflows (outflows (-))				Income			
	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
<b>All countries, all industries</b> .....	<b>955,726</b>	<b>1,256,867</b>	<b>1,355,114</b>	<b>1,347,994</b>	<b>283,376</b>	<b>314,007</b>	<b>143,980</b>	<b>30,032</b>	<b>46,385</b>	<b>47,921</b>	<b>8,899</b>	<b>38,821</b>
<b>By country of foreign parent</b>												
Canada .....	90,559	114,309	102,127	92,041	26,367	27,258	12,957	-3,577	2,215	849	-5,817	-1,233
Europe .....	639,923	887,014	1,005,606	1,006,530	223,406	251,041	127,859	25,956	36,753	38,766	17,454	32,348
<i>Of which:</i>												
France .....	89,945	125,740	148,282	170,619	29,834	51,001	12,146	16,097	2,954	3,633	5,477	5,052
Germany .....	112,126	122,412	164,017	137,036	23,478	14,054	37,939	-4,607	6,123	2,140	-8,155	-2,906
Luxembourg .....	35,644	58,930	34,111	34,349	6,887	30,864	-21,654	-1,327	2,241	4,711	2,675	1,220
Netherlands .....	125,010	138,894	157,596	154,753	41,689	33,517	25,193	-4,989	7,299	8,776	3,739	5,652
Switzerland .....	52,973	64,719	118,447	113,232	2,503	12,124	52,580	1,907	2,844	2,782	1,089	5,137
United Kingdom .....	153,797	277,613	269,321	283,317	108,566	82,652	4,891	14,851	11,899	13,347	10,368	12,309
Latin America and Other Western Hemisphere .....	40,771	53,691	54,082	52,291	16,929	12,741	3,435	-1,190	2,397	2,382	-3,567	-458
<i>Of which:</i>												
Bermuda .....	14,798	18,336	4,611	977	10,338	2,965	-8,734	-3,012	41	-204	-5,076	-2,928
Mexico .....	1,999	7,462	7,336	7,857	1,273	5,062	-320	1,281	175	-142	-716	-369
Panama .....	5,275	3,819	4,391	5,668	-226	-1,087	303	1,824	752	647	499	844
United Kingdom Islands, Caribbean .....	11,573	15,191	26,200	25,502	4,137	3,800	13,069	-1,419	1,527	1,627	1,264	720
Africa .....	1,361	2,700	2,397	2,344	423	666	-374	28	-66	31	-198	36
Middle East .....	4,362	6,506	6,145	6,766	376	2,389	-334	560	156	241	220	-89
Asia and Pacific .....	178,749	192,647	184,757	188,023	15,876	19,912	438	8,253	4,931	5,651	808	8,218
<i>Of which:</i>												
Australia .....	15,616	18,775	22,289	24,470	4,193	4,935	5,675	4,258	643	356	1,488	749
Japan .....	153,815	159,690	150,008	152,032	11,555	7,820	-4,005	4,970	4,006	5,182	-110	7,323
Singapore .....	1,365	5,087	3,490	2,902	-560	5,911	-1,467	-530	101	-123	-164	-75
<b>By industry of U.S. affiliate</b>												
Manufacturing .....	406,415	480,561	484,042	470,893	82,382	105,119	36,855	4,445	28,855	24,744	5,288	21,706
<i>Of which:</i>												
Food .....	15,015	18,073	15,240	15,113	-1,637	2,281	-2,735	1,427	1,246	1,076	528	-71
Chemicals .....	96,614	120,413	123,748	112,602	7,435	25,466	9,236	-10,519	6,236	4,572	3,413	7,326
Primary and fabricated metals .....	18,831	24,184	19,217	18,482	2,881	8,199	-3,219	1,038	886	1,121	-287	114
Machinery .....	30,462	32,283	32,924	35,502	17,878	2,175	1,553	1,150	886	1,003	582	-131
Computers and electronic products .....	62,566	92,782	58,053	54,040	29,481	33,073	-1,282	-2,598	634	2,395	-4,965	-1,543
Electrical equipment, appliances, and components .....	13,413	43,109	61,103	53,834	4,206	13,333	17,878	376	585	2,033	22	4,454
Transportation equipment .....	52,809	55,750	60,881	61,570	7,153	1,653	9,719	5,814	6,946	4,284	1,772	4,204
Wholesale trade .....	106,745	173,991	177,396	188,819	16,458	52,501	6,962	10,815	6,066	13,569	9,347	13,067
Retail trade .....	22,387	26,703	28,323	28,341	3,335	4,111	5,183	548	1,152	1,519	674	2,008
Information .....	78,035	146,856	199,809	185,408	81,894	25,207	47,436	8,074	-22	-3,996	-12,000	-4,354
Depository institutions (banking) .....	61,972	64,236	71,628	80,726	19,471	5,775	7,329	4,132	2,974	3,590	2,715	2,431
Finance (except depository institutions) and insurance .....	132,203	167,007	174,109	162,853	35,185	50,990	18,659	-7,887	3,185	3,782	-433	305
Real estate and rental and leasing .....	47,816	49,985	49,828	50,769	5,948	3,473	-2,645	1,781	1,211	2,382	1,562	1,866
Professional, scientific, and technical services .....	11,682	30,492	41,659	40,245	5,826	34,136	9,952	1,414	-66	-166	-20	5
Other industries .....	88,473	117,037	128,320	139,939	32,876	32,695	14,250	6,710	3,029	2,496	1,766	1,787

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, 2002" in the September 2003 issue of the SURVEY OF CURRENT BUSINESS.

**Table G.5. Selected Financial and Operating Data of Nonbank U.S. Affiliates of Foreign Companies by Country of Ultimate Beneficial Owner and by Industry of Affiliate, 2001**

	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
<b>All countries, all industries .....</b>	<b>5,466,000</b>	<b>2,354,136</b>	<b>-42,902</b>	<b>486,553</b>	<b>6,371.9</b>	<b>163,641</b>	<b>369,488</b>	<b>4,732,536</b>	<b>2,085,727</b>	<b>-48,608</b>	<b>428,109</b>	<b>5,671.5</b>	<b>149,323</b>	<b>352,861</b>
<b>By country</b>														
Canada .....	385,328	156,413	-18,848	34,648	562.2	9,497	16,596	367,143	146,772	-18,694	30,843	509.4	9,143	16,170
Europe .....	3,732,776	1,389,403	-18,654	308,241	4,251.0	86,263	145,454	3,523,089	1,249,018	-20,864	275,753	3,894.9	78,431	139,964
<i>Of which:</i>														
France .....	534,536	188,096	-5,085	39,975	578.6	16,011	19,154	490,219	168,649	-3,309	37,376	505.5	10,464	(D)
Germany .....	687,828	313,897	-12,786	50,180	734.8	30,173	55,981	671,073	302,392	-12,734	46,985	699.4	29,665	55,687
Netherlands .....	620,025	244,594	1,964	44,685	571.9	6,717	16,496	598,268	(D)	(D)	40,309	558.3	(D)	(D)
Sweden .....	65,477	41,001	-852	10,494	248.8	3,866	4,171	64,968	40,263	-813	10,133	241.4	3,846	4,141
Switzerland .....	818,244	127,686	-4,425	36,080	546.8	7,216	8,461	793,647	115,143	-4,435	30,374	452.4	7,110	8,298
United Kingdom .....	841,184	353,895	4,474	100,338	1,120.7	15,985	26,366	755,051	319,860	2,372	87,941	1,037.7	15,394	26,046
Latin America and Other Western Hemisphere .....	250,890	138,681	-7,725	33,724	456.3	10,587	18,547	237,244	118,571	-7,848	29,631	355.8	10,357	15,735
<i>Of which:</i>														
Bermuda .....	149,960	57,834	-7,353	14,079	225.4	6,293	1,937	(D)	(D)	(D)	14,008	223.8	6,284	1,932
Mexico .....	29,957	29,809	-825	6,303	143.8	(D)	3,409	21,173	16,291	-670	3,270	50.1	(D)	2,774
Panama .....	1,750	1,194	-9	510	6.6	127	64	1,637	1,134	-15	492	6.5	127	64
United Kingdom Islands, Caribbean .....	44,411	(D)	(D)	2,002	34.8	(D)	1,555	43,927	9,596	-322	1,910	33.3	(D)	1,555
Venezuela .....	11,815	25,635	794	6,445	7.7	343	(D)	(D)	(D)	(D)	(D)	H	(D)	(D)
Africa .....	8,145	5,559	22	1,126	11.0	639	254	(D)	(D)	(D)	(D)	J	(D)	249
Middle East .....	25,621	32,251	928	8,819	48.2	846	7,801	23,557	30,805	969	8,298	39.8	842	7,744
Asia and Pacific .....	656,210	576,886	-5,424	87,368	965.1	54,017	179,590	555,586	518,444	-3,576	76,499	829.7	48,205	171,845
<i>Of which:</i>														
Australia .....	68,610	31,243	-3,601	8,251	80.4	1,715	1,328	60,231	25,526	-3,414	7,171	66.4	(D)	782
Japan .....	536,435	481,598	99	71,663	786.8	43,725	153,342	449,523	437,268	1,576	62,983	683.6	40,728	149,817
United States .....	407,029	54,944	6,798	12,627	78.1	1,792	1,245	(D)	(D)	(D)	(D)	K	(D)	1,153
<b>By industry <sup>1</sup></b>														
Manufacturing .....	1,151,660	952,003	-22,025	225,483	2,569.8	99,394	144,995	1,066,060	829,797	-22,524	204,508	2,355.7	88,818	131,019
<i>Of which:</i>														
Food .....	59,196	49,269	-74	11,362	153.0	2,364	3,953	57,730	46,268	-136	10,762	143.2	2,242	3,879
Chemicals .....	263,557	174,681	-630	44,412	385.2	16,935	20,704	244,245	160,158	-1,138	40,640	354.4	15,872	20,404
Primary and fabricated metals .....	61,158	63,091	83	17,014	211.7	5,588	8,525	52,230	54,127	-19	15,167	196.5	4,483	7,667
Machinery .....	95,222	72,510	-1,592	21,325	309.9	8,572	8,773	93,528	71,023	-595	21,275	303.5	8,357	8,464
Computers and electronic products .....	111,804	98,870	-19,162	21,566	256.6	17,421	24,184	98,829	85,648	-18,673	18,455	224.9	12,478	17,040
Electrical equipment, appliances, and components .....	118,087	49,658	-1,509	12,777	198.8	6,080	3,056	117,844	49,279	-1,527	12,689	197.7	5,958	3,001
Transportation equipment .....	206,515	198,389	-2,472	32,166	389.2	29,788	50,651	199,646	187,749	-2,658	29,685	361.7	(D)	(D)
Wholesale trade .....	411,476	653,230	8,227	85,241	596.6	58,099	213,468	403,192	631,713	7,769	81,839	563.8	54,537	211,182
Retail trade .....	83,705	137,142	-989	30,131	776.5	1,443	5,114	63,854	115,413	-605	25,311	630.8	1,422	4,824
Information .....	334,134	98,779	-19,709	18,372	307.4	(D)	242	245,267	71,410	-19,886	8,444	235.0	(D)	(D)
<i>Of which:</i>														
Publishing industries .....	59,148	28,976	-4,059	7,698	101.9	467	(D)	44,867	25,397	-3,228	6,321	86.8	455	140
Broadcasting and telecommunications .....	178,253	45,443	-12,434	4,263	94.2	(D)	2	(D)	(D)	(D)	(D)	(D)	(D)	2
Finance (except depository institutions) and insurance .....	2,922,634	253,305	-4,705	33,264	336.5	(*)	4	2,475,361	207,910	-10,954	24,139	278.7	(*)	4
Real estate and rental and leasing .....	118,683	24,197	2,395	11,255	44.6	(D)	455	106,962	21,240	2,040	9,652	35.8	(D)	455
Professional, scientific, and technical services .....	60,319	45,396	-3,395	15,178	202.4	405	313	52,073	41,891	-2,432	14,500	180.8	(D)	(D)
Other industries .....	383,390	190,084	-2,701	67,628	1,538.1	3,370	4,897	319,767	166,352	-2,017	59,716	1,390.9	3,255	4,846

D Suppressed to avoid disclosure of data of individual companies.

\* Less than \$500,000.

1. The industry classification system used to classify 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 2001," in the August 2003 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

