

JANUARY 2000 ~ VOLUME 80 NUMBER

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SURVEY *of* **CURRENT BUSINESS**



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GDP: One of the Great Inventions of the 20th Century
Annual Input-Output Accounts of the U.S. Economy,
1996

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



SURVEY of CURRENT BUSINESS

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 their prices set, by the Government Printing Office, an agency of the U.S. Congress.

Send address changes to
Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

To subscribe, call 202-512-1800. To inquire about your subscription, call 202-512-1806.

Subscription and single-copy prices:

Periodicals: \$48.00 domestic
\$60.00 foreign

First-class mail: \$120.00

Single copy: \$17.25 domestic
\$21.56 foreign

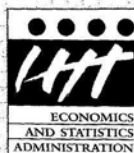
Make checks payable to the Superintendent of Documents.

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

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

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THIS ISSUE of the SURVEY went to the printer on January 12, 2000.

It incorporates data from the following monthly BEA news releases:

U.S. International Trade in Goods and Services (December 16),

Gross Domestic Product (December 22), and

Personal Income and Outlays (December 23).

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At a press conference on December 7, 1999, the Department of Commerce announced that it had selected "the development of the national income and product accounts as its achievement of the century." The speakers at the conference and other government policy officials and leading academic economists took the opportunity to affirm the importance of the national accounts to economic analysis and policy making. The accounts were born out of a pressing need for economic information during the Great Depression and World War II, and they have been continually updated and improved so that they provide an accurate, timely, and relevant picture of U.S. economic activity.

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37 Annual Input-Output Accounts of the U.S. Economy, 1996

The 1996 input-output (I-O) accounts present a detailed picture of how industries interact to provide input to, and take output from, each other. The estimates update the 1992 benchmark I-O accounts and are consistent definitionally and statistically with the recently revised NIPA estimates. The publication of the annual 1996 I-O accounts marks the return of the annual I-O program as part of BEA's industry accounts.

Regular features

1 Business Situation

Real GDP increased 5.7 percent in the third quarter of 1999, according to the NIPA "final" estimate; the "preliminary" estimate issued last month had shown a 5.5-percent increase. The price index for gross domestic purchases increased 1.7 percent, the same as the "preliminary" estimate. The "revised" estimate of corporate profits showed an increase of \$3.7 billion (or 0.4 percent at a quarterly rate) in the third quarter; the "preliminary" estimate had shown an increase of \$8.2 billion (or 0.9 percent).

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90 U.S. International Transactions, Third Quarter 1999

The U.S. current-account deficit increased \$9.0 billion, to \$89.9 billion, in the third quarter of 1999. Most of the increase was accounted for by an increase in the deficit on goods, as imports increased twice as much as exports increased. In the financial account, net recorded inflows decreased \$13.9 billion, to \$105.7 billion. Inflows for foreign-owned assets in the United States and outflows for U.S.-owned assets abroad both slowed sharply, but the slowdown in inflows, which reflected a sharp dropoff in foreign acquisitions of U.S. companies, exceeded that in outflows.

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LOOKING AHEAD

- ❖ *Comparison of BEA Personal Income and IRS Adjusted Gross Income.* An article that presents the revised estimates for 1959–97 of the reconciliation of these two widely used measures of household income will be published in a forthcoming issue of the SURVEY. The reconciliation will reflect the recent comprehensive revision of the NIPA's, including the redefinition of government employee retirement plans.
 - ❖ *Rates of Return of Foreign-Owned U.S. Companies.* An article that presents new industry-level estimates of the rates of return of foreign-owned U.S. companies using current-cost measures of profits and assets will be published in a forthcoming issue of the SURVEY. The article will examine various factors that may underlie the relatively low rates of return for foreign-owned companies.
 - ❖ *Industrial Composition of State Earnings.* An article that analyzes the industrial composition of earnings by State for 1958 and 1998 will be published in a forthcoming issue of the SURVEY. The article will show that State industrial compositions have become more similar over time and will discuss some of the reasons for this trend.
-

BUSINESS SITUATION

Ralph W. Morris prepared the first section of this article, and Daniel Larkins prepared the section on corporate profits.

REAL GROSS domestic product (GDP) increased 5.7 percent in the third quarter of 1999, according to the "final" estimates of the national income and product accounts (NIPA's), after increasing 1.9 percent in the second quarter (table 1 and chart 1).¹ The general picture of the economy that is indicated by the final estimates is little changed from that shown by the preliminary estimates.

1. Quarterly estimates in the NIPA's are expressed at seasonally adjusted annual rates. Quarter-to-quarter dollar changes are the differences between the published estimates. Quarter-to-quarter percent changes are annualized and are calculated from unrounded data unless otherwise specified.

Real estimates are calculated using a chain-type Fisher formula with annual weights for all years and for all quarters except those for the most recent year, which are calculated using quarterly weights; real estimates are expressed both as index numbers (1996=100) and as chained (1996) dollars. Price indexes (1996=100) are also calculated using a chain-type Fisher formula.

Table 1.—Real Gross Domestic Product, Real Gross Domestic Purchases, and Real Final Sales to Domestic Purchasers

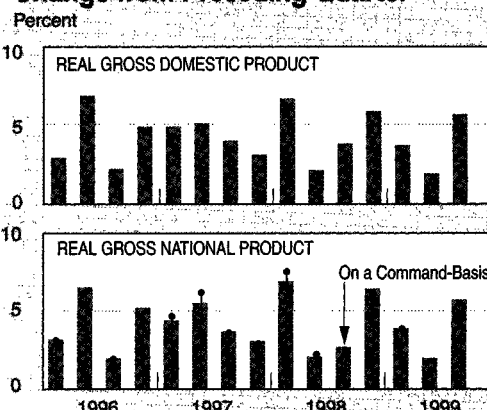
[Seasonally adjusted at annual rates]

	Billions of chained (1996) dollars					Percent change from preceding quarter			
	Level		Change from preceding quarter						
			1999						
	1999	1998	III	IV	I	II	III	IV	I
Gross domestic product	8,900.6	123.2	78.7	40.7	122.0	5.9	3.7	1.9	5.7
Less: Exports of goods and services	1,054.8	37.8	-14.4	10.0	28.4	16.1	-5.5	4.0	11.5
Plus: Imports of goods and services	1,393.0	32.1	37.8	44.5	47.6	10.8	12.5	14.4	14.9
Equals: Gross domestic purchases	9,216.9	117.3	125.9	70.8	138.7	5.5	5.8	3.2	6.3
Less: Change in private inventories	38.0	-5.4	-20.6	-36.1	24.0				
Nonfarm	41.2	-19.3	-15.1	-30.0	28.1				
Farm	-3.8	14.9	-5.4	-6.5	-4.7				
Equals: Final sales to domestic purchasers	9,172.2	123.0	144.2	103.0	114.4	5.8	6.7	4.7	5.2
Personal consumption expenditures	6,033.3	65.1	92.6	73.4	71.5	4.6	6.5	5.1	4.9
Durable goods	821.2	34.8	22.8	17.3	15.1	20.4	12.4	9.1	7.7
Nondurable goods	1,779.3	20.6	36.9	14.2	15.6	5.0	8.9	3.3	3.6
Services	3,440.6	12.4	34.5	42.7	41.4	1.5	4.2	5.2	5.0
Gross private domestic fixed investment	1,607.3	48.5	33.4	25.1	26.3	13.8	9.1	6.6	6.8
Nonresidential fixed investment	1,234.3	40.5	21.9	20.2	31.4	15.3	7.8	7.0	10.9
Structures	246.1	3.6	-3.8	-3.4	-2.4	5.8	-5.8	-5.3	-3.8
Equipment and software	996.6	37.9	27.2	25.2	35.7	18.6	12.5	11.2	15.7
Residential investment	375.1	8.4	11.1	5.1	-3.7	9.8	12.9	5.5	-3.8
Government consumption expenditures and gross investment	1,536.5	10.6	18.7	4.9	17.0	2.9	5.1	1.3	4.5
Federal	539.7	5.0	-6	2.8	5.5	3.9	-5	2.1	4.1
National defense	348.3	-2.6	-3.5	-2.2	9.1	-2.9	-4.0	-2.6	11.2
Nondefense	191.3	7.5	2.8	5.0	-3.6	17.8	6.1	10.9	-7.1
State and local	996.6	5.5	19.3	2.2	11.5	2.3	8.2	.9	4.8
Addendum: Final sales of domestic product	8,855.8	128.7	96.9	72.7	97.9	6.2	4.6	3.4	4.5

NOTE.—Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates usually are not additive. Chained (1996) dollar levels and residuals, which measure the extent of nonadditivity in each table, are in NIPA tables 1.2, 1.4, and 1.6. Percent changes are calculated from unrounded data. Percent changes in major aggregates are in NIPA table S.1. (See "Selected NIPA Tables," which begins on page D-2 of this issue.)

CHART 1

Selected Product Measures: Change from Preceding Quarter



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

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

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

[Seasonally adjusted at annual rates]

	1998	1999		
	IV	I	II	III
Percent change at annual rate:				
Gross domestic product	5.9	3.7	1.9	5.7
Percentage points at annual rates:				
Personal consumption expenditures	3.13	4.27	3.36	3.33
Durable goods	1.51	.96	.71	.62
Nondurable goods .....	.98	1.68	.64	.73
Services .....	.64	1.63	2.01	1.97
Gross private domestic investment	1.94	.67	-.36	2.25
Fixed investment	2.20	1.48	1.10	1.16
Nonresidential	1.79	.94	.86	1.33
Structures .....	.18	-.18	-.16	-.11
Equipment and software	1.61	1.12	1.02	1.44
Residential .....	.41	.53	.24	-.17
Change in private inventories	-.26	-.80	-1.46	1.09
Net exports of goods and services .....	.33	-2.13	-1.35	-.72
Exports	1.65	-.61	.42	1.19
Goods	1.38	-.74	.32	1.19
Services .....	.27	.13	.10	.0
Imports	-1.32	-1.52	-1.77	-1.91
Goods	-1.29	-1.28	-1.59	-1.83
Services	-.03	-.24	-.19	-.08
Government consumption expenditures and gross investment .....	.51	.87	.23	.81
Federal .....	.24	-.03	.13	.26
National defense	-.12	-.16	-.10	.42
Nondefense .....	.36	.13	.23	-.16
State and local .....	.28	.90	.10	.55

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.

The largest contributors to the third-quarter increase in real GDP were consumer spending for services, private investment in equipment and software, private inventory investment, and exports of goods and services (table 2). The increase in GDP was moderated by an increase in imports of goods and services, which are subtracted in the calculation of GDP.

The acceleration in real GDP reflected an upturn in private nonfarm inventory investment and accelerations in exports of goods, in gov-

ernment spending, and in private investment in equipment and software. These changes were partly offset by a downturn in private residential investment.

Real inventory investment—that is, the change in private inventories—increased \$24.0 billion in the third quarter, as inventory accumulation stepped up to \$38.0 billion from \$14.0 billion; inventory investment had decreased \$36.1 billion in the second quarter. In the third quarter, the ratio of real nonfarm inventories to real final sales of domestic businesses decreased to 2.09 from 2.10; the ratio has declined slightly in each of the past four quarters.

The “final” estimate of the change in real GDP is 0.2 percentage point more than the 5.5-percent increase indicated by the “preliminary” estimate reported in the December “Business Situation” (table 3). For 1978–98, the average revision (without regard to sign) from the preliminary estimate to the final estimate was 0.3 percentage point. The upward revision to real GDP primarily reflected upward revisions to private nonfarm inventory investment and to consumer spending for services; these revisions were partly offset by a downward revision to private nonresidential fixed investment. In inventory investment, the upward revision largely reflected the incorporation of revised Census Bureau data on merchant wholesale trade inventories. In consumer spending for services, the upward revision reflected revised Bureau of Economic Analysis international transactions accounts data on net foreign travel, newly available trade source data on stock exchange transactions, and newly available Securities and Exchange Commission data on brokerage commissions. In private nonresidential fixed investment, most of the downward revision was to equipment and software, reflecting revised Census Bureau data on shipments of aircraft.

Real gross domestic purchases increased 6.3 percent, 0.2 percentage point more than the preliminary estimate; in the second quarter, this measure increased 3.2 percent.² Real final sales of domestic product increased 4.5 percent, 0.1 percentage point less than the preliminary estimate; in the second quarter, this measure increased 3.4 percent.³

Table 3.—Revisions to Change in Real Gross Domestic Product and Prices, Third Quarter 1999

[Seasonally adjusted at annual rates]

	Percent change from preceding quarter		Final estimate minus preliminary estimate		
	Preliminary estimate	Final estimate	Percent-age points	Billions of chained (1996) dollars	Contri-bution to percent change in real GDP
Gross domestic product	5.5	5.7	0.2	2.9	.....
Less: Exports of goods and services	11.7	11.5	–2	–4	–.02
Goods	15.8	16.9	1.1	1.7	.07
Services	2.7	0	–2.7	–1.9	–.09
Plus: Imports of goods and services	14.6	14.9	.3	1.1	–.05
Goods	17.2	17.3	.1	.1	0
Services	1.7	3.6	1.9	1.0	–.04
Equals: Gross domestic purchases	6.1	6.3	.2	4.3	.....
Less: Change in private inventories .....	.....	.....	.....	4.1	.17
Farm .....	.....	.....	.....	–.1	–.01
Nonfarm .....	.....	.....	.....	4.1	.17
Equals: Final sales to domestic purchasers	5.1	5.2	.1	.4	.....
Personal consumption expenditures	4.6	4.9	.3	4.5	.20
Durable goods	7.7	7.7	0	0	0
Nondurable goods	3.5	3.6	.1	.5	.02
Services	4.5	5.0	.5	3.9	.17
Fixed investment	8.3	6.8	–1.5	–5.4	–.24
Nonresidential	13.3	10.9	–2.4	–6.7	–.28
Structures	–1.5	–3.8	–2.3	–1.4	–.07
Equipment and software	18.2	15.7	–2.5	–5.3	–.21
Residential	–4.8	–3.8	1.0	1.0	.05
Government consumption expenditures and gross investment	4.2	4.5	.3	1.1	.05
Federal	3.9	4.1	.2	.4	.02
National defense	11.4	11.2	–2	–2	–.01
Nondefense	–8.1	–7.1	1.0	.5	.03
State and local	4.4	4.8	.4	.8	.04
Addenda:					
Final sales of domestic product	4.6	4.5	–.1	–.8	.....
Gross national product	5.4	5.6	.2	4.9	.....
Gross domestic purchases price index	1.7	1.7	0	.....	.....
GDP price index	1.1	1.1	0	.....	.....

NOTE.—The final estimates for the third quarter of 1999 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 September, stock exchange transactions for August and September, and electricity usage for August.

Private nonresidential fixed investment: Revised construction put in place for August and September and revised manufacturers' shipments of machinery and equipment for September.

Private residential fixed investment: Revised construction put in place for August and September, revised housing starts for September, and revised sales of new homes for July through September.

Change in private inventories: Revised manufacturing and trade inventories for September.

Exports and imports of goods and services: Revised data on exports and imports of goods for September and revised balance-of-payments data on exports and imports of services for the quarter.

Government consumption expenditures and gross investment: Revised State and local construction put in place for August and September.

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

GDP prices: Revised export and import prices for July through September, revised values and quantities of petroleum imports for September, and revised prices of single-family homes under construction for the quarter.

2. Gross domestic purchases—a measure of purchases by U.S. residents regardless of where the purchased goods and services were produced—equals GDP less exports of goods and services plus imports of goods and services; it also equals the sum of personal consumption expenditures, private fixed investment, change in private inventories, and government consumption expenditures and gross investment.

3. Final sales of domestic product equals GDP less change in private inventories; it also equals the sum of personal consumption expenditures,

The price index for gross domestic purchases increased 1.7 percent, the same as the preliminary estimate; in the second quarter, the index increased 1.9 percent. The price index for GDP increased 1.1 percent, the same as the preliminary estimate; in the second quarter, the index increased 1.4 percent. The price index for gross domestic purchases increased more than the price index for GDP in the third quarter, primarily reflecting an increase in import prices (which are not included in GDP prices). Import prices increased 6.2 percent in the third quarter, primarily reflecting a sharp increase in petroleum product prices.

Real disposable personal income (DPI) increased 2.9 percent in the third quarter, 0.2 percentage point more than the preliminary estimate. The upward revision was primarily accounted for by an upward revision to personal income, largely to personal interest income.

The personal saving rate—personal saving as a percentage of current-dollar DPI—was 2.1 percent, the same as the preliminary estimate; in the second quarter, the rate was 2.5 percent.

Gross national product (GNP).—In the third quarter, real GNP—goods and services produced by labor and property supplied by U.S. residents—increased 5.6 percent, 0.1 percentage point less than real GDP (table 4).⁴ Income receipts from the rest of the world increased slightly less than income payments to the rest of the world; cor-

porate profits accounted for about half of the increase in receipts, and interest income accounted for most of the increase in payments.

Real GNP on a command basis, which measures the purchasing power of goods and services produced by the U.S. economy, increased less than real GNP—5.1 percent, compared with 5.6 percent—reflecting a deterioration in the terms of trade.⁵ In the second quarter, real GNP on a command basis also increased less than real GNP—1.4 percent, compared with 1.9 percent.

Corporate Profits

According to revised estimates, profits from current production increased \$3.7 billion (or 0.4 percent at a quarterly rate) in the third quarter after decreasing \$6.5 billion (0.7 percent) in the second (table 5).⁶ Third-quarter profits were

5. 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 a measure of the relationship between the prices that are received by U.S. producers for exports of goods and services and the prices that are paid by U.S. purchasers for imports of goods and services. It 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.

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

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

private fixed investment, and government consumption expenditures and gross investment.

4. GNP equals GDP plus income receipts from the rest of the world less income payments to the rest of the world.

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			1998		1999	
	1999	1998	1999						
	III	IV	I	II	III	IV	I	II	III
Gross domestic product	8,900.6	123.2	78.7	40.7	122.0	5.9	3.7	1.9	5.7
Plus: Income receipts from the rest of the world	296.5	3.7	2.0	10.6	9.9	5.6	3.0	16.3	14.5
Less: Income payments to the rest of the world	311.8	-4.5	-6	10.4	10.7	-6.0	-9	15.1	15.0
Equals: Gross national product	8,885.5	131.3	81.4	41.0	121.2	6.3	3.8	1.9	5.6
Less: Exports of goods and services and income receipts from the rest of the world	1,351.5	41.1	-12.0	21.1	38.4	13.7	-3.6	6.7	12.2
Plus: Command-basis exports of goods and services and income receipts from the rest of the world ¹	1,391.6	40.4	-5.7	10.2	26.4	12.8	-1.7	3.0	8.0
Equals: Command-basis gross national product	8,925.6	130.7	87.6	30.0	109.3	6.2	4.1	1.4	5.1
Addendum: Terms of trade²	103.0	-2	.6	-9	-1.0	-8	2.3	-3.4	-3.8

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

reduced by about \$10 billion (revised) as a result of Hurricane Floyd, which made landfall in North Carolina in mid-September; benefits paid by insurance companies reduced profits by about \$8 billion, and uninsured corporate losses reduced profits by about \$2 billion.

Profits of domestic nonfinancial corporations decreased \$5.5 billion (0.9 percent) after increasing \$2.2 billion (0.4 percent); unit profits decreased, reflecting increased unit costs and unchanged unit prices. Profits of domestic financial corporations increased \$4.4 billion (2.5 percent) after decreasing \$7.8 billion (4.2 percent). Profits from the rest of the world increased \$4.8 billion (4.6 percent) after decreasing \$1.0 billion (0.9 percent); the increase was more than accounted for by receipts of earnings from foreign affiliates.⁷

The revised estimate of profits from current production is \$4.5 billion lower than the preliminary estimate. Downward revisions to prof-

its from the rest of the world and to profits of domestic nonfinancial industries were only partly offset by an upward revision to profits of domestic financial industries.

Cash flow from current production, a profits-related measure of internally generated funds available for investment, increased \$12.3 billion after decreasing \$6.7 billion.⁸ The ratio of cash flow to nonresidential fixed investment, an indicator of the share of the current level of investment that could be financed by internally generated funds, decreased from 79.3 percent to 78.6 percent, its lowest level since 1990; the ratio's average level for 1990–98 was 84.9 percent.

Domestic industry profits and related measures.—Domestic industry profits increased \$0.1 billion after decreasing \$8.2 billion. Profits of domestic nonfinancial corporations decreased \$5.5 billion after decreasing \$1.3 billion.⁹ Profits of

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

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

9. Domestic industry profits are estimated as the sum of corporate profits before tax and the inventory valuation adjustment; they are shown in NIPA table 6.16c (on page D-16 of this issue). Estimates of the capital consumption adjustment do not exist at a detailed industry level; they are available only

Table 5.—Corporate Profits

[Seasonally adjusted]


	Billions of dollars (annual rate)					Percent change (quarterly rate)			
	Level	Change from preceding quarter				1998	1999		
	1999	1998	1999			IV	I	II	III
	III	IV	I	II	III				
Profits from current production	879.2	-9.5	47.7	-6.5	3.7	-1.1	5.7	-0.7	0.4
Domestic industries	771.1	-21.2	41.7	-5.6	-1.0	-2.8	5.7	-7	-1
Financial	181.8	-7	17.2	-7.8	4.4	-4	10.2	-4.2	2.5
Nonfinancial	589.2	-20.5	24.5	2.2	-5.5	-3.5	4.3	.4	-9
Rest of the world	108.1	11.7	6.0	-1.0	4.8	13.5	6.1	-9	4.6
Receipts (inflows)	169.5	9.7	10.2	7.1	5.4	7.0	7.0	4.5	3.3
Payments (outflows)	61.4	-2.0	4.2	8.1	.6	-4.1	8.8	15.2	1.0
IVA	-26.7	1.0	-7.5	-26.9	-13.1	.....	.....	.....	.....
CCAdj	52.1	3.0	3.7	2.6	-1.1	.....	.....	.....	.....
Profits before tax	853.8	-13.4	51.4	17.7	18.0	-1.7	6.7	2.2	2.1
Profits tax liability	259.4	-8.7	12.4	6.4	5.0	-3.5	5.3	2.6	2.0
Profits after tax	594.3	-4.8	39.1	11.3	12.9	-9	7.4	2.0	2.2
Cash flow from current production	929.0	7.5	39.8	-6.7	12.3	.9	4.5	-7	1.3
Domestic industry profits:									
Corporate profits of domestic industries with IVA	719.0	-24.1	38.0	-8.2	.1	-3.4	5.5	-1.1	0
Financial	203.9	-9	16.7	-7.0	5.6	-5	8.9	-3.4	2.8
Nonfinancial	515.1	-23.1	21.3	-1.3	-5.5	-4.4	4.3	-2	-1.1
Manufacturing	163.1	-10.2	9.3	-3.2	-4.7	-5.9	5.7	-1.9	-2.8
Transportation and public utilities	117.3	-6.1	5.0	-4.0	9.4	-5.4	4.7	-3.6	8.8
Wholesale trade	39.1	-8.5	2.2	.9	-5.2	-17.1	5.3	2.2	-11.9
Retail trade	67.7	-3	6.7	-3	-7.7	-4	9.7	-4	-10.2
Other	127.9	1.8	-1.9	5.4	2.7	1.5	-1.5	4.5	2.2
Dollars									
Unit price, costs, and profits of nonfinancial corporations:									
Unit price	1.012	0	0.001	0.003	0	.....	.....	.....	.....
Unit labor cost .....	.650	.002	.001	.002	.001	.....	.....	.....	.....
Unit nonlabor cost .....	.246	.002	-.002	.001	.....	.....	.....	.....	.....
Unit profits from current production .....	.115	-.005	.003	-.001	-.003	.....	.....	.....	.....

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

retail trade, of wholesale trade, and of manufacturing decreased; in contrast, profits of the transportation and utility group increased. Profits of domestic financial corporations increased \$5.6 billion after decreasing \$7.0 billion.

Profits before tax (PBT) increased \$18.0 billion after increasing \$17.7 billion. The difference between the \$18.0 billion increase in PBT and the \$3.7 billion increase in profits from current production mainly reflected a larger negative level of

for total financial and total nonfinancial industries and for rest-of-the-world profits.

the inventory valuation adjustment (IVA). The IVA removes inventory profits and losses from business income.¹⁰ In the third quarter, inventory profits amounted to \$26.7 billion, up from \$13.6 billion in the second quarter. 

10. As prices change, companies that value inventory withdrawals at original acquisition (historical) costs may realize inventory profits or losses. Inventory profits—a capital-gains-like element in profits—result from an increase in inventory prices, and inventory losses—a capital-loss-like element in profits—result from a decrease in inventory prices. In the NIPA's, inventory profits or losses are removed from domestic business incomes by the inventory valuation adjustment; a negative IVA removes inventory profits, and a positive IVA removes inventory losses.

GDP: One of the Great Inventions of the 20th Century

As the 20th century drew to a close, the U.S. Department of Commerce embarked on a review of its achievements. At the conclusion of this review, the Department named the development of the national income and product accounts as "its achievement of the century." Below is a brief overview of the national accounts that describes their purpose, their development, their impact, and their future; the overview also includes short notes of appreciation on the importance of GDP and the national accounts from prominent economists and officials responsible for U.S. fiscal and monetary policy. The overview is followed by remarks that were made at the press conference on December 7, 1999, that announced the Department's recognition of the national accounts: By the Secretary of Commerce, William M. Daley; the Chair of the Federal Reserve Board, Alan Greenspan; the Chair of the President's Council of Economic Advisers, Martin N. Baily; and Commerce's Under Secretary for Economic Affairs, Robert J. Shapiro.

The recognition of the national accounts is a testimony not only to Nobel laureate Simon Kuznets and the other economists who participated in their early development, but also to the staff of BEA and its predecessor organizations, who—working with academics, business persons, policy officials, and others—have continually updated and improved the accounts over the years to make them as accurate, useful, and relevant today as they have been since their creation over 60 years ago.

*J. Steven Landefeld
Director, Bureau of Economic Analysis*

While the GDP and the rest of the national income accounts may seem to be arcane concepts, they are truly among the great inventions of the twentieth century.