	2002						2003							
	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.
Unemployment rate (percent)														
Euro area .....	8.40	8.40	8.50	8.50	8.60	8.60	8.70	8.70	8.80	8.80	8.80	8.80	8.80	8.80
France .....	9.10	9.10	9.10	9.10	9.20	9.30	9.30	9.40	9.40	9.50	9.50	9.50	9.60	9.60
Germany .....	9.80	9.90	9.90	9.90	10.00	10.10	10.30	10.50	10.60	10.70	10.60	10.60	10.60	10.60
Italy .....	.....	9.00	.....	.....	8.90	.....	.....	9.00	.....	.....	.....	.....	.....	.....
Netherlands .....	4.20	4.20	4.30	4.30	4.40	4.40	4.50	4.90	5.10	5.40	5.50	5.40	5.30	5.40
United Kingdom .....	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	.....
Japan .....	5.40	5.50	5.40	5.50	5.30	5.30	5.50	5.20	5.40	5.40	5.40	5.30	5.30	5.10
Singapore .....	.....	4.60	.....	.....	4.20	.....	4.50	.....	.....	.....	4.50	.....	.....	.....
South Korea .....	2.80	3.00	2.60	2.80	2.80	3.10	3.50	3.70	3.60	3.30	3.20	3.30	3.40	3.30
Taiwan .....	5.23	5.35	5.32	5.31	5.22	5.04	5.03	5.17	5.08	4.92	4.98	5.09	5.16	.....
Canada .....	7.60	7.50	7.70	7.60	7.50	7.50	7.40	7.40	7.30	7.50	7.80	7.80	7.80	8.00
Mexico .....	2.90	2.80	3.10	2.70	2.60	2.10	2.80	2.80	2.80	3.00	2.70	.....	.....	.....
United States .....	5.80	5.80	5.70	5.80	5.90	6.00	5.70	5.80	5.80	6.00	6.10	6.40	6.20	6.10
Short-term interest rate (percent per year)														
Euro area .....	3.41	3.35	3.31	3.26	3.12	2.94	2.83	2.69	2.53	2.54	2.41	2.15	2.13	2.14
France .....	3.40	3.32	3.25	3.17	3.02	2.86	2.79	2.67	2.44	2.46	2.32	2.07	2.07	2.09
Germany .....	3.39	3.33	3.29	3.24	3.11	2.93	2.81	2.67	2.51	2.52	2.39	2.13	2.11	2.12
Italy .....	3.37	3.20	3.11	3.01	2.94	2.69	2.60	2.43	.....	.....	.....	.....	.....	.....
Netherlands .....	3.41	3.35	3.31	3.26	3.12	2.94	2.83	2.69	2.53	2.53	2.40	2.15	2.13	2.14
United Kingdom .....	3.72	3.82	3.77	3.69	3.83	3.84	3.75	3.46	3.48	3.44	3.41	3.47	3.33	.....
Singapore .....	0.70	0.78	1.20	0.95	0.85	0.67	0.66	0.62	0.63	0.55	0.55	0.52	0.63	0.78
South Korea .....	4.91	4.80	4.81	4.91	4.91	4.90	4.70	4.54	4.76	4.62	4.39	4.28	4.15	3.90
Taiwan .....	1.85	1.86	1.90	1.91	1.73	1.52	1.37	1.21	1.19	1.16	1.11	1.09	0.85	.....
Canada .....	2.85	3.00	2.83	2.81	2.73	2.67	2.81	2.86	3.14	3.24	3.20	3.13	2.81	2.70
Mexico .....	8.38	7.47	8.50	8.85	8.61	8.47	9.49	9.93	9.99	8.81	5.91	.....	.....	.....
United States .....	1.68	1.62	1.63	1.58	1.23	1.19	1.17	1.17	1.13	1.13	1.07	0.92	0.90	0.95
Long-term interest rate (percent per year)														
Euro area .....	5.03	4.73	4.52	4.62	4.59	4.41	4.27	4.06	4.13	4.23	3.92	3.72	4.06	4.20
France .....	5.01	4.70	4.46	4.63	4.66	4.43	4.27	4.07	4.17	4.25	3.97	3.75	4.05	4.24
Germany .....	4.90	4.60	4.40	4.50	4.50	4.30	4.20	4.00	4.00	4.20	.....	.....	.....	.....
Italy .....	5.11	4.83	4.62	4.76	4.74	4.55	4.38	4.16	4.19	.....	.....	.....	.....	.....
Netherlands .....	4.99	4.71	4.50	4.58	4.55	4.36	4.19	3.97	4.01	4.23	3.91	3.72	4.04	4.18
United Kingdom .....	4.90	4.64	4.45	4.59	4.64	4.62	4.44	4.39	4.54	4.67	4.46	4.39	4.65	.....
Japan .....	1.33	1.16	1.17	1.03	0.96	0.89	0.75	0.78	0.73	0.61	.....	.....	.....	.....
Singapore .....	3.72	3.51	3.31	3.04	2.97	2.55	2.44	2.24	2.05	2.10	1.89	2.28	3.07	3.72
South Korea .....	6.54	6.24	6.16	6.11	5.80	5.77	5.43	5.15	5.20	5.03	4.68	4.46	4.95	5.26
Taiwan .....	3.50	3.37	3.23	2.99	2.82	2.48	1.96	1.90	1.93	1.91	1.49	1.42	1.81	.....
Canada .....	5.23	5.14	4.92	5.16	5.18	4.88	5.02	4.93	5.13	.....	.....	.....	.....	.....
United States .....	4.65	4.26	3.87	3.94	4.05	4.03	4.05	3.90	3.81	3.96	3.57	3.33	3.98	4.45
Real GDP (percent change from same quarter a year earlier)														
Euro area .....	.....	1.00	.....	.....	1.10	.....	.....	0.70	.....	.....	0.20	.....	.....	.....
France .....	.....	1.30	.....	.....	1.30	.....	.....	0.70	.....	.....	-0.30	.....	.....	.....
Germany .....	.....	0.90	.....	.....	0.30	.....	.....	0.40	.....	.....	-0.60	.....	.....	.....
Italy .....	.....	0.40	.....	.....	0.90	.....	.....	0.80	.....	.....	.....	.....	.....	.....
Netherlands .....	.....	0.70	.....	.....	0.10	.....	.....	-0.20	.....	.....	-1.20	.....	.....	.....
United Kingdom .....	.....	2.30	.....	.....	2.30	.....	.....	2.10	.....	.....	1.80	.....	.....	.....
Japan .....	.....	1.60	.....	.....	2.30	.....	.....	2.90	.....	.....	3.00	.....	.....	.....
Singapore .....	.....	3.80	.....	.....	3.00	.....	.....	1.70	.....	.....	-4.20	.....	.....	.....
South Korea .....	.....	5.75	.....	.....	6.78	.....	.....	3.73	.....	.....	1.90	.....	.....	.....
Taiwan .....	.....	5.64	.....	.....	5.00	.....	.....	5.30	.....	.....	.....	.....	.....	.....
Canada .....	.....	4.00	.....	.....	3.50	.....	.....	2.70	.....	.....	1.60	.....	.....	.....
Mexico .....	.....	1.80	.....	.....	1.90	.....	.....	2.30	.....	.....	0.20	.....	.....	.....
United States .....	.....	3.30	.....	.....	2.90	.....	.....	2.00	.....	.....	2.50	.....	.....	.....
Stock market prices (index number)														
France .....	54.55	53.77	44.37	50.32	53.14	48.94	46.93	43.99	41.83	47.18	47.79	49.26	51.28	52.89
Germany .....	52.51	52.70	39.30	44.75	47.12	41.05	39.00	36.15	34.40	41.76	42.33	45.71	49.50	49.46
Italy .....	59.03	59.63	50.96	55.50	60.29	55.36	53.20	54.19	50.93	56.12	58.57	58.13	59.16	59.59
Netherlands .....	55.12	56.34	44.93	51.98	54.88	48.93	44.71	40.36	37.68	42.85	42.54	44.20	48.13	49.94
United Kingdom .....	66.94	66.64	58.67	63.69	65.73	62.12	56.24	57.63	56.96	61.89	63.82	63.55	65.53	65.60
Japan .....	58.43	56.90	55.51	51.11	54.51	50.75	49.33	49.47	47.16	46.33	49.83	53.73	56.57	61.19
Singapore .....	73.73	72.76	66.10	71.53	68.02	65.55	63.13	62.27	61.97	62.63	65.94	70.77	76.20	78.17
South Korea .....	101.62	104.23	91.49	93.26	102.59	88.82	83.77	81.45	75.82	84.83	89.65	94.82	100.99	107.50
Taiwan .....	63.95	61.68	54.26	59.28	60.15	57.64	64.92	57.38	55.94	53.70	58.98	63.07	68.85	73.15
Canada .....	68.75	68.82	64.33	65.04	68.39	68.85	68.38	68.23	66.02	68.55	71.40	72.68	75.54	78.24
Mexico .....	92.53	95.52	88.02	91.70	94.60	94.14	91.49	91.07	90.87	100.03	102.93	108.40	113.01	116.64
United States .....	64.21	64.52	57.43	62.39	65.95	61.97	60.27	59.25	59.74	64.58	67.87	68.64	69.75	71.00
Exchange rate <sup>1</sup>														
Euro area (E).....	0.99	0.98	0.98	0.98	1.00	1.02	1.06	1.08	1.08	1.09	1.16	1.17	1.14	1.12
United Kingdom (f) .....	1.56	1.54	1.56	1.56	1.57	1.59	1.62	1.61	1.58	1.57	1.62	1.66	1.62	1.59
Japan (Y).....	117.90	118.99	121.08	123.91	121.61	121.89	118.81	119.34	118.69	119.90	117.37	118.33	118.70	118.66
Singapore (S\$) .....	1.75	1.76	1.77	1.78	1.77	1.75	1.74	1.75	1.76	1.78	1.74	1.74	1.76	1.75
South Korea (W) .....	1,179.99	1,197.51	1,211.61	1,240.19	1,210.20	1,206.61	1,176.45	1,190.37	1,237.20	1,231.10	1,201.23	1,194.14	1,181.16	1,178.60
Taiwan (NT\$).....	33.27	33.88	34.57	34.95	34.67	34.80	34.57	34.73	34.72	34.82	34.70	34.63	34.40	34.32
Canada (Can\$).....	1.55	1.57	1.58	1.58	1.57	1.56	1.54	1.51	1.48	1.46	1.38	1.35	1.38	1.40
Mexico (Ps).....	9.78	9.84	10.07	10.09	10.20	10.23	10.62	10.95	10.91	10.59	10.25	10.50	10.46	10.78
United States (\$).....	124.20	125.64	126.67	127.69	126.38	125.70	124.21	124.12	123.56	122.54	118.54	117.93	119.11	120.43

1. Figures for the Euro area and for the United Kingdom are in U.S. dollars per euro and per pound sterling, respectively. The rate for the United States is a 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. For other countries, figures are in currency units per U.S. dollar.

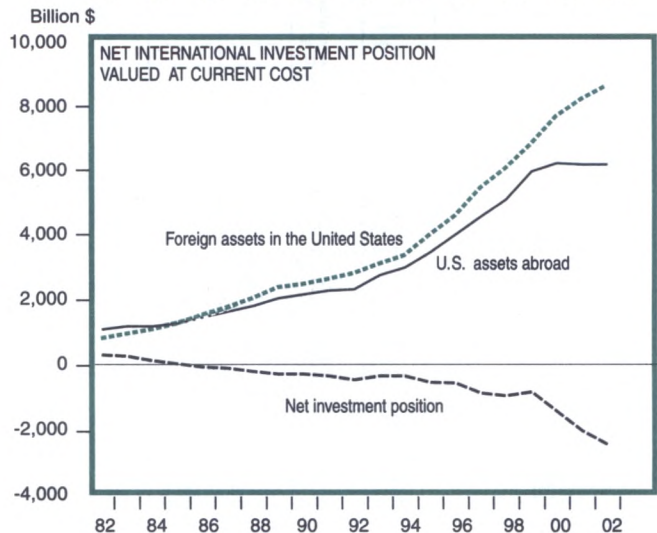
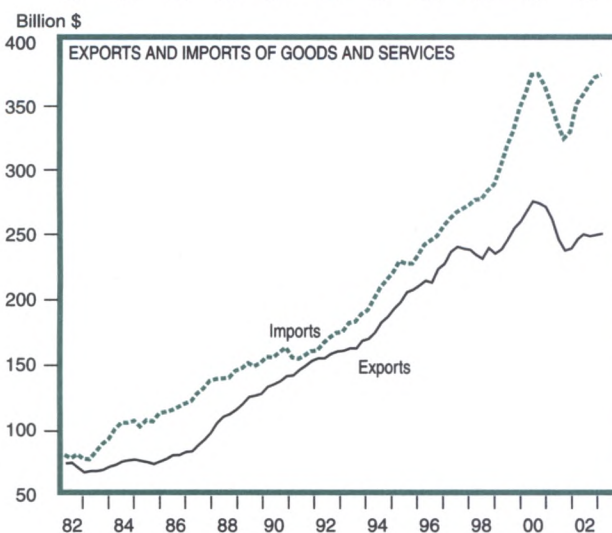
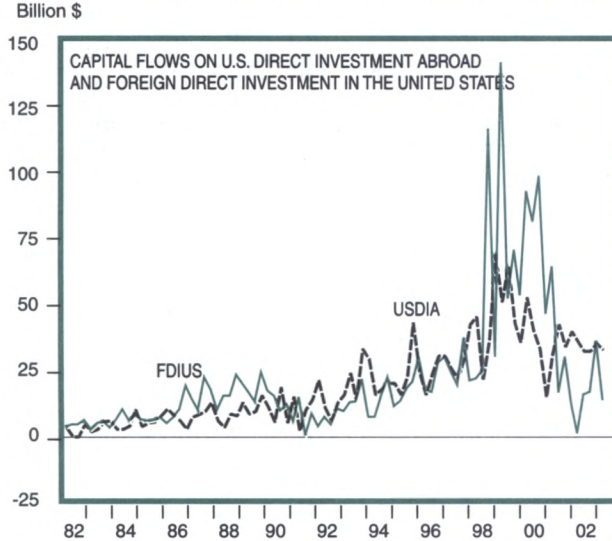
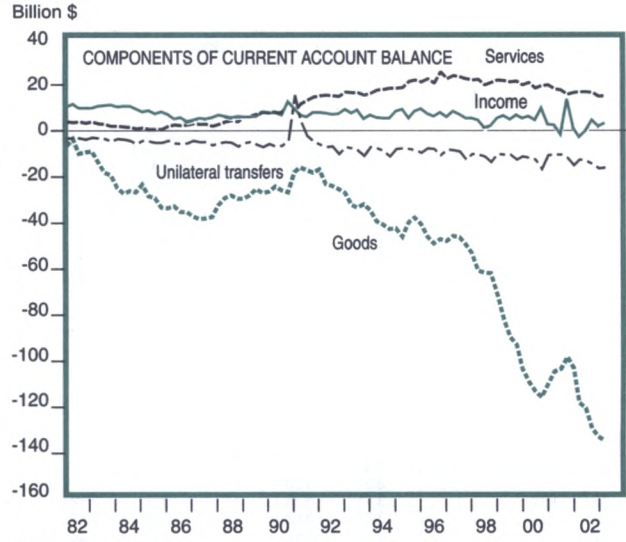
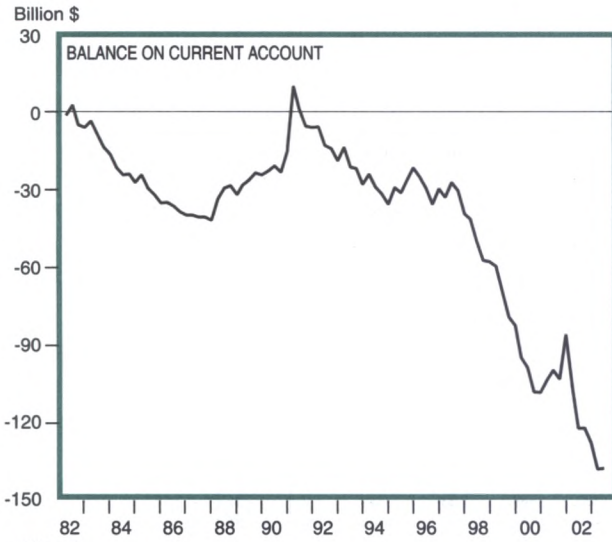
to 2000 = 100 to facilitate comparisons. Other series are drawn from the web sites of the statistical agencies of the countries shown.

Note: In 2002, the countries in this table accounted for 62 percent of the value of U.S. imports of goods and 70 percent of the value of U.S. exports of goods. The Euro area consists of Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, and Spain.

Sources: Exchange rates are from the Board of Governors of the Federal Reserve System. Indexes of stock market prices are calculated from data taken from finance oriented web sites and are rebased

### I. Charts

## THE U.S. IN THE INTERNATIONAL DOMESTIC ECONOMY



U.S. Bureau of Economic Analysis

# 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](mailto: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 [gspspread@bea.gov](mailto:gspspread@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	1999			2000				2001				2002				2003	Percent change <sup>1</sup>
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	
<b>United States</b> .....	<b>7,715,362</b>	<b>7,801,469</b>	<b>7,963,561</b>	<b>8,203,951</b>	<b>8,340,516</b>	<b>8,481,243</b>	<b>8,569,774</b>	<b>8,651,750</b>	<b>8,669,238</b>	<b>8,697,083</b>	<b>8,691,889</b>	<b>8,772,204</b>	<b>8,881,691</b>	<b>8,927,635</b>	<b>8,982,839</b>	<b>9,066,660</b>	0.9
<b>New England</b> .....	<b>454,477</b>	<b>463,492</b>	<b>472,228</b>	<b>492,587</b>	<b>499,629</b>	<b>510,551</b>	<b>517,235</b>	<b>523,494</b>	<b>521,469</b>	<b>520,807</b>	<b>519,362</b>	<b>524,249</b>	<b>531,524</b>	<b>532,245</b>	<b>533,241</b>	<b>537,516</b>	0.8
Connecticut.....	129,279	131,512	133,597	137,801	140,406	142,688	144,758	146,423	145,899	145,327	144,542	147,269	148,249	148,840	148,486	149,514	0.7
Maine.....	30,410	31,316	31,228	32,059	32,757	33,121	33,529	34,234	34,394	34,585	34,753	35,481	35,858	36,141	36,483	36,908	1.2
Massachusetts.....	214,186	218,631	223,830	235,826	238,462	245,457	248,107	250,661	248,883	248,235	247,332	247,765	252,257	251,714	252,127	253,786	0.7
New Hampshire.....	36,668	37,407	38,300	40,481	40,773	41,521	42,285	42,913	42,752	42,729	42,722	43,055	43,865	43,847	44,047	44,447	0.9
Rhode Island.....	28,473	28,935	29,334	30,101	30,489	30,977	31,366	31,817	31,919	32,245	32,261	32,779	33,202	33,467	33,659	34,129	1.4
Vermont.....	15,460	15,690	15,939	16,118	16,743	16,978	17,160	17,447	17,622	17,685	17,752	17,900	18,093	18,238	18,439	18,783	1.6
<b>Mideast</b> .....	<b>1,445,966</b>	<b>1,465,040</b>	<b>1,478,613</b>	<b>1,533,630</b>	<b>1,567,335</b>	<b>1,589,291</b>	<b>1,621,161</b>	<b>1,631,068</b>	<b>1,628,112</b>	<b>1,632,447</b>	<b>1,631,164</b>	<b>1,644,672</b>	<b>1,662,445</b>	<b>1,668,240</b>	<b>1,674,725</b>	<b>1,688,282</b>	0.8
Delaware.....	22,436	22,795	23,229	23,706	24,231	24,672	25,209	25,256	25,609	25,850	25,780	25,929	26,090	26,175	26,143	26,418	1.1
District of Columbia.....	20,628	20,828	21,181	22,333	22,689	22,938	23,434	23,144	23,324	23,276	23,305	24,204	24,677	24,768	25,393	25,475	0.3
Maryland.....	166,021	168,178	170,617	176,498	179,203	182,368	185,696	188,357	189,786	190,747	191,170	194,304	196,862	198,005	199,454	202,136	1.3
New Jersey.....	285,982	288,208	295,035	306,809	316,979	321,275	327,824	326,632	327,969	329,812	330,559	337,578	338,845	341,099	342,035	344,653	0.8
New York.....	610,420	621,989	619,371	647,339	661,036	669,618	685,055	691,345	683,685	682,727	681,059	676,590	686,279	685,909	687,503	691,855	0.6
Pennsylvania.....	340,480	343,042	349,180	356,945	363,197	368,419	373,942	376,335	377,739	380,035	379,292	386,067	389,692	392,285	394,198	397,745	0.9
<b>Great Lakes</b> .....	<b>1,244,692</b>	<b>1,253,889</b>	<b>1,276,384</b>	<b>1,312,492</b>	<b>1,325,439</b>	<b>1,339,837</b>	<b>1,347,657</b>	<b>1,358,650</b>	<b>1,360,352</b>	<b>1,367,434</b>	<b>1,364,979</b>	<b>1,373,198</b>	<b>1,396,144</b>	<b>1,402,919</b>	<b>1,409,904</b>	<b>1,422,627</b>	0.9
Illinois.....	371,869	373,875	381,355	392,581	398,686	405,376	410,567	413,332	411,904	414,358	412,582	415,157	420,863	420,922	422,491	426,906	1.0
Indiana.....	153,133	154,431	157,602	162,336	164,309	166,165	165,361	168,181	168,290	169,060	168,955	171,072	173,169	174,777	176,538	178,427	1.1
Michigan.....	274,467	276,777	280,785	291,251	292,004	293,583	294,304	295,843	296,181	297,992	296,806	295,932	304,930	306,682	307,437	309,724	0.7
Ohio.....	302,789	304,584	309,656	316,931	318,569	321,035	322,078	324,581	326,608	328,330	327,985	330,130	334,343	336,601	338,255	340,769	0.7
Wisconsin.....	142,434	144,222	146,965	149,392	151,869	153,677	155,348	156,713	157,369	158,594	158,651	160,906	162,839	163,937	165,182	166,801	1.0
<b>Plains</b> .....	<b>508,065</b>	<b>513,281</b>	<b>525,456</b>	<b>534,339</b>	<b>546,218</b>	<b>553,782</b>	<b>557,165</b>	<b>562,952</b>	<b>565,546</b>	<b>569,173</b>	<b>569,280</b>	<b>576,036</b>	<b>580,552</b>	<b>585,711</b>	<b>589,532</b>	<b>597,455</b>	1.3
Iowa.....	71,919	73,326	74,855	76,108	77,676	78,421	78,715	79,391	79,654	80,152	80,093	81,814	82,375	82,803	83,577	84,623	1.3
Kansas.....	69,151	69,928	72,199	71,753	73,639	75,309	74,825	76,291	76,556	77,327	77,138	77,875	77,967	78,418	79,028	80,467	1.8
Minnesota.....	146,293	147,261	150,723	154,381	158,125	160,570	163,070	164,055	164,632	165,126	165,325	167,189	169,755	171,658	171,969	173,557	0.9
Missouri.....	142,885	143,982	146,660	150,470	153,761	155,682	156,483	157,920	158,745	159,866	159,843	161,919	162,979	164,041	165,471	166,322	0.5
Nebraska.....	44,681	45,499	46,741	46,642	47,414	48,088	48,252	49,123	49,487	49,887	50,084	50,408	50,774	51,397	51,767	53,094	2.6
North Dakota.....	14,797	14,756	15,307	15,726	16,097	16,153	16,111	16,304	16,398	16,533	16,452	16,787	16,808	16,931	17,059	17,875	4.8
South Dakota.....	18,339	18,529	18,971	19,260	19,505	19,569	19,709	19,868	20,086	20,247	20,343	20,403	20,595	20,466	20,660	21,518	4.2
<b>Southeast</b> .....	<b>1,708,435</b>	<b>1,721,818</b>	<b>1,753,053</b>	<b>1,798,309</b>	<b>1,828,832</b>	<b>1,854,115</b>	<b>1,874,225</b>	<b>1,895,842</b>	<b>1,909,663</b>	<b>1,918,954</b>	<b>1,921,712</b>	<b>1,944,902</b>	<b>1,968,792</b>	<b>1,979,094</b>	<b>1,995,385</b>	<b>2,016,722</b>	1.1
Alabama.....	99,931	100,724	102,191	103,738	105,257	105,904	107,041	108,598	109,319	109,808	109,825	111,057	112,093	113,036	114,183	115,455	1.1
Arkansas.....	55,606	56,053	57,013	57,854	58,562	59,672	59,633	60,661	61,067	61,559	61,927	62,408	63,291	63,686	64,464	65,545	1.7
Florida.....	423,538	426,687	431,669	444,157	452,177	459,035	466,884	470,309	475,131	478,106	478,882	485,611	493,048	495,859	501,588	505,154	0.9
Georgia.....	211,752	213,907	218,724	226,268	229,859	233,463	236,058	238,699	239,184	240,715	241,046	243,028	245,628	246,123	248,505	251,170	1.3
Kentucky.....	90,524	91,411	93,383	96,542	97,668	98,868	99,780	100,459	100,953	101,830	101,649	103,365	104,583	105,556	106,548	107,703	1.0
Louisiana.....	98,796	99,022	100,586	101,827	103,306	104,252	105,135	107,373	108,618	110,287	110,991	112,155	113,503	113,982	115,257	116,381	1.1
Mississippi.....	56,351	57,129	57,916	58,563	59,561	60,068	60,195	61,420	61,739	62,092	62,437	63,376	63,990	64,523	65,077	66,274	1.8
North Carolina.....	202,023	200,989	206,935	212,844	216,603	219,838	221,626	223,903	224,212	224,210	224,050	227,740	228,855	229,994	230,836	233,200	1.1
South Carolina.....	90,518	91,509	93,051	95,124	97,267	98,213	99,036	100,603	100,513	101,332	101,158	102,912	104,156	104,718	105,420	106,015	0.6
Tennessee.....	140,299	141,801	144,055	147,282	149,179	151,095	152,187	152,906	153,934	154,928	154,751	156,391	158,810	159,256	160,411	161,695	0.8
Virginia.....	201,865	204,973	209,459	215,466	220,039	224,073	227,532	230,869	233,900	232,735	233,388	234,661	238,366	239,670	240,605	243,637	1.3
West Virginia.....	37,233	37,611	38,070	38,644	39,354	39,634	40,118	40,671	41,063	41,353	41,608	42,198	42,467	42,689	42,944	43,492	1.3
<b>Southwest</b> .....	<b>769,438</b>	<b>777,451</b>	<b>795,211</b>	<b>819,754</b>	<b>833,799</b>	<b>849,525</b>	<b>857,947</b>	<b>871,240</b>	<b>871,512</b>	<b>877,630</b>	<b>878,046</b>	<b>882,369</b>	<b>892,577</b>	<b>896,253</b>	<b>902,617</b>	<b>911,058</b>	0.9
Arizona.....	119,696	121,062	123,358	129,117	129,404	131,811	133,853	135,545	136,991	138,663	138,125	140,528	142,215	143,274	144,881	146,119	0.9
New Mexico.....	37,618	37,832	38,396	38,764	39,593	39,945	40,467	41,451	41,979	42,630	42,982	44,098	44,438	45,193	45,967	47,111	1.1
Oklahoma.....	77,118	77,540	79,144	80,479	82,367	83,896	84,982	85,713	86,339	86,925	87,221	86,961	87,622	88,168	88,522	89,302	0.9
Texas.....	595,007	541,017	554,313	571,394	582,434	593,873	598,645	608,532	606,204	609,412	609,717	611,202	618,643	620,373	624,021	629,962	1.0
<b>Rocky Mountain</b> .....	<b>236,297</b>	<b>238,957</b>	<b>246,228</b>	<b>252,336</b>	<b>259,527</b>	<b>265,102</b>	<b>268,181</b>	<b>270,900</b>	<b>271,833</b>	<b>272,434</b>	<b>271,806</b>	<b>273,963</b>					

Table J.2. Annual Personal Income and Per Capita Personal Income for States and Regions