Paul A. Samuelson and William D. Nordhaus

The Gross Domestic Product and the National Income and Product Accounts

THE NATIONAL income and product accounts (NIPA's) are the comprehensive set of accounts that measure the total value of final goods and services (gross domestic product, or GDP) produced by the U.S. economy and the total of incomes earned in producing that output (Gross Domestic Income, or GDI). GDP measures final purchases by households, business, and government by summing consumption, investment, government spending, and net exports. GDI measures total incomes earned by households by summing wages and salaries, rents, profits, interest, and other income. The accounts also provide information on the prices at which the output is sold and measures of real, inflation-adjusted, measures of output and income.

This integrated set of accounts and the detailed sets of international, regional, and industry ac-

counts that support the national accounts allow for comprehensive and integrated analyses of the impact of alternative policy actions, or of external events, on the entire economy as well as on detailed components of final demand, incomes, industries, and regions of the country.

History of the NIPA's.—Prior to the development of the NIPA's, policymakers had to guide the economy using limited and fragmentary information about the state of the economy. The Great Depression underlined the problems of incomplete data and led to the development of the national accounts:

One reads with dismay of Presidents Hoover and then Roosevelt designing policies to combat the Great Depression of the 1930's on the basis of such sketchy data as stock price indices, freight car loadings, and incomplete indices of industrial production. The fact was that comprehensive measures of national income and output did not exist at the time. The Depression, and with it the growing role of government in the economy, emphasized the need for such measures and led to the development of a comprehensive set of national income accounts.

Richard T. Froyen

In response to this need in the 1930's, the Department of Commerce commissioned Nobel laureate Simon Kuznets of the National Bureau of Economic Research to develop a set of national economic accounts.¹ Professor Kuznets headed a small group within the Bureau of Foreign and Domestic Commerce's Division of Economic Research. Professor Kuznets coordinated the work of researchers at the National Bureau of Economic Research in New York and his staff at Commerce. The original set of accounts was presented in a report to Congress in 1937 and in a research report, *National Income, 1929-35*.

Early in 1942, annual estimates of gross national product were introduced to complement the estimates of national income and to facilitate war time planning. Wartime planning needs also helped to stimulate the development of input-output accounts. Nobel laureate Wassily Leontief developed the U.S. input-output accounts that subsequently became an integral part of the NIPA's. In commenting on the usefulness of the national accounts, Wesley C. Mitchell, Director, National Bureau of Economic Research, said: "Only those who had a personal share in the economic mobilization for World War I could realize in how many ways and how much estimates of national income covering 20 years and classified in several ways facilitated the World War II effort."

Over time, in response to policy needs and changes in the economy, the accounts have been expanded to provide quarterly estimates of GDP and monthly estimates of personal income and outlays, regional accounts, wealth accounts, industry accounts, and expanded international accounts. In the past decade, the accounts have been updated by introducing measures of real output and prices that reflect current expenditure patterns; quality-adjusted prices for high-tech goods; and most recently, investment in computer software and a new measure of banking output that recognizes ATMs, electronic funds transfers, and the wide range of other services that banks provide.

A time line of the major innovations introduced in the accounts in the last 50 years would include the following:

- In the 1930's, in response to the information gap revealed by the Great Depression, Simon Kuznets developed a set of national income accounts.
- In the 1940's, World War II planning needs were the impetus for the development of product or expenditure estimates (gross national product); by the mid-1940's, the accounts had evolved into a consolidated set of income and product accounts, providing an integrated birds-eye view of the economy.
- In the late 1950's and early 1960's, interest in stimulating economic growth and in the sources of growth led to the development of official input-output tables, capital stock estimates, and more detailed and timely State and local personal income estimates.
- In the late 1960's and 1970's, accelerating inflation prompted the development of improved measures of prices and inflation-adjusted output.
- In the 1980's, the internationalization of trade in services led to an expansion of the estimates of international trade in services in the NIPA's.
- In the 1980's, BEA did pioneering work with IBM in the development of quality-adjusted price and output measures for computers.
- In the 1990's, BEA introduced more accurate measures of prices and inflation-adjusted output, developed estimates of investments in computer software, and incorporated updated measures of high tech products and banking output.

The contribution of the NIPA's to stability and economic growth.—The importance of the national accounts is well summarized by Nobel laureate Paul Samuelson and his coauthor William Nordhaus in the 15th edition of their textbook, *Economics*:

Much like a satellite in space can survey the weather across an entire continent so can the GDP give an overall picture of the state of the economy. It enables the President, Congress, and the Federal Reserve to judge whether the economy is contracting or expanding, whether the economy needs a boost or should be reined in a bit, and whether a severe recession or inflation threatens.

Without measures of economic aggregates like GDP, policymakers would be adrift in a sea of unorganized data. The GDP and related data are like beacons that help policymakers steer the economy toward the key economic objectives.

1. Although Simon Kuznets is often best remembered for his creation of the U.S. national accounts, his Nobel Prize was awarded for his "empirically founded interpretation of economic growth which has led to new and deepened insight into the economic and social structure and process of development." Professor Kuznets shares credit in developing economic accounts with Sir Richard Stone of the United Kingdom, who subsequently won the Nobel Prize for "having made fundamental contributions to the development of systems of national accounts and hence greatly improved the basis for empirical economic analysis."

The national accounts have become the mainstay of modern macroeconomic analysis, allowing policymakers, economists, and the business community to analyze the impact of different tax and spending plans, the impact of oil and other price shocks, and the impact of monetary policy on the economy as a whole and on specific components of final demand, incomes, industries, and regions.

The national accounts, in combination with better informed policies and institutions, have contributed to a reduction in the severity of business cycles and a post-war era of strong economic growth. Prior to World War II, the business cycle was much more severe and more frequent. There were 6 severe depressions between 1854 and 1945 with an average duration of nearly 3 years. Including recessions as well as depressions, the average downturn between 1854 and 1945 was 21 months, with a contraction occurring on average once every 4 years. During the postwar era the length of the average downturn has been halved to 11 months, with a contraction occurring on average once every 5 years.


The post-World War II era stands out as a period of unprecedented growth for the United States. Real GDP per capita and real wealth has more than doubled since 1948. This period of economic prosperity has not only dramatically improved standards of living but has contributed to large improvements in social conditions, cutting poverty in half, raising life expectancy, and adding to leisure time.

The bank runs, financial panics, and depressions that were recurring problems before World War II became a thing of the past. The business cycle was not eliminated, but its severity was curtailed. This post-war success was based on a more stable economic environment that was due in significant part to the timely, comprehensive and accurate data on the economy provided by the national accounts.

BEA and the GDP of the next century.—In the next century, the needs of the information age will only get larger, and if the national accounts and the rest of the U.S. statistical system is to meet that challenge, several things must happen. First, the Bureau of Economic Analysis, the Bureau of the Census, and the rest of the U.S. statistical system must take a strong leadership role

in the harmonization of economic and financial standards in the United States and abroad. The U.S. statistical agencies will also need to continue their work with business and government to increase the use of electronic data collections and administrative records. This will require not only harmonization of financial and accounting standards, but also the adoption of common product and industry codes, the sharing of data between statistical agencies, strong assurances of confidentiality, improvements in administrative records, and an information technology system in the U.S. statistical agencies that is equipped to handle the information needs of the 21st century.

If all this comes to pass, one can imagine a Bureau of Economic Analysis in the future that will obtain its national accounts data from coordinated electronic data collection systems. These systems will use existing electronic data from business accounts, administrative records, and financial clearance systems. The trend toward harmonization of business and economic accounting standards will have reached the point where the data can be used interchangeably. Standardized business, financial, and administrative codes will become so commonplace, and electronic confidentiality protections so secure, that economists and statisticians at BEA, the Census Bureau, and elsewhere in the U.S. statistical system will be able to simply "sample" data plucked from the existing stream of business, financial, and administrative transactions.

Not only will respondent burden be substantially reduced, but the timeliness, accuracy, and quality of the national accounts will also be dramatically improved. Data will be available on a continuous flow basis, and new firms and firms going out of business will be instantly identified. Given the universal use of common scanner, billing, and Internet order codes, the level of detail available from the accounts will exceed anything imagined today. Finally, the internationalization of markets and the need to coordinate government policy will mean that this same type of data will be available globally, as well as nationally. Such a system will produce a quantum leap in the quality and efficiency of the information infrastructure available for marketing, for business, household, and government transactions, for planning, and for decision making. 

Notable Quotes

Information is fundamental to understanding all human endeavor. The national income accounts, and the data they use and produce, are our core economic information. While they can—and with adequate human, financial, and organizational resources, will—be continually improved; without them we would be in economic dark ages.

Michael J. Boskin
T.M. Friedman Professor of Economics, Stanford University
Senior Fellow, Hoover Institution
Former Chair, Council of Economic Advisors

The ability to measure our economy accurately is absolutely critical in the formulation of the federal budget. Indeed, it would be difficult for government to function today without the excellent information provided by the Commerce Department's GDP series.

U.S. Senator Pete V. Domenici
Chair, Committee on the Budget

[The national income and product accounts are] among the major contributions of this century to economic knowledge.

Robert Eisner
Former President, American Economic Association

BEA has the largest macroeconomic job in the entire statistical system. BEA is responsible for measuring the nation's income and product accounts. . . Using the national income accounts framework developed by Simon Kuznets a half century ago, BEA has become the keeper of the nation's economic accounts.

Janet L. Norwood
Senior Fellow, The Urban Institute
Former Commissioner, Bureau of Labor Statistics

In an era when it is fashionable to criticize government or minimize its contributions, the development of the GDP measure by the Department of Commerce is a powerful reminder of the important things that government can and does do to make the private economy stronger and our individual lives better.

Robert E. Rubin
Director, Citigroup, Inc.
Former Secretary, U.S. Department of the Treasury

The GDP accounts provide Congress and the rest of government with vital signs on our economy's health. We are making better economic

policy today because the GDP accounts give us a better understanding of what policies work. We should devote more resources for modernizing the GDP accounts to keep our statistical infrastructure in step with our rapidly evolving economy.

U.S. Senator Paul Sarbanes
Ranking Member, Committee on Banking, Housing
and Urban Affairs

GDP! The right concept of economy-wide output, accurately measured. The U.S. and the world rely on it to tell where we are in the business cycle and to estimate long-run growth. It is the centerpiece of an elaborate and indispensable system of social accounting, the national income and product accounts. This is surely the signal innovative achievement of the Commerce Department in the 20th century. I was fortunate to become an economist in the 1930's when Kuznets, Nathan, Gilbert, and Jaszi were creating this most important set of economic time series. In economic theory, macroeconomics was just beginning at the same time. Complementary, these two innovations deserve much credit for the improved performance of the economy in the second half of the century.

James Tobin
Nobel laureate
Yale University Professor Emeritus of Economics

The quality of business decisions depends on information—more information means less uncertainty and better decisions. The U.S. national income accounts provide business leaders with critical information about the trends shaping their market opportunities and challenges. These accounts are a critical component of the institutional infrastructure on which the health of our market economy depends.

Laura D'Andrea Tyson
Dean, School of Business, University of California at Berkeley
Former Chair, Council of Economic Advisors

For decades, the Department of Commerce, in maintaining the statistics, has also nurtured and protected a group of statisticians/economists that have made an enormous contribution to independent, authoritative, and timely analysis. It is of great benefit to the United States and unmatched in the world.

Paul A. Volcker
North American Chairman of the Trilateral Commission
Former Chair, Federal Reserve Board

Press Conference Announcing the Commerce Department's Achievement of the Century

December 7, 1999
Washington, DC

Remarks by William M. Daley Secretary, U.S. Department of Commerce

THIS IS a very proud day for the men and women of the Commerce Department. We will be honoring some of their outstanding work this afternoon at our annual awards ceremony.

And since it is the last one of the century, I wanted us to look back and select our greatest achievement. Let me tell you, it wasn't easy. We are a very diverse Department with a long history. Teddy Roosevelt created us early in the century, but some of our agencies have been around since the earliest days of the Republic, including the Census Bureau and the Patent Office.

We are the smallest of the Cabinet agencies, but we have accomplished the most—in my unbiased opinion.

We issued over 5 million patents in the last 100 years, compared with about 600,000 in the late 18th and 19th centuries combined. We will present number 6 million on Friday. Census takers have knocked on a billion and a half doors. Our weather forecasters went from standing on

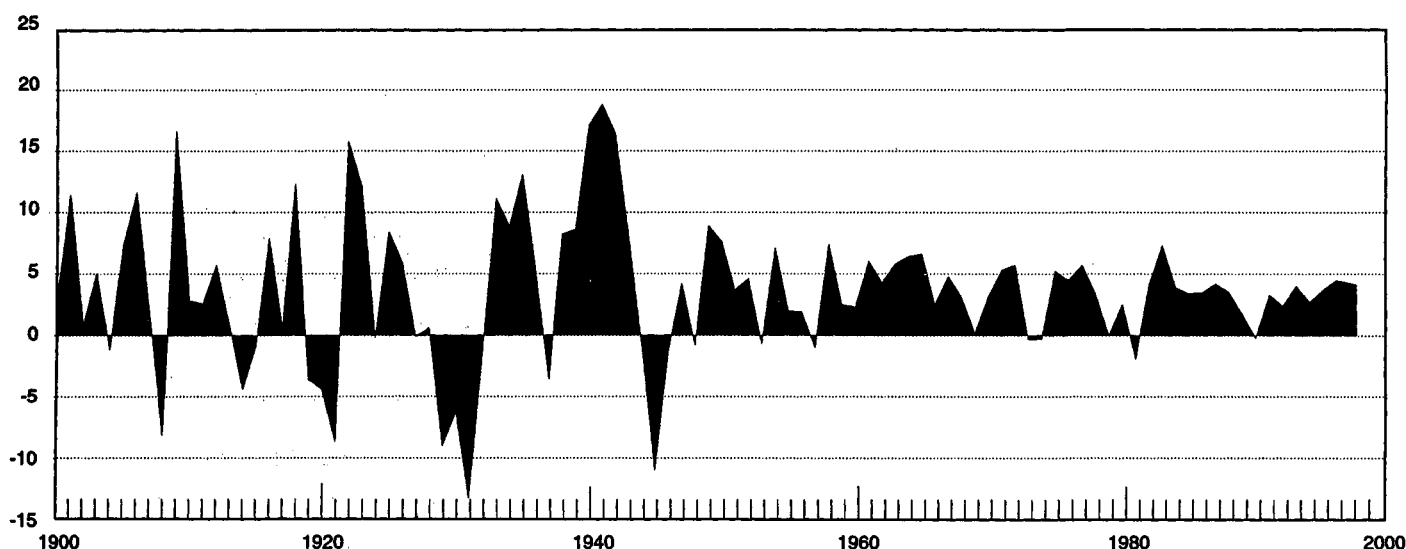
the beach to predict the coming of a hurricane, to running the largest fleet of civilian satellites in the world.

Our international trade people helped America's exports grow to nearly a trillion dollars from a little over a billion dollars at the turn of the century. And they helped us win the Cold War, also, by controlling high-tech exports with military applications. We helped create 4 million jobs in distressed communities. We helped half a million minority businesses to grow. We built the first atomic clock. And we had a hand in creating the 911 emergency phone number.

But as we searched for our greatest achievement, something the bright minds at Commerce created from scratch and that had the greatest impact on America, it was the invention of the national economic accounts—what we now call the gross domestic product, or GDP.

Pioneered by our own Dr. Simon Kuznets in the early 1930's, he later won a Nobel Prize for his work. Ever since, the GDP accounts have been used by government and business officials to guide their economic policymaking.

Chart 1 – A More Stable Economy: Annual GDP Growth in the 20th Century



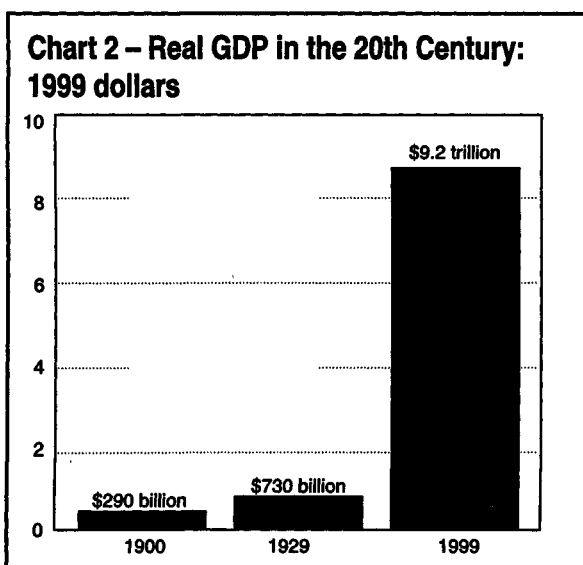
Obviously, I don't have to convince our guests—Chairman Greenspan and Chairman Baily—or any economist or business leader that this is one of the greatest inventions of the 20th century. Some of them have sent us letters, including Paul Volcker, Laura Tyson, and Bob Rubin.

Without these key statistics, they could not do their jobs as well as they do. Without the big picture the GDP gives us, they would not have the information they need to figure out what's going on in our economy and take appropriate action.

In fact, it was the great need for information that led to the creation of the GDP accounts. We were in the middle of the Great Depression. Franklin Roosevelt and his advisers were perplexed at what to do, largely because of a lack of information about the overall economy. They knew that rail shipments were way down, that steel production was plunging, that millions of people were out of work. But they didn't have the big picture.

Think of it this way. A doctor can only make a diagnosis and prescribe a treatment after first sitting down and piecing together all the test results that have been taken. And economic policy makers are very much like doctors. So what the GDP accounts have done is to give us the tools to make those critical decisions.

If I can have the first chart, we can see the results: It shows the ups and downs of the U.S. economy during the 20th century. Note that since the end of World War II, when the GDP accounts were more fully developed and in wider use, the boom and bust swings are much less severe. You don't see as much [shaded area].



The biggest drop in GDP—a 13-percent reduction—came in 1932. In contrast, the biggest drop in the last 50 years came in the 1981–82 recession, when GDP fell just 1.9 percent. In short, the business cycle, while still with us, has lost the harshness of the past. Gone are the bank runs, the financial panics, the deep and drawn out recessions, and the long lines of the unemployed.

Obviously, the GDP accounts are not solely responsible for putting America's economy on a steadier track—as much as I'd like to make that claim. But no question about it: They have had a very positive effect on America's economic well-being, by providing a steady stream of very useful economic data.

And we're always trying to improve our product. Just a few weeks ago, we started treating computer software as an investment instead of an expense. I know Chairman Greenspan is particularly happy about this. And we revised the measure of banking services to incorporate ATM and other electronic transactions. Look at the second chart and you see how our economy has grown. In 1900, GDP was just under \$300 billion. Today, as we enter the new millennium, it is over \$9 trillion. As of February, we will be in the middle of the longest expansion in our history, in war or peace time. And I want to thank Chairman Greenspan for all he has done to help give America this steady, upward growth.

In closing, I want to make a prediction, even though it might be a little risky in front of so many distinguished economists. I cannot say what the size of the economy will be 1 year from today or 100 years from now, but I can say that when we reach the next milestone—\$10 trillion—will depend a lot on our next speaker, Chairman Greenspan.

Remarks by Alan Greenspan Chair, Federal Reserve Board

Thank you very much, Mr. Secretary.

Beside the fact that you leave me speechless, which is a remarkably difficult thing to do, I very much appreciate your comments. Let me just start by saying that we look at the gross domestic product and its predecessor, the gross national product, as a measure of output of goods and services at market prices, and it's a crucially important statistic to get a sense of where the overall economy is and where it has been. Nonetheless, the Department of Commerce has treated the national income accounts, and specifically the GDP, as living documents; that is, an endeavor

to recognize that the American economy is continuously changing. Its nature is being altered by technology and all sorts of other institutional effects. And as a result, how one measures the notion of what is the market value of goods and services produced, of necessity, has been changing over the years. And I must say that it is really quite impressive the extent to which the Department of Commerce has been able to keep up with the various changes that have evolved. For example, clearly the need to have a gross national product to get a sense in World War II of what the capacity of the American economy was so that you could fit defense expenditures and defense production in the system was a crucial issue at that time. And in the subsequent years, there have been many changes. We found, for example, that during the inflationary periods of the 1970's, the notions of what constituted depreciation, and hence profitability, became a serious problem.

And they succeeded in developing such arcane issues as the capital consumption allowance adjustment, which effectively normalized the system and in a very helpful way. They introduced hedonic pricing of computers several years later. And more recently, they introduced chain-type pricing in the GDP accounts, largely because it became very apparent that the growth rates that we were observing in the old constant-dollar data were a function of what particular base period you chose. That clearly was not something that you wanted to hang on, where you had alternate potential definitions of what was going on. Most recently, as the Secretary mentioned, it's become evident that there has been an increasing technological change within our system, which has muddied the distinction between what we call capital investment and current expense. And 20–30 years ago when you built a steel plant, it was perfectly obvious what it was and it was capitalized. And when you consumed coke or ore, it was expensed. But in today's world it has become very much more difficult to figure out whether a particular outlay is expensed and not included in the measure of the GDP, or whether it is capitalized and it is. It's an all-or-nothing operation. And as a consequence of that, having moved to capitalizing the software that is not embodied in the hardware, a major shift in the process of how one evaluates what we're producing is occurring.

And it's only the beginning, because what we see in, for example, differential stock prices company by company, is that those companies that have very large proportions of their outlays,

which are truly for the future of the company and hence by definition capital expenditures, are, for tax and other reasons, expensed. And as a result of that, we are finding increasingly this issue of the dividing line being crucially important between what is expensed and what is capitalized, and it's effectively the market capitalization in the stock market—not its levels, but its difference from company to company—which is telling us that the markets are saying that certain outlays are indeed capital expenditures irrespective of what the accountants call them. And BEA is becoming clearly more oriented to what economists do as value creation as distinct necessarily from what the accountants are doing. There are going to be a lot of problems in the future. There are going to be very great difficulties in deciding how to divide a particular dollar amount of output at market prices into physical volume and into price. The issue is becoming increasingly muddied, but I won't get into this because that will go on for an hour and a half, and we won't come to any particular conclusion.

But let me just say that while the GDP is continuously changing its stripes as the BEA tries to improve on the system, it is still the best measure of market value of goods and services, it is not necessarily a measure of welfare or even a significant measure of standards of living. I think we're all acutely aware of the fact that, for example, there are a number of southern states that use a huge amount of air conditioning in the summer and that appears as output in the GDP. The wonderful breezes you get up in northern Vermont during the summer, which eliminates the requirement for air conditioning, doesn't show up in the GDP. And other things equal, the standards of living are the same, but the GDP will be less in Vermont than it will be in the South, and clearly that is not a measure of welfare. I can go into innumerable examples and recognize the fact that we've had this problem going back a long way. Indeed, one of the very early debates in the construction of the national income accounts was how do you handle the obvious economic product that homemakers produce? Should it be imputed in the system or not? That was one of the big debates at the time, and even in today's market (a homemaker—who used to be called housewives, but now men do it as well, and in increasingly large numbers), somebody who is working at home and producing certain types of obvious goods that are not included in the GDP. But if you go out and you hire somebody to do it, obviously it's a market transaction and the value

of the GDP goes up. It's hard to say that there's been a significant change in standards of living in that particular context.

What is not really readily understood, except by those of us who employ complex computer-based models for forecasting, is how much the total set—the national income and product accounts—reduce forecast error. If you are forced to make the product and income sides of the national accounts balance, there are certain, potentially otherwise credible, scenarios that are immediately ruled out. The consistency-forcing structure of the national accounts has been one of its most significant contributions and least heralded. I'm aware that we've got a statistical discrepancy which creates all sorts of havoc, especially in the short run. But what is really quite extraordinary is how small that number is in a \$9 trillion economy. This is testament to how significantly detailed and analytical the BEA and the practitioners have been in succeeding in considering and solving these problems.

Before concluding, let me comment on one very crucial aspect of the national accounts and the hard-working economists and statisticians who compile them. Though these estimates have a profound influence on markets when published and are the basis for Federal budget projections and political rhetoric, I do not recall a single instance when the integrity of the estimates was called into question by informed observers. This is so despite the fact that, for many of the published preliminary figures, judgmental estimates for data not yet available are made, many of which affect the message of the accounts. It is a testament to the professionalism of the analysts that these judgments are never assumed to be driven by political imperatives. This cannot be said of statistical operations of all countries, and I think it is fair to say that the consequent ability of people to make decisions with greater confidence in the information at their disposal has contributed, in at least a small way, to our nation's favorable economic performance. Just as John Maynard Keynes once said that the ideas of economists and political philosophers are more powerful than is commonly understood, I personally would be inclined to say that the accuracy and conceptual rigor of our underlying data systems are more powerful and important than is commonly understood. Therefore, I can only add my applause for the Commerce Department's many efforts to maintain and improve the national income accounts and express my

hopes that the next century will see the program continuing to advance. Thank you very much.

Remarks by Martin N. Baily Chair, President's Council of Economic Advisers

It is a great pleasure to be here today and to say a few words about the meaning and importance of the GDP data and the national income and product accounts. I would like to make some personal observations, based on the ways in which these data have been important to my work.

I started my career as an academic researcher with a strong interest in macroeconomics, and it is hard to imagine how I, or anyone else, could have talked about the U.S. economy and the business cycle without timely and accurate information about GDP, or GNP as we used back then. One issue that I explored 20 years ago was the extent to which the economy has become more stable over time.

I carried out a series of econometric tests, examining the response of consumption, investment, and inventories to cyclical shocks. But it turned out the most compelling evidence came from simply plotting the growth rate of GNP over time. The resulting chart, subsequently reproduced in the *New York Times*, showed a dramatic decrease in the volatility of GNP in the postwar period.

I argued, as I still believe, that sound and cautiously active monetary and fiscal policy, together with automatic stabilizers, have been important to the increased stability of the macroeconomy. Others have disagreed as to whether policy is really stabilizing and even whether the economy has become more stable. But of course this debate would not have been possible without good historical GNP data.