Area name	Personal income							Per capita personal income <sup>1</sup>						Rank in U.S.
	Millions of dollars						Percent change <sup>2</sup>	Dollars						
	1997	1998	1999	2000	2001	2002		1997	1998	1999	2000	2001	2002	
<b>United States</b> .....	<b>6,928,545</b>	<b>7,418,497</b>	<b>7,779,521</b>	<b>8,398,871</b>	<b>8,677,490</b>	<b>8,891,093</b>	<b>2.5</b>	<b>25,412</b>	<b>26,893</b>	<b>27,880</b>	<b>29,760</b>	<b>30,413</b>	<b>30,832</b>	.....
<b>New England</b> .....	<b>408,231</b>	<b>437,134</b>	<b>459,782</b>	<b>505,001</b>	<b>521,283</b>	<b>530,315</b>	<b>1.7</b>	<b>29,924</b>	<b>31,829</b>	<b>33,227</b>	<b>36,195</b>	<b>37,996</b>	<b>37,494</b>	.....
Connecticut .....	116,421	124,880	130,579	141,413	145,548	148,211	1.8	34,759	37,108	38,560	41,446	42,377	42,829	1
Maine .....	27,773	29,469	30,680	32,867	34,491	35,991	4.3	22,134	23,404	24,218	25,732	26,853	27,804	33
Massachusetts .....	191,596	205,176	217,066	241,963	248,778	250,966	0.9	30,773	32,714	34,360	38,034	38,864	39,044	3
New Hampshire .....	32,397	35,198	37,121	41,265	42,779	43,703	2.2	27,238	29,187	30,377	33,266	33,969	34,276	6
Rhode Island .....	26,293	27,673	28,762	30,741	32,061	33,276	3.8	25,643	26,837	27,645	29,257	30,256	31,107	16
Vermont .....	13,752	14,738	15,575	16,752	17,627	18,167	3.1	23,026	24,547	25,757	27,465	28,756	29,464	24
<b>Midwest</b> .....	<b>1,315,810</b>	<b>1,400,562</b>	<b>1,458,307</b>	<b>1,577,854</b>	<b>1,630,698</b>	<b>1,662,520</b>	<b>2.0</b>	<b>28,868</b>	<b>30,565</b>	<b>31,630</b>	<b>34,013</b>	<b>34,952</b>	<b>35,434</b>	.....
Delaware .....	20,145	21,879	22,716	24,455	25,624	26,084	1.8	26,807	28,662	29,312	31,092	32,166	32,307	13
District of Columbia .....	19,135	20,255	20,785	22,849	23,262	24,760	6.4	33,704	35,836	36,452	39,970	40,539	43,371	.....
Maryland .....	148,826	158,501	167,360	180,941	190,015	197,156	3.8	28,857	30,455	31,851	34,060	35,279	36,121	4
New Jersey .....	260,705	278,788	288,796	318,222	328,743	339,889	3.4	31,720	33,640	34,547	37,734	38,625	39,567	2
New York .....	553,543	590,406	616,292	665,762	684,704	684,070	-0.1	29,670	31,478	32,638	35,041	35,878	35,708	5
Pennsylvania .....	313,457	330,733	342,357	365,626	378,350	390,560	3.2	25,635	27,916	29,916	29,759	30,752	31,663	15
<b>Great Lakes</b> .....	<b>1,138,557</b>	<b>1,206,886</b>	<b>1,252,336</b>	<b>1,331,356</b>	<b>1,362,854</b>	<b>1,395,541</b>	<b>2.4</b>	<b>25,589</b>	<b>26,983</b>	<b>27,849</b>	<b>29,437</b>	<b>29,986</b>	<b>30,555</b>	.....
Illinois .....	340,594	362,081	373,813	401,803	413,044	419,858	1.6	27,950	29,505	30,246	32,297	32,990	33,320	8
Indiana .....	139,459	149,318	154,405	164,543	168,622	173,989	3.1	23,418	24,891	25,543	27,010	27,522	28,233	31
Michigan .....	250,216	264,520	276,187	292,786	296,480	303,745	2.5	25,509	26,860	27,906	29,408	29,629	30,222	18
Ohio .....	279,367	293,208	304,342	319,653	326,876	334,832	2.4	24,772	25,921	26,849	28,130	28,699	29,317	25
Wisconsin .....	128,920	137,759	143,589	152,572	157,832	163,216	3.4	24,481	26,004	26,926	28,389	29,196	29,996	21
<b>Plains</b> .....	<b>462,173</b>	<b>493,714</b>	<b>512,453</b>	<b>547,878</b>	<b>566,738</b>	<b>582,958</b>	<b>2.9</b>	<b>24,517</b>	<b>26,001</b>	<b>26,787</b>	<b>28,430</b>	<b>29,257</b>	<b>29,942</b>	.....
Iowa .....	67,938	71,280	72,908	77,730	79,822	82,642	3.5	23,499	24,555	24,989	26,540	27,225	28,141	32
Kansas .....	63,728	67,896	69,997	73,882	76,828	78,322	1.9	24,182	25,519	26,134	27,439	28,432	28,838	27
Minnesota .....	129,020	140,031	147,151	159,037	164,784	170,142	3.3	27,086	29,092	30,194	32,231	33,059	33,895	7
Missouri .....	131,144	138,987	143,814	154,099	159,093	163,603	2.8	23,926	25,171	25,857	27,493	28,221	28,841	26
Nebraska .....	40,724	43,313	45,293	47,599	49,642	51,086	2.9	24,148	25,549	26,569	27,781	28,861	29,544	23
North Dakota .....	13,332	14,709	14,848	16,022	16,422	16,846	2.6	20,520	22,716	23,046	24,990	25,798	26,567	37
South Dakota .....	16,288	17,497	18,442	19,511	20,146	20,316	0.8	21,885	23,453	24,576	25,815	26,566	26,694	36
<b>Southeast</b> .....	<b>1,532,165</b>	<b>1,639,428</b>	<b>1,718,850</b>	<b>1,838,870</b>	<b>1,911,543</b>	<b>1,972,043</b>	<b>3.2</b>	<b>22,986</b>	<b>24,242</b>	<b>25,067</b>	<b>26,456</b>	<b>27,169</b>	<b>27,683</b>	.....
Alabama .....	91,284	96,481	100,422	105,485	109,388	112,592	2.9	20,899	21,904	22,668	23,694	24,477	25,096	43
Arkansas .....	51,055	53,784	55,919	58,930	61,304	63,463	3.5	19,628	20,479	21,087	22,000	22,750	23,417	49
Florida .....	377,673	405,146	425,157	455,313	475,607	494,027	3.9	24,869	26,161	26,978	28,366	29,048	29,559	22
Georgia .....	183,757	200,104	213,508	231,412	239,754	245,707	2.5	23,911	25,447	26,536	28,103	28,523	28,703	28
Kentucky .....	82,927	88,148	91,218	98,215	101,223	105,013	3.7	20,979	22,118	22,702	24,258	24,878	25,657	39
Louisiana .....	92,286	97,458	99,052	103,630	109,317	113,725	4.0	20,874	21,948	22,205	23,185	24,454	25,370	41
Mississippi .....	51,598	55,072	56,799	59,597	61,922	64,242	3.7	18,580	19,635	20,082	20,920	21,653	22,370	50
North Carolina .....	179,691	192,577	202,455	217,727	224,094	229,356	2.3	23,468	24,661	25,468	26,939	27,308	27,566	34
South Carolina .....	81,045	86,672	91,075	97,410	100,902	104,302	3.4	20,998	22,115	22,914	24,209	24,840	25,395	40
Tennessee .....	125,457	134,241	141,046	149,936	154,130	158,717	3.0	22,814	24,101	25,014	26,290	26,808	27,378	35
Virginia .....	180,190	193,007	204,727	221,778	232,730	238,325	2.4	26,385	27,968	29,246	31,210	32,338	32,676	11
West Virginia .....	35,202	36,738	37,472	39,438	41,174	42,575	3.4	19,351	20,234	20,682	21,821	22,862	23,628	48
<b>Southwest</b> .....	<b>677,462</b>	<b>736,392</b>	<b>775,029</b>	<b>840,256</b>	<b>874,607</b>	<b>893,454</b>	<b>2.2</b>	<b>22,868</b>	<b>24,352</b>	<b>25,141</b>	<b>26,761</b>	<b>27,350</b>	<b>27,419</b>	.....
Arizona .....	103,702	112,895	120,264	131,046	137,331	142,725	3.9	21,892	23,118	23,939	25,361	25,878	26,157	38
New Mexico .....	34,860	36,857	37,725	39,692	42,260	44,352	4.9	19,641	20,551	20,865	21,788	23,081	23,908	47
Oklahoma .....	69,951	74,677	77,512	82,931	86,550	87,818	1.5	20,739	21,930	22,551	24,007	24,945	25,136	42
Texas .....	468,950	511,964	539,527	586,587	608,466	618,560	1.7	23,756	25,398	26,244	27,992	28,472	28,401	30
<b>Rocky Mountain</b> .....	<b>206,847</b>	<b>223,322</b>	<b>238,547</b>	<b>261,286</b>	<b>271,743</b>	<b>276,877</b>	<b>1.9</b>	<b>23,651</b>	<b>25,041</b>	<b>26,230</b>	<b>28,194</b>	<b>28,819</b>	<b>28,926</b>	.....
Colorado .....	108,765	118,413	128,386	143,043	148,239	149,481	0.8	27,067	28,764	30,380	33,060	33,455	33,170	9
Idaho .....	25,226	27,066	28,901	31,177	32,363	33,585	3.8	20,534	21,612	22,656	23,987	24,506	25,042	44
Montana .....	17,726	18,942	19,405	20,744	21,769	22,650	4.0	19,920	21,225	21,621	22,961	24,044	24,906	45
Utah .....	43,696	46,772	48,923	52,518	54,764	55,953	2.2	20,613	21,594	22,203	23,410	24,033	24,157	46
Wyoming .....	11,433	12,129	12,931	13,805	14,609	15,208	4.1	23,360	24,714	26,294	27,941	29,587	30,494	17
<b>Far West</b> .....	<b>1,187,299</b>	<b>1,281,057</b>	<b>1,364,218</b>	<b>1,496,369</b>	<b>1,538,024</b>	<b>1,577,384</b>	<b>2.6</b>	<b>26,353</b>	<b>27,972</b>	<b>29,335</b>	<b>31,694</b>	<b>32,025</b>	<b>32,344</b>	.....
Alaska .....	16,488	17,138	17,600	18,806	19,660	20,467	4.1	26,898	27,645	28,170	29,960	31,027	31,792	14
California .....	861,557	931,564	995,326	1,100,679	1,129,868	1,155,247	2.2	26,521	28,240	29,712	32,363	32,655	32,898	10
Hawaii .....	31,218	31,841	32,626	34,384	35,625	37,397	5.0	25,765	26,201	26,957	28,354	29,034	30,040	20
Nevada .....	47,258	52,017	55,439	60,149	63,200	65,571	3.8	26,789	28,069	28,655	29,794	30,128	30,169	19
Oregon .....	80,575	85,305	89,080	95,508	98,026	100,481	2.5	24,385	25,446	26,247	27,836	28,222	28,533	29
Washington .....	150,203	163,192	174,148	186,843	191,645	198,221	3.4	26,469	28,285	29,607	31,605	31,976	32,661	12

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 in "Personal Income by State: First Quarter 2003 and Revised 2002" in the August 2003 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							Per capita disposable personal income <sup>1</sup>							Rank in U.S.
	Millions of dollars							Percent change <sup>2</sup>	Dollars						
	1997	1998	1999	2000	2001	2002	1997		1998	1999	2000	2001	2002		
<b>United States</b> .....	<b>5,960,749</b>	<b>6,349,151</b>	<b>6,621,490</b>	<b>7,113,634</b>	<b>7,386,598</b>	<b>7,778,520</b>	<b>5.3</b>	<b>21,863</b>	<b>23,016</b>	<b>23,730</b>	<b>25,206</b>	<b>25,889</b>	<b>26,974</b>	.....	
<b>New England</b> .....	<b>342,605</b>	<b>364,015</b>	<b>379,850</b>	<b>410,995</b>	<b>429,722</b>	<b>453,483</b>	<b>5.5</b>	<b>25,114</b>	<b>26,505</b>	<b>27,450</b>	<b>29,458</b>	<b>30,580</b>	<b>32,062</b>	.....	
Connecticut .....	95,724	101,699	105,647	113,079	117,445	124,516	6.0	28,580	30,219	31,198	33,142	34,195	35,982	1	
Maine .....	24,200	25,480	26,439	28,184	29,700	31,718	6.8	19,286	20,236	20,871	22,065	23,122	24,503	34	
Massachusetts .....	159,674	169,596	177,512	193,936	202,977	213,268	5.1	25,646	27,041	28,099	30,485	31,709	33,179	3	
New Hampshire .....	28,200	30,578	31,985	35,151	36,797	38,615	4.9	23,709	25,356	26,174	28,337	29,218	30,285	6	
Rhode Island .....	22,851	23,898	24,800	26,249	27,568	29,293	6.3	22,286	23,176	23,836	24,983	26,016	27,384	16	
Vermont .....	11,955	12,764	13,467	14,397	15,235	16,072	5.5	20,018	21,258	22,272	23,603	24,853	26,066	24	
<b>Mideast</b> .....	<b>1,114,511</b>	<b>1,178,249</b>	<b>1,218,066</b>	<b>1,313,155</b>	<b>1,363,967</b>	<b>1,432,002</b>	<b>5.0</b>	<b>24,452</b>	<b>25,714</b>	<b>26,419</b>	<b>28,307</b>	<b>29,235</b>	<b>30,521</b>	.....	
Delaware .....	16,987	18,470	19,169	20,624	21,737	22,624	4.1	22,605	24,196	24,734	26,222	27,288	28,021	14	
District of Columbia .....	16,120	16,921	17,080	18,715	19,085	21,059	10.3	28,393	29,937	29,953	32,739	33,260	36,888	.....	
Maryland .....	125,597	133,060	140,240	150,839	159,164	169,147	6.3	24,353	25,566	26,690	28,393	29,551	30,990	4	
New Jersey .....	220,964	234,080	240,074	263,055	274,376	293,008	6.8	26,885	28,245	28,718	31,192	32,237	34,109	2	
New York .....	464,468	491,784	508,124	547,203	565,168	583,205	3.2	24,896	26,220	26,909	28,801	29,614	30,443	5	
Pennsylvania .....	270,375	283,933	293,380	312,719	324,435	342,959	5.7	22,111	23,186	23,922	25,453	26,370	27,904	15	
<b>Great Lakes</b> .....	<b>975,464</b>	<b>1,029,255</b>	<b>1,066,709</b>	<b>1,135,687</b>	<b>1,165,051</b>	<b>1,222,381</b>	<b>4.9</b>	<b>21,924</b>	<b>23,011</b>	<b>23,721</b>	<b>25,111</b>	<b>25,634</b>	<b>26,764</b>	.....	
Illinois .....	291,507	307,987	316,698	340,103	350,333	366,070	4.5	23,922	25,097	25,625	27,338	27,981	29,052	8	
Indiana .....	119,826	128,475	132,864	142,187	146,053	153,875	5.4	20,121	21,417	21,979	23,340	23,939	24,983	31	
Michigan .....	214,500	225,186	235,134	250,086	253,620	266,749	5.2	21,868	22,866	23,758	25,119	25,346	26,541	20	
Ohio .....	239,900	250,838	260,394	273,184	279,754	292,366	4.5	21,753	22,175	22,972	24,040	24,562	25,600	25	
Wisconsin .....	109,732	116,768	121,619	130,127	135,291	143,300	5.9	20,837	22,041	22,806	24,213	25,026	26,336	21	
<b>Plains</b> .....	<b>399,625</b>	<b>425,703</b>	<b>442,180</b>	<b>471,590</b>	<b>488,749</b>	<b>513,542</b>	<b>5.1</b>	<b>21,199</b>	<b>22,420</b>	<b>23,113</b>	<b>24,472</b>	<b>25,231</b>	<b>26,377</b>	.....	
Iowa .....	59,294	62,181	63,446	67,875	69,689	73,662	5.7	20,509	21,421	21,746	23,175	23,769	25,083	30	
Kansas .....	55,113	58,652	60,312	63,535	66,162	68,965	4.2	20,913	22,045	22,518	23,596	24,485	25,393	28	
Minnesota .....	109,183	118,006	124,969	133,951	139,411	147,061	5.5	22,921	24,516	25,643	27,147	27,969	29,297	7	
Missouri .....	114,001	120,352	124,434	133,323	137,821	144,944	5.2	20,799	21,796	22,372	23,786	24,448	25,552	26	
Nebraska .....	35,531	37,620	39,267	41,133	43,021	45,195	5.1	21,069	22,184	23,033	24,007	25,012	26,137	23	
North Dakota .....	11,853	13,143	13,247	14,297	14,623	15,249	4.3	18,244	20,297	20,561	22,299	22,973	24,048	37	
South Dakota .....	14,650	15,748	16,506	17,476	18,021	18,466	2.5	19,684	21,109	21,996	23,124	23,764	24,263	35	
<b>Southeast</b> .....	<b>1,336,061</b>	<b>1,423,978</b>	<b>1,489,666</b>	<b>1,591,256</b>	<b>1,657,731</b>	<b>1,749,719</b>	<b>5.5</b>	<b>20,044</b>	<b>21,056</b>	<b>21,725</b>	<b>22,894</b>	<b>23,562</b>	<b>24,562</b>	.....	
Alabama .....	80,342	84,855	88,267	92,749	96,291	100,962	4.9	18,394	19,265	19,924	20,833	21,547	22,504	42	
Arkansas .....	45,063	47,302	49,179	51,684	53,882	56,831	5.5	17,325	18,011	18,545	19,295	19,996	20,970	49	
Florida .....	329,682	351,912	368,621	392,530	411,117	438,003	6.5	21,709	22,724	23,390	24,455	25,109	26,207	22	
Georgia .....	158,350	171,711	182,801	197,747	205,629	215,896	5.0	20,605	21,836	22,720	24,015	24,463	25,221	29	
Kentucky .....	71,915	76,215	78,682	84,974	87,582	92,703	5.8	18,194	19,124	19,582	20,987	21,525	22,650	41	
Louisiana .....	81,431	86,139	87,749	91,613	96,752	102,500	5.9	18,419	19,399	19,671	20,496	21,643	22,866	39	
Mississippi .....	46,245	49,256	50,744	53,307	55,538	58,607	5.5	16,653	17,561	17,941	18,712	19,421	20,408	50	
North Carolina .....	155,311	165,760	173,925	186,877	193,094	201,761	4.5	20,284	21,226	21,879	23,122	23,531	24,250	36	
South Carolina .....	70,890	75,481	79,283	85,400	88,247	93,249	5.7	18,364	19,259	19,947	21,135	21,724	22,704	40	
Tennessee .....	111,632	119,346	125,546	133,732	137,460	144,299	5.0	20,300	21,426	22,265	23,448	23,909	24,891	32	
Virginia .....	154,028	163,510	171,743	186,170	195,722	206,667	5.6	22,554	23,694	24,534	26,199	27,196	28,336	12	
West Virginia .....	31,182	32,491	33,128	34,834	36,416	38,241	5.0	17,141	17,895	18,285	19,274	20,220	21,223	48	
<b>Southwest</b> .....	<b>596,546</b>	<b>645,743</b>	<b>679,260</b>	<b>732,944</b>	<b>765,749</b>	<b>800,718</b>	<b>4.6</b>	<b>20,137</b>	<b>21,354</b>	<b>22,034</b>	<b>23,343</b>	<b>23,946</b>	<b>24,573</b>	.....	
Arizona .....	90,217	97,615	103,783	113,010	119,024	126,808	6.5	19,045	19,989	20,658	21,871	22,428	23,240	38	
New Mexico .....	30,758	32,496	33,169	34,702	37,079	39,751	7.2	17,330	18,119	18,345	19,048	20,252	21,429	46	
Oklahoma .....	61,222	65,310	67,783	72,358	75,646	78,176	3.3	18,151	19,179	19,721	20,947	21,803	22,376	43	
Texas .....	414,349	450,321	474,525	512,874	533,999	555,983	4.1	20,990	22,340	23,082	24,475	24,987	25,527	27	
<b>Rocky Mountain</b> .....	<b>178,194</b>	<b>191,724</b>	<b>203,763</b>	<b>221,953</b>	<b>232,166</b>	<b>242,485</b>	<b>4.4</b>	<b>20,375</b>	<b>21,498</b>	<b>22,405</b>	<b>23,950</b>	<b>24,621</b>	<b>25,333</b>	.....	
Colorado .....	92,927	100,489	108,384	120,009	125,325	129,666	3.5	23,126	24,410	25,647	27,736	28,284	28,773	9	
Idaho .....	22,044	23,639	25,119	26,884	28,078	29,941	6.6	17,944	18,876	19,691	20,684	21,262	22,325	44	
Montana .....	15,621	16,670	17,023	18,150	19,096	20,236	6.0	17,554	18,679	18,967	20,090	21,092	22,251	45	
Utah .....	37,715	40,460	42,113	45,154	47,182	49,310	4.5	17,792	18,680	19,112	20,127	20,706	21,289	47	
Wyoming .....	9,886	10,466	11,123	11,757	12,484	13,332	6.8	20,199	21,324	22,619	23,796	25,283	26,734	17	
<b>Far West</b> .....	<b>1,017,744</b>	<b>1,090,483</b>	<b>1,141,995</b>	<b>1,236,055</b>	<b>1,283,464</b>	<b>1,364,190</b>	<b>6.3</b>	<b>22,590</b>	<b>23,811</b>	<b>24,556</b>	<b>26,181</b>	<b>26,725</b>	<b>27,973</b>	.....	
Alaska .....	14,497	15,003	15,430	16,444	17,189	18,271	6.3	23,650	24,201	24,697	26,197	27,128	28,381	11	
California .....	735,173	789,557	827,718	898,615	934,447	993,302	6.3	22,630	23,935	24,709	26,422	27,007	28,286	13	
Hawaii .....	27,371	27,846	28,431	29,862	31,046	33,258	7.1	22,590	22,914	23,491	24,625	25,302	26,716	18	
Nevada .....	41,126	44,903	47,692	51,533	54,304	57,893	6.6	23,313	24,230	24,651	25,526	25,887	26,636	19	
Oregon .....	68,539	72,680	75,394	80,343	83,130	87,270	5.0	20,742	21,674	22,214	23,416	23,933	24,782	33	
Washington .....	131,039	140,515	147,329	159,258	163,348	174,196	6.6	23,092	24,354	25,217	26,939	27,255	28,703	10	

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 2 in "Personal Income by State: First Quarter 2003 and Revised 2002" in the August 2003 issue of the SURVEY OF CURRENT BUSINESS.

Table J.4. Gross State Product (GSP) by Industry for States and Regions, 2001

[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
<b>United States</b> .....		<b>10,137,190</b>	<b>140,650</b>	<b>139,040</b>	<b>480,013</b>	<b>1,422,990</b>	<b>819,464</b>	<b>680,683</b>	<b>931,756</b>	<b>2,076,987</b>	<b>2,226,585</b>	<b>1,219,022</b>
<b>New England</b> .....		<b>594,686</b>	<b>4,563</b>	<b>320</b>	<b>26,205</b>	<b>78,655</b>	<b>34,833</b>	<b>37,940</b>	<b>50,290</b>	<b>158,783</b>	<b>146,039</b>	<b>57,057</b>
Connecticut .....	22	166,165	1,152	129	5,898	24,277	9,754	10,004	12,887	51,458	35,654	14,951
Maine .....	42	37,449	725	5	1,723	5,239	2,518	2,198	4,481	7,194	7,970	5,396
Massachusetts .....	11	287,802	1,683	99	13,512	34,427	16,093	19,443	22,767	73,880	79,902	25,995
New Hampshire .....	38	47,183	365	37	2,282	7,610	2,818	3,359	4,923	11,792	10,179	3,818
Rhode Island .....	43	36,939	234	14	1,922	4,105	2,285	1,830	3,312	10,934	7,951	4,352
Vermont .....	49	19,149	403	36	868	2,998	1,365	1,107	1,920	3,526	4,382	2,544
<b>Mideast</b> .....		<b>1,900,223</b>	<b>12,092</b>	<b>3,922</b>	<b>75,070</b>	<b>208,027</b>	<b>146,418</b>	<b>120,175</b>	<b>143,945</b>	<b>522,373</b>	<b>448,316</b>	<b>218,886</b>
Delaware .....	41	40,509	387	2	1,598	5,235	1,902	1,576	2,674	17,476	6,229	3,429
District of Columbia .....		64,459	25	22	578	762	3,095	705	1,759	10,569	24,269	22,675
Maryland .....	15	195,007	1,798	157	11,319	13,963	14,192	11,766	16,972	42,025	48,534	34,280
New Jersey .....	8	365,388	2,060	299	15,748	42,068	32,957	33,782	28,999	90,097	83,497	35,878
New York .....	2	826,488	3,729	657	27,372	77,701	59,282	46,992	56,468	282,888	190,202	81,197
Pennsylvania .....	6	408,373	4,093	2,785	18,453	68,297	34,989	25,354	37,072	79,318	96,584	41,427
<b>Great Lakes</b> .....		<b>1,536,991</b>	<b>16,840</b>	<b>4,494</b>	<b>74,687</b>	<b>315,515</b>	<b>114,262</b>	<b>109,332</b>	<b>141,787</b>	<b>278,109</b>	<b>315,053</b>	<b>166,913</b>
Illinois .....	5	475,541	4,303	1,050	23,556	68,339	40,445	37,136	39,031	105,089	108,099	48,493
Indiana .....	16	189,919	2,458	668	9,971	51,647	14,376	11,636	17,544	27,224	34,306	20,089
Michigan .....	9	320,470	2,993	915	16,012	73,937	20,774	22,659	31,350	50,256	66,417	35,157
Ohio .....	7	373,708	3,506	1,573	16,537	79,603	26,198	26,507	37,261	66,439	73,297	42,786
Wisconsin .....	20	177,354	3,579	288	8,611	41,988	12,468	11,394	16,601	29,102	32,935	20,387
<b>Plains</b> .....		<b>647,904</b>	<b>16,965</b>	<b>3,598</b>	<b>32,174</b>	<b>104,786</b>	<b>60,046</b>	<b>49,068</b>	<b>61,956</b>	<b>109,387</b>	<b>130,377</b>	<b>79,567</b>
Iowa .....	30	90,942	3,454	203	3,951	19,112	7,631	6,256	8,218	16,210	11,313	11,313
Kansas .....	31	87,196	2,392	1,266	4,051	14,053	11,145	6,535	8,545	11,669	15,533	12,007
Minnesota .....	17	188,050	3,166	753	9,982	29,801	13,468	15,353	18,358	36,348	40,589	20,234
Missouri .....	19	181,493	2,506	459	9,619	30,442	17,777	13,287	17,536	29,653	38,646	21,568
Nebraska .....	36	56,967	2,772	129	2,712	6,994	6,340	4,340	4,962	8,981	11,536	8,201
North Dakota .....	50	19,005	1,004	658	896	1,641	1,932	1,607	1,870	2,771	3,662	2,965
South Dakota .....	46	24,251	1,671	129	963	2,744	1,755	1,690	2,467	5,353	4,201	3,280
<b>Southeast</b> .....		<b>2,205,625</b>	<b>33,751</b>	<b>40,281</b>	<b>111,379</b>	<b>320,110</b>	<b>191,168</b>	<b>149,546</b>	<b>221,091</b>	<b>379,132</b>	<b>457,688</b>	<b>301,478</b>
Alabama .....	25	121,490	2,427	1,483	5,929	21,626	10,338	7,883	12,507	18,015	21,991	19,292
Arkansas .....	34	67,913	2,263	496	3,368	13,136	7,216	4,581	8,109	8,354	11,514	8,876
Florida .....	4	491,488	7,753	730	26,974	29,038	39,353	37,353	56,063	108,534	125,903	59,787
Georgia .....	10	299,874	4,188	1,126	15,307	43,489	33,414	26,675	28,405	48,978	61,114	37,179
Kentucky .....	26	120,266	2,498	2,235	5,635	30,297	9,905	7,461	11,369	14,152	20,081	16,633
Louisiana .....	24	148,697	1,308	28,114	6,482	17,416	12,909	7,877	12,547	19,613	25,014	17,418
Mississippi .....	35	67,125	1,879	740	3,098	12,041	6,360	3,875	7,327	8,244	12,046	11,514
North Carolina .....	12	275,615	5,218	511	14,101	58,923	18,829	16,766	25,113	52,309	47,977	35,868
South Carolina .....	28	115,204	1,506	162	6,825	23,124	10,256	7,035	12,236	16,571	19,583	17,906
Tennessee .....	18	182,515	1,926	516	8,173	34,166	15,420	13,177	20,314	27,533	39,657	21,634
Virginia .....	13	273,070	2,444	1,154	13,338	31,607	22,577	14,576	22,758	51,815	64,526	48,275
West Virginia .....	40	42,368	343	3,013	2,149	5,249	4,589	2,289	4,343	5,016	8,281	7,096
<b>Southwest</b> .....		<b>1,073,842</b>	<b>15,417</b>	<b>59,682</b>	<b>53,897</b>	<b>136,041</b>	<b>107,138</b>	<b>75,997</b>	<b>106,552</b>	<b>168,990</b>	<b>218,620</b>	<b>131,507</b>
Arizona .....	23	160,687	2,605	1,183	9,701	21,707	11,172	10,570	17,582	31,387	34,490	20,291
New Mexico .....	37	55,426	1,270	5,224	2,418	7,545	4,137	2,225	5,023	7,434	10,145	10,006
Oklahoma .....	29	93,855	1,967	5,386	3,933	13,034	8,820	5,596	9,831	11,934	17,576	15,779
Texas .....	3	763,874	9,575	47,890	37,846	93,754	83,010	57,606	74,117	118,235	156,410	85,431
<b>Rocky Mountain</b> .....		<b>324,139</b>	<b>7,126</b>	<b>10,174</b>	<b>21,175</b>	<b>32,718</b>	<b>32,922</b>	<b>19,500</b>	<b>31,582</b>	<b>56,021</b>	<b>70,205</b>	<b>42,716</b>
Colorado .....	21	173,772	2,738	3,068	11,827	14,991	19,317	10,714	16,909	31,816	41,860	20,532
Idaho .....	44	36,905	2,143	156	2,585	6,570	2,919	2,312	3,877	4,515	6,635	5,195
Montana .....	47	22,635	860	838	1,313	1,535	2,503	1,405	2,303	3,200	4,804	3,874
Utah .....	33	70,409	874	1,323	4,357	8,079	5,595	4,243	6,989	14,135	14,498	10,315
Wyoming .....	48	20,418	511	4,789	1,094	1,542	2,588	826	1,503	2,355	2,410	2,800
<b>Far West</b> .....		<b>1,853,781</b>	<b>33,896</b>	<b>16,568</b>	<b>85,426</b>	<b>227,140</b>	<b>132,676</b>	<b>119,123</b>	<b>174,553</b>	<b>404,211</b>	<b>439,287</b>	<b>220,899</b>
Alaska .....	45	28,581	497	5,590	1,384	1,056	4,560	842	1,920	3,197	3,962	5,572
California .....	1	1,359,265	24,435	8,623	57,712	163,841	92,421	89,384	127,073	317,481	326,119	152,176
Hawaii .....	39	43,710	504	33	1,891	1,173	4,085	1,632	4,915	10,057	10,019	9,400
Nevada .....	32	79,220	629	1,761	7,523	3,070	5,750	3,635	8,502	14,860	25,210	8,282
Oregon .....	27	120,055	3,075	156	5,893	30,613	7,750	8,428	10,059	17,583	21,848	14,652
Washington .....	14	222,950	4,757	405	11,024	27,387	18,111	15,202	22,086	41,034	52,128	30,817

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 equip-

ment, except office equipment. Also, GSP and GDP have different revision schedules. Source: This table reflects the GSP estimates for 2001 that were released on May 22, 2003. 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, 1999-2001