More recently I, along with a team of researchers, have worked on a number of studies, trying to understand the differences in productivity across countries. This work has been based on the scrutiny of very detailed, micro-level firm and industry data. But each study began with an aggregate analysis that featured GDP per capita as the best overall measure of economic performance across countries. We selected industries to study largely on the basis of whether they would add to our understanding of cross-country GDP per capita differences. By starting with a micro database and building up to tell a macro GDP level story, I believe this work has added to understanding of the reasons for

economic performance differences across countries. It would not have had the same impact or validity without good underlying GDP data.

A major task in my current position is to work with others in preparing the administration's forecast for budget purposes. GDP and its growth over time are the centerpiece of this exercise. We recognize the tremendous uncertainty in trying to predict GDP 10 years into the future and the need to make policy decisions which recognize that uncertainty. But we rely on a solid starting point for our work—the GDP data prepared here at the Department of Commerce.

Working with our forecast, however, makes me realize the need for continued progress. Why was there a slowdown in productivity growth in 1973? Has the trend of productivity growth increased in the 1990s? How is the digital revolution affecting businesses and consumers? Does the rise in the stock market reflect an increase in intangible capital accumulation by companies? These are tough questions, central to any forecast, and finding the answers would be helped by better GDP data.

Major improvements have been made—the shift to chain indexes, the use of better price indexes both by BEA and the Bureau of Labor Statistics and the incorporation of software investment. But more needs to be done to capture a rapidly changing economy where services account for much of GDP, where the digital revolution is in full flight, and where quality changes may be as important as quantity changes. If our statistical agencies are to keep up with the demands of the economy, they need to be adequately funded to support the wealth of commitment and expertise of the people that work there.

My experience as an academic, as an economist in the private profit-making sector, and as a member of the administration tells me that good GDP data are vital to high-quality research, a greater understanding of the U.S. economy, and, ultimately, to sound decision making.

**Remarks by Robert J. Shapiro
Under Secretary of Commerce for
Economic Affairs**


I want to say only a few words, as the proud and lucky head of the Economics and Statistics

Administration. The tradition of excellence exemplified by Simon Kuznets is carried on today by the Bureau of Economic Analysis, including its director Steve Landefeld, his deputy Rosemary Marcuss, the lead analysts of GDP, Bob Parker and Brent Moulton, and others. They are all here today. I salute them.

The national accounts are a living, growing monument to the ability of American economic genius to meet the challenges of every period. In the 1930's, Americans decided that deep depressions had to stop. In response, Kuznets here at the Commerce Department's Division of Economic Research—the predecessor of today's BEA—created the first systematic and comprehensive way of measuring an economy's performance.

When America went to war to be sure that democracy would survive, the Division extended the early accounts to also track production and to produce the first quarterly and annual estimates of GNP, so the government could mobilize the economy for the war effort. After the war, to help manage the Marshall plan and the transition back to a peacetime economy, the Division created new accounts for the balance of payments and began measuring individual industries, sectors, States and regions. Then, as the government assumed its modern role in macroeconomic policy, the BEA extended the national accounts again, to measure capital stock, investment, and other sources of growth. And when stagflation shook the economy, BEA developed new ways of tracking prices and measuring real output.

BEA remains the world's leader and pioneer in measuring what's happening in an economy. And globalization and the IT revolution are central to what's happening now in our economic lives. So 2 months ago, BEA officially revised the national accounts and the existing GDP series—providing new and better ways of measuring international trade, of treating software spending as business investment, of capturing the full output of banks and financial institutions using technologies like ATM's and of tracking the rising quality of IT hardware and software.

No one knows what our GDP will be in the future. We can be confident that whatever it is, we will be able to understand and make the best of it through the great and growing achievement of the national income and product accounts. 

Zvi Griliches, 1930–99

Zvi Griliches and His Contributions to Economic Measurement

IN MARCH 1998, Zvi Griliches opened the Conference on Research in Income and Wealth's meeting on "New Directions in Productivity Analysis" by remembering three economists—Theodore Schultz, Edwin Mansfield, and Edward Denison—who had recently died and who were important in the development of the topic and to his own career.¹ Sadly, we now add Griliches' name to his list of important contributors to economic measurement who are no longer with us.

Griliches was born in Kaunas, Lithuania. In 1941, the Nazis forced his family to resettle in a Jewish ghetto, and in June 1944, the Griliches family was sent to a concentration camp, where his parents died. Educated at Hebrew University in Israel, in 1951, Griliches won a scholarship in agricultural economics to the University of California at Berkeley. After earning an M.S., he moved to the University of Chicago in 1955; there, as a pupil of Theodore Schultz, he earned an M.A. and an Ph.D. in economics and became a tenured faculty member. In 1965, he won the John Bates Clark Medal of the American Economic Association, an award to "that economist under the age of forty who is adjudged to have made a significant contribution to economic thought and knowledge."² In 1969, he moved to Harvard University, where he remained for the rest of his career. In 1975, he served as the president of the Econometric Society and was elected to the National Academy of Sciences. From 1978 until recently, he was Director of the National Bureau of Economic Research's (NBER's) Productivity and Technical Change Program. In 1993, he served as the president of the American Economic Association.

Griliches, an econometrician par excellence, cared deeply about, investigated critically, and devoted much time to assembling large data sets for his econometric models. Data sources and data methodologies were as important to him as econometric techniques. He devoted his presidential address to the January 1994 meeting of the American Economic Association to measurement issues. In this address, he worried that measurement problems have become more severe, positing that "the fraction of the economy for which the productivity numbers are half reasonable had fallen to below one-third" from about one-half

in the early post-World War II period.³ He cataloged data problems that ranged from those affecting price statistics and national accounts estimates to those with the measurement of R&D and with the lack of adequate responses to government surveys. He then went on to speculate why the data were not better in spite of studies by prestigious commissions and committees every decade or so since 1961: Really hard measurement problems, underfunding of statistical agencies who have little clout in Washington, and insufficient "emphasis on the value of data and data collection in our training of graduate students and in the reward structure of our profession."⁴ Even when addressing econometricians, as in his essay "Economic Data Issues" in the *Handbook of Econometrics*, he stressed the importance of data.⁵

Through his research, his participation on various committees and commissions concerned with measurement, and his direct interaction with other scholars and with BEA staff, Griliches had a significant influence on BEA's estimates and programs.

As an economist who recognized the importance of measurement, he studied the methodologies that underlie the estimates of technical change, real output, and productivity. At the macro level, he partnered with Dale Jorgenson to publish estimates of total output, input, and productivity for the U.S. private domestic economy.⁶ These estimates were primarily based on such BEA national accounts estimates as real gross domestic product (GDP), investment, capital stocks, property income, and persons engaged in production. This article led to a debate on productivity measurement concepts and methodology with Edward Denison, who had worked for some 20 years at BEA and who later returned to become BEA's Associate Director for National Economic Accounts. Although BEA does not publish estimates of productivity, BEA recognized the important ramifications of the debate for the underlying national accounts data.⁷ This debate stimulated ongoing work at BEA and the Bureau of Labor Statistics (BLS) on the measurement of capital stocks, depreciation, inventories, prices, and the number and compensation of persons engaged in production.

1. See "Comments" in *New Developments in Productivity Analysis* in the selected bibliography.

2. "John Bates Clark Award, Citation on the Occasion of the Presentation of the Medal to Zvi Griliches, December 29, 1965," *American Economic Review* 56 (May 1966): 6.

3. See "Productivity, R&D, and the Data Constraint" in the selected bibliography.

4. Griliches, "Productivity", 14.

5. See the introduction "Data and econometricians—the uneasy alliance" to "Economic Data Issues" in the selected bibliography.

6. See with Dale W. Jorgenson, "The Explanation of Productivity Change" in the selected bibliography.

7. For a reprint of the debate and additional comments by the participants, see with Dale W. Jorgenson, "The Explanation of Productivity Change" and "Issues in Growth Accounting" in the selected bibliography.

NOTE.—This tribute was prepared by Barbara M. Fraumeni.

At the micro level, Griliches' research focused on hedonic price indexes and quality change, output of hard-to-measure sectors, and the problem of correctly accounting for the introduction of new goods. His pioneering 1961 paper on hedonic prices indexes for automobiles for the Stigler Commission was the catalyst for the subsequent extensive literature on the subject.⁸ Throughout his career Griliches continued to be a major force in the field of hedonics, which allow the use of "regression techniques to relate the prices of different 'models' or versions of a commodity to differences in their characteristics, 'qualities,' and discover thereby the relative valuation of such qualities..."⁹ BEA now uses hedonic-type price indexes to deflate a variety of key components of GDP. Of these, the most widely known is the index for computers and other peripheral equipment, which was originally constructed by a BEA and IBM consortium and is now constructed by BLS and embedded in their consumer price indexes (CPI's) and producer price indexes (PPI's).¹⁰ BEA also uses hedonic price indexes for other high-tech products, such as semiconductors, prepackaged software, and telecommunications equipment.¹¹ The components of personal consumption expenditures (PCE's) are primarily deflated using CPI's, which are adjusted for quality change using a combination of hedonics and other methods. For PCE, hedonic CPI's include those for televisions, apparel, rent, and used cars.¹² Hedonics are also used by the Census Bureau in calculating price indexes for single-family and multifamily structures that are used by BEA in the preparation of estimates of real gross private domestic investment.¹³ Without the introduction of hedonics that was championed by Griliches, BEA's measure of real GDP would be significantly different.

In addition, Griliches also worried about difficult-to-measure sectors, particularly the service sectors. He highlighted the importance of focusing on these sectors, prompting BEA to help sponsor a Brookings Institution workshop series on measurement in these sectors. As part of the recent comprehensive revision of the national income and product accounts, BEA introduced improved estimates of the real value of unpriced bank services. BEA is currently developing estimates of gross output for a number of

additional industries and expects to examine the measurement of activities in other service industries, such as insurance.¹⁴

Most recently, Griliches, along with Ernst Berndt, was researching the measurement problems arising from the introduction of new goods. This research, partly funded by BEA, emphasized the introduction of computers that embody new technologies and of other new products such as pharmaceuticals.

Griliches' work on various committees is a major part of his legacy to economic measurement. In 1995-96, the most recent of his frequent involvements in reviews of measurement problems, he served on the U.S. Senate Finance Committee's Advisory Commission to Study the Consumer Price Index.¹⁵ Earlier, Griliches had served on several National Academy Sciences committees: The Committee on Ability Testing in 1978-82, the Committee on National Statistics in 1979-82, and the Committee on Science, Engineering, and Public Policy in 1984-88. For the American Economic Association, he was a member of the U.S. Census Advisory Committee in 1970-72 and in 1981-83 and a member of the Committee on the Quality of Economic Statistics in 1988-89. In addition, he served on the Secretary of Commerce's Advisory Committee on Industrial Innovation in 1978-80, on the Statistics Canada Price Measurement Advisory Committee in 1995, and on the Executive Committee of the Conference on Research in Income and Wealth beginning in 1978. Most recently, he was asked to serve on the new BEA Advisory Committee, which is now being formed.

The full extent of Griliches' impact on economic measurement may be difficult to assess because many economists have been influenced by his research and by direct interaction with him. For example, Griliches was an omnipresent force at the NBER Productivity Meetings. He could be depended upon to astutely assess the strengths and weaknesses of any paper or research proposal, including his own. Typically, he would smile broadly and then offer comments that would spark critical debate. Arguably, it was through these meetings that he exerted the greatest effect on the research programs and agendas undertaken by those from both within and outside the Harvard community.

Griliches' presence and his advice will be sorely missed, but his influence on economic measurement will continue through the researchers he has trained to value data and measurement methodology.

8. See "Hedonic Price Indexes for Automobiles: An Econometric Analysis of Quality Change" in the selected bibliography.

9. See "Hedonic Price Indexes and the Measurement of Capital and Productivity: Some Historical Reflections" in the selected bibliography.

10. Rosanne Cole, Y.C. Chen, Joan A. Barquin-Stolleman, Ellen Dulberger, Nurhan Helvacian, and James H. Hodge, "Quality-Adjusted Price Indexes for Computer Processors and Selected Peripheral Equipment," *SURVEY* 66 (January 1986): 41-50.

11. Bruce T. Grimm, "Price Indexes for Selected Semiconductors, 1974-96," *SURVEY* 78 (February 1998): 8-24; for software, see Brent R. Moulton, Robert P. Parker, and Eugene P. Seskin, "A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts: Definitional and Classificational Changes," *SURVEY* 79 (August 1999): 7-20.

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14. Brent R. Moulton and Eugene P. Seskin, "A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts: Statistical Changes," *SURVEY* 79 (October 1999): 6-17.

15. Michael Boskin, Ellen Dulberger, Robert Gordon, and Dale W. Jorgenson, *Final Report of the Advisory Commission to Study the Consumer Price Index* (Washington, DC: U.S. Government Printing Office, December 1996): 104-172.

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Real Inventories, Sales, and Inventory-Sales Ratios for Manufacturing and Trade, 1977:I–1999:III

THIS REPORT PRESENTS revised estimates of real inventories, sales, and inventory-sales (I-S) ratios for manufacturing and trade, quarterly beginning with 1977 and monthly beginning with 1997.¹ I-S ratios are used to assess the likelihood that businesses will add to (or reduce) inventories in response to changes in demand. Variations and trends in I-S ratios are closely monitored by business cycle analysts and economic forecasters.

The inventories used in computing I-S ratios are on a “pre-last-in-first out,” or “pre-LIFO,” basis from data reported to the Bureau of Census and on a current-dollar replacement-cost basis and a real basis, as estimated by BEA as part of the gross domestic product (GDP) estimates. The Census Bureau’s estimates are based on inventories reported by companies, which use a variety of accounting methods. BEA’s current-dollar estimates are based on a revaluation of the Census Bureau’s estimates to a consistent replacement-

cost basis; BEA’s real estimates are based on inventories that are valued in chained (1996) dollars.

Tables 1, 2, and 3 show chain-weighted quarterly and monthly estimates of real inventories, sales, and I-S ratios, respectively.² Table 4 shows manufacturing inventories by stage of fabrication. These estimates supplement the quarterly current-dollar and real ratios of inventories to final sales for domestic business, nonfarm business, and goods and structures that are presented in tables 5.12 and 5.13 of the national income and product accounts (NIPA’s), as well as the Census Bureau’s monthly inventory, sales, and I-S ratios for manufacturing and trade series.

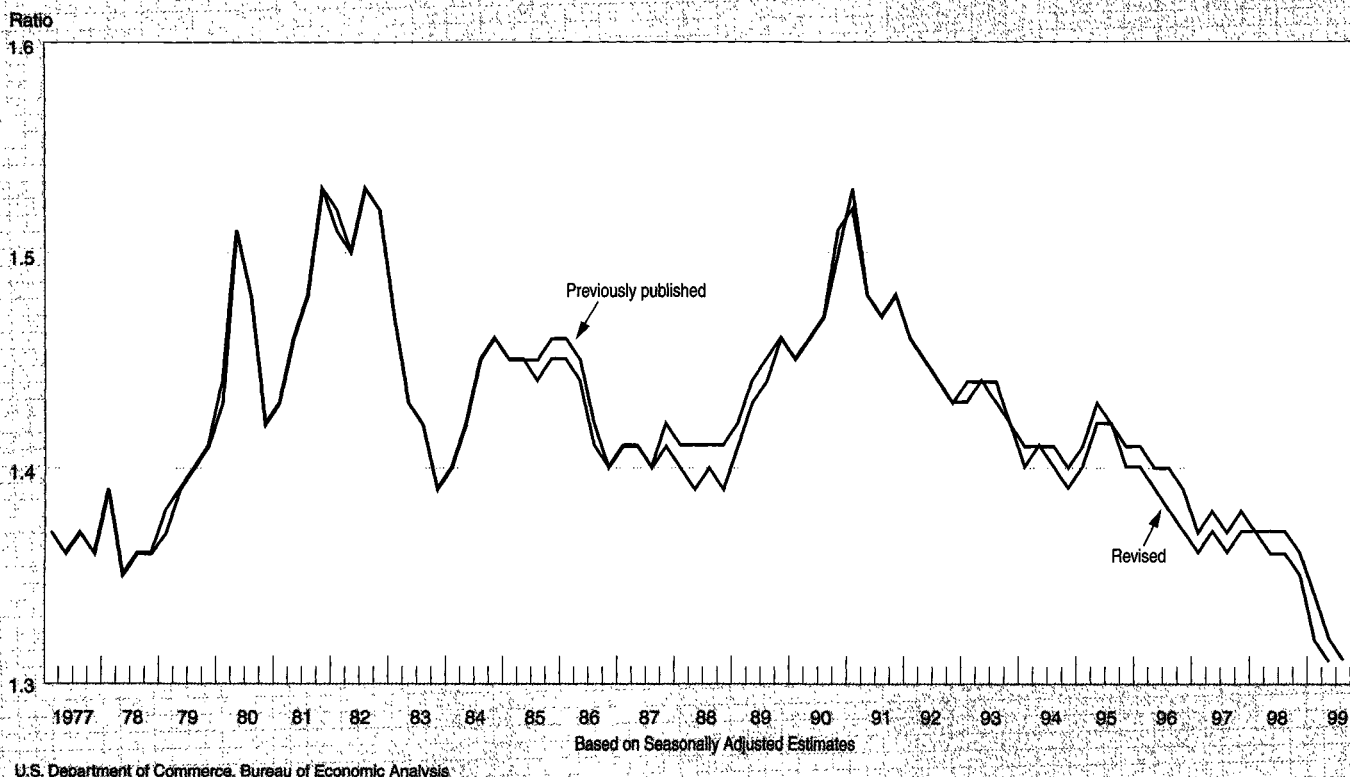
The inventory estimates for manufacturing, merchant wholesalers, and retailers that are presented in this report are those that were released as part of the comprehensive revision of the NIPA’s in October 1999; they also appear in NIPA tables 5.12 and 5.13 in this issue. The sales estimates incorporate the Census

1. This set of tables was last published in the October 1998 issue of the SURVEY OF CURRENT BUSINESS.

2. “Real” estimates are in chained (1996) dollars.

CHART 1

Real Inventory-Sales Ratios for Manufacturing and Trade



Bureau series available at the time of the release of the comprehensive revision.

The revisions to the inventory and sales estimates primarily reflect the incorporation of the following new source data and methodology:

- Revised prices and unit labor costs;
- For real inventories, incorporation of BEA's semiconductor price index and an improved price index for computer parts;
- Revised wholesale and retail trade data benchmarked to preliminary estimates from the 1997 Censuses of Wholesale Trade and Retail Trade;
- A shift in base period from 1992 to 1996;
- Updated commodity weights (information on commodity inventories within each type of business) and turnover periods (average time that inventories are held by businesses) used in calculating inventory prices; and
- Updated commodity distribution of retail sales derived using preliminary estimates from the 1997 Census of Retail Trade by kind of business and final estimates of merchandise line sales from the 1992 Census of Retail Trade.


The revisions to the I-S ratios for manufacturing and trade were small for 1977-99 (chart 1).³ The

3. For 1959-76, the revisions were somewhat larger. These revisions reflected price corrections that resulted in upward revisions to sales that more than offset upward revisions to inventories.

shift in base period from 1992 to 1996 resulted in upward revisions to both sales and inventories of about equal percentage magnitude. (Changing to a more recent base period usually raises the level of the "real" measures.) The revisions primarily reflect the incorporation of the new (or improved) source data and methodology listed above.⁴

Table A compares the revised ratios for 1981-98 with some other available I-S ratios. All of the current-dollar I-S ratios in table A show a clear downtrend from their 1981-82 recession peaks. By the late 1990's, the ratios are at historically low levels.

The real ratios present a mixed picture. The ratios for domestic business and nonfarm business also show a declining trend, albeit a more moderate one than that for the current-dollar ratios. In contrast, the ratio for nonfarm inventories to final sales of goods and structures and the ratio for manufacturing and trade inventories to sales appear to follow a more cyclical pattern, reaching peaks in the recession periods of 1981-82 and 1990-91.

Tables 1 through 4 follow. 

4. For details on the effects of the definitional and classificational revisions, see Brent R. Moulton, Robert P. Parker, and Eugene P. Seskin, "A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts: Definitional and Classificational Changes," SURVEY 79 (August 1999): 7-20; and Eugene P. Seskin, "Improved Estimates of the National Income and Product Accounts for 1959-98: Results of the Comprehensive Revision," SURVEY 79 (December 1999): 15-43. For details on the statistical revisions, see Brent R. Moulton and Eugene P. Seskin, "A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts: Statistical Changes," SURVEY 79 (October 1999): 6-17.

Table A.—Alternative Inventory-Sales Ratios: Fourth Quarters, 1981-98

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Based on current dollars																		
Using replacement-cost private inventories (NIPA table 5.12):																		
Inventories to final sales of domestic business	3.39	3.21	2.99	3.03	2.85	2.64	2.68	2.65	2.62	2.60	2.46	2.36	2.30	2.34	2.33	2.25	2.22	2.14
Nonfarm inventories to final sales of domestic business	2.92	2.74	2.59	2.64	2.50	2.34	2.39	2.37	2.35	2.34	2.24	2.13	2.09	2.13	2.15	2.06	2.04	1.99
Nonfarm inventories to final sales of goods and structures ...	4.59	4.46	4.21	4.31	4.17	3.94	4.08	4.07	4.06	4.11	4.03	3.85	3.79	3.86	3.91	3.76	3.73	3.61
Using pre-LIFO inventories (Census Bureau):																		
Manufacturing and trade ¹ .....	.....	1.68	1.50	1.56	1.55	1.52	1.50	1.48	1.54	1.54	1.52	1.45	1.44	1.40	1.43	1.39	1.37	1.38
Based on chained (1996) dollars																		
Using real private inventories (NIPA table 5.13):																		
Inventories to final sales of domestic business	2.72	2.66	2.48	2.55	2.51	2.43	2.43	2.36	2.37	2.39	2.38	2.30	2.28	2.33	2.31	2.26	2.29	2.30
Nonfarm inventories to final sales of domestic business	2.36	2.28	2.18	2.25	2.19	2.13	2.16	2.14	2.15	2.17	2.16	2.08	2.09	2.12	2.13	2.07	2.10	2.12
Nonfarm inventories to final sales of goods and structures ...	4.25	4.18	3.94	4.02	3.98	3.86	3.95	3.90	3.92	4.00	4.06	3.89	3.85	3.89	3.88	3.77	3.80	3.77
Manufacturing and trade	1.53	1.52	1.39	1.46	1.45	1.40	1.42	1.41	1.46	1.51	1.48	1.43	1.42	1.39	1.40	1.37	1.37	1.36

1. Inventory book values published by the Census Bureau include last-in, first-out (LIFO) reserve and are valued at current cost. See Census Bureau release, "Manufacturing and Trade: Inventories and Sales."

NOTE.—The fourth-quarter ratios are calculated as end-of-quarter inventories divided by quarterly sales at monthly rates, with the exception of the current-dollar ratios for manufacturing and trade, which are calculated as averages of the monthly ratios published by the Census Bureau.