Area name	Personal income				Per capita personal income <sup>1</sup>				Rank in U.S.	Area name	Personal income				Per capita personal income <sup>1</sup>				Rank in U.S.
	Millions of dollars			Percent change <sup>2</sup>	Dollars			Rank in U.S.			Millions of dollars			Percent change <sup>2</sup>	Dollars			Rank in U.S.	
	1999	2000	2001		1999	2000	2001				1999	2000	2001		1999	2000	2001		
<b>United States<sup>3</sup></b>	7,779,521	8,398,871	8,677,490	3.3	27,880	29,760	30,413	.....	Corvallis, OR	2,191	2,317	2,403	3.7	27,995	29,650	30,709	78		
<b>Metropolitan portion</b>	6,633,219	7,185,218	7,428,050	3.4	29,616	31,680	32,336	.....	Cumberland, MD-WV	2,014	2,114	2,201	4.1	19,656	20,756	21,694	302		
<b>Nonmetropolitan portion</b>	1,146,302	1,213,653	1,249,440	2.9	20,818	21,901	22,472	.....	Dallas, TX <sup>4</sup>	113,010	125,424	126,926	1.2	32,774	35,383	34,697	33		
<b>Consolidated Metropolitan Statistical Areas</b>																			
Chicago-Gary-Kenosha, IL-IN-WI	298,061	321,557	331,277	3.0	32,771	35,028	35,751	.....	Darville, VA	2,194	2,319	2,335	0.7	19,894	21,074	21,280	304		
Cincinnati-Hamilton, OH-KY-IN	57,342	60,627	62,758	3.5	29,124	30,559	31,419	.....	Davenport-Moline-Rock Island, IA-IL	9,264	9,791	9,988	2.0	25,753	27,283	27,879	138		
Cleveland-Akron, OH	86,292	90,686	92,446	1.9	29,293	30,773	31,368	.....	Dayton-Springfield, OH	26,119	27,251	27,811	2.1	27,402	28,677	29,340	103		
Dallas-Fort Worth, TX	159,254	175,700	180,072	2.5	31,106	33,412	33,247	.....	Daytona Beach, FL	10,763	11,533	12,040	4.4	22,114	23,273	23,827	264		
Denver-Boulder-Greeley, CO	85,768	96,583	100,284	3.8	33,878	37,158	37,607	.....	Decatur, AL	3,403	3,540	3,695	4.4	23,432	24,236	25,233	215		
Detroit-Ann Arbor-Flint, MI	169,736	180,724	182,894	1.2	31,182	33,067	33,314	.....	Decatur, IL	3,058	3,194	3,222	0.9	26,563	27,901	28,417	123		
Houston-Galveston-Brazoria, TX	143,594	157,975	167,954	6.3	31,218	33,632	34,916	.....	Denver, CO <sup>5</sup>	71,496	80,516	83,704	4.0	34,515	37,924	38,513	17		
Los Angeles-Riverside-Orange County, CA	450,650	484,858	508,187	4.8	27,842	29,488	30,360	.....	Des Moines, IA	13,766	14,545	15,318	5.3	30,550	31,777	32,991	47		
Miami-Fort Lauderdale, FL	100,297	107,399	112,446	4.7	26,289	27,576	28,325	.....	Detroit, MI <sup>6</sup>	140,791	149,689	151,753	1.4	31,718	33,665	34,035	37		
Milwaukee-Racine, WI	51,745	54,859	56,513	3.0	30,716	32,436	33,308	.....	Dothan, AL	3,072	3,228	3,330	3.1	22,360	23,396	24,030	254		
New York-No. New Jersey-Long Island, NY-NJ-CT-PA	774,091	846,883	872,675	3.0	36,943	40,046	40,949	.....	Dover, DE	2,877	3,047	3,084	1.2	22,906	23,974	23,940	260		
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	194,331	209,100	216,243	3.4	31,526	33,750	34,750	.....	Dubuque, IA	2,176	2,305	2,394	3.9	24,465	25,825	26,889	163		
Portland-Salem, OR-WA	64,163	69,645	71,520	2.7	28,638	30,619	30,822	.....	Duluth-Superior, MN-WI	5,984	6,389	6,571	2.8	24,615	26,202	26,873	166		
Sacramento-Yolo, CA	49,998	54,257	57,143	5.3	28,235	29,996	30,571	.....	Dutchess County, NY <sup>7</sup>	8,029	8,702	9,196	5.7	29,925	30,987	32,349	53		
San Francisco-Oakland-San Jose, CA	283,381	333,236	326,824	-1.9	40,605	47,180	45,778	.....	Eau Claire, WI	3,600	3,837	3,872	0.9	24,428	25,817	25,899	188		
Seattle-Tacoma-Bremerton, WA	121,336	129,721	132,586	2.2	34,428	36,386	36,669	.....	El Paso, TX	11,874	12,546	13,230	5.4	17,718	18,398	19,186	311		
Washington-Baltimore, DC-MD-VA-WV	264,600	287,952	302,650	5.1	35,119	37,884	38,915	.....	Elkhart-Goshen, IN	4,614	4,852	4,833	-0.4	25,544	26,436	26,650	182		
									Elmira, NY	2,150	2,298	2,325	1.2	23,549	25,426	25,638	202		
									Enid, OK	1,321	1,378	1,421	3.1	22,704	23,896	24,780	230		
<b>Metropolitan Statistical Areas<sup>4</sup></b>																			
Abilene, TX	3,001	3,184	3,051	-4.2	23,757	25,179	24,304	246	Erie, PA	6,618	6,975	7,156	2.6	23,527	24,847	25,495	206		
Akron, OH <sup>8</sup>	19,258	20,362	20,905	2.7	27,784	29,258	29,953	91	Eugene-Springfield, OR	7,849	8,292	8,420	1.5	24,392	25,641	25,963	185		
Albany, GA	2,646	2,776	2,852	2.7	21,951	22,975	23,275	277	Evansville-Henderson, IN-KY	7,817	8,288	8,650	4.4	26,445	27,970	29,185	106		
Albany-Schenectady-Troy, NY	24,982	26,732	27,956	4.6	28,583	30,503	31,789	62	Fargo-Moorhead, ND-MN	4,533	4,811	4,992	3.8	26,216	27,538	28,372	124		
Albuquerque, NM	17,295	18,436	19,531	5.9	24,489	25,794	27,030	159	Fayetteville, NC	7,151	7,587	7,777	2.5	23,710	25,054	25,729	198		
Alexandria, LA	2,885	3,070	3,297	7.4	22,877	24,282	26,053	181	Fayetteville-Springdale-Rogers, AR	6,813	7,356	7,936	7.9	22,644	24,461	24,585	237		
Allen-Town-Bethlehem-Easton, PA	17,521	18,796	19,520	3.8	27,579	29,421	30,317	96	Flagstaff, AZ-UT	2,558	2,771	2,894	4.1	21,086	22,577	23,311	275		
Altoona, PA	2,999	3,146	3,173	0.8	23,110	24,382	24,682	234	Flint, MI <sup>9</sup>	10,667	11,013	11,016	0.0	24,556	25,204	25,105	219		
Amarillo, TX	5,052	5,344	5,367	0.4	23,407	24,468	24,365	243	Florence, AL	2,954	3,081	3,140	1.6	20,759	21,615	22,037	294		
Anchorage, AK	8,674	9,200	9,755	6.0	33,447	35,307	36,949	22	Florence, SC	2,903	3,103	3,251	4.8	23,107	24,666	25,742	197		
Ann Arbor, MI <sup>10</sup>	18,277	20,022	20,125	0.5	32,072	34,403	33,965	38	Fort Collins-Loveland, CO	6,657	7,512	7,849	4.5	26,966	29,700	30,198	89		
Annisland, AL	2,376	2,392	2,452	2.5	20,675	21,486	22,035	295	Fort Lauderdale, FL <sup>11</sup>	45,084	48,383	51,370	6.2	28,281	29,629	30,702	79		
Appleton-Oshkosh-Neenah, WI	9,604	10,290	10,746	4.4	27,030	28,626	29,579	97	Fort Myers-Cape Coral, FL	11,477	12,523	13,563	8.3	26,568	28,219	29,540	99		
Asheville, NC	5,760	6,114	6,256	2.3	25,747	26,970	27,378	148	Fort Pierce-Port St. Lucie, FL	9,064	9,608	10,033	4.4	28,653	29,965	30,601	83		
Athens, GA	3,405	3,613	3,755	3.9	23,227	23,452	24,085	252	Fort Smith, AR-OK	4,304	4,632	4,839	4.5	21,029	22,273	23,048	280		
Atlanta, GA	126,446	139,019	144,477	3.9	31,534	33,507	33,769	41	Fort Walton Beach, FL	4,344	4,531	4,768	5.2	25,698	26,505	27,674	142		
Atlantic-Cape May, NJ <sup>12</sup>	10,367	11,135	11,273	1.2	29,404	31,328	31,511	66	Fort Wayne, IN	13,234	14,022	14,070	0.3	26,558	27,867	27,819	140		
Auburn-Opelika, AL	2,023	2,161	2,210	2.3	17,918	18,714	18,923	312	Fort Worth-Arlington, TX <sup>13</sup>	46,244	50,277	53,146	5.7	27,663	29,337	30,230	88		
Augusta-Aiken, GA-SC	10,819	11,489	11,876	3.4	22,805	24,033	24,721	233	Fresno, CA	18,282	19,392	20,219	4.6	20,001	20,878	21,463	303		
Austin-San Marcos, TX	36,852	40,712	41,673	2.4	30,580	32,185	31,511	66	Gadsden, AL	2,121	2,211	2,253	1.9	20,397	21,401	21,865	298		
Bakersfield, CA	12,816	13,637	14,236	4.4	19,553	20,543	21,021	306	Gainesville, FL	5,121	5,423	5,635	3.9	23,727	24,841	25,572	203		
Baltimore, MD <sup>14</sup>	78,303	83,987	87,832	4.6	30,824	32,837	34,039	39	Galveston-Texas City, TX <sup>15</sup>	6,411	6,839	7,088	3.6	25,758	27,272	27,986	141		
Bangor, ME (NECMA)	3,229	3,461	3,651	5.5	22,287	23,889	25,097	221	Gary, IN <sup>16</sup>	16,197	17,240	17,825	3.4	25,685	27,282	28,094	130		
Barnstable-Yarmouth, MA (NECMA)	7,348	7,881	8,159	3.5	33,557	35,303	36,135	28	Glens Falls, NY	2,756	2,934	2,996	1.7	22,211	23,599	23,952	258		
Baton Rouge, LA	14,488	15,246	15,836	3.9	23,221	25,228	26,032	183	Goldboro, NC	2,249	2,416	2,459	1.8	19,871	21,319	21,738	301		
Beaumont-Port Arthur, TX	8,752	9,115	9,307	2.1	22,730	23,689	24,296	247	Grand Forks, ND-MN	2,264	2,388	2,444	2.3	23,125	24,582	25,351	212		
Bellingham, WA	3,699	3,950	4,192	6.1	22,474	23,567	24,564	239	Grand Junction, CO	2,699	2,922	3,007	2.9	23,509	25,019	25,366	210		
Benton Harbor, MI	4,041	4,219	4,185	-0.8	24,941	25,942	25,826	189	Grand Rapids-Muskegon-Holland, MI	28,993	30,747	31,462	2.3	26,909	28,145	28,471	121		
Bergen-Passaic, NJ <sup>17</sup>	53,206	58,913	60,735	3.1	38,885	42,799	43,856	4	Great Falls, MT	1,908	2,013	2,072	2.9	23,669	25,106	26,016	184		
Billings, MT	3,202	3,450	3,635	5.4	24,869	26,628	27,891	137	Greeley, CO <sup>18</sup>	3,888	4,217	4,357	3.3	23,201	23,016	22,469	290		
Biloxi-Gulfport-Pascagoula, MS	8,064	8,502	8,685	2.2	22,336	23,304	23,679	266	Green Bay, WI	6,431	6,834	7,005	2.5	28,605	30,052	30,535	85		
									Greensboro-Winston-Salem-High Point, NC	33,981	36,054	36,626	1.6	27,452	28,707	28,774	115		
Binghamton, NY	5,987	6,344	6,463	1.9	23,686	25,167	25,669	201	Greenville, NC	2,940	3,291	3,382	2.2	22,179	23,526	24,854	225		
Birmingham, AL	25,654	27,170	28,450	4.7	27,968	29,437	30,620	81	Greenville-Spartanburg-Anderson, SC	23,013	24,655	25,239	2.4	24,159	25,534	25,818	191		
Bismarck, ND	2,276	2,460	2,618	6.4	24,155	25,944													

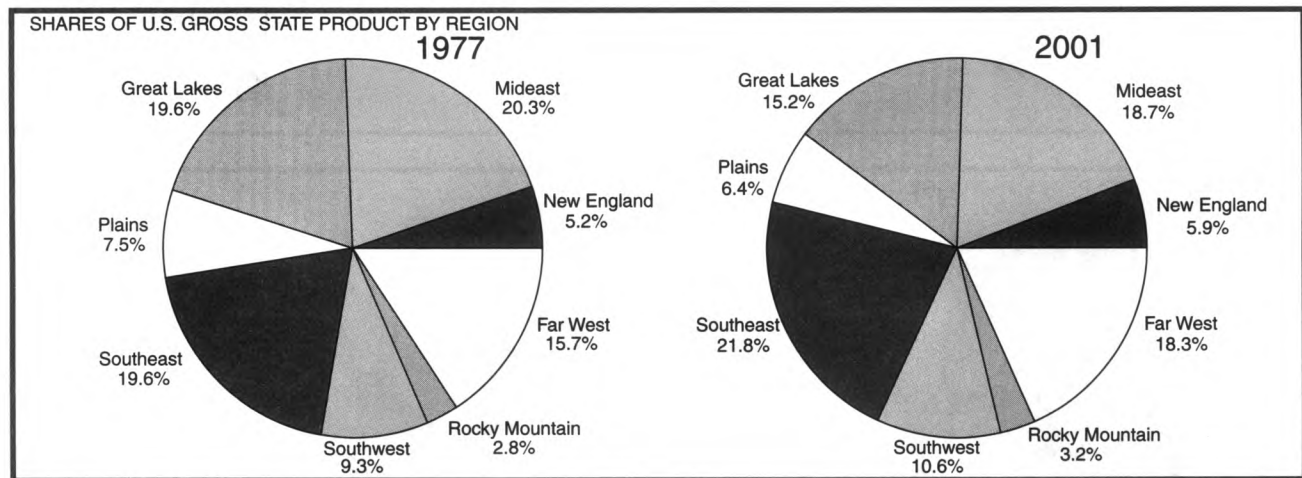
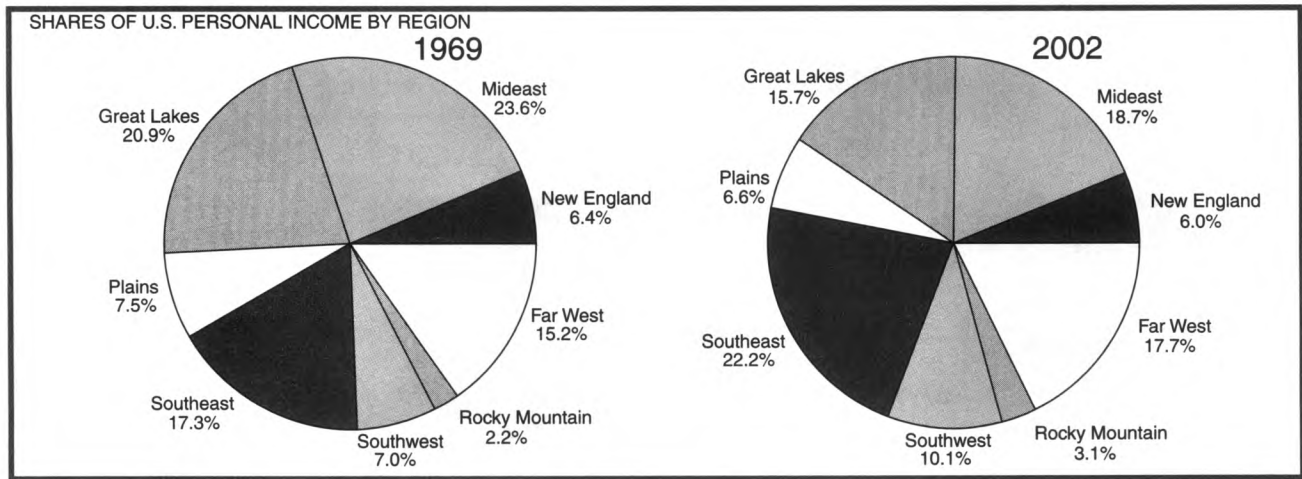
Table K.1. Personal Income and Per Capita Personal Income by Metropolitan Area, 1999-2001—Continued

Area name	Personal income				Per capita personal income <sup>1</sup>				Area name	Personal income				Per capita personal income <sup>1</sup>			
	Millions of dollars			Percent change <sup>2</sup>	Dollars			Rank in U.S.		Millions of dollars			Percent change <sup>2</sup>	Dollars			Rank in U.S.
	1999	2000	2001		2000-2001	1999	2000			2001	1999	2000		2001	2000-2001	1999	
La Crosse, WI-MN	3,166	3,356	3,525	5.0	25,121	26,420	27,626	143	Reno, NV	11,199	12,216	13,018	6.6	33,648	35,781	36,988	21
Lafayette, LA	8,131	8,641	9,247	7.0	21,167	22,395	23,881	262	Richland-Kennewick-Pasco, WA	4,288	4,639	4,967	7.1	22,685	24,074	25,259	214
Lafayette, IN	4,179	4,476	4,642	3.7	23,034	24,416	25,141	218	Richmond-Petersburg, VA	29,131	31,331	32,619	4.1	29,513	31,348	32,268	55
Lake Charles, LA	4,016	4,118	4,383	6.4	21,695	22,436	23,935	261	Riverside-San Bernardino, CA*	70,928	76,681	80,842	5.4	22,238	23,382	23,840	263
Lakeland-Winter Haven, FL	10,600	11,275	11,800	4.7	22,173	23,224	23,991	256	Roanoke, VA	6,482	6,899	7,138	3.5	27,529	29,250	30,249	87
Lancaster, PA	12,415	13,387	13,699	2.3	26,534	28,382	28,863	110	Rochester, NY	3,870	4,181	4,447	6.4	31,571	33,488	35,110	32
Lansing-East Lansing, MI	11,508	12,116	12,287	1.4	25,740	27,023	27,253	153	Rochester, NY	30,339	31,715	32,846	3.6	26,775	28,863	29,870	93
Laredo, TX	2,690	2,924	3,125	6.9	14,232	15,011	15,508	316	Rockford, IL	9,387	9,878	9,889	0.5	25,483	26,429	26,335	176
Las Cruces, NM	2,887	2,991	3,173	6.1	16,602	17,090	17,984	314	Rocky Mount, NC	3,097	3,512	3,613	2.9	21,604	24,546	25,164	217
Las Vegas, NV-AZ	40,406	43,969	46,155	5.0	26,882	27,777	29,916	136	Sacramento, CA	45,588	49,579	52,350	5.6	28,457	30,249	30,906	74
Lawrence, KS	2,116	2,293	2,441	6.4	21,268	22,892	24,129	251	Saginaw-Bay City-Midland, MI	10,350	10,854	10,792	-0.6	25,663	26,927	26,749	170
Lawton, OK	2,348	2,466	2,561	3.9	20,233	21,520	22,672	289	St. Cloud, MN	3,822	4,095	4,221	3.1	23,098	24,361	24,802	227
Lewiston-Auburn, ME (NECMA)	2,418	2,559	2,680	4.7	23,389	24,637	25,752	196	St. Joseph, MO	2,306	2,473	2,536	2.6	22,628	24,106	24,799	228
Lexington, KY	12,808	13,743	14,002	1.9	27,023	28,585	28,849	111	St. Louis, MO-IL	77,424	82,714	85,596	3.5	29,838	31,729	32,666	58
Lima, OH	3,721	3,877	3,929	1.3	24,027	24,983	25,353	211	Salem, OR*	8,037	8,388	8,595	2.5	23,366	24,080	24,402	242
Lincoln, NE	6,852	7,358	7,833	6.5	27,689	29,289	30,872	75	Salinas, CA	11,096	11,802	12,230	3.6	28,001	29,270	29,901	92
Little Rock-North Little Rock, AR	15,270	16,189	17,028	5.2	26,378	27,663	28,845	112	Salt Lake City-Ogden, UT	32,685	35,039	36,295	3.6	24,748	26,176	26,769	169
Longview-Marshall, TX	4,769	5,074	5,346	5.4	22,829	24,305	25,439	208	San Angelo, TX	2,374	2,519	2,592	2.9	22,846	24,230	25,104	220
Los Angeles-Long Beach, CA*	264,408	282,700	296,233	4.8	28,017	29,605	30,611	82	San Antonio, TX	39,188	42,152	43,742	3.8	24,920	26,355	26,887	165
Louisville, KY-IN	29,253	31,202	32,298	3.5	28,677	30,357	31,251	70	San Diego, CA	84,585	92,986	97,241	4.6	30,322	32,910	33,883	39
Lubbock, TX	5,601	6,041	6,090	0.8	23,261	24,872	24,788	229	San Francisco, CA*	85,910	101,736	100,048	-1.7	49,788	58,702	57,714	1
Lynchburg, VA	4,890	5,202	5,315	2.2	22,884	24,174	24,665	236	San Jose, CA*	76,443	93,928	87,479	-6.9	45,733	55,677	51,579	2
Macon, GA	7,798	8,289	8,556	3.2	24,309	25,644	26,265	177	San Luis Obispo-Atascadero-Paso Robles, CA	6,191	6,772	7,011	3.5	25,429	27,341	27,917	135
Madison, WI	13,746	14,929	15,753	5.5	32,477	34,848	36,201	27	Santa Barbara-Santa Maria-Lompoc, CA	12,071	13,179	13,541	2.7	30,414	32,961	33,739	42
Mansfield, OH	3,911	4,100	4,193	2.3	22,172	23,340	23,989	217	Santa Cruz-Watsonville, CA*	8,362	9,687	9,426	-2.7	32,966	37,866	36,865	23
McAllen-Edinburg-Mission, TX	7,066	7,601	8,170	7.5	12,712	13,238	13,788	358	Santa Fe, NM	4,347	4,646	4,910	5.7	29,680	31,365	32,920	48
Medford-Ashland, OR	4,285	4,574	4,688	2.5	23,906	25,152	25,505	205	Santa Rosa, CA*	14,293	16,204	16,173	-0.2	31,522	35,193	34,671	34
Melbourne-Titusville-Palm Bay, FL	11,522	12,567	13,079	4.1	24,405	26,300	26,888	164	Sarasota-Bradenton, FL	19,928	21,512	22,545	4.8	34,247	36,292	37,212	20
Memphis, TN-AR-MS	32,011	33,607	35,084	4.4	28,431	29,513	30,559	84	Savannah, GA	7,581	8,069	8,418	4.3	25,998	27,509	28,422	122
Merced, CA	3,717	3,867	4,033	4.3	17,977	18,268	18,461	313	Seranton-Wilkes-Barre-Hazleton, PA	14,983	15,863	16,399	3.4	23,878	25,436	26,439	174
Miami, FL*	55,213	59,016	61,077	3.5	24,860	26,093	26,594	173	Seattle-Bellevue-Everett, WA*	93,047	99,291	101,059	1.8	38,811	41,025	41,229	12
Middlesex-Somerset-Hunterdon, NJ*	45,573	50,577	51,677	2.2	39,400	43,051	43,292	6	Sharon, PA	2,615	2,786	2,821	1.2	21,657	23,180	23,512	269
Milwaukee-Waukesha, WI*	46,584	49,423	50,907	3.0	31,134	32,898	33,780	40	Sheboygan, WI	3,032	3,212	3,314	3.2	27,052	28,486	29,409	100
Minneapolis-St. Paul, MN-WI	101,664	110,764	115,330	4.1	34,671	37,152	38,131	18	Sherman-Denison, TX	2,415	2,607	2,633	1.0	22,117	23,482	23,366	274
Missoula, MT	2,174	2,373	2,498	5.3	22,935	24,696	25,818	191	Shreveport-Bossier City, LA	8,994	9,416	9,748	3.5	22,989	24,000	24,812	226
Mobile, AL	11,729	12,372	12,765	3.2	21,846	22,847	23,400	273	Sioux City, IA-NE	2,964	3,084	3,192	3.5	23,921	24,842	25,768	194
Modesto, CA	9,582	10,253	10,568	3.1	21,846	22,791	22,677	288	Sioux Falls, SD	5,036	5,403	5,694	5.4	29,874	31,129	32,154	57
Monmouth-Ocean, NJ*	36,488	40,335	41,934	4.0	32,730	35,668	36,543	26	South Bend, IN	6,949	7,321	7,486	2.3	26,228	27,534	28,098	128
Monroe, LA	3,226	3,409	3,541	3.9	21,918	23,151	24,171	249	Spokane, WA	10,012	10,877	11,044	1.5	24,100	25,977	26,107	180
Montgomery, AL	8,236	8,698	8,994	3.4	24,870	26,078	26,830	167	Springfield, IL	5,665	6,032	6,277	4.1	28,135	29,929	31,037	73
Muncie, IN	2,798	2,977	3,031	1.8	23,559	25,088	25,493	207	Springfield, MO	7,590	8,149	8,519	4.5	23,600	24,933	25,756	195
Myrtle Beach, SC	4,333	4,693	4,847	3.3	22,590	23,694	24,021	255	Springfield, MA (NECMA)	15,685	16,838	17,473	3.8	25,834	27,649	28,705	117
Naples, FL	9,693	10,365	10,940	5.6	39,548	40,772	41,269	11	State College, PA	3,234	3,423	3,618	5.7	23,897	25,175	26,396	175
Nashville, TN	36,409	39,065	40,554	3.8	29,973	31,599	32,338	54	Steubenville-Weirton, OH-WV	2,772	2,924	2,985	2.1	20,800	22,207	22,876	285
Nassau-Suffolk, NY*	104,726	113,140	115,641	2.2	38,264	40,978	41,559	10	Stockton-Lodi, CA	12,223	13,192	13,753	4.3	22,127	23,212	23,155	278
New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT*	74,560	80,841	83,358	3.1	43,925	47,286	48,453	43	Syracuse, NY	2,044	2,150	2,191	1.9	19,500	20,519	21,009	307
New London-Norwich, CT (NECMA)	7,969	8,492	8,635	1.7	30,939	32,723	33,112	45	Tacoma, WA*	18,396	19,990	19,810	2.2	25,119	26,474	27,021	160
New Orleans, LA	33,672	35,278	37,431	6.1	25,159	26,385	28,048	131	Tallahassee, FL	17,306	18,554	19,124	3.1	24,985	26,354	26,601	172
New York, NY*	337,749	368,463	379,472	3.0	36,529	39,501	40,450	14	Tampa-St. Petersburg-Clearwater, FL	64,205	69,119	71,843	3.9	27,101	28,748	29,379	102
Newark, NJ*	75,429	84,027	87,193	3.8	37,314	41,291	42,550	150	Terre Haute, IN	3,252	3,433	3,482	1.4	21,755	23,033	23,493	270
Newburgh, NY-PA*	9,654	10,370	10,875	4.9	25,292	26,609	27,343	150	Texarkana, TX-Texarkana, AR	2,680	2,852	2,887	1.2	20,698	21,983	22,150	292
Norfolk-Virginia Beach-Newport News, VA-NC	38,799	41,376	43,516	5.2	24,905	26,288	27,452	145	Toledo, OH	16,611	17,203	17,385	1.1	26,862	27,825	28,098	128
Oakland, CA	84,550	96,400	98,073	1.7	35,764	40,086	39,963	15	Topeka, KS	4,491	4,783	4,973	4.0	20,499	28,127	29,144	107
Ocala, FL	5,540	5,889	6,077	3.2	21,727	22,824	22,910	284	Trenton, NJ	13,000	14,386	15,041	4.5	37,311	40,911	42,317	8
Odesa-Midland, TX	5,984	6,470	6,619	2.3	24,927	27,389	27,920	134	Tucson, AZ	19,129	20,412	21,384	4.8	23,077	24,048	24,767	231
Oklahoma City, OK	25,953	28,152	29,564	5.0	24,117	25,928	26,970	162	Tulsa, OK	22,044	23,738	24,903	4.9	27,604	29,486	30,650	80
Olympia, WA*	5,284	5,715	6,016	5.3	25,790	27,426	28,266	127	Tuscaloosa, AL	3,788	3,984	4,145	4.0	20,037	21,134	21,504	