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

	1977				1978				1979				1980				1981			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	578.0	584.4	594.6	601.1	611.8	621.9	627.6	639.4	647.0	655.4	657.3	660.1	665.2	667.8	663.4	662.8	669.8	671.5	677.5	679.3
Manufacturing	310.1	312.4	316.5	317.9	319.3	323.9	327.8	332.5	335.8	339.5	342.0	345.3	350.4	351.9	346.3	345.7	349.3	349.2	351.8	350.3
Durable goods	189.7	190.1	192.1	193.3	195.3	199.2	202.3	205.9	209.8	213.6	215.5	219.0	221.1	221.7	218.7	219.0	221.2	220.4	222.7	220.9
Primary metal industries	31.7	31.8	31.6	31.0	29.8	30.3	30.7	31.0	29.9	30.4	30.7	31.2	30.8	31.5	30.1	30.2	31.5	31.0	32.1	32.6
Fabricated metal products	26.0	26.2	26.9	26.9	27.4	27.8	28.0	28.1	28.6	28.9	28.8	28.7	28.8	28.1	27.5	27.9	27.4	27.1	27.3	26.9
Industrial machinery and equipment	29.4	29.4	29.4	30.2	30.9	31.8	32.4	33.6	34.5	35.3	36.1	36.9	37.6	38.5	38.6	38.5	38.6	38.4	39.0	39.1
Electronic and other electric equipment	18.1	18.8	19.1	19.6	20.3	21.2	21.7	22.0	22.8	23.4	24.0	25.0	25.6	25.5	25.3	25.3	25.8	26.3	26.8	26.5
Transportation equipment	49.0	48.3	49.5	49.3	49.8	50.6	51.4	52.6	54.8	56.1	56.9	57.8	58.0	57.4	56.6	56.5	57.0	56.5	55.7	54.2
Motor vehicles and equipment	16.1	16.7	17.1	17.2	17.1	17.3	17.8	17.8	19.3	18.8	18.5	17.2	16.2	15.1	14.3	14.2	13.9	13.4	13.2	12.3
Other transportation equipment	32.1	30.7	31.4	31.2	31.7	32.4	32.6	33.9	34.4	36.4	37.5	39.9	41.2	41.8	42.0	41.9	42.8	42.8	42.3	41.7
Other durable goods ¹	39.4	39.5	39.7	40.1	40.7	40.9	41.5	42.0	42.7	43.0	42.5	42.7	43.3	43.3	42.8	43.0	43.2	43.3	43.7	43.1
Nondurable goods	120.2	122.3	124.5	124.6	123.7	124.4	125.0	126.0	125.0	124.6	125.2	124.8	128.0	128.9	126.3	125.2	126.7	127.4	127.7	128.1
Food and kindred products	29.5	30.2	30.7	29.4	28.9	29.0	29.2	29.5	29.7	30.2	30.0	30.0	30.4	30.2	29.9	29.5	29.9	30.1	30.3	30.0
Paper and allied products	9.7	9.8	10.0	10.0	10.0	10.2	10.3	10.2	10.1	10.3	10.2	10.4	10.8	11.1	11.0	10.8	11.0	10.9	11.1	11.2
Chemicals and allied products	26.2	26.6	27.4	27.9	28.1	28.4	28.7	28.9	28.1	27.8	28.0	28.1	29.3	29.6	28.5	28.7	28.9	29.4	29.5	29.7
Petroleum and coal products	9.5	10.0	10.2	10.4	9.9	9.7	9.6	9.8	9.2	9.1	9.6	9.9	10.4	10.8	10.8	10.4	10.6	10.8	10.4	10.4
Rubber and miscellaneous plastic products	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7	10.7	10.4	10.5	10.0	9.7	9.9	10.0	10.1	10.3	10.1
Other nondurable goods ²	35.5	35.8	35.9	36.7	36.6	36.9	36.9	37.0	37.3	36.6	36.6	35.8	36.4	36.6	35.8	35.5	35.9	35.5	35.9	36.5
Merchant wholesalers	112.3	114.6	118.3	121.5	127.4	130.5	131.4	135.3	139.3	140.5	142.3	142.5	143.8	146.0	148.5	149.4	151.8	150.5	150.9	153.1
Durable goods	72.3	73.9	75.8	78.0	81.9	84.3	85.3	88.0	90.0	90.5	92.4	92.4	93.4	95.2	95.4	97.4	98.7	100.1	99.5	100.6
Nondurable goods	39.5	40.2	42.0	43.0	44.9	45.7	45.5	46.7	48.7	49.4	49.3	49.5	49.8	50.2	52.4	51.3	52.4	49.8	50.8	51.8
Groceries and farm products	17.5	17.9	18.7	19.6	20.5	20.4	19.5	19.2	19.8	20.7	20.5	20.3	20.0	20.2	21.1	20.0	20.0	18.5	18.6	19.1
Other nondurable goods	21.9	22.2	23.1	23.1	24.2	25.1	25.9	27.4	28.9	28.7	28.8	29.2	29.8	30.0	31.3	31.3	32.4	31.3	32.2	32.7
Retail trade	147.6	149.5	151.9	153.9	157.9	160.2	160.9	164.1	164.4	167.9	165.2	164.1	162.2	161.1	160.3	159.5	160.3	163.8	166.7	168.4
Durable goods	82.4	83.5	85.6	87.2	89.7	90.0	90.0	93.1	94.6	97.6	94.7	92.8	90.2	87.3	85.3	84.7	84.0	86.9	87.4	87.7
Motor vehicle dealers ³	45.3	46.4	48.0	49.8	51.2	50.3	49.8	53.2	55.0	58.2	55.0	53.3	50.4	47.3	45.5	45.4	38.6	41.6	41.7	41.2
Other durable goods ³	37.3	37.4	38.0	37.9	39.0	40.0	40.4	40.5	40.4	40.4	40.4	40.1	40.1	40.1	39.7	39.3	44.9	45.1	45.5	46.2
Nondurable goods	65.7	66.4	66.8	67.3	68.8	70.7	71.5	71.6	70.5	71.1	71.3	71.9	72.6	74.2	75.3	75.1	76.5	77.1	79.5	80.8
Food stores	15.2	15.4	15.4	15.5	15.5	15.6	15.7	15.6	15.7	15.6	16.2	16.5	16.6	17.2	16.9	17.2	18.0	17.9	18.6	18.7
Other nondurable goods	50.4	50.9	51.4	51.8	53.3	55.2	55.8	56.0	54.8	55.6	55.0	55.4	55.9	57.0	58.4	57.9	58.5	59.2	60.9	62.1

	1982				1983				1984				1985				1986			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	670.3	668.8	668.4	657.5	648.3	650.6	659.4	670.0	689.6	707.4	724.8	736.1	737.4	741.6	744.0	751.5	758.9	762.6	761.5	759.2
Manufacturing	346.8	342.6	340.6	334.6	325.7	327.2	330.1	334.2	340.9	352.1	361.9	363.2	361.0	360.7	358.5	356.9	355.1	355.4	352.6	353.1
Durable goods	217.1	216.0	213.7	208.3	201.4	202.3	202.7	206.1	210.4	217.7	225.1	228.1	227.0	226.8	225.5	222.4	221.2	220.4	218.6	217.2
Primary metal industries	32.2	30.4	29.5	28.0	26.5	26.4	25.9	26.1	26.4	27.2	27.6	26.7	25.5	24.8	24.3	23.5	23.0	22.7	21.6	21.9
Fabricated metal products	26.4	26.3	26.0	24.3	23.8	24.1	24.5	24.7	25.1	25.5	25.8	26.1	25.8	25.3	25.3	25.9	25.7	26.0	25.9	25.8
Industrial machinery and equipment	38.7	38.6	37.7	36.2	34.9	34.7	34.4	34.3	34.4	35.4	36.3	36.8	36.7	36.6	36.1	35.2	34.9	34.3	34.1	33.9
Electronic and other electric equipment	25.9	25.8	25.6	25.3	24.6	25.1	25.2	26.4	26.8	27.6	28.8	29.4	29.3	29.3	28.7	27.8	27.4	27.5	27.4	26.8
Transportation equipment	52.8	53.7	54.3	55.4	52.7	52.7	52.6	54.2	56.6	59.5	62.9	64.2	63.4	63.9	64.3	63.3	63.7	63.3	62.4	61.1
Motor vehicles and equipment	11.8	11.7	11.4	10.9	10.9	11.3	11.7	12.5	13.0	13.2	13.7	13.8	13.6	13.7	13.8	13.6	13.3	13.1	12.7	12.9
Other transportation equipment	40.8	41.9	42.9	44.5	41.8	41.4	40.9	41.6	43.6	46.2	49.2	50.3	49.8	50.1	50.4	49.7	50.4	50.2	49.7	48.2
Other durable goods ¹	42.5	42.5	42.3	41.4	40.9	41.4	42.1	42.9	43.9	45.2	46.6	47.6	48.3	48.9	49.2	49.2	49.2	49.4	49.6	50.1
Nondurable goods	128.6	125.3	125.7	125.4	123.6	124.2	127.0	127.4	129.9	133.7	135.9	133.7	132.6	132.4	131.5	133.5	132.9	134.2	133.2	135.5
Food and kindred products	29.2	28.5	29.3	29.6	29.2	28.5	28.9	28.7	29.0	29.1	28.9	28.9	28.9	29.0	29.3	29.4	29.1	29.1	28.9	29.2
Paper and allied products	11.5	11.4	11.5	11.3	11.2	11.3	11.4	11.7	11.8	12.2	12.7	12.8	13.1	12.9	12.7	12.9	13.0	13.1	13.2	13.2
Chemicals and allied products	29.6	28.9	28.4	27.7	27.3	27.5	28.1	28.7	29.4	31.0	32.1	31.3	30.8	31.4	31.7	31.3	31.2	31.7	31.4	32.3
Petroleum and coal products	11.2	10.1	10.6	10.9	10.9	10.6	10.9	10.4	10.7	11.0	11.1	10.6	10.3	10.1	8.9	10.0	9.5	10.6	10.3	11.0
Rubber and miscellaneous plastic products	9.8	9.7	9.5	9.4	9.2	9.5	9.7	9.9	10.2	10.7	10.8	10.6	10.6	10.6	10.8	10.9	11.1	11.0	10.8	11.0
Other nondurable goods ²	36.3	36.5	36.0	35.7	34.9	36.3	37.3	37.9	38.4	39.3	40.1	39.6	39.0	38.6	38.8	39.2	39.3	39.0	38.7	38.9
Merchant wholesalers	151.5	154.5	153.5	151.7	150.5	147.2	149.9	152.6	156.7	159.4	165.7	168.2	171.0	172.9	174.7	176.9	180.2	183.1	188.5	185.9
Durable goods	100.8	102.1	101.1	98.3	95.7	93.7	95.3	97.5	100.6	102.7	106.8	108.9	109.9	110.8	110.7	111.8	113.6	116.1	118.7	116.5
Nondurable goods	50.0	51.7	51.7	52.8	54.3	53.1	54.1	54.6	55.5	56.1	58.3	58.6	60.5	61.8	63.5	64.7	66.2	66.5	69.4	69.1
Groceries and farm products	18.6	19.4	19.5	21.4	22.0	21.2	22.8	22.0	22.3	22.1	23.2	23.4	24.3	24.4	25.9	27.3	28.1	28.0	29.0	27.9
Other nondurable goods	31.5	32.4	32.2	31.7	32.5	32.3														

Table 1.—Real Manufacturing and Trade Inventories, Seasonally Adjusted, End of Period—Continued

(Billions of chained (1996) dollars)

	1987				1988				1989				1990				1991			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	769.6	777.9	779.5	796.5	802.7	811.7	820.1	830.0	841.5	851.5	855.0	862.4	864.4	873.3	879.3	878.2	873.8	868.2	870.9	876.7
Manufacturing	353.1	354.2	356.8	361.6	365.0	368.6	371.3	378.5	383.3	389.0	392.4	392.7	396.8	398.7	401.7	401.6	400.4	396.1	394.9	394.9
Durable goods	216.8	217.8	219.4	222.4	224.5	226.7	229.0	234.5	238.8	242.0	243.8	244.6	246.8	248.0	249.6	249.4	247.0	243.4	242.0	240.1
Primary metal industries	21.0	20.8	21.2	21.6	22.2	21.9	22.5	22.9	23.4	24.0	23.9	23.7	23.4	23.5	23.8	23.7	23.9	23.6	23.4	23.1
Fabricated metal products	26.1	25.8	26.0	26.0	26.0	26.0	26.6	26.7	27.1	26.8	27.2	26.7	27.0	26.5	26.5	26.3	26.2	25.5	25.4	25.5
Industrial machinery and equipment	33.7	34.1	33.9	34.6	35.2	35.8	36.6	37.2	37.8	38.3	38.5	38.7	38.7	38.8	38.6	38.4	38.6	38.1	38.0	37.5
Electronic and other electric equipment	27.0	27.1	27.2	27.6	27.3	27.2	27.4	27.9	28.0	28.0	28.5	29.0	29.2	29.1	29.1	28.7	28.3	28.1	28.0	28.0
Transportation equipment	61.2	61.3	62.6	63.8	65.0	67.5	67.4	69.6	71.7	73.4	74.3	76.6	77.6	79.3	80.5	81.8	80.6	78.8	77.8	75.9
Motor vehicles and equipment	12.9	12.9	13.0	13.2	13.1	13.2	13.0	13.2	13.5	13.5	13.6	13.2	12.9	13.3	13.3	13.9	13.8	13.4	13.5	13.6
Other transportation equipment	48.2	48.4	49.6	50.5	51.9	54.3	54.4	56.4	58.2	60.0	60.7	63.5	64.8	66.2	67.3	68.0	66.9	65.5	64.5	62.4
Other durable goods ¹	50.2	50.7	50.9	51.2	51.2	50.9	51.1	52.7	53.5	54.1	54.1	53.0	53.9	54.1	54.6	54.2	53.1	52.7	52.9	53.4
Nondurable goods	136.1	136.0	137.1	138.8	140.2	141.5	141.8	143.4	143.5	146.1	147.7	147.2	149.0	149.8	151.2	151.4	152.6	152.2	152.4	154.5
Food and kindred products	29.5	30.2	30.2	30.2	30.2	30.7	30.0	30.9	30.8	31.2	31.9	32.3	32.3	32.5	33.5	33.5	33.6	33.4	33.8	34.2
Paper and allied products	13.7	13.7	13.6	13.7	13.5	13.5	13.8	14.1	13.9	14.3	14.6	14.6	14.7	14.9	14.8	14.9	15.3	15.1	15.1	15.6
Chemicals and allied products	31.6	31.2	31.6	32.4	33.1	32.8	33.4	34.0	34.9	35.6	36.1	35.6	35.7	36.3	36.7	37.2	37.8	37.7	37.7	38.1
Petroleum and coal products	10.6	10.3	10.7	11.2	11.8	11.9	11.7	11.5	11.6	12.1	11.7	11.3	12.4	12.1	11.7	11.9	12.3	12.4	12.4	12.4
Rubber and miscellaneous plastic products	11.0	11.1	11.3	11.4	11.4	11.6	11.9	12.0	12.4	12.4	12.6	12.4	12.4	12.7	13.0	13.2	13.2	13.3	13.3	13.4
Other nondurable goods ²	39.8	39.8	39.7	40.1	40.4	41.1	41.2	41.0	40.1	40.6	40.9	41.0	41.5	41.3	41.5	41.0	40.9	40.5	40.3	41.0
Merchant wholesalers	186.8	189.4	189.3	194.5	199.2	201.9	204.8	203.1	202.4	205.8	206.0	207.0	208.3	211.9	214.5	215.2	217.4	215.2	216.1	220.4
Durable goods	117.2	119.4	118.1	121.5	125.0	124.2	128.2	126.9	126.9	129.7	129.3	129.3	130.0	131.4	133.5	132.8	134.2	131.4	130.7	133.9
Nondurable goods	69.3	69.6	71.0	72.8	73.9	77.8	76.4	76.0	75.2	75.8	76.4	77.8	78.1	80.4	80.9	82.3	83.3	84.0	85.6	86.7
Groceries and farm products	27.5	27.9	28.6	28.7	29.1	31.8	31.0	29.6	28.3	27.7	27.7	29.8	29.5	29.8	30.3	32.0	32.4	32.5	34.1	33.6
Other nondurable goods	42.0	41.9	42.7	44.3	45.0	46.2	45.6	46.6	47.1	48.1	48.7	48.2	48.7	50.6	50.6	50.8	51.1	51.6	51.8	53.3
Retail trade	228.5	233.5	232.4	239.7	237.6	240.4	243.3	247.4	255.0	255.6	255.4	261.9	258.1	261.7	262.0	260.2	254.7	255.9	259.0	260.8
Durable goods	122.9	126.2	124.4	130.4	126.6	129.4	131.6	135.9	141.8	139.8	138.0	143.3	139.2	142.3	143.4	142.0	135.3	135.8	138.1	136.9
Motor vehicle dealers ³	65.6	66.6	64.3	68.5	63.5	65.9	66.9	70.6	76.3	73.5	70.2	75.6	70.3	72.7	74.5	74.0	68.3	69.1	71.0	69.8
Other durable goods ³	57.5	59.8	60.2	62.0	63.0	63.5	64.7	65.4	65.8	66.4	67.7	67.9	68.9	69.6	68.9	68.1	66.9	66.7	67.1	67.1
Nondurable goods	105.9	107.5	108.3	109.6	111.3	111.3	111.9	111.8	113.6	116.2	117.7	118.9	119.1	119.7	119.0	118.6	119.5	120.2	121.1	123.9
Food stores	23.8	23.8	23.5	23.5	24.2	24.4	24.5	24.8	24.9	25.3	25.8	26.3	26.4	26.8	27.0	27.1	27.5	27.6	27.4	27.6
Other nondurable goods	82.2	83.8	84.8	86.2	87.0	86.9	87.4	87.0	88.7	90.9	92.0	92.7	92.8	93.0	92.1	91.5	92.1	92.6	93.7	96.4

	1992				1993				1994				1995				1996			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	873.8	877.4	880.7	885.4	896.9	902.9	907.7	911.1	917.2	932.7	943.3	958.8	974.2	985.3	992.7	996.4	997.1	1,001.7	1,009.4	1,016.4
Manufacturing	392.4	390.7	392.5	390.1	390.8	393.3	394.6	393.7	396.4	399.5	402.1	405.8	411.1	415.0	418.1	419.9	424.2	423.3	426.8	430.0
Durable goods	237.4	235.5	235.0	232.3	232.5	234.1	235.7	236.0	238.0	240.7	242.2	244.9	248.0	250.3	253.2	255.6	259.5	260.1	263.3	265.1
Primary metal industries	22.9	22.8	22.9	22.5	22.6	22.7	23.0	23.2	22.9	22.9	22.8	23.1	23.1	23.3	23.0	22.8	23.2	23.2	23.6	23.9
Fabricated metal products	25.6	25.7	26.0	25.5	25.6	25.3	25.7	25.4	25.2	25.5	26.0	26.3	26.9	27.3	27.1	26.7	27.2	27.0	27.6	28.0
Industrial machinery and equipment	37.2	37.4	38.2	38.3	37.8	38.8	39.9	41.0	42.5	43.5	44.6	45.6	47.9	49.2	50.6	52.7	54.4	54.2	54.7	54.4
Electronic and other electric equipment	28.3	28.5	28.7	28.7	29.1	29.6	29.8	30.2	31.1	32.1	33.2	34.3	35.7	36.4	37.9	38.6	38.7	39.4	39.8	40.2
Transportation equipment	73.3	70.2	68.0	66.2	66.2	66.3	65.8	64.6	64.1	64.8	63.5	63.2	61.7	60.5	59.8	58.9	59.6	59.5	59.8	61.0
Motor vehicles and equipment	13.6	13.7	14.2	13.6	13.8	14.0	14.2	14.5	14.5	15.0	15.2	15.7	15.8	15.8	15.5	15.8	16.3	15.7	15.8	15.8
Other transportation equipment	59.8	56.6	53.8	52.6	52.4	52.3	51.7	50.1	49.6	49.8	48.3	47.5	45.9	44.6	44.3	43.1	43.3	43.8	44.0	45.2
Other durable goods ¹	53.2	53.6	53.5	53.1	53.3	53.3	53.3	53.2	53.4	53.1	53.1	53.2	53.3	54.2	55.0	56.0	56.5	56.8	57.8	57.6
Nondurable goods	154.9	155.2	157.7	158.3	158.7	159.7	159.2	158.0	158.6	159.0	160.0	161.0	163.2	164.7	165.0	164.3	164.6	163.2	163.5	164.8
Food and kindred products	34.4	34.7	35.3	35.2	35.1	35.5	34.7	34.4	34.4	34.9	35.6	35.4	35.9	35.9	36.1	36.3	36.3	35.7	36.1	36.7
Paper and allied products	15.7	15.7	15.9	15.7	15.8	15.6	15.6	15.6	15.6	15.8	15.7	15.4	15.6	16.0	16.1	16.1	16.5	16.4	16.5	16.3
Chemicals and allied products	38.3	38.3	39.0	39.5	39.6	39.5	39.8	39.5	39.7	39.6	39.4	39.8	39.7	40.7	41.3	41.1	41.4	41.5	41.8	42.2
Petroleum and coal products	12.2	12.1	12.2	12.2	12.2	12.1	11.9	11.8	12.0	11.8	12.0	12.4	12.6	12.6	12.2	12.3	12.4	12.2	12.1	12.0
Rubber and miscellaneous plastic products	13.1	13.2	13.4	13.8	13.7	13.9	14.0	14.0	14.2	14.2	14.7	14.9	15.3	15.3	15.2	15.2	15.5	15.5	15.7	15.8
Other nondurable goods ²	41.2	41.2	42.0	42.0	42.4	43.0	43.2	42.6	42.6	42.7	42.7	43.1	44.2	44.2	44.1	43.2	42.5	41.8	41.3	41.8
Merchant wholesalers	221.1	224.0	224.8	229.5	230.8	232.3	235.1	236.3	235.8	240.7	245.0	251.5	256.1	258.9	261.8	262.9	263.0	264.5	262.9	265.4
Durable goods	132.8	135.6	136.5	138.3	138.9	139.2	141.1	142.4	142.1	146.7	149.6	153.6	157.5	159.8	161.4	164.5	165.1	165.9	167.7	168.1
Nondurable goods	88.6	88.6	88.4	91.6	92.3	93.4	94.4	94.2	94.0	94.2	95.6	98.1	98.7	99.2	100.5	98.4	97.8	98.6	95.1	97.3
Groceries and farm products	33.9	34.0	33.8	35.1	35.7	36.0	34.6	34.9	34.8	34.5	34.5	35.6	34.9	34.6						

Table 1.—Real Manufacturing and Trade Inventories, Seasonally Adjusted, End of Period—Continued
[Billions of chained (1996) dollars]

	1997				1998				1999			1997							1998	
	I	II	III	IV	I	II	III	IV	I	II	III	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.
Manufacturing and trade	1,026.8	1,044.2	1,055.7	1,071.0	1,092.2	1,101.0	1,116.8	1,127.4	1,134.0	1,135.6	1,145.3	1,044.2	1,048.1	1,049.2	1,055.7	1,061.8	1,066.7	1,071.0	1,075.8	1,085.2
Manufacturing	435.7	443.1	447.4	452.1	461.6	468.6	474.2	477.2	477.2	475.1	475.5	443.1	445.2	446.8	447.4	450.8	452.3	452.1	455.3	459.7
Durable goods	269.1	274.3	276.9	279.3	285.6	291.2	294.6	296.2	296.7	295.1	295.5	274.3	276.3	277.1	276.9	279.1	279.8	279.3	281.7	284.3
Primary metal industries	23.8	23.7	23.8	24.1	24.1	24.6	25.2	25.4	24.8	24.6	24.3	23.7	23.8	23.9	23.8	23.8	23.9	24.1	24.3	24.0
Fabricated metal products	28.6	28.9	29.2	29.3	30.3	30.7	31.2	31.3	31.8	31.7	31.9	28.9	29.0	29.0	29.2	29.3	29.3	29.3	29.5	29.9
Industrial machinery and equipment	55.4	56.8	57.6	58.6	60.2	61.0	62.0	62.5	63.6	63.2	63.7	56.8	57.4	57.6	57.6	58.1	58.3	58.6	58.6	59.9
Electronic and other electric equipment	40.0	40.8	41.4	42.1	43.2	42.5	42.2	42.4	43.3	44.1	44.6	40.8	41.5	41.5	41.4	41.6	41.9	42.1	42.6	43.0
Transportation equipment	63.2	65.0	65.2	65.2	67.0	70.8	71.8	72.1	69.9	67.8	66.9	65.0	65.5	65.3	65.2	66.4	66.1	65.2	66.3	66.9
Motor vehicles and equipment	15.9	15.9	16.0	15.5	16.2	16.6	16.4	17.2	17.4	17.6	17.3	15.9	16.0	15.6	16.0	15.7	15.5	15.5	15.6	15.7
Other transportation equipment	47.3	49.1	49.1	49.7	50.8	54.2	55.4	54.8	52.6	50.3	49.7	49.1	49.5	49.7	49.1	50.7	50.6	49.7	50.7	51.3
Other durable goods ¹	58.0	58.9	59.6	59.8	60.7	61.2	61.8	62.1	63.4	63.7	64.3	58.9	59.0	59.5	59.6	59.7	60.2	59.8	60.1	60.2
Nondurable goods	166.7	168.7	170.5	172.8	178.0	177.4	179.6	180.9	180.5	180.0	180.0	168.7	168.9	169.7	170.5	171.7	172.6	172.8	173.6	175.4
Food and kindred products	36.7	37.0	37.6	38.4	38.9	38.9	38.7	39.0	39.6	40.1	40.1	37.0	37.1	37.3	37.6	38.0	38.2	38.4	38.8	39.1
Paper and allied products	16.3	16.1	16.3	16.5	16.6	16.9	16.9	17.0	16.8	16.8	16.7	16.1	16.1	16.1	16.3	16.3	16.3	16.5	16.6	16.6
Chemicals and allied products	42.4	43.3	44.1	45.1	46.5	47.1	48.6	48.6	48.7	49.1	48.7	43.3	43.5	43.5	44.1	44.6	45.2	45.1	45.6	46.2
Petroleum and coal products	12.9	13.0	13.0	12.8	13.3	13.4	13.6	14.3	14.0	13.1	13.1	13.0	12.7	13.1	13.0	12.8	12.8	12.8	12.4	13.0
Rubber and miscellaneous plastic products	16.1	16.3	16.4	16.5	16.7	17.0	17.1	17.5	17.5	17.6	17.9	16.3	16.3	16.4	16.4	16.4	16.5	16.5	16.6	16.7
Other nondurable goods ²	42.2	43.0	43.2	43.5	44.1	44.2	44.6	44.8	43.9	43.4	43.4	43.0	43.2	43.3	43.2	43.5	43.5	43.5	43.4	43.7
Merchant wholesalers	270.8	278.2	281.9	287.2	293.7	296.4	304.0	307.6	309.7	311.8	317.5	278.2	277.4	278.8	281.9	282.4	284.6	287.2	287.6	291.4
Durable goods	171.3	177.8	178.8	181.5	187.1	188.1	192.2	195.7	198.3	200.1	202.6	177.8	176.1	176.3	178.8	178.4	179.5	181.5	182.8	185.3
Nondurable goods	99.5	100.4	103.1	105.7	106.6	108.2	111.8	111.9	111.3	111.7	114.9	100.4	101.3	102.5	103.1	104.0	105.1	105.7	104.8	106.1
Groceries and farm products	33.2	33.7	34.3	35.1	35.1	36.3	39.1	37.6	39.0	39.6	42.8	33.7	34.3	34.1	34.3	35.4	36.0	35.1	35.1	35.4
Other nondurable goods	66.3	66.6	68.8	70.6	71.4	71.9	73.0	74.2	72.6	72.5	72.9	66.6	66.7	67.5	68.8	68.8	69.4	70.6	70.3	71.0
Retail trade	320.3	323.0	326.5	331.7	337.0	336.2	339.0	342.9	347.2	348.7	352.2	323.0	325.6	323.7	326.5	328.8	329.9	331.7	333.0	334.3
Durable goods	175.5	176.2	178.3	182.0	183.5	181.4	183.3	187.3	189.7	190.7	193.6	176.2	178.1	177.0	178.3	180.8	181.4	182.0	181.4	182.2
Motor vehicle dealers ³	90.9	90.6	92.2	95.7	95.9	94.0	95.1	97.0	97.8	97.8	100.1	90.6	92.2	92.1	92.2	94.4	95.4	95.7	95.3	95.3
Other durable goods ³	84.6	85.6	86.0	86.3	87.6	87.4	88.2	90.3	91.9	92.9	93.5	87.6	86.0	84.8	86.0	86.4	86.0	86.3	86.2	86.8
Nondurable goods	144.8	146.8	148.2	149.7	153.5	154.8	155.6	155.5	157.5	158.0	158.6	146.8	147.4	146.7	148.2	147.9	148.4	149.7	151.6	152.1
Food stores	29.8	29.9	30.3	30.1	30.6	30.8	30.6	30.5	30.9	31.1	31.6	29.9	29.8	30.2	30.3	30.2	30.3	30.1	30.4	30.4
Other nondurable goods	115.0	117.0	117.9	119.6	122.9	124.0	125.0	125.0	126.6	126.9	127.0	117.0	117.6	116.6	117.9	117.8	118.2	119.6	121.2	121.8

	1998										1999									
	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct. ^P
Manufacturing and trade	1,092.2	1,098.1	1,100.0	1,101.0	1,105.7	1,110.5	1,116.8	1,121.1	1,127.3	1,127.4	1,129.1	1,131.6	1,134.0	1,132.3	1,134.0	1,135.6	1,139.9	1,141.3	1,145.3	1,145.9
Manufacturing	461.6	464.9	466.7	468.6	472.4	473.7	474.2	478.0	479.8	477.2	476.6	477.2	476.5	477.2	476.5	476.9	475.1	476.9	475.3	476.0
Durable goods	285.6	288.5	289.9	291.2	292.5	294.2	294.6	297.2	297.8	296.2	295.3	296.7	296.0	296.1	296.0	296.1	296.6	295.4	295.5	295.3
Primary metal industries	24.1	24.2	24.3	24.6	24.8	25.0	25.2	25.2	25.4	25.4	25.3	25.2	24.8	24.7	24.8	24.6	24.6	24.4	24.3	24.4
Fabricated metal products	30.3	30.5	30.4	30.7	31.0	31.0	31.2	31.3	31.5	31.3	31.6	31.7	31.8	31.9	32.0	31.7	31.9	31.8	31.9	32.0
Industrial machinery and equipment	60.2	60.8	60.9	61.0	61.3	61.7	62.0	62.1	62.6	62.5	62.9	63.2	63.6	63.5	63.5	63.2	63.1	63.3	63.7	63.4
Electronic and other electric equipment	43.2	43.0	42.9	42.5	42.1	42.4	42.2	42.8	42.7	42.4	42.2	42.8	43.3	43.5	43.9	44.1	44.4	44.4	44.6	45.0
Transportation equipment	67.0	68.7	69.6	70.8	71.3	72.0	71.8	73.2	72.7	72.1	70.3	70.5	69.9	69.0	68.2	67.8	68.6	67.2	66.9	66.4
Motor vehicles and equipment	16.2	15.9	16.2	16.6	16.4	16.1	16.4	16.5	17.0	17.2	16.9	16.9	17.4	17.0	17.2	17.6	17.6	17.5	17.3	17.4
Other transportation equipment	50.8	52.8	53.4	54.2	54.9	55.9	55.4	56.8	55.7	54.8	53.3	53.7	52.6	52.0	51.1	50.3	51.0	49.7	49.7	49.1
Other durable goods ¹	60.7	61.0	61.4	61.2	61.5	61.6	61.8	62.1	62.5	62.1	62.7	63.1	63.4	63.5	63.8	63.7	64.2	64.4	64.3	64.4
Nondurable goods	176.0	176.4	176.8	177.4	180.0	179.5	179.6	180.7	182.0	180.9	181.3	180.5	180.5	180.5	180.7	180.0	180.2	179.9	180.0	180.7
Food and kindred products	38.9	38.9	38.9	38.9	39.0	38.7	38.7	39.1	39.0	39.0	39.4	39.6	39.6	39.9	40.1	40.1	40.1	40.1	40.7	40.7
Paper and allied products	16.6	16.7	16.8	16.9	17.0	17.0	16.9	17.0	17.0	17.0	16.9	16.8	16.8	16.7	16.7	16.8	16.7	16.5	16.7	16.6
Chemicals and allied products	46.5	46.7	46.8	47.1	49.0	49.0	48.6	48.8	49.3	48.6	48.9	49.0	48.7	49.0	49.6	49.1	49.3	48.9	48.7	48.8
Petroleum and coal products	13.3	13.4	13.4	13.4	13.7	13.6	13.6	13.9	14.8	14.3	14.5	13.8	14.0	13.6	13.2	13.1	13.1	13.1	13.1	13.1
Rubber and miscellaneous plastic products	16.7	16.7	16.8	17.0	17.0	17.1	17.1	17.2	17.5	17.5	17.6	17.5	17.5	17.6	17.7	17.6	17.6	17.7	17.9	18.0
Other nondurable goods ²	44.1	44.1	44.2	44.2	44.4	44.4	44.6	44.7	44.7	44.8	44.4	43.8	43.9	43.6	43.3	43.4	43.3	43.4	43.4	43.4
Merchant wholesalers	293.7	293.4	295.6	296.4	296.6	300.4	304.0	304.1	306.0	307.6	306.5	309.0	309.7	309.9	310.6	311.8	314.2	315.2	317.5	317.9
Durable goods	187.1	187.5	188.1	188.1	188.2	190.5	192.2	193.4	194.2	195.7	196.4	197.9	198.3	197.8	198.9	200.1	201.5	201.0	202.6	203.7
Nondurable goods	106.6	105.8	107.5	108.2	108.4	109.9	111.8	110.6	111.8	111.9	110.1	111.0	111.3	112.1	111.6	111.7	112.6	114.2	114.9	114.1
Groceries and farm products	35.1	34.9	35.6	36.3																

Table 2.—Real Manufacturing and Trade Sales, Seasonally Adjusted at Monthly Rate
[Billions of chained (1996) dollars]

	1977				1978				1979				1980				1981			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	422.7	429.0	433.8	441.7	440.6	461.0	462.4	470.0	470.2	470.8	470.0	466.8	463.4	440.9	449.0	466.4	467.2	461.0	457.9	444.8
Manufacturing	207.4	209.2	212.0	216.1	213.3	222.8	222.7	226.4	227.9	225.6	223.3	219.9	218.6	204.7	206.4	216.3	217.1	216.4	213.5	205.3
Durable goods	99.6	100.6	102.1	104.5	103.2	109.0	108.9	112.4	112.8	110.7	109.6	106.9	106.4	97.8	99.5	105.5	104.7	106.9	104.0	97.9
Primary metal industries	13.4	13.9	13.7	14.2	14.0	15.3	15.6	15.9	15.5	15.2	15.1	14.2	14.1	12.7	12.6	14.1	14.4	14.8	14.8	13.0
Fabricated metal products	13.9	13.9	13.9	14.5	14.0	14.7	14.6	15.0	14.9	14.4	14.4	13.9	13.5	12.6	12.9	14.1	14.0	14.0	13.5	12.6
Industrial machinery and equipment	9.9	10.1	10.4	10.7	10.8	11.4	11.6	11.9	12.2	12.5	12.7	12.4	12.7	12.3	12.4	12.8	13.2	13.0	13.0	12.7
Electronic and other electric equipment	10.8	10.9	11.2	11.5	11.4	11.8	12.1	12.3	12.6	12.8	12.7	12.8	13.0	12.1	12.2	12.7	12.4	12.7	12.6	12.1
Transportation equipment	30.2	29.9	30.4	30.3	30.1	31.8	31.3	33.6	34.6	31.5	29.8	29.0	28.4	24.6	25.2	27.0	25.5	27.2	25.6	23.6
Motor vehicles and equipment	20.1	19.8	20.2	20.0	19.8	20.8	20.5	22.3	22.5	19.8	17.5	16.7	15.7	12.2	12.9	14.9	13.5	15.0	13.9	12.4
Other transportation equipment	9.7	9.7	9.8	9.9	10.0	10.6	10.4	10.9	11.8	11.5	12.3	12.4	12.9	12.7	12.5	12.3	12.3	12.4	11.9	11.5
Other durable goods ¹	25.1	25.6	26.2	27.0	26.4	27.3	26.9	27.1	26.3	26.9	27.0	26.7	26.5	24.4	25.2	26.2	26.1	26.4	25.4	24.4
Nondurable goods	108.9	109.8	111.0	112.7	111.0	114.7	114.6	114.6	115.7	115.8	114.6	113.9	113.1	108.1	107.9	111.7	113.3	110.3	110.3	108.4
Food and kindred products	28.4	28.7	29.4	29.5	29.0	29.3	29.5	28.9	29.0	28.8	28.5	28.9	29.2	29.2	28.8	28.5	29.5	30.2	29.7	29.5
Paper and allied products	9.7	9.7	9.3	9.5	9.8	10.0	10.1	10.1	10.1	10.3	10.4	10.1	10.1	9.7	10.0	10.2	10.2	10.2	10.2	10.0
Chemicals and allied products	22.1	22.5	22.7	23.1	23.1	24.7	24.2	24.2	25.2	25.7	25.1	24.6	24.3	22.8	23.3	25.0	24.7	24.3	24.1	22.8
Petroleum and coal products	14.3	13.9	14.1	14.3	13.6	13.9	14.6	15.0	15.5	15.3	15.1	14.8	14.2	13.0	12.8	13.8	14.3	12.1	12.5	12.7
Rubber and miscellaneous plastic products	5.9	6.0	6.1	6.4	6.2	6.6	6.5	6.5	6.8	6.5	6.1	6.0	6.0	5.4	5.6	5.9	5.8	6.2	6.2	5.9
Other nondurable goods ²	27.0	27.4	27.8	28.3	28.1	29.0	28.3	28.3	27.5	27.7	28.0	28.4	28.2	27.3	26.8	27.5	27.4	27.7	27.7	26.9
Merchant wholesalers	95.0	97.7	98.9	100.6	102.8	108.7	110.3	111.6	110.8	114.3	115.3	115.6	115.3	112.1	116.3	121.8	120.6	117.2	116.4	114.2
Durable goods	39.5	40.9	41.8	43.2	44.4	47.4	48.2	48.9	48.7	50.5	51.3	51.2	51.7	49.2	50.1	52.1	52.6	52.4	51.5	49.1
Nondurable goods	57.0	58.2	58.5	58.6	58.8	62.6	63.4	64.0	63.3	65.0	65.3	65.6	64.9	64.2	67.5	71.1	69.4	68.1	66.2	66.4
Groceries and farm products	26.7	28.3	28.4	28.0	28.3	29.5	29.5	29.7	28.4	28.7	29.7	30.0	30.2	30.9	30.5	31.2	31.5	30.1	30.3	31.2
Other nondurable goods	30.1	29.4	29.6	30.3	31.2	32.9	33.7	34.2	34.9	36.3	35.5	35.5	34.6	33.3	36.9	39.7	37.8	35.9	35.8	35.2
Retail trade	121.0	122.7	123.5	125.5	124.9	129.8	129.5	132.2	131.8	130.7	131.2	131.3	129.3	123.7	125.7	127.2	128.7	126.7	127.6	124.9
Durable goods	39.7	41.0	40.9	41.8	40.7	44.4	43.8	45.6	45.0	44.4	44.6	43.7	42.4	37.7	39.5	40.4	42.0	39.6	40.7	38.3
Motor vehicle dealers ³	26.1	27.0	26.8	27.6	26.8	29.4	28.2	29.6	29.6	28.2	27.7	27.1	26.1	22.1	23.8	24.1	23.6	21.7	23.0	21.2
Other durable goods ³	14.0	14.4	14.4	14.6	14.3	15.5	15.9	16.3	15.9	16.5	17.0	16.7	16.4	15.4	15.6	16.2	18.3	17.7	17.6	17.0
Nondurable goods	81.4	81.9	82.7	83.8	84.4	85.4	85.8	86.6	86.8	86.4	86.8	87.7	87.0	86.0	86.3	87.0	86.9	87.2	87.0	86.7
Food stores	29.7	29.7	29.8	30.1	30.5	30.2	30.2	30.6	30.7	30.9	31.1	31.6	31.9	31.8	31.5	31.2	31.2	31.5	31.3	31.6
Other nondurable goods	52.2	52.6	53.3	54.1	54.3	55.6	56.0	56.4	56.4	55.9	56.1	56.5	55.5	54.7	55.2	56.2	56.1	56.1	56.1	55.6

	1982				1983				1984				1985				1986			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	442.2	444.7	437.1	432.3	441.3	454.0	465.7	481.6	492.2	499.2	500.5	505.3	508.6	512.7	516.6	517.4	522.8	530.3	538.8	542.4
Manufacturing	205.6	206.9	202.9	196.2	201.7	209.4	215.1	223.5	227.4	228.2	229.7	231.9	232.6	232.8	233.7	234.9	235.9	237.7	237.4	239.4
Durable goods	96.6	97.4	94.8	89.6	93.5	97.7	101.9	108.2	111.2	111.5	113.4	115.4	114.9	115.4	116.9	117.3	117.3	118.0	117.2	117.8
Primary metal industries	12.2	11.3	10.4	9.5	10.1	10.9	11.4	12.7	12.4	12.1	12.0	11.9	11.6	11.7	11.8	11.5	11.8	11.6	11.1	11.1
Fabricated metal products	13.0	13.4	13.1	12.3	12.5	12.9	13.3	14.1	14.5	14.4	14.6	14.7	14.7	14.6	15.2	15.2	14.6	14.9	15.0	15.0
Industrial machinery and equipment	12.6	11.8	11.3	10.6	10.5	11.0	11.7	12.3	13.1	13.7	14.2	14.6	14.6	14.8	14.8	15.2	15.3	15.3	14.5	14.5
Electronic and other electric equipment	12.3	12.4	12.2	11.8	12.2	12.5	12.7	13.5	14.2	14.7	14.8	15.0	14.5	14.5	14.4	14.7	14.3	14.3	14.3	14.4
Transportation equipment	22.3	24.8	24.0	22.4	25.1	26.4	27.8	29.8	30.6	29.6	30.4	31.4	31.9	31.5	32.6	32.6	32.1	32.7	33.3	33.7
Motor vehicles and equipment	11.4	13.5	13.2	11.5	14.0	15.1	16.9	18.5	19.5	18.5	19.2	20.0	19.8	19.6	20.4	20.1	19.9	20.0	20.2	19.8
Other transportation equipment	11.1	11.4	11.0	11.1	11.2	11.4	11.0	11.3	11.1	11.2	11.3	11.4	12.1	11.9	12.3	12.6	12.3	12.8	13.1	14.0
Other durable goods ¹	24.9	25.1	25.2	24.6	25.2	26.0	27.0	28.1	28.2	28.6	28.8	29.3	29.1	29.6	29.5	29.4	30.6	30.7	30.7	30.8
Nondurable goods	110.1	110.7	109.3	107.9	109.5	112.9	114.3	116.2	117.1	117.4	117.0	117.0	118.4	118.0	117.3	118.2	119.2	120.4	121.0	122.4
Food and kindred products	30.8	30.6	30.6	31.0	30.8	30.8	30.8	31.1	30.9	31.1	31.2	32.1	32.4	32.3	32.4	32.5	32.7	32.9	33.0	33.3
Paper and allied products	10.1	9.9	10.1	10.1	10.3	10.7	10.9	11.2	11.2	11.3	11.2	11.1	11.0	11.1	11.0	11.2	11.5	11.6	11.8	11.6
Chemicals and allied products	22.3	22.3	22.0	21.2	22.0	22.9	23.8	24.5	24.2	24.6	24.6	24.4	24.3	24.1	23.7	23.9	24.0	23.9	24.2	24.8
Petroleum and coal products	12.6	13.4	12.6	12.3	12.4	13.3	13.0	12.6	13.4	13.2	12.9	12.8	13.3	13.2	12.7	12.8	13.1	13.5	13.6	13.6
Rubber and miscellaneous plastic products	6.1	6.1	6.2	5.9	6.1	6.4	6.7	7.2	7.2	7.4	7.6	7.7	7.7	7.6	7.8	7.9	7.7	8.0	7.9	8.2
Other nondurable goods ²	28.0	27.5	27.6	27.1	27.6	28.3	29.0	29.9	30.0	29.9	29.6	29.1	29.6	29.6	29.8	30.1	30.2	30.4	30.3	30.8
Merchant wholesalers	111.8	112.5	109.1	107.9	109.7	111.0	114.8	118.4	122.2	125.8	126.6	126.9	127.8	129.4	130.0	130.4	132.9	135.1	138.9	139.6
Durable goods	47.3	45.5	45.0	45.3	46.2	47.0	49.2	51.8	54.2	56.5	56.8	56.6	57.7	58.1	58.4	59.1	59.0	59.9	59.9	60.4
Nondurable goods	65.9	68.4	65.4	63.9	64.9	65.3	66.9	67.8	69.2	70.5	70.9	71.5	71.2	72.5	72.8	72.4	75.2	76.6	80.9	81.0
Groceries and farm products	31.5	31.6	31.3	31.5	32.0	31.9	33.3	33.1	32.9	33.5	34.1	34.9	33.9	33.9	33.4	34.1	34.8	34.0	36.1	35.4
Other nondurable goods	34.4	36.7	34.2	32.6	33.1	33.6	33.9	34.9	36.5	37.2	37.0	36.8								

Table 2.—Real Manufacturing and Trade Sales, Seasonally Adjusted at Monthly Rate—Continued
[Billions of chained (1996) dollars]

	1987				1988				1989				1990				1991			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	545.0	550.4	557.2	560.3	568.9	577.1	580.1	590.3	591.3	589.8	590.1	590.7	596.1	598.2	597.9	583.3	574.3	586.8	593.5	591.1
Manufacturing	245.2	245.9	248.6	252.2	255.0	259.0	260.0	263.7	265.8	262.8	260.0	259.0	261.8	263.3	263.8	256.6	250.3	256.6	261.1	260.5
Durable goods	120.4	120.6	122.6	125.3	126.6	129.9	131.0	133.2	133.6	131.7	130.1	129.2	130.1	132.1	131.5	126.6	121.2	125.8	129.4	128.3
Primary metal industries	11.3	11.9	12.5	13.1	12.8	13.4	13.5	13.6	13.6	13.4	13.2	12.7	13.0	13.0	13.1	12.9	12.1	12.3	12.7	12.6
Fabricated metal products	15.2	15.1	15.1	14.9	15.4	15.7	15.3	15.6	15.8	15.2	15.1	14.9	15.0	15.3	15.1	14.6	14.0	14.2	14.5	14.8
Industrial machinery and equipment	14.9	15.1	15.9	16.3	16.8	17.4	18.0	17.8	17.9	18.3	18.0	18.1	18.5	18.2	18.3	18.3	17.4	17.5	17.7	17.8
Electronic and other electric equipment	14.5	14.7	15.1	15.3	15.8	16.0	16.4	16.3	16.7	16.6	16.3	16.1	16.5	16.4	16.3	16.1	16.0	16.4	16.6	16.9
Transportation equipment	34.3	33.5	32.9	33.9	34.7	35.4	35.5	37.3	37.1	36.1	35.9	35.2	34.1	36.9	36.6	32.7	30.8	33.9	36.2	34.8
Motor vehicles and equipment	21.2	20.2	19.5	20.4	20.7	21.6	21.8	23.3	23.6	22.3	21.6	21.5	19.7	22.1	21.5	18.0	18.4	18.9	21.0	20.0
Other transportation equipment	13.2	13.3	13.4	13.5	14.1	13.9	13.7	14.1	13.5	13.8	14.3	13.7	14.6	14.9	15.3	14.8	14.6	15.1	15.3	14.9
Other durable goods ¹	32.0	32.0	32.7	33.3	32.6	33.3	33.5	34.0	33.9	33.2	32.8	33.3	33.8	33.5	33.3	32.7	31.6	32.5	32.9	32.4
Nondurable goods	125.7	126.2	126.8	127.6	129.2	129.6	129.4	130.9	132.8	131.7	130.5	130.4	132.4	131.8	133.0	130.7	129.9	131.5	132.4	132.9
Food and kindred products	34.2	33.8	33.9	34.2	34.7	34.9	34.8	35.0	35.9	35.7	35.4	35.6	35.7	35.3	35.3	36.0	35.6	36.1	36.3	36.6
Paper and allied products	11.7	11.8	12.1	12.2	12.2	12.3	12.4	12.5	12.7	12.6	12.3	12.3	12.5	12.4	12.6	12.5	12.2	12.4	12.7	12.7
Chemicals and allied products	25.8	26.4	26.5	26.9	27.1	27.0	27.1	27.9	27.9	28.0	27.9	28.1	28.3	28.4	29.0	29.0	28.2	28.6	28.7	28.8
Petroleum and coal products	13.6	13.4	13.4	13.4	14.3	14.1	14.0	14.1	14.6	13.9	13.9	13.8	14.4	13.7	14.4	12.7	14.0	14.4	14.0	13.4
Rubber and miscellaneous plastic products	8.8	8.7	8.6	8.9	8.9	9.0	9.1	9.4	9.4	9.5	9.3	9.2	9.6	9.6	9.9	9.5	9.2	9.4	9.8	9.8
Other nondurable goods ²	31.5	32.1	32.3	32.1	31.9	32.4	32.1	32.1	32.2	32.0	31.6	31.4	32.0	32.2	31.6	31.2	30.6	30.6	30.9	31.6
Merchant wholesalers	139.8	140.7	142.2	142.6	144.9	147.7	149.3	152.2	151.9	152.4	152.9	155.3	155.5	157.5	156.3	151.9	151.6	155.3	157.4	157.1
Durable goods	60.9	61.9	63.0	62.8	63.1	65.5	66.7	68.9	69.0	69.3	69.3	70.6	73.0	73.0	71.8	69.8	68.9	69.8	71.7	71.8
Nondurable goods	80.6	80.4	80.6	81.3	83.6	83.7	84.1	84.6	84.1	84.7	84.7	85.9	83.3	85.5	85.6	83.1	83.9	86.7	86.9	86.4
Groceries and farm products	35.8	35.0	36.1	36.1	36.6	36.7	36.7	36.7	36.1	36.3	36.1	36.6	35.1	36.1	36.5	36.3	36.3	37.0	37.2	37.0
Other nondurable goods	44.9	45.4	44.6	45.3	47.1	47.1	48.5	47.9	48.1	48.5	48.7	49.3	48.2	49.5	49.2	47.0	47.6	49.8	49.7	49.5
Retail trade	160.1	164.1	166.6	165.8	169.2	170.6	171.0	174.5	173.8	174.7	177.5	176.5	179.0	177.4	177.9	175.0	172.4	175.0	175.0	173.6
Durable goods	57.7	60.4	62.7	61.4	64.1	64.5	63.5	65.7	64.8	65.6	67.4	65.3	67.8	65.8	65.9	64.5	62.0	63.4	63.4	63.0
Motor vehicle dealers ³	32.5	35.3	37.2	35.4	37.5	37.2	36.2	37.8	37.1	37.7	39.3	36.8	38.4	37.2	37.5	36.4	34.2	35.3	35.5	35.3
Other durable goods ³	25.2	25.3	25.8	26.1	26.8	27.4	27.4	28.0	27.7	28.0	28.3	28.5	29.4	28.6	28.4	28.1	27.7	28.1	27.8	27.7
Nondurable goods	102.4	103.8	103.9	104.3	105.2	106.1	107.4	108.8	109.0	109.1	110.1	111.2	111.3	111.6	111.9	110.4	110.3	111.5	111.5	110.4
Food stores	34.3	34.6	34.7	34.6	34.8	35.2	35.3	35.3	35.6	35.4	35.5	35.7	35.8	36.0	36.0	35.8	35.3	35.4	35.2	34.9
Other nondurable goods	68.4	69.4	69.5	70.0	70.6	71.2	72.3	73.6	73.6	73.9	74.7	75.6	75.6	75.7	76.1	74.8	75.1	76.2	76.5	75.6

	1992				1993				1994				1995				1996			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	598.6	603.3	610.1	618.9	625.3	628.2	633.4	643.8	654.6	663.4	674.5	688.7	694.5	693.5	700.4	709.8	711.2	722.5	730.2	740.1
Manufacturing	261.8	266.0	266.8	270.8	274.0	272.3	272.3	279.6	283.9	287.1	291.7	297.7	302.1	298.3	300.3	303.6	302.2	309.2	311.7	314.8
Durable goods	129.4	132.3	133.1	135.9	137.0	137.0	136.4	142.9	145.3	147.4	150.6	154.3	158.0	156.5	158.4	161.6	160.8	166.9	169.1	170.8
Primary metal industries	12.7	12.9	12.8	12.9	13.2	13.3	13.2	13.7	13.7	14.1	14.3	14.7	14.6	14.3	14.1	14.4	14.4	14.7	15.0	15.3
Fabricated metal products	14.5	14.8	15.0	15.3	15.4	15.5	15.4	16.0	16.4	16.5	16.8	16.9	17.4	17.0	17.2	17.3	17.3	18.0	18.0	18.0
Industrial machinery and equipment	18.1	18.7	19.0	19.4	20.0	20.2	20.8	22.0	22.4	23.2	24.3	25.1	26.3	27.2	27.9	29.4	30.6	31.4	32.2	33.0
Electronic and other electric equipment	17.2	17.6	18.3	18.6	18.5	18.9	19.4	19.8	20.8	21.5	22.1	22.9	23.6	24.3	25.4	25.8	25.9	26.5	26.5	27.7
Transportation equipment	35.1	36.0	35.3	37.0	37.2	36.6	34.3	37.5	38.4	37.9	38.6	39.5	40.3	38.4	38.1	38.7	38.7	39.3	39.8	39.1
Motor vehicles and equipment	20.1	21.3	21.2	22.5	23.4	22.9	21.9	24.8	26.1	26.2	26.9	27.9	28.5	28.8	27.1	27.6	26.3	28.0	28.4	27.2
Other transportation equipment	15.1	14.8	14.3	14.7	13.9	13.8	12.5	12.7	12.4	11.7	11.7	11.6	11.8	11.6	11.0	11.1	10.4	11.4	11.5	11.9
Other durable goods ¹	32.7	33.2	33.6	34.4	33.4	33.2	33.8	34.5	34.1	34.7	34.9	35.4	36.1	35.3	35.7	36.0	35.8	37.1	37.4	37.7
Nondurable goods	133.1	134.3	134.3	135.5	137.6	135.8	136.4	137.1	138.9	140.0	141.4	143.7	144.2	141.9	142.0	142.0	141.5	142.2	142.6	143.9
Food and kindred products	36.4	37.0	37.0	37.3	37.5	37.6	38.1	37.7	37.6	37.2	38.0	39.3	38.7	38.8	39.2	39.2	38.9	38.3	38.0	38.6
Paper and allied products	12.8	12.6	12.9	12.8	12.8	12.9	13.0	13.1	13.1	13.3	13.7	13.7	14.0	13.7	13.2	13.0	13.0	13.4	13.5	13.6
Chemicals and allied products	28.8	29.0	29.1	29.0	29.7	29.6	29.3	29.6	30.2	30.8	30.9	30.9	30.8	30.1	30.6	30.4	30.0	30.5	30.8	31.3
Petroleum and coal products	14.2	13.5	13.3	13.4	14.3	13.3	13.3	13.4	14.2	13.9	13.5	14.1	14.9	13.9	13.9	14.4	14.9	14.2	14.4	14.5
Rubber and miscellaneous plastic products	10.1	10.2	10.3	10.5	10.9	10.9	10.9	11.2	11.4	11.8	11.9	12.3	12.3	12.0	12.0	12.2	12.2	12.7	12.6	12.6
Other nondurable goods ²	30.9	31.8	31.8	32.4	32.3	31.7	31.7	32.1	32.4	32.9	33.3	33.3	33.5	33.4	33.0	32.9	32.6	33.2	33.2	33.3
Merchant wholesalers	158.9	159.3	163.4	164.4	167.6	168.8	171.0	170.3	173.7	176.7	181.1	185.3	187.7	188.4	190.6	194.3	194.3	195.4	199.1	203.3
Durable goods	72.7	73.8	75.9	77.7	79.9	81.0	83.3	83.6	85.4	87.4	90.6	93.7	95.1	95.8	97.3	100.7	101.2	102.9	103.7	106.1
Nondurable goods	87.4	86.5	88.6	87.6	88.5	88.5	88.3	87.2	88.8	89.7	90.7	91.8	92.8	92.8	93.3	93.7	93.1	92.5	95.3	97.2
Groceries and farm products	37.2	36.8	38.7	37.8	38.4	38.0	37.2	35.7	35.3	36.4	37.6	38.2	38.8	38.9	38.9	38.6	38.4	36.4	37.8	39.4
Other nondurable goods	50.3	49.7</																		