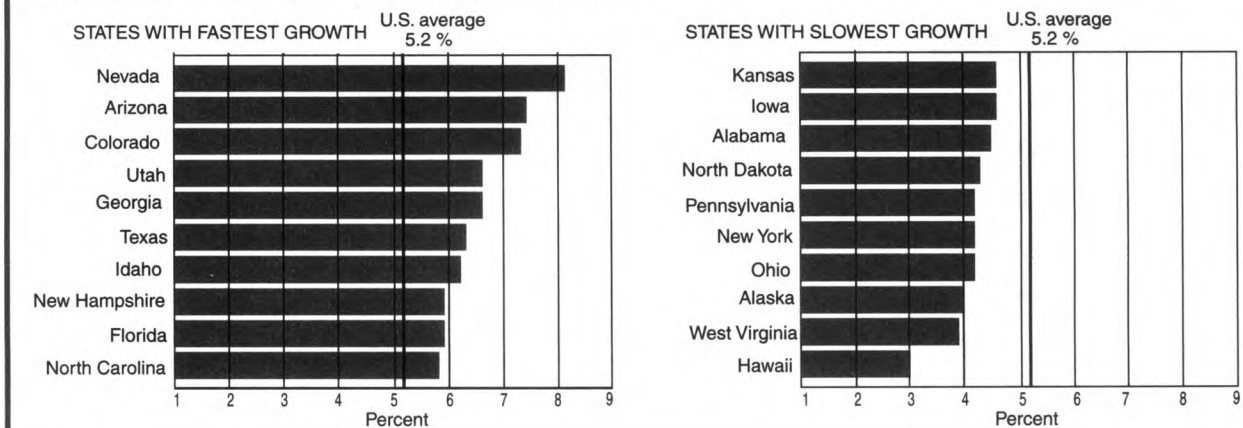


L. Charts

SELECTED REGIONAL ESTIMATES



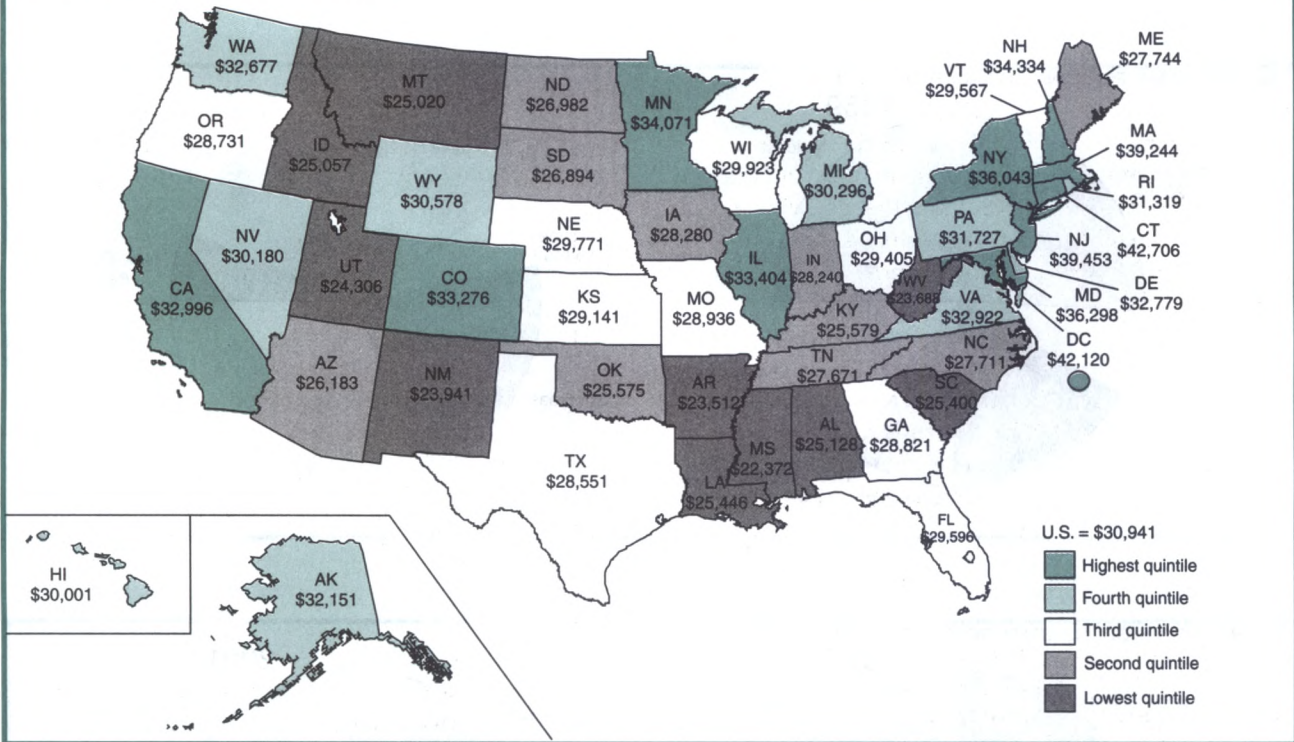
AVERAGE ANNUAL GROWTH RATE OF PERSONAL INCOME, 1992-2002



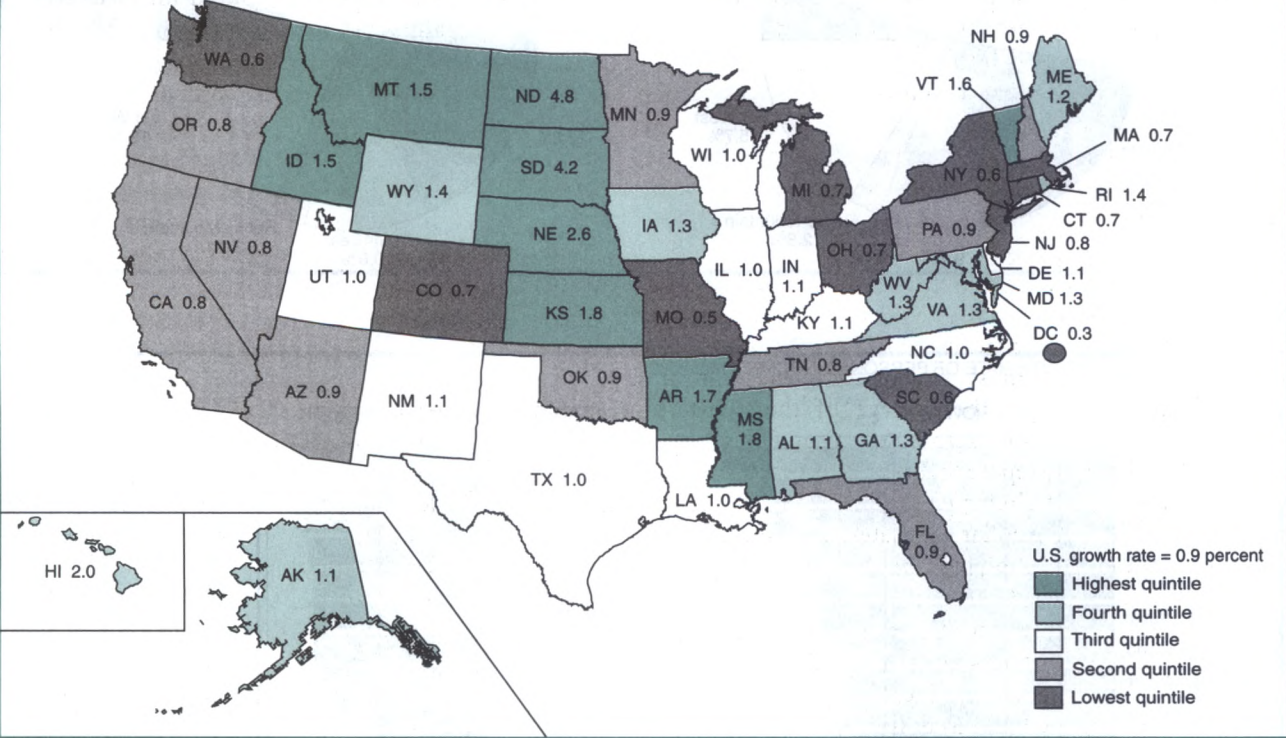
U.S. Bureau of Economic Analysis

### SELECTED REGIONAL ESTIMATES

PER CAPITA PERSONAL INCOME, 2002



PERSONAL INCOME: PERCENT CHANGE, 2002:IV-2003:I



U.S. Bureau of Economic Analysis

## 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.<sup>1</sup> 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 ( $\$100 \times 1.10$ ). 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]

	2001	2002	Seasonally adjusted at annual rates					
			2002				2003	
			I	II	III	IV	I	II
<b>BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing)</b> <sup>1</sup> .....	3.7	2.8	3.7	3.9	2.0	1.6	2.7	3.7
Less: Contribution of supplements to wages and salaries per hour.....	0.3	0.6	1.3	0.8	0.8	0.9	0.3	0.3
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions.....	-0.1	-0.1	-0.1	0.3	0.4	0.4	0.2	-0.5
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed.....	0.0	0.0	-0.2	0.1	0.5	0.0	0.5	-0.2
<b>Equals: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector</b> .....	3.4	2.1	2.5	3.2	1.1	1.1	2.1	3.2
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing.....	-0.1	0.0	-0.2	0.2	-0.4	0.2	-0.2	0.4
Less: Other differences <sup>2</sup> .....	-0.3	-0.9	0.5	0.4	-2.6	-2.7	-0.9	0.8
<b>Equals: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls</b> .....	3.8	2.9	2.2	2.6	4.0	3.6	3.2	2.0
<b>Addendum:</b> BLS estimates of compensation per hour in the nonfarm business sector <sup>3</sup> .....	3.6	2.8	3.7	3.9	2.0	1.6	4.1	3.8

<sup>p</sup> 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.

Note: This table incorporates the annual BLS revision released in August 2003.  
BLS Bureau of Labor Statistics.

**Table 2. Relation of Net Exports of Goods and Services and Net Receipts of Income in the NIPAs to Balance on Goods and Services and Income in the ITAs**

[Billions of dollars]

	Line	2001	2002	Seasonally adjusted at annual rates					
				2002				2003	
				I	II	III	IV	I	II
<b>Exports of goods and services and income receipts, ITAs</b> .....	1	1,284.9	1,229.6	1,188.3	1,230.5	1,255.8	1,244.1	1,241.1	1,244.0
Less: Gold, ITAs.....	2	4.9	3.4	2.6	3.5	3.6	3.8	3.8	5.6
Statistical differences <sup>1</sup> .....	3	3.1	14.8	22.2	13.3	8.7	15.1	8.0	7.2
Other items.....	4	0.9	0.8	0.9	1.0	0.8	0.7	0.8	0.9
Plus: Adjustment for grossing of parent/affiliate interest payments.....	5	6.0	5.0	4.3	5.1	4.8	5.7	5.0	5.0
Adjustment for U.S. territories and Puerto Rico.....	6	50.7	57.3	56.6	56.6	57.7	58.2	58.0	57.0
Services furnished without payment by financial intermediaries except life insurance carriers.....	7	18.3	20.1	18.6	19.8	20.6	21.3	21.5	21.5
<b>Equals: Exports of goods and services and income receipts, NIPAs</b> .....	8	1,351.1	1,292.9	1,242.2	1,294.1	1,325.9	1,309.6	1,313.1	1,313.9
<b>Imports of goods and services and income payments, ITAs</b> .....	9	1,632.1	1,651.7	1,551.5	1,667.8	1,690.7	1,696.7	1,726.9	1,730.9
Less: Gold, ITAs.....	10	4.3	2.9	2.0	3.5	3.0	2.9	2.4	4.1
Statistical differences <sup>1</sup> .....	11	6.2	-17.7	-1.2	-16.9	-19.0	-33.5	-13.9	-13.6
Other items.....	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plus: Gold, NIPAs.....	13	-3.4	-3.3	-3.3	-3.6	-3.5	-2.9	-3.4	-3.7
Adjustment for grossing of parent/affiliate interest payments.....	14	6.0	5.0	4.3	5.1	4.8	5.7	5.0	5.0
Adjustment for U.S. territories and Puerto Rico.....	15	35.6	38.0	30.1	37.2	41.1	43.4	31.9	40.2
Imputed interest paid to rest of world.....	16	18.3	20.1	18.6	19.8	20.6	21.3	21.5	21.5
<b>Equals: Imports of goods and services and income payments, NIPAs</b> .....	17	1,678.0	1,726.1	1,600.4	1,739.8	1,769.7	1,794.7	1,810.6	1,822.1
<b>Balance on goods and services and income ITAs (1-9)</b> .....	18	-347.2	-422.1	-363.2	-437.3	-434.9	-452.6	-485.8	-486.9
Less: Gold (2-10+13).....	19	-2.8	-2.8	-2.7	-3.6	-2.9	-2.0	15.1	16.5
Statistical differences (3-11) <sup>1</sup> .....	20	-3.1	32.5	23.4	30.2	27.7	48.6	21.9	20.8
Other items (4-12).....	21	0.9	0.8	0.9	1.0	0.8	0.7	0.8	0.9
Plus: Adjustment for U.S. territories and Puerto Rico (6-15).....	22	15.1	19.3	26.5	19.4	16.6	14.8	26.1	16.8
<b>Equals: Net exports of goods and services and net receipts of income, NIPAs (8-17)</b> .....	23	-326.9	-433.2	-358.2	-445.7	-443.8	-485.1	-497.5	-508.2

1. Consists of statistical revisions in the NIPAs that have not yet been incorporated into the ITAs (2003:II) and statistical revisions in the ITAs that have not yet been incorporated into the NIPAs (2001:I-2003:II).

ITAs International transactions accounts  
NIPAs 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](http://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* (2002)

*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](http://www.bea.gov/bea/an/nipaguid.htm)>.]

The following SURVEY articles describe the upcoming comprehensive revision of the NIPAs.

"Preview of the Revised NIPA Estimates for 1997: Effects of Incorporating the 1997 Benchmark I-O Accounts

and Proposed Definitional and Statistical Changes" (January 2003)

"Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: Changes in Definitions and Classifications" (June 2003)

"Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: New and Redesignated Tables" (August 2003)

"Preview of the 2003 Comprehensive Revision of the National Income and Product Accounts: Statistical Changes" (September 2003)

In addition, see the following articles.

"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) describes 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.

#### 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](http://www.bea.gov)>; look under "About BEA."

### 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.

"Gross Domestic Product by Industry for 1999-2001" (November 2002) 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.

**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 was published in the July 2003 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*.

"State Personal Income: Revised Estimates for 1999-2001" (October 2002) presents the most recent annual revision of these estimates.

"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, 1969-2001*.

"Local Area Personal Income, 1999-2001" (May 2003) presents the most recent annual revision of these estimates.

**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.

"Gross State Product by Industry, 1999-2001" (June 2003) presents the most recent annual revision of these estimates.