Table 2.—Real Manufacturing and Trade Sales, Seasonally Adjusted at Monthly Rate—Continued

[Billions of chained (1996) dollars]

	1997				1998				1999			1997								1998	
	I	II	III	IV	I	II	III	IV	I	II	III	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
Manufacturing and trade	754.6	761.3	776.3	781.9	798.2	806.5	813.5	830.5	848.3	859.4	872.0	766.8	776.5	772.3	780.1	779.1	779.0	787.6	791.0	797.9	
Manufacturing	320.9	326.1	333.3	336.8	342.9	342.6	346.9	353.8	358.4	361.7	367.2	328.1	334.1	330.3	335.4	335.1	334.6	340.7	338.2	343.3	
Durable goods	175.1	179.6	185.4	187.4	191.4	192.3	196.5	203.1	205.2	209.4	214.2	181.8	185.7	183.0	187.5	186.3	186.2	189.8	186.8	192.3	
Primary metal industries	15.5	15.6	15.7	15.7	16.0	15.6	15.6	15.2	15.6	15.8	16.3	15.5	15.7	15.5	15.7	15.7	15.7	15.8	15.9	16.1	
Fabricated metal products	18.2	18.5	18.8	18.9	19.2	19.3	19.8	20.0	20.0	20.0	20.1	18.6	18.7	18.7	19.0	19.0	18.8	19.0	18.8	19.4	
Industrial machinery and equipment	33.8	35.8	37.4	38.3	40.6	42.3	43.3	43.9	44.9	46.5	48.8	36.6	37.5	36.7	38.1	38.1	37.6	39.2	39.8	40.6	
Electronic and other electric equipment	28.5	29.1	30.4	30.8	31.2	31.2	32.7	33.9	34.1	35.5	37.0	29.7	29.5	30.4	31.4	30.6	30.6	31.2	30.3	31.6	
Transportation equipment	40.5	41.5	43.1	43.5	44.0	43.4	44.4	48.5	48.4	49.1	49.8	41.9	44.1	42.4	42.6	42.7	43.8	44.1	42.1	44.2	
Motor vehicles and equipment	28.4	28.3	30.0	30.2	30.1	29.3	30.0	32.2	33.1	33.9	35.1	28.6	31.0	29.7	29.4	30.3	29.7	30.6	28.7	30.3	
Other transportation equipment	12.1	13.2	13.0	13.3	14.0	14.1	14.4	16.3	15.3	15.3	14.8	13.3	13.2	12.7	13.2	12.3	14.0	13.5	13.4	13.9	
Other durable goods ¹	38.5	39.2	40.0	40.3	40.7	40.8	41.1	41.9	42.6	43.1	43.2	39.6	40.1	39.3	40.7	40.3	39.9	40.7	40.1	40.7	
Nondurable goods	145.7	146.5	147.9	149.4	151.5	150.3	150.5	150.8	153.4	152.6	153.3	146.3	148.5	147.3	147.9	148.8	148.4	150.9	151.4	151.1	
Food and kindred products	38.8	38.6	38.9	39.8	41.3	41.0	41.3	42.0	42.2	42.4	42.4	38.6	39.0	39.0	38.8	39.4	39.8	40.2	41.4	41.1	
Paper and allied products	13.7	14.0	14.1	14.4	14.1	14.1	14.0	14.1	14.2	13.8	13.9	13.9	14.1	13.9	14.2	14.4	14.2	14.6	14.3	14.1	
Chemicals and allied products	31.8	32.2	32.2	32.5	32.3	32.0	31.9	32.4	32.9	33.5	34.1	32.1	32.2	31.9	32.4	32.2	32.8	32.4	32.3	32.3	
Petroleum and coal products	14.9	15.0	15.5	15.0	16.3	16.0	16.1	15.8	17.3	15.6	15.6	15.2	15.7	15.7	15.0	15.1	14.8	15.3	15.6	16.1	
Rubber and miscellaneous plastic products	12.9	13.0	13.1	13.4	13.2	13.2	13.3	13.4	13.7	13.7	13.7	12.8	13.1	12.9	13.2	13.3	13.1	13.6	13.2	13.2	
Other nondurable goods ²	33.7	33.7	34.2	34.3	34.4	34.2	34.0	33.1	33.5	33.6	33.7	33.7	34.4	33.9	34.4	34.2	34.3	34.4	34.6	34.4	
Merchant wholesalers	208.5	210.9	213.0	213.8	219.5	222.8	224.8	228.3	233.0	238.4	241.2	212.6	213.3	211.2	214.4	214.0	213.1	214.5	218.5	218.6	
Durable goods	108.4	110.7	112.7	114.0	117.0	118.9	119.8	120.4	124.8	128.4	131.1	111.6	112.9	111.3	114.0	114.2	113.5	114.1	116.6	116.5	
Nondurable goods	100.1	100.2	100.2	99.9	102.4	103.8	105.0	107.9	108.1	109.9	110.1	101.0	100.5	99.9	100.3	99.8	99.5	100.3	101.9	102.1	
Groceries and farm products	40.4	40.7	40.5	40.5	41.0	41.7	42.6	42.8	42.5	43.8	44.4	41.3	40.8	40.1	40.6	41.1	40.4	40.1	40.9	41.0	
Other nondurable goods	59.6	59.6	59.7	59.4	61.5	62.1	62.4	65.0	65.6	66.1	65.8	59.8	59.7	59.8	59.8	58.7	59.2	60.2	61.0	61.1	
Retail trade	225.2	224.4	230.1	231.3	235.8	241.2	241.8	248.3	256.7	259.2	263.5	226.2	229.1	230.9	230.4	230.0	231.3	232.5	234.4	236.0	
Durable goods	92.4	91.4	95.1	96.3	99.0	101.9	101.2	105.8	110.7	111.8	116.5	92.3	94.2	95.8	95.4	95.1	96.3	97.7	98.8	98.9	
Motor vehicle dealers ³	51.4	50.0	52.8	52.8	53.8	55.8	54.0	56.9	59.8	60.7	63.0	50.6	52.2	53.5	52.7	52.0	52.7	53.9	53.8	53.7	
Other durable goods ³	41.0	41.4	42.4	43.5	45.3	46.1	47.3	49.0	50.9	51.1	51.5	41.6	42.0	42.3	42.7	43.1	43.6	43.8	45.2	45.3	
Nondurable goods	132.8	132.9	135.0	135.0	136.9	139.4	140.7	142.6	146.2	147.5	149.6	133.9	134.9	135.1	135.0	135.0	135.1	134.8	135.6	137.1	
Food stores	35.8	35.6	35.7	35.8	35.8	36.3	36.5	36.6	36.7	36.9	37.0	35.5	35.7	35.7	35.9	35.8	35.8	35.7	35.6	35.8	
Other nondurable goods	96.9	97.4	99.3	99.2	101.1	103.1	104.2	106.0	109.5	110.7	112.4	98.4	99.2	99.4	99.2	99.2	99.3	100.0	101.3	101.3	

	1998										1999									
	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct. ^a
Manufacturing and trade	805.6	805.1	804.7	809.7	809.5	811.6	819.5	822.7	829.1	839.8	837.7	849.8	857.6	851.1	859.8	867.2	869.7	876.4	870.0	874.6
Manufacturing	347.2	343.4	341.0	343.3	343.9	346.2	350.6	351.0	353.1	357.3	354.7	358.0	362.7	359.1	361.2	365.0	366.7	365.9	365.0	366.8
Durable goods	195.2	192.3	191.7	192.8	193.4	196.0	200.2	201.8	203.1	204.4	203.4	204.0	208.2	207.3	209.5	211.3	213.8	216.5	212.4	213.2
Primary metal industries	15.9	15.8	15.5	15.5	15.5	15.6	15.6	15.3	15.2	15.2	15.5	15.5	15.9	15.6	15.8	16.0	16.1	16.4	16.4	16.1
Fabricated metal products	19.4	19.2	19.4	19.3	19.9	19.7	19.8	19.8	20.0	20.1	20.1	20.0	20.0	20.0	20.0	20.1	20.0	20.3	19.9	19.8
Industrial machinery and equipment	41.5	41.9	41.7	43.4	43.6	43.0	43.3	43.8	43.6	44.4	44.4	45.0	45.3	46.3	46.6	46.5	49.6	48.9	47.8	50.6
Electronic and other electric equipment	31.7	31.0	30.7	31.9	32.3	32.3	33.6	33.4	33.9	34.3	34.2	33.6	34.5	35.2	35.4	35.8	37.1	37.0	36.9	36.5
Transportation equipment	45.8	44.4	44.2	41.6	41.1	45.1	47.0	48.5	48.7	48.4	47.6	47.8	49.7	48.1	49.1	50.2	49.3	51.5	48.8	47.7
Motor vehicles and equipment	31.2	30.3	30.1	27.5	27.7	30.7	31.6	32.0	32.0	32.6	32.6	32.7	34.0	32.8	33.2	35.5	35.4	35.5	34.5	33.3
Other transportation equipment	14.6	14.1	14.1	14.1	13.4	14.3	15.5	16.4	16.7	15.7	15.0	15.1	15.7	15.3	15.9	14.7	14.0	16.0	14.3	14.5
Other durable goods ¹	41.2	40.4	40.5	41.6	41.5	40.6	41.3	41.3	42.0	42.4	42.0	42.6	43.2	42.8	43.2	43.3	42.9	43.3	43.4	43.8
Nondurable goods	152.0	151.1	149.4	150.5	150.6	150.3	150.5	149.3	150.2	152.9	151.4	154.1	154.7	151.9	151.9	153.8	153.1	153.8	152.9	153.9
Food and kindred products	41.4	41.3	40.7	41.0	40.9	41.3	41.6	41.9	41.9	42.2	41.7	42.3	42.6	42.0	42.5	42.8	42.2	42.5	42.8	42.8
Paper and allied products	14.1	14.1	14.1	14.0	14.1	14.0	13.9	13.9	14.1	14.4	14.2	14.5	14.0	13.9	13.8	13.8	13.8	14.1	13.9	13.8
Chemicals and allied products	32.1	31.7	31.9	32.4	31.8	31.7	32.2	31.6	32.2	33.3	32.1	33.1	33.4	33.4	33.2	33.9	33.8	34.3	34.1	34.2
Petroleum and coal products	17.2	16.5	15.7	16.0	15.8	16.2	16.2	15.3	15.2	16.9	16.5	17.5	18.0	15.5	15.1	16.1	16.0	15.5	15.2	15.7
Rubber and miscellaneous plastic products	13.2	13.3	13.1	13.1	13.2	13.3	13.4	13.4	13.4	13.6	13.4	13.9	13.9	13.9	13.6	13.7	13.5	13.9	13.8	13.8
Other nondurable goods ²	34.4	34.4	34.1	34.1	34.7	34.0	34.3	33.2	33.3	32.9	33.8	33.4	33.4	33.5	33.6	33.7	33.9	33.6	33.4	33.7
Merchant wholesalers	221.3	222.6	222.2	223.6	224.4	224.0	226.1	225.7	227.6	231.7	229.2	233.3	236.5	234.7	238.3	242.2	241.1	241.5	241.0	243.0
Durable goods	118.0	119.3	118.1	119.4	120.0	119.7	119.6	119.4	119.8	122.2	122.4	125.4	126.7	126.5	128.5	130.3	130.3	131.3	131.6	131.8
Nondurable goods	103.3	103.3	104.1	104.2	104.3	104.2	106.5	106.3	107.9	109.5	106.8	107.8	109.8	108.1	109.8	111.8	110.8	110.2	109.5	111.3
Groceries and farm products	41.0	41.3	41.8	42.2	42.3	42.3	43.1	42.8	42.8	42.9	41.4	42.6	43.4	43.3	44.1	43.9	44.8	44.0	44.3	45.2
Other nondurable goods	62.3	62.0	62.3	62.0	62.0	61.9	63.4	63.5	65.0	66.5	63.3	65.2	66.4	64.8	65.7	67.8	66.0	66.2	65.2	66.1
Retail trade	237.2	239.3	241.5	242.8	241.2	241.4	242.8	245.9	248.3	250.8	253.6	258.4	258.3	257.3	260.2	260.1	261.9	264.8	263.8	264.7
Durable goods	99.3	100.6	101.9	103.0	100.7	100.9	102.0	104.4	105.5	107.5	108.9	112.1	111.2	110.7	112.8	111.8	115.3	117.7	116.7	116.6
Motor vehicle dealers ³	54.0	55.2	55.7	56.5	53.8	53.7	54.5	56.1	56.7	57.9	58.7	60.8	60.1	59.5	61.5	61.1	62.5	63.9	62.4	61.7
Other durable goods ³	45.3	45.5	46.2	46.5	47.0	47.2	47.6	48.4	48.9	49.7	50.3	51.3	51.2	51.3	51.4	50.8	50.8	51.5	52.1	53.0
Nondurable goods	137.9	138.7	139.6	139.9	140.6	140.6	140.9	141.6	142.9	143.4	144.8	146.5	147.2	146.7	147.5	148.4	149.1	149.9	149.9	150.6
Food stores	36.1	36.3	36.3	36.4	36.5	36.6	36.5	36.5	36.7	36.7	36.4	36.9	37.0	36.7	37.1	36.9	36.9	37.1	37.1	37.2
Other nondurable goods	101.9	102.4	103.3	103.5	104.2	104.0	104.4	105.1	106.3	106.7	108.6	109.7	110.3	110.1	110.5					

¹ Preliminary.
² Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; and miscellaneous manufacturing industries.

³ Includes tobacco manufacturers; textile mill products; apparel products; printing and publishing; and leather and leather products.

3. Prior to 1981, inventories and sales of auto and home supply stores are included in motor vehicle dealers. Beginning with 1981, these inventories are included in "other durable goods."

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

	1977				1978				1979				1980				1981			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	1.37	1.36	1.37	1.36	1.39	1.35	1.36	1.36	1.38	1.39	1.40	1.41	1.44	1.52	1.48	1.42	1.43	1.46	1.48	1.53
Manufacturing	1.50	1.49	1.49	1.47	1.50	1.45	1.47	1.47	1.47	1.51	1.53	1.57	1.60	1.72	1.68	1.60	1.61	1.61	1.65	1.71
Durable goods	1.91	1.89	1.88	1.85	1.89	1.83	1.86	1.83	1.86	1.93	1.97	2.05	2.08	2.27	2.20	2.08	2.11	2.06	2.14	2.26
Primary metal industries	2.37	2.29	2.31	2.18	2.13	1.98	1.97	1.95	1.93	2.00	2.03	2.20	2.19	2.49	2.38	2.14	2.18	2.09	2.18	2.50
Fabricated metal products	1.87	1.88	1.93	1.86	1.96	1.88	1.91	1.87	1.92	2.00	2.00	2.06	2.13	2.22	2.13	1.98	1.96	1.93	2.02	2.13
Industrial machinery and equipment	2.96	2.91	2.83	2.83	2.87	2.78	2.80	2.82	2.82	2.84	2.85	2.98	2.97	3.14	3.10	3.01	2.93	2.94	3.00	3.08
Electronic and other electric equipment	1.68	1.72	1.70	1.71	1.78	1.80	1.80	1.79	1.81	1.83	1.88	1.96	1.97	2.11	2.07	1.99	2.08	2.08	2.13	2.19
Transportation equipment	1.62	1.62	1.63	1.63	1.65	1.59	1.64	1.57	1.58	1.78	1.91	1.99	2.04	2.34	2.25	2.09	2.23	2.08	2.18	2.29
Motor vehicles and equipment .....	.80	.84	.85	.86	.87	.83	.87	.80	.86	.95	1.08	1.03	1.03	1.24	1.10	.96	1.03	.90	.95	1.00
Other transportation equipment	3.31	3.16	3.21	3.15	3.17	3.06	3.12	3.12	2.92	3.17	3.05	3.21	3.20	3.28	3.35	3.42	3.49	3.45	3.57	3.62
Other durable goods ¹	1.57	1.55	1.52	1.49	1.54	1.50	1.54	1.55	1.63	1.60	1.57	1.60	1.63	1.77	1.70	1.64	1.66	1.64	1.72	1.77
Nondurable goods	1.10	1.11	1.12	1.11	1.11	1.08	1.09	1.10	1.08	1.08	1.09	1.10	1.13	1.19	1.17	1.12	1.12	1.16	1.16	1.18
Food and kindred products	1.04	1.05	1.05	1.00	1.00	.99	.99	1.02	1.02	1.05	1.05	1.04	1.04	1.03	1.04	1.04	1.01	1.00	1.02	1.02
Paper and allied products	1.00	1.01	1.07	1.05	1.02	1.02	1.01	1.00	1.00	1.00	.97	1.04	1.07	1.15	1.10	1.06	1.08	1.07	1.09	1.12
Chemicals and allied products	1.18	1.18	1.21	1.21	1.22	1.15	1.19	1.19	1.12	1.08	1.12	1.14	1.21	1.30	1.22	1.15	1.17	1.21	1.23	1.30
Petroleum and coal products .....	.67	.72	.73	.72	.73	.69	.66	.65	.59	.59	.63	.67	.73	.83	.84	.76	.74	.89	.83	.82
Rubber and miscellaneous plastic products	1.63	1.61	1.64	1.57	1.63	1.56	1.59	1.62	1.57	1.63	1.76	1.75	1.75	1.87	1.74	1.66	1.72	1.63	1.65	1.72
Other nondurable goods ²	1.31	1.31	1.29	1.30	1.30	1.27	1.31	1.31	1.35	1.32	1.31	1.26	1.29	1.34	1.34	1.29	1.31	1.28	1.29	1.36
Merchant wholesalers	1.18	1.17	1.20	1.21	1.24	1.20	1.19	1.21	1.26	1.23	1.23	1.23	1.25	1.30	1.28	1.23	1.26	1.28	1.30	1.34
Durable goods	1.83	1.81	1.82	1.81	1.85	1.78	1.77	1.80	1.85	1.79	1.80	1.80	1.81	1.93	1.91	1.87	1.88	1.91	1.93	2.05
Nondurable goods .....	.69	.69	.72	.73	.75	.73	.72	.73	.77	.76	.76	.76	.77	.78	.78	.72	.76	.75	.77	.78
Groceries and farm products .....	.66	.63	.66	.70	.72	.69	.66	.65	.70	.72	.69	.68	.66	.65	.69	.64	.64	.61	.62	.61
Other nondurable goods .....	.73	.75	.78	.76	.78	.76	.77	.80	.83	.79	.81	.82	.86	.90	.85	.79	.86	.87	.90	.93
Retail trade	1.22	1.22	1.23	1.23	1.26	1.23	1.24	1.24	1.25	1.26	1.26	1.25	1.26	1.30	1.28	1.25	1.25	1.29	1.31	1.35
Durable goods	2.07	2.04	2.09	2.09	2.20	2.03	2.06	2.04	2.10	2.20	2.12	2.12	2.13	2.31	2.16	2.10	2.00	2.19	2.15	2.29
Motor vehicle dealers ³	1.73	1.72	1.79	1.81	1.91	1.71	1.77	1.80	1.86	2.07	1.98	1.97	1.93	2.14	1.91	1.89	1.64	1.92	1.81	1.95
Other durable goods ³	2.67	2.60	2.63	2.59	2.73	2.59	2.55	2.48	2.54	2.45	2.38	2.40	2.45	2.60	2.54	2.43	2.46	2.54	2.58	2.72
Nondurable goods .....	.81	.81	.81	.80	.82	.83	.83	.83	.81	.82	.82	.82	.83	.86	.87	.86	.88	.89	.91	.93
Food stores .....	.51	.52	.52	.51	.51	.52	.52	.51	.51	.51	.52	.52	.52	.54	.54	.55	.58	.57	.59	.59
Other nondurable goods .....	.97	.97	.97	.96	.98	.99	1.00	.99	.97	.98	.98	.98	1.01	1.04	1.06	1.03	1.04	1.05	1.09	1.12

	1982				1983				1984				1985				1986			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	1.52	1.50	1.53	1.52	1.47	1.43	1.42	1.39	1.40	1.42	1.45	1.46	1.45	1.45	1.44	1.45	1.45	1.44	1.41	1.40
Manufacturing	1.69	1.66	1.68	1.71	1.62	1.56	1.54	1.50	1.50	1.54	1.58	1.57	1.55	1.55	1.53	1.52	1.51	1.50	1.49	1.48
Durable goods	2.25	2.22	2.26	2.33	2.16	2.07	1.99	1.91	1.89	1.95	1.98	1.98	1.98	1.97	1.93	1.90	1.89	1.87	1.87	1.84
Primary metal industries	2.65	2.69	2.85	2.95	2.64	2.42	2.27	2.06	2.13	2.25	2.29	2.24	2.19	2.11	2.06	2.04	1.95	1.97	1.94	1.98
Fabricated metal products	2.04	1.96	1.98	1.98	1.90	1.87	1.84	1.75	1.73	1.78	1.77	1.78	1.76	1.73	1.66	1.71	1.75	1.75	1.73	1.73
Industrial machinery and equipment	3.08	3.28	3.32	3.40	3.33	3.16	2.94	2.79	2.62	2.58	2.56	2.52	2.52	2.47	2.43	2.31	2.28	2.25	2.35	2.33
Electronic and other electric equipment	2.11	2.07	2.09	2.15	2.02	2.00	1.99	1.95	1.88	1.88	1.94	1.96	2.02	2.02	1.99	1.89	1.92	1.93	1.91	1.86
Transportation equipment	2.37	2.17	2.26	2.48	2.10	2.00	1.89	1.82	1.85	2.01	2.07	2.05	1.99	2.03	1.97	1.94	1.98	1.93	1.88	1.81
Motor vehicles and equipment	1.04	.87	.86	.95	.78	.75	.69	.68	.66	.72	.71	.69	.69	.70	.68	.68	.67	.65	.63	.65
Other transportation equipment	3.67	3.67	3.91	4.02	3.72	3.62	3.72	3.67	3.94	4.13	4.36	4.43	4.11	4.19	4.10	3.95	4.10	3.91	3.80	3.44
Other durable goods ¹	1.71	1.69	1.68	1.68	1.63	1.59	1.56	1.53	1.55	1.58	1.62	1.62	1.66	1.65	1.67	1.68	1.61	1.61	1.62	1.63
Nondurable goods	1.17	1.13	1.15	1.16	1.13	1.10	1.11	1.10	1.11	1.14	1.16	1.14	1.12	1.12	1.12	1.13	1.12	1.12	1.10	1.11
Food and kindred products .....	.95	.93	.96	.95	.95	.93	.94	.92	.94	.93	.93	.90	.89	.90	.91	.91	.89	.88	.88	.88
Paper and allied products	1.13	1.15	1.13	1.12	1.09	1.06	1.05	1.04	1.06	1.08	1.13	1.16	1.18	1.16	1.15	1.16	1.13	1.13	1.12	1.14
Chemicals and allied products	1.33	1.30	1.29	1.30	1.24	1.20	1.18	1.17	1.21	1.26	1.30	1.28	1.27	1.31	1.34	1.31	1.30	1.33	1.30	1.30
Petroleum and coal products .....	.89	.75	.84	.89	.87	.80	.84	.82	.80	.84	.86	.83	.77	.76	.70	.78	.73	.79	.76	.81
Rubber and miscellaneous plastic products	1.61	1.60	1.54	1.59	1.52	1.49	1.44	1.38	1.42	1.46	1.42	1.38	1.38	1.40	1.39	1.38	1.43	1.38	1.36	1.34
Other nondurable goods ²	1.30	1.33	1.31	1.32	1.26	1.28	1.29	1.27	1.28	1.32	1.35	1.36	1.32	1.30	1.30	1.30	1.30	1.28	1.28	1.26
Merchant wholesalers	1.36	1.37	1.41	1.41	1.37	1.33	1.31	1.29	1.28	1.27	1.31	1.33	1.34	1.34	1.34	1.36	1.36	1.36	1.36	1.33
Durable goods	2.13	2.25	2.25	2.17	2.07	1.99	1.94	1.88	1.86	1.82	1.88	1.92	1.90	1.90	1.89	1.93	1.94	1.98	1.93	
Nondurable goods .....	.76	.76	.79	.83	.84	.81	.81	.81	.80	.80	.82	.82	.85	.85	.87	.89	.88	.87	.86	.85
Groceries and farm products .....	.59	.61	.63	.68	.69	.66	.68	.66	.68	.66	.68	.67	.72	.72	.78	.80	.81	.82	.80	.79
Other nondurable goods .....	.91	.88	.94	.97	.98	.95	.93	.94	.92	.92	.96	.96	.97	.97	.96	.98	.95	.91	.91	.91
Retail trade	1.32	1.32	1.34	1.28	1.28	1.27	1.28	1.27	1.31	1.31	1.33	1.36	1.36	1.35	1.35	1.41	1.44	1.41	1.35	1.34
Durable goods	2.19	2.15	2.25	2.04	2.05	1.97	1.98	1.92	1.94	1.91	1.94	1.98	1.96	1.95	1.91	2.09	2.16	2.10	1.87	1.86
Motor vehicle dealers ³	1.79	1.79	1.97	1.60	1.64	1.54	1.60	1.52	1.57	1.52	1.56	1.64	1.59	1.59	1.52	1.86	1.94	1.88	1.52	1.56
Other durable goods ³	2.70	2.61	2.62	2.61	2.57	2.54	2.47	2.45	2.44	2.44	2.43	2.45	2.48	2.44	2.46	2.41	2.46	2.40	2.37	2.28
Nondurable goods .....	.93	.93	.93	.92	.92	.93	.93	.94	.98	.99	1.00	1.02	1.02	1.02	1.03	1.04	1.04	1.02	1.03	1.02
Food stores .....	.60	.59	.58	.59	.59	.60	.62	.61	.61	.62	.62	.64	.65	.65	.66	.67	.68	.68	.69	.68
Other nondurable goods	1.11	1.12	1.12	1.10	1.09	1.10	1.10	1.11	1.17	1.18	1.21	1.22	1.21	1.21	1.22	1.22	1.22	1.19	1.20	1.19

See footnotes at the end of the table.

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

	1987				1988				1989				1990				1991			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	1.41	1.41	1.40	1.42	1.41	1.41	1.41	1.41	1.42	1.44	1.45	1.46	1.45	1.46	1.47	1.51	1.52	1.48	1.47	1.48
Manufacturing	1.44	1.44	1.44	1.43	1.43	1.42	1.43	1.44	1.44	1.48	1.51	1.52	1.52	1.52	1.52	1.57	1.60	1.54	1.51	1.52
Durable goods	1.80	1.81	1.79	1.78	1.77	1.75	1.75	1.76	1.79	1.84	1.87	1.89	1.90	1.88	1.90	1.97	2.04	1.93	1.87	1.87
Primary metal industries	1.86	1.76	1.70	1.66	1.73	1.64	1.66	1.68	1.73	1.80	1.81	1.87	1.80	1.81	1.82	1.83	1.97	1.92	1.84	1.83
Fabricated metal products	1.72	1.71	1.72	1.74	1.69	1.68	1.74	1.71	1.72	1.76	1.81	1.80	1.80	1.74	1.76	1.80	1.87	1.80	1.76	1.72
Industrial machinery and equipment	2.26	2.25	2.13	2.12	2.10	2.06	2.04	2.09	2.11	2.09	2.14	2.13	2.09	2.14	2.11	2.09	2.22	2.17	2.15	2.11
Electronic and other electric equipment	1.86	1.84	1.80	1.80	1.74	1.70	1.67	1.71	1.68	1.69	1.75	1.80	1.77	1.77	1.79	1.78	1.77	1.71	1.69	1.65
Transportation equipment	1.78	1.83	1.91	1.88	1.87	1.91	1.90	1.87	1.93	2.04	2.07	2.18	2.27	2.15	2.20	2.50	2.61	2.33	2.15	2.18
Motor vehicles and equipment .....	.61	.64	.67	.65	.63	.61	.60	.57	.57	.61	.63	.61	.66	.60	.62	.77	.84	.71	.64	.66
Other transportation equipment	3.66	3.63	3.70	3.74	3.68	3.92	3.96	4.01	4.30	4.35	4.24	4.84	4.44	4.44	4.41	4.58	4.59	4.33	4.23	4.17
Other durable goods ¹	1.57	1.58	1.56	1.54	1.57	1.53	1.53	1.55	1.58	1.63	1.65	1.59	1.59	1.61	1.64	1.66	1.68	1.62	1.61	1.65
Nondurable goods	1.08	1.08	1.08	1.09	1.09	1.09	1.10	1.10	1.08	1.11	1.13	1.13	1.13	1.14	1.14	1.16	1.18	1.16	1.15	1.16
Food and kindred products .....	.86	.89	.89	.88	.87	.88	.86	.88	.86	.87	.90	.91	.91	.92	.95	.93	.94	.93	.93	.94
Paper and allied products	1.16	1.16	1.13	1.12	1.10	1.10	1.12	1.12	1.09	1.13	1.19	1.19	1.18	1.19	1.18	1.19	1.25	1.22	1.18	1.22
Chemicals and allied products	1.22	1.18	1.20	1.21	1.22	1.22	1.23	1.22	1.25	1.27	1.29	1.27	1.26	1.28	1.26	1.28	1.34	1.32	1.31	1.32
Petroleum and coal products .....	.78	.77	.80	.84	.83	.84	.84	.82	.79	.87	.84	.82	.87	.88	.81	.92	.85	.85	.89	.92
Rubber and miscellaneous plastic products	1.26	1.27	1.31	1.26	1.28	1.29	1.31	1.28	1.32	1.31	1.36	1.36	1.30	1.32	1.31	1.38	1.43	1.41	1.35	1.36
Other nondurable goods ²	1.26	1.24	1.23	1.25	1.27	1.27	1.28	1.28	1.25	1.27	1.30	1.31	1.30	1.28	1.31	1.32	1.33	1.33	1.31	1.30
Merchant wholesalers	1.34	1.35	1.33	1.36	1.37	1.37	1.37	1.33	1.33	1.35	1.35	1.33	1.34	1.35	1.37	1.42	1.43	1.39	1.37	1.40
Durable goods	1.92	1.93	1.87	1.93	1.98	1.90	1.92	1.84	1.84	1.88	1.87	1.83	1.78	1.80	1.86	1.90	1.95	1.88	1.82	1.87
Nondurable goods .....	.86	.87	.88	.90	.88	.93	.91	.90	.90	.89	.90	.91	.94	.94	.95	.99	.99	.97	.99	1.00
Groceries and farm products .....	.77	.80	.79	.80	.80	.87	.87	.81	.78	.77	.77	.81	.84	.83	.83	.88	.89	.88	.92	.91
Other nondurable goods .....	.94	.92	.96	.96	.96	.98	.94	.97	.98	.99	1.00	.98	1.01	1.02	1.03	1.08	1.07	1.04	1.04	1.08
Retail trade	1.43	1.42	1.40	1.45	1.40	1.41	1.42	1.42	1.47	1.46	1.44	1.48	1.44	1.48	1.47	1.49	1.48	1.46	1.48	1.50
Durable goods	2.13	2.09	1.99	2.12	1.98	2.01	2.07	2.07	2.19	2.13	2.05	2.19	2.06	2.16	2.18	2.20	2.18	2.14	2.18	2.17
Motor vehicle dealers ³	2.02	1.89	1.73	1.93	1.70	1.77	1.85	1.87	2.05	1.95	1.79	2.06	1.83	1.95	1.99	2.03	2.00	1.96	2.00	1.98
Other durable goods ³	2.28	2.37	2.34	2.38	2.36	2.31	2.36	2.33	2.37	2.37	2.39	2.38	2.34	2.43	2.42	2.43	2.42	2.38	2.41	2.43
Nondurable goods	1.03	1.04	1.04	1.05	1.06	1.05	1.04	1.03	1.04	1.07	1.07	1.07	1.07	1.07	1.06	1.07	1.08	1.08	1.09	1.12
Food stores .....	.69	.69	.68	.68	.70	.69	.70	.70	.70	.72	.73	.74	.74	.74	.75	.76	.78	.78	.78	.79
Other nondurable goods	1.20	1.21	1.22	1.23	1.23	1.22	1.21	1.18	1.21	1.23	1.23	1.23	1.23	1.23	1.21	1.22	1.23	1.22	1.23	1.28

	1992				1993				1994				1995				1996			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Manufacturing and trade	1.46	1.45	1.44	1.43	1.43	1.44	1.43	1.42	1.40	1.41	1.40	1.39	1.40	1.42	1.42	1.40	1.40	1.39	1.38	1.37
Manufacturing	1.50	1.47	1.47	1.44	1.43	1.44	1.45	1.41	1.40	1.39	1.38	1.36	1.36	1.39	1.39	1.38	1.40	1.37	1.37	1.37
Durable goods	1.84	1.78	1.77	1.71	1.70	1.71	1.73	1.65	1.64	1.63	1.61	1.59	1.57	1.60	1.60	1.58	1.61	1.56	1.56	1.55
Primary metal industries	1.80	1.77	1.80	1.75	1.70	1.71	1.74	1.70	1.67	1.62	1.60	1.57	1.59	1.63	1.63	1.59	1.61	1.58	1.57	1.56
Fabricated metal products	1.76	1.74	1.73	1.67	1.67	1.64	1.67	1.59	1.54	1.55	1.55	1.55	1.55	1.60	1.58	1.55	1.57	1.50	1.53	1.55
Industrial machinery and equipment	2.06	1.99	2.01	1.97	1.89	1.93	1.92	1.86	1.90	1.88	1.84	1.81	1.82	1.81	1.81	1.79	1.78	1.73	1.70	1.65
Electronic and other electric equipment	1.64	1.62	1.57	1.55	1.58	1.56	1.54	1.53	1.50	1.49	1.50	1.50	1.51	1.50	1.49	1.49	1.49	1.49	1.50	1.45
Transportation equipment	2.09	1.95	1.93	1.79	1.78	1.81	1.92	1.72	1.67	1.71	1.65	1.60	1.53	1.57	1.57	1.52	1.62	1.51	1.50	1.56
Motor vehicles and equipment .....	.68	.64	.67	.61	.59	.61	.65	.58	.56	.57	.57	.56	.55	.59	.57	.57	.82	.56	.56	.58
Other transportation equipment	3.96	3.83	3.78	3.59	3.78	3.80	4.15	3.96	4.00	4.25	4.13	4.08	3.88	3.83	4.01	3.87	4.17	3.85	3.84	3.79
Other durable goods ¹	1.62	1.62	1.59	1.59	1.60	1.60	1.58	1.54	1.57	1.53	1.52	1.50	1.48	1.54	1.54	1.56	1.58	1.53	1.54	1.53
Nondurable goods	1.16	1.16	1.18	1.17	1.15	1.18	1.17	1.15	1.14	1.14	1.13	1.12	1.13	1.16	1.16	1.16	1.16	1.15	1.15	1.15
Food and kindred products .....	.95	.94	.95	.94	.94	.94	.91	.92	.92	.94	.90	.93	.93	.93	.92	.93	.93	.93	.95	.95
Paper and allied products	1.23	1.24	1.23	1.22	1.23	1.21	1.20	1.20	1.19	1.19	1.15	1.12	1.12	1.17	1.22	1.25	1.27	1.22	1.22	1.20
Chemicals and allied products	1.33	1.32	1.34	1.36	1.33	1.34	1.36	1.33	1.32	1.29	1.28	1.29	1.29	1.36	1.35	1.35	1.38	1.36	1.36	1.35
Petroleum and coal products .....	.86	.90	.92	.91	.85	.91	.89	.88	.85	.85	.88	.88	.85	.90	.87	.86	.84	.86	.84	.82
Rubber and miscellaneous plastic products	1.30	1.30	1.30	1.32	1.26	1.28	1.28	1.25	1.25	1.21	1.23	1.21	1.24	1.28	1.26	1.25	1.27	1.22	1.24	1.26
Other nondurable goods ²	1.33	1.30	1.32	1.30	1.31	1.36	1.36	1.33	1.32	1.30	1.28	1.30	1.32	1.33	1.34	1.31	1.30	1.26	1.25	1.26
Merchant wholesalers	1.39	1.41	1.38	1.40	1.38	1.38	1.38	1.39	1.36	1.36	1.35	1.36	1.36	1.37	1.37	1.35	1.35	1.35	1.32	1.31
Durable goods	1.83	1.84	1.80	1.78	1.74	1.72	1.69	1.70	1.66	1.68	1.65	1.64	1.66	1.67	1.66	1.64	1.63	1.61	1.62	1.58
Nondurable goods	1.01	1.03	1.00	1.05	1.04	1.06	1.07	1.08	1.06	1.05	1.05	1.07	1.06	1.07	1.08	1.05	1.05	1.07	1.00	1.00
Groceries and farm products .....	.91	.92	.87	.93	.93	.95	.93	.98	.99	.95	.92	.93	.90	.89	.94	.91	.91	.94	.83	.82
Other nondurable goods	1.09	1.10	1.10	1.13	1.13	1.14	1.17	1.15	1.11	1.12	1.15	1.17	1.18	1.20	1.18	1.15	1.15	1.15	1.11	1.13
Retail trade	1.46	1.47	1.46	1.45	1.50	1.48	1.46	1.45	1.45	1.47	1.47	1.47	1.50	1.51	1.49	1.48	1.44	1.44	1.46	1.45
Durable goods	2.09	2.10	2.06	2.01	2.11	2.08	2.01	1.97	1.98	1.98	1.99	1.97	2.06	2.07	2.03	2.01	1.93	1.94	1.97	1.95
Motor vehicle dealers ³	1.91	1.93	1.89	1.84	1.99	1.94	1.85	1.75	1.77	1.77	1.81	1.79								

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

	1997				1998				1999			1997								1998	
	I	II	III	IV	I	II	III	IV	I	II	III	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
Manufacturing and trade	1.36	1.37	1.36	1.37	1.37	1.37	1.37	1.36	1.34	1.32	1.31	1.36	1.35	1.36	1.35	1.36	1.37	1.36	1.36	1.36	
Manufacturing	1.36	1.36	1.34	1.34	1.35	1.37	1.37	1.35	1.33	1.31	1.30	1.35	1.33	1.35	1.33	1.35	1.35	1.33	1.35	1.34	
Durable goods	1.54	1.53	1.49	1.49	1.49	1.52	1.50	1.46	1.45	1.41	1.38	1.51	1.49	1.51	1.48	1.50	1.50	1.47	1.51	1.48	
Primary metal industries	1.54	1.52	1.52	1.54	1.51	1.57	1.62	1.66	1.59	1.56	1.49	1.53	1.51	1.54	1.51	1.51	1.52	1.53	1.53	1.50	
Fabricated metal products	1.57	1.56	1.55	1.55	1.58	1.59	1.57	1.57	1.59	1.58	1.59	1.56	1.55	1.55	1.54	1.54	1.56	1.54	1.57	1.54	
Industrial machinery and equipment	1.64	1.59	1.54	1.53	1.48	1.44	1.43	1.42	1.42	1.36	1.31	1.55	1.53	1.57	1.51	1.52	1.55	1.50	1.47	1.48	
Electronic and other electric equipment	1.41	1.40	1.36	1.37	1.38	1.36	1.29	1.25	1.27	1.24	1.21	1.37	1.41	1.37	1.32	1.36	1.37	1.35	1.41	1.36	
Transportation equipment	1.56	1.57	1.51	1.50	1.52	1.63	1.62	1.49	1.45	1.38	1.34	1.55	1.49	1.54	1.53	1.56	1.51	1.48	1.58	1.52	
Motor vehicles and equipment .....	.56	.56	.53	.51	.54	.57	.55	.54	.52	.52	.49	.56	.52	.53	.55	.52	.52	.51	.54	.52
Other transportation equipment	3.91	3.70	3.77	3.74	3.64	3.85	3.85	3.37	3.45	3.30	3.36	3.68	3.76	3.92	3.72	4.11	3.60	3.67	3.78	3.69	
Other durable goods ¹	1.51	1.50	1.49	1.49	1.49	1.50	1.50	1.48	1.49	1.48	1.49	1.49	1.47	1.52	1.46	1.48	1.51	1.47	1.50	1.48	
Nondurable goods	1.14	1.15	1.15	1.16	1.16	1.18	1.19	1.20	1.18	1.18	1.18	1.15	1.14	1.15	1.15	1.15	1.16	1.15	1.15	1.16	
Food and kindred products .....	.95	.96	.96	.96	.94	.95	.94	.93	.94	.95	.95	.96	.96	.96	.97	.97	.96	.95	.94	.95
Paper and allied products	1.19	1.15	1.16	1.15	1.18	1.20	1.21	1.20	1.18	1.21	1.20	1.16	1.14	1.16	1.15	1.13	1.15	1.13	1.17	1.18	
Chemicals and allied products	1.34	1.34	1.37	1.39	1.44	1.47	1.52	1.50	1.48	1.46	1.43	1.35	1.35	1.36	1.36	1.38	1.40	1.38	1.41	1.43	
Petroleum and coal products .....	.86	.87	.84	.85	.81	.83	.85	.90	.81	.84	.84	.86	.81	.83	.87	.85	.87	.84	.80	.81
Rubber and miscellaneous plastic products	1.25	1.25	1.25	1.24	1.26	1.28	1.29	1.30	1.27	1.29	1.30	1.27	1.25	1.27	1.24	1.23	1.26	1.22	1.26	1.26	
Other nondurable goods ²	1.25	1.28	1.26	1.27	1.28	1.29	1.31	1.35	1.31	1.29	1.29	1.28	1.25	1.28	1.26	1.27	1.27	1.26	1.26	1.27	
Merchant wholesalers	1.30	1.32	1.32	1.34	1.34	1.33	1.35	1.35	1.33	1.31	1.32	1.31	1.30	1.32	1.32	1.32	1.34	1.34	1.32	1.33	
Durable goods	1.58	1.61	1.59	1.59	1.60	1.58	1.61	1.63	1.59	1.56	1.55	1.59	1.56	1.59	1.57	1.56	1.58	1.59	1.57	1.59	
Nondurable goods .....	.99	1.00	1.03	1.06	1.04	1.04	1.06	1.04	1.03	1.02	1.04	.99	1.01	1.03	1.03	1.04	1.06	1.05	1.03	1.04
Groceries and farm products .....	.82	.83	.85	.87	.86	.87	.92	.88	.92	.90	.97	.82	.84	.85	.84	.86	.89	.88	.86	.86
Other nondurable goods	1.11	1.12	1.15	1.19	1.16	1.16	1.17	1.14	1.11	1.10	1.11	1.12	1.12	1.13	1.15	1.17	1.17	1.15	1.16	1.16	
Retail trade	1.42	1.44	1.42	1.43	1.43	1.39	1.40	1.38	1.35	1.35	1.34	1.43	1.42	1.40	1.42	1.43	1.43	1.43	1.42	1.42	
Durable goods	1.90	1.93	1.87	1.89	1.85	1.78	1.81	1.77	1.71	1.71	1.66	1.91	1.89	1.85	1.87	1.90	1.88	1.86	1.84	1.84	
Motor vehicle dealers ³	1.77	1.81	1.75	1.81	1.78	1.69	1.76	1.71	1.63	1.61	1.59	1.79	1.77	1.72	1.75	1.82	1.81	1.78	1.78	1.78	
Other durable goods ³	2.06	2.07	2.03	1.98	1.94	1.90	1.87	1.84	1.80	1.82	1.82	2.06	2.05	2.00	2.01	2.00	1.97	1.97	1.91	1.92	
Nondurable goods	1.09	1.11	1.10	1.11	1.12	1.11	1.11	1.09	1.08	1.07	1.06	1.10	1.09	1.09	1.10	1.10	1.10	1.11	1.12	1.11	
Food stores .....	.83	.84	.85	.84	.85	.85	.84	.83	.84	.84	.85	.84	.84	.85	.85	.84	.85	.85	.85	.85
Other nondurable goods	1.19	1.20	1.19	1.21	1.22	1.20	1.20	1.18	1.16	1.15	1.13	1.19	1.19	1.17	1.19	1.19	1.19	1.21	1.21	1.20	

	1998										1999									
	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct. ^P
Manufacturing and trade	1.36	1.36	1.37	1.36	1.37	1.37	1.36	1.36	1.36	1.34	1.35	1.33	1.32	1.33	1.32	1.31	1.31	1.30	1.32	1.31
Manufacturing	1.33	1.35	1.37	1.37	1.37	1.37	1.35	1.36	1.36	1.34	1.34	1.33	1.32	1.33	1.32	1.30	1.30	1.29	1.30	1.30
Durable goods	1.46	1.50	1.51	1.51	1.51	1.50	1.47	1.47	1.47	1.45	1.45	1.46	1.43	1.43	1.41	1.40	1.39	1.37	1.39	1.39
Primary metal industries	1.51	1.53	1.57	1.59	1.60	1.60	1.62	1.65	1.67	1.67	1.64	1.63	1.56	1.59	1.57	1.54	1.52	1.49	1.48	1.51
Fabricated metal products	1.56	1.59	1.57	1.59	1.56	1.58	1.57	1.58	1.58	1.56	1.57	1.59	1.59	1.59	1.60	1.58	1.60	1.57	1.60	1.62
Industrial machinery and equipment	1.45	1.45	1.46	1.41	1.41	1.43	1.43	1.42	1.44	1.41	1.42	1.40	1.40	1.37	1.36	1.36	1.27	1.30	1.33	1.25
Electronic and other electric equipment	1.36	1.39	1.40	1.33	1.31	1.31	1.26	1.28	1.26	1.24	1.23	1.27	1.26	1.24	1.23	1.20	1.20	1.20	1.21	1.23
Transportation equipment	1.46	1.56	1.58	1.70	1.73	1.60	1.53	1.51	1.49	1.49	1.48	1.48	1.41	1.44	1.39	1.35	1.39	1.31	1.37	1.39
Motor vehicles and equipment .....	.52	.53	.54	.60	.59	.53	.52	.51	.53	.53	.52	.52	.51	.52	.52	.49	.50	.49	.50	.52
Other transportation equipment	3.49	3.74	3.80	3.86	4.09	3.90	3.59	3.46	3.33	3.49	3.56	3.56	3.35	3.40	3.22	3.43	3.65	3.11	3.47	3.39
Other durable goods ¹	1.47	1.51	1.52	1.47	1.48	1.52	1.50	1.50	1.49	1.46	1.49	1.46	1.48	1.47	1.48	1.47	1.50	1.49	1.48	1.47
Nondurable goods	1.16	1.17	1.18	1.18	1.20	1.19	1.19	1.21	1.21	1.18	1.20	1.17	1.17	1.19	1.19	1.17	1.18	1.17	1.18	1.17
Food and kindred products .....	.94	.94	.96	.95	.95	.94	.93	.93	.93	.92	.94	.94	.93	.95	.95	.94	.95	.94	.94	.95
Paper and allied products	1.18	1.19	1.19	1.20	1.22	1.22	1.22	1.22	1.21	1.18	1.19	1.16	1.20	1.21	1.22	1.21	1.22	1.17	1.20	1.21
Chemicals and allied products	1.45	1.47	1.47	1.48	1.54	1.55	1.51	1.54	1.53	1.46	1.52	1.48	1.46	1.47	1.49	1.45	1.46	1.43	1.43	1.43
Petroleum and coal products .....	.77	.82	.86	.84	.87	.84	.84	.84	.84	.84	.84	.78	.88	.87	.81	.82	.85	.86	.86	.86
Rubber and miscellaneous plastic products	1.26	1.26	1.26	1.30	1.28	1.28	1.28	1.29	1.31	1.29	1.31	1.26	1.26	1.29	1.28	1.31	1.28	1.30	1.30	1.30
Other nondurable goods ²	1.28	1.28	1.30	1.29	1.28	1.30	1.33	1.35	1.34	1.36	1.32	1.31	1.31	1.30	1.29	1.29	1.28	1.29	1.30	1.29
Merchant wholesalers	1.33	1.32	1.33	1.33	1.32	1.34	1.35	1.35	1.35	1.33	1.34	1.32	1.31	1.32	1.30	1.29	1.30	1.31	1.32	1.31
Durable goods	1.59	1.57	1.59	1.58	1.57	1.59	1.61	1.62	1.62	1.60	1.61	1.58	1.57	1.56	1.55	1.54	1.55	1.53	1.54	1.55
Nondurable goods	1.03	1.03	1.03	1.04	1.04	1.06	1.05	1.04	1.04	1.02	1.03	1.03	1.01	1.04	1.02	1.00	1.02	1.04	1.05	1.03
Groceries and farm products .....	.86	.85	.85	.86	.86	.88	.91	.90	.89	.88	.91	.89	.90	.92	.91	.90	.90	.95	.97	.92
Other nondurable goods	1.15	1.15	1.15	1.16	1.16	1.17	1.15	1.15	1.13	1.12	1.11	1.12	1.09	1.12	1.10	1.07	1.10	1.10	1.12	1.11
Retail trade	1.42	1.42	1.40	1.39	1.40	1.40	1.40	1.38	1.38	1.37	1.37	1.34	1.34	1.35	1.33	1.34	1.33	1.33	1.34	1.33
Durable goods	1.85	1.85	1.81	1.76	1.81	1.80	1.80	1.77	1.77	1.74	1.69	1.71	1.69	1.71	1.68	1.71	1.66	1.64	1.66	1.66
Motor vehicle dealers ³	1.78	1.78	1.76	1.68	1.75	1.74	1.75	1.72	1.72	1.68	1.67	1.60	1.63	1.62	1.57	1.60	1.58	1.55	1.60	1.60
Other durable goods ³	1.93	1.92	1.87	1.88	1.87	1.87	1.86	1.83	1.83	1.82	1.82	1.78	1.79	1.80	1.80	1.83	1.83	1.81	1.80	1.78
Nondurable goods	1.11	1.11	1.10	1.11	1.10	1.11	1.10	1.09	1.08	1.09	1.08	1.07	1.07	1.07	1.07	1.07	1.06	1.06	1.06	1.06
Food stores .....	.85	.85	.84	.85	.85	.84	.84	.84	.84	.83	.85	.84	.84	.84	.84	.84	.84	.84	.85	.85
Other nondurable goods	1.21	1.21	1.19	1.20	1.19	1.20	1.20	1.18	1.17	1.17	1.16	1.15	1.15	1.15	1.14	1.14	1.13	1.13	1.13	1.12

^P Preliminary.

1. Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; and miscellaneous manufacturing industries.

2. Includes tobacco manufacturers; textile mill products; apparel products; printing and publishing; and leather and leather products.

3. Prior to 1981, inventories and sales of auto and home supply stores are included in motor vehicle dealers. Beginning with 1981, these inventories are included in "other durable goods."

NOTE.—Manufacturing inventories are classified by the type of product produced by the establishment holding the inventory. Trade inventories are classified by the type of product sold by the establishment holding the inventory.

Table 4.—Real Manufacturing Inventories by Stage of Fabrication, Seasonally Adjusted, End of Period
[Billions of chained (1996) dollars]

	1977				1978				1979				1980				1981			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Materials and supplies																				
Manufacturing	110.4	113.4	114.1	112.5	111.9	113.8	116.3	116.9	118.7	118.7	120.0	121.4	123.4	123.4	120.8	120.7	121.7	121.2	122.2	121.3
Durable goods	60.9	62.7	62.8	62.0	61.5	63.0	65.3	65.5	67.1	67.6	68.4	69.9	70.6	70.3	68.8	68.7	69.6	69.3	70.0	69.1
Primary metal industries	13.2	13.2	13.0	12.4	11.5	11.6	11.8	11.7	11.4	11.5	11.7	12.0	12.1	12.4	11.8	11.5	12.0	11.5	11.9	12.1
Fabricated metal products	10.7	11.3	11.2	10.8	10.9	11.0	11.3	11.4	11.6	11.7	11.8	11.6	11.6	11.3	10.7	10.8	10.8	10.6	10.8	10.5
Industrial machinery and equipment	8.1	8.1	8.2	8.4	8.5	8.9	9.3	9.4	9.6	9.7	10.0	10.5	10.7	10.8	10.9	10.8	10.7	10.9	11.1	11.1
Electronic and other electric equipment	5.7	5.8	6.0	6.0	6.1	6.5	6.8	6.9	7.3	7.7	7.5	7.8	8.0	8.1	8.2	8.1	8.2	8.4	8.5	8.3
Motor vehicles and equipment	7.1	7.3	7.8	7.6	7.4	7.7	8.3	7.9	8.9	8.4	8.8	8.2	7.7	6.9	6.0	6.5	6.7	6.3	6.1	5.6
Other transportation equipment	3.9	4.8	4.6	4.4	4.5	4.4	4.9	5.1	5.0	5.1	5.3	6.1	6.5	6.8	6.9	7.0	7.3	7.3	7.2	7.2
Other durable goods ¹	14.1	14.3	14.2	14.3	14.4	14.6	14.9	14.9	15.1	15.2	15.2	15.4	15.6	15.6	15.5	15.5	15.6	15.7	15.7	15.4
Nondurable goods	49.6	50.8	51.5	50.6	50.4	50.8	50.8	51.3	51.4	50.8	51.3	51.0	52.4	52.8	51.7	51.6	51.7	51.5	51.7	51.9
Food and kindred products	11.2	11.7	12.0	10.7	10.5	10.5	10.4	10.3	10.4	10.2	10.2	10.7	10.8	10.9	10.6	10.6	10.4	10.3	10.7	10.4
Paper and allied products	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.9	6.2	6.0	5.9	6.0	6.0	6.1	6.0
Chemicals and allied products	9.1	9.3	9.6	9.8	9.9	10.2	10.4	10.5	10.7	10.7	10.5	10.5	11.3	11.0	10.7	10.9	10.7	10.8	10.7	10.7
Petroleum and coal products	2.9	2.9	2.9	3.0	3.1	3.1	3.1	3.1	3.0	2.9	3.0	2.9	2.8	2.9	3.1	3.0	3.0	3.1	2.9	3.0
Rubber and miscellaneous plastic products	3.7	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.1	4.2	4.1	3.8	4.0	4.1	4.0	4.1	4.0
Other nondurable goods ²	17.4	17.7	17.7	18.0	17.8	17.7	17.5	17.8	17.7	17.3	17.6	17.2	17.6	17.9	17.5	17.2	17.4	17.2	17.3	17.7
Work-in-process																				
Manufacturing	101.4	99.9	102.7	104.2	106.1	108.2	109.2	112.0	112.9	115.9	117.5	119.4	120.5	120.6	119.4	119.6	120.5	119.3	119.3	117.7
Durable goods	82.5	81.0	83.3	84.5	86.4	88.4	89.2	91.6	92.4	95.1	96.3	98.5	99.1	99.3	98.3	98.2	99.2	98.4	98.6	97.0
Primary metal industries	10.8	10.7	10.8	10.7	10.5	10.8	11.1	11.5	11.0	11.3	11.5	11.6	11.1	11.7	10.9	11.1	11.7	11.5	11.7	11.8
Fabricated metal products	8.9	8.8	9.4	9.6	10.2	10.2	10.2	10.1	10.0	10.3	10.1	10.1	10.1	9.8	9.7	9.9	9.6	9.4	9.2	9.2
Industrial machinery and equipment	12.5	12.4	12.6	12.8	13.2	13.6	13.9	14.4	14.7	15.1	15.4	15.9	16.2	16.4	16.4	16.4	16.5	16.1	16.3	16.1
Electronic and other electric equipment	7.7	8.0	8.3	8.7	9.1	9.3	9.5	9.8	10.3	10.7	11.3	11.7	11.7	11.5	11.5	11.6	11.9	12.1	12.3	12.1
Motor vehicles and equipment	6.5	6.8	6.7	7.0	7.1	7.2	7.1	7.4	7.3	6.8	6.4	6.0	5.7	5.9	5.4	5.1	5.0	4.9	4.6	4.6
Other transportation equipment	25.7	23.3	24.3	24.3	24.6	25.5	25.0	26.0	26.2	27.9	28.7	30.5	31.3	31.4	31.2	30.9	31.6	31.5	31.0	30.2
Other durable goods ¹	10.4	10.3	10.7	10.8	11.0	11.1	11.3	11.4	11.5	11.5	11.4	11.5	11.7	11.7	11.5	11.6	11.7	11.6	11.6	11.6
Nondurable goods	18.7	18.8	19.3	19.7	19.5	19.6	19.8	20.1	20.1	20.5	20.9	20.6	21.1	20.9	20.8	21.0	21.0	20.6	20.4	20.3
Food and kindred products	3.2	3.1	3.1	3.2	3.1	3.1	3.3	3.5	3.4	3.6	3.8	3.7	3.9	3.7	3.6	3.5	3.7	3.6	3.5	3.5
Paper and allied products	1.1	1.0	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Chemicals and allied products	3.9	4.0	4.0	4.1	4.0	4.0	4.2	4.3	4.3	4.3	4.5	4.2	4.5	4.5	4.5	4.6	4.7	4.5	4.5	4.4
Petroleum and coal products	1.9	2.0	2.2	2.2	2.1	2.0	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.3	2.3	2.2	2.3
Rubber and miscellaneous plastic products	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.6	1.7	1.7	1.5	1.5	1.6	1.7	1.6	1.6	1.6
Other nondurable goods ²	7.1	7.1	7.2	7.4	7.6	7.6	7.6	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.3	7.3	7.3	7.4	7.3
Finished goods																				
Manufacturing	98.0	98.9	99.6	100.9	100.9	101.6	102.0	103.2	103.8	104.4	104.0	104.0	106.0	107.4	105.5	104.9	106.5	108.2	109.9	110.9
Durable goods	46.2	46.3	46.0	46.7	47.2	47.7	47.7	48.7	50.2	50.8	50.7	50.6	51.3	52.0	51.5	52.0	52.2	52.6	54.1	54.7
Primary metal industries	7.8	8.0	8.0	8.0	7.8	8.0	7.9	7.8	7.5	7.7	7.6	7.7	7.7	7.5	7.4	7.6	7.9	8.1	8.6	8.8
Fabricated metal products	6.4	6.2	6.3	6.5	6.4	6.5	6.6	6.7	7.0	6.9	7.0	7.1	7.2	7.1	7.1	7.2	7.0	7.1	7.3	7.2
Industrial machinery and equipment	8.7	8.7	8.5	8.8	8.9	9.0	9.0	9.5	10.0	10.3	10.5	10.3	10.4	11.0	11.1	11.1	11.3	11.2	11.4	11.8
Electronic and other electric equipment	4.7	4.8	4.7	4.8	5.0	5.3	5.3	5.2	5.0	4.8	5.0	5.4	5.7	5.8	5.5	5.5	5.6	5.6	5.9	5.9
Motor vehicles and equipment	2.5	2.6	2.7	2.6	2.7	2.5	2.4	2.5	3.0	3.1	2.9	2.6	2.6	2.5	2.4	2.3	2.2	2.2	2.2	2.1
Other transportation equipment	2.6	2.6	2.5	2.5	2.7	2.5	2.7	2.7	3.3	3.5	3.5	3.2	3.4	3.6	3.8	3.9	3.9	3.9	4.0	4.3
Other durable goods ¹	13.5	13.5	13.4	13.4	13.8	13.7	13.7	14.0	14.4	14.6	14.2	14.1	14.3	14.2	14.1	14.3	14.2	14.3	14.6	14.4
Nondurable goods	51.8	52.6	53.7	54.2	53.7	54.0	54.4	54.5	53.4	53.3	53.0	53.2	54.4	55.2	53.8	52.5	54.0	55.3	55.6	55.8
Food and kindred products	15.2	15.3	15.6	15.6	15.4	15.4	15.5	15.7	16.0	16.4	16.0	15.6	15.7	15.6	15.7	15.4	15.8	16.2	16.1	16.0
Paper and allied products	3.4	3.4	3.6	3.6	3.7	3.8	3.8	3.6	3.5	3.6	3.4	3.6	3.7	3.8	3.8	3.7	3.7	3.7	3.8	4.0
Chemicals and allied products	13.1	13.3	13.8	14.0	14.2	14.1	14.1	14.0	13.1	12.8	13.0	13.3	13.5	14.1	13.3	13.1	13.3	14.0	14.3	14.6
Petroleum and coal products	4.7	5.1	5.1	5.1	4.7	4.6	4.5	4.7	4.0	4.0	4.3	4.7	5.2	5.4	5.2	4.8	5.2	5.4	5.3	5.1
Rubber and miscellaneous plastic products	4.3	4.5	4.6	4.6	4.6	4.7	4.7	4.8	4.7	4.8	4.7	4.6	4.6	4.5	4.3	4.3	4.3	4.4	4.5	4.5
Other nondurable goods ²	11.0	11.0	11.0	11.3	11.2	11.5	11.8	11.7	12.0	11.9	11.5	11.2	11.4	11.4	11.2	11.0	11.1	11.0	11.1	11.6

See footnotes at the end of the table.

Table 4.—Real Manufacturing Inventories by Stage of Fabrication, Seasonally Adjusted, End of Period—Continued
 [Billions of chained (1996) dollars]

	1982				1983				1984				1985				1986			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Materials and supplies																				
Manufacturing	120.0	119.0	117.2	115.3	111.9	113.0	114.2	116.3	118.4	120.8	124.2	122.9	121.6	121.5	119.6	120.1	118.3	118.9	118.4	119.5
Durable goods	67.6	66.5	65.0	63.5	60.9	61.5	62.2	63.7	65.2	66.9	69.3	69.0	68.1	67.8	67.1	67.1	65.5	65.9	65.5	65.8
Primary metal industries	12.2	11.6	10.9	10.3	9.7	9.4	9.1	9.5	9.4	9.6	10.1	9.4	8.7	8.6	8.4	8.0	7.7	7.7	7.4	7.5
Fabricated metal products	10.1	9.8	9.7	9.3	9.0	9.1	9.4	9.4	9.6	9.9	9.9	10.0	9.7	9.5	9.6	9.6	9.7	10.0	9.8	9.5
Industrial machinery and equipment	11.1	11.0	10.7	10.5	10.3	10.3	10.1	10.1	10.4	10.5	11.1	10.8	10.8	10.8	10.5	10.3	9.8	9.9	10.0	10.0
Electronic and other electric equipment	8.0	7.8	7.7	7.6	7.5	7.6	7.7	8.0	8.2	8.6	9.0	9.2	9.3	9.1	8.9	8.8	8.7	8.8	8.7	8.5
Motor vehicles and equipment	5.0	4.9	4.7	4.7	4.4	4.7	4.9	5.3	5.7	5.8	6.0	6.2	6.1	6.2	6.3	6.4	6.0	5.8	5.9	5.7
Other transportation equipment	7.0	7.3	7.4	7.4	6.5	6.9	7.1	7.3	7.9	7.8	7.9	8.2	7.8	8.0	8.2	8.7	8.7	8.9	9.4	9.7
Other durable goods ¹	15.2	15.1	14.9	14.5	14.1	14.1	14.7	15.0	15.1	15.8	16.3	16.3	16.5	16.4	16.3	16.4	16.2	16.1	16.0	16.3
Nondurable goods	52.2	52.4	52.1	51.9	51.1	51.6	52.1	52.6	53.2	53.9	54.7	53.6	53.3	53.5	52.2	52.9	52.7	52.9	52.8	53.7
Food and kindred products	10.3	10.5	10.3	10.4	10.5	10.0	10.6	10.3	10.3	10.1	10.0	10.2	10.1	10.4	10.3	10.4	10.2	10.4	10.5	10.5
Paper and allied products	6.0	5.9	5.8	6.0	5.8	5.9	6.0	6.2	6.4	6.7	6.8	6.8	6.7	6.6	6.5	6.7	7.0	6.9	7.0	7.0
Chemicals and allied products	10.5	10.4	10.4	10.0	9.9	9.8	10.0	10.5	10.6	11.0	11.0	10.9	10.9	11.1	10.9	10.9	10.6	11.2	11.4	11.5
Petroleum and coal products	3.4	3.4	3.5	3.5	3.6	3.8	3.3	3.2	3.3	3.5	3.2	3.3	3.1	3.0	2.6	3.0	3.1	3.0	3.0	3.1
Rubber and miscellaneous plastic products	3.7	3.6	3.6	3.7	3.6	3.8	3.8	4.0	4.3	4.3	4.5	4.3	4.1	4.3	4.1	4.3	4.4	4.3	4.4	4.4
Other nondurable goods ²	17.9	18.3	18.0	17.9	17.2	17.8	18.1	18.2	18.2	18.4	18.9	18.3	18.3	18.1	17.9	17.6	17.5	17.1	16.6	17.4
Work-in-process																				
Manufacturing	115.2	114.9	113.4	111.5	108.9	109.0	109.4	110.9	114.0	118.7	121.9	124.0	123.1	122.8	123.5	121.6	121.7	121.2	119.7	118.5
Durable goods	94.6	94.2	92.9	91.7	88.9	88.9	88.7	90.3	92.8	96.9	100.1	102.3	101.9	101.8	102.3	100.1	100.6	99.7	98.4	96.7
Primary metal industries	11.4	10.7	10.5	10.0	9.4	9.2	9.4	9.7	9.8	10.3	10.1	9.8	9.7	9.1	8.7	8.4	8.3	8.2	8.1	8.2
Fabricated metal products	9.1	8.9	8.7	8.1	8.0	8.1	8.3	8.2	8.4	8.6	8.7	8.7	8.6	8.4	8.5	8.8	8.6	8.8	8.9	8.9
Industrial machinery and equipment	15.4	15.2	14.6	14.0	13.6	13.4	13.2	13.3	13.5	14.0	14.1	14.5	14.4	14.1	14.4	14.2	14.2	13.9	13.6	13.5
Electronic and other electric equipment	11.9	11.9	11.7	11.7	11.5	11.7	11.6	12.2	12.3	12.5	13.0	13.0	12.9	12.9	12.7	12.2	12.1	11.8	11.7	11.4
Motor vehicles and equipment	4.8	4.8	4.5	4.1	4.3	4.5	4.7	4.9	5.0	5.0	5.0	5.0	4.9	4.9	4.7	4.5	4.7	4.6	4.2	4.5
Other transportation equipment	29.4	30.2	30.8	32.6	30.9	30.2	29.8	30.0	31.8	34.3	37.0	38.0	37.8	38.0	38.0	36.9	37.8	37.4	36.4	34.5
Other durable goods ¹	11.5	11.4	11.3	11.1	10.9	11.3	11.3	11.6	11.9	12.3	12.8	13.5	14.0	14.5	15.0	14.8	15.0	15.0	15.4	15.5
Nondurable goods	20.3	20.4	20.3	19.6	19.8	20.0	20.6	20.4	21.0	21.6	21.5	21.3	20.7	20.5	20.7	21.2	20.5	21.1	21.0	21.7
Food and kindred products	3.3	3.3	3.4	3.5	3.4	3.3	3.3	3.3	3.3	3.5	3.4	3.3	3.3	3.2	3.2	3.3	3.3	3.3	3.2	3.2
Paper and allied products	1.2	1.2	1.3	1.2	1.2	1.3	1.2	1.3	1.3	1.3	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.5	1.5
Chemicals and allied products	4.4	4.5	4.3	4.2	4.2	4.1	4.2	4.4	4.3	4.9	5.0	4.7	4.8	4.9	4.9	4.8	4.6	4.7	4.8	4.9
Petroleum and coal products	2.6	2.5	2.5	2.3	2.5	2.4	2.5	2.2	2.4	2.4	2.2	2.2	1.9	2.0	1.8	2.2	1.9	2.3	2.2	2.5
Rubber and miscellaneous plastic products	1.7	1.7	1.7	1.5	1.4	1.5	1.6	1.7	1.7	1.9	1.7	1.8	1.7	1.7	1.8	1.8	1.8	1.7	1.7	1.8
Other nondurable goods ²	6.9	6.9	6.9	6.7	6.9	7.2	7.5	7.5	7.9	7.7	7.7	7.8	7.6	7.3	7.6	7.8	7.6	7.8	7.6	7.8
Finished goods																				
Manufacturing	111.4	108.4	109.7	107.5	104.5	104.9	106.3	106.8	108.3	112.1	115.4	115.8	115.7	115.9	114.8	114.6	114.6	114.9	114.0	114.8
Durable goods	55.0	55.3	55.8	53.2	51.5	51.9	51.8	52.1	52.3	53.8	55.6	56.7	56.9	57.2	56.0	55.2	54.8	54.7	54.6	54.7
Primary metal industries	8.7	8.2	8.1	7.7	7.4	7.7	7.4	6.9	7.2	7.3	7.4	7.5	7.1	7.1	7.1	7.1	6.9	6.9	6.2	6.2
Fabricated metal products	7.2	7.5	7.6	7.0	6.8	6.8	6.8	7.1	7.1	7.1	7.1	7.4	7.5	7.4	7.2	7.4	7.3	7.2	7.4	7.4
Industrial machinery and equipment	12.3	12.5	12.4	11.8	11.1	11.1	11.1	11.0	10.6	10.8	11.2	11.6	11.6	11.8	11.1	10.7	10.9	10.4	10.5	10.4
Electronic and other electric equipment	5.9	6.0	6.1	5.9	5.6	5.7	5.8	6.0	6.1	6.4	6.7	7.0	7.0	7.2	6.9	6.6	6.6	6.8	7.0	6.9
Motor vehicles and equipment	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.4	2.6	2.6	2.6	2.6	2.8	2.7	2.6	2.6	2.5	2.7
Other transportation equipment	4.4	4.4	4.6	4.5	4.3	4.2	4.0	4.2	3.8	4.1	4.2	4.1	4.2	4.1	4.2	4.1	3.9	4.0	4.0	4.1
Other durable goods ¹	14.1	14.4	14.5	14.0	14.1	14.1	14.4	14.6	15.3	15.8	16.2	16.6	16.7	16.8	16.7	16.9	16.9	17.1	17.1	17.3
Nondurable goods	56.1	52.6	53.4	53.9	52.7	52.7	54.4	54.4	55.7	58.2	59.7	58.8	58.6	58.4	58.6	59.3	59.6	60.1	59.4	60.0
Food and kindred products	15.7	14.7	15.6	15.7	15.3	15.1	15.1	15.1	15.5	15.7	15.5	15.3	15.5	15.3	15.7	15.7	15.5	15.4	15.2	15.5
Paper and allied products	4.2	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.2	4.5	4.6	4.8	4.7	4.8	4.7	4.6	4.8	4.8	4.7
Chemicals and allied products	14.8	14.0	13.6	13.5	13.2	13.6	13.9	13.9	14.4	15.1	16.1	15.7	15.0	15.5	15.9	15.6	16.0	15.8	15.2	16.0
Petroleum and coal products	5.2	4.2	4.6	5.1	4.7	4.3	5.1	4.9	5.1	5.3	5.4	5.2	5.3	5.1	4.5	4.8	4.6	5.3	5.1	5.4
Rubber and miscellaneous plastic products	4.4	4.4	4.2	4.2	4.3	4.2	4.3	4.2	4.2	4.5	4.6	4.6	4.7	4.6	4.9	4.8	4.9	4.9	4.8	4.8
Other nondurable goods ²	11.6	11.3	11.2	11.1	10.9	11.3	11.6	12.1	12.3	13.2	13.5	13.4	13.2	13.2	13.2	13.8	14.2	14.1	14.4	13.7

See footnotes at the end of the table.

Table 4.—Real Manufacturing Inventories by Stage of Fabrication, Seasonally Adjusted, End of Period—Continued
[Billions of chained (1996) dollars]

	1987				1988				1989				1990				1991			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Materials and supplies																				
Manufacturing	119.4	120.9	120.8	121.7	123.4	124.6	126.0	125.9	127.2	127.3	128.3	128.2	128.8	128.9	129.2	130.7	131.6	129.6	130.4	131.3
Durable goods	65.7	66.5	65.7	66.4	67.2	68.0	69.1	69.1	70.7	70.5	71.1	70.8	70.8	71.1	71.0	72.3	72.4	70.6	71.0	71.0
Primary metal industries	7.2	7.0	6.9	7.2	7.6	7.6	7.7	7.8	7.8	8.0	8.1	7.9	7.9	7.9	7.8	7.8	7.9	7.7	7.8	7.7
Fabricated metal products	9.4	9.5	9.6	9.7	9.7	9.9	10.0	10.0	10.4	10.0	10.2	9.9	9.9	9.7	9.8	9.6	9.9	9.3	9.4	9.2
Industrial machinery and equipment	10.0	10.2	10.2	10.5	10.7	10.9	11.4	11.3	11.7	11.7	11.8	11.7	11.7	11.8	11.7	11.9	12.0	11.7	11.5	11.4
Electronic and other electric equipment	8.5	8.8	8.7	8.7	8.6	8.6	8.7	8.8	8.9	8.9	9.3	9.5	9.6	9.4	9.3	9.2	9.2	9.3	9.5	9.7
Motor vehicles and equipment	5.8	5.7	5.6	5.7	5.5	5.6	5.8	5.4	5.6	5.6	5.4	5.4	5.5	5.6	5.4	5.9	6.0	5.8	5.7	6.1
Other transportation equipment	9.8	9.7	9.4	9.1	9.3	9.6	9.6	9.4	9.4	9.4	9.1	9.5	9.1	9.4	9.7	10.6	10.3	9.9	10.0	9.6
Other durable goods ¹	16.3	16.7	16.5	16.6	16.8	16.8	16.9	17.3	17.6	17.8	17.9	17.6	17.8	17.9	17.9	18.1	18.0	17.7	17.9	18.2
Nondurable goods	53.7	54.5	55.3	55.4	56.4	56.8	57.0	56.9	56.4	56.7	57.1	57.4	58.0	57.8	58.2	58.4	59.3	59.2	59.5	60.5
Food and kindred products	10.7	10.9	11.2	11.0	11.1	11.4	11.2	11.1	11.0	10.8	10.9	11.2	11.1	11.1	11.5	11.5	11.7	11.9	12.1	12.1
Paper and allied products	7.2	7.3	7.3	7.4	7.3	7.4	7.5	7.5	7.3	7.5	7.6	7.6	7.7	7.8	7.7	7.7	7.8	7.8	7.8	8.1
Chemicals and allied products	11.2	11.1	11.3	11.5	11.9	11.8	11.8	11.9	12.1	12.2	12.4	12.4	12.5	12.6	12.8	12.9	13.0	13.1	13.0	13.0
Petroleum and coal products	2.8	2.8	3.0	3.1	3.5	3.5	3.5	3.4	3.3	3.4	3.2	3.4	3.7	3.6	3.3	3.4	3.6	3.6	3.8	3.8
Rubber and miscellaneous plastic products	4.4	4.6	4.6	4.6	4.7	4.9	5.0	5.0	5.1	5.0	5.1	5.1	5.1	5.1	5.4	5.3	5.4	5.3	5.4	5.4
Other nondurable goods ²	17.4	17.9	17.8	17.8	17.9	17.9	18.1	18.0	17.6	17.9	17.9	17.8	18.0	17.7	17.7	17.7	18.0	17.6	17.6	18.1
Work-in-process																				
Manufacturing	118.5	119.2	121.4	123.1	124.3	126.0	126.0	130.4	133.0	136.0	136.5	137.8	139.2	139.7	141.5	139.7	137.9	137.2	135.5	133.1
Durable goods	96.3	96.9	99.1	100.7	101.6	103.1	103.1	107.1	109.4	112.1	112.6	114.0	115.2	115.5	117.2	115.5	114.0	112.7	110.6	108.4
Primary metal industries	8.0	8.1	8.3	8.6	8.6	8.6	8.8	9.0	9.3	9.4	9.1	9.0	8.7	8.6	8.9	8.8	8.9	9.0	8.8	8.5
Fabricated metal products	9.2	8.9	8.9	8.9	8.9	8.8	9.0	9.1	9.0	9.0	9.0	9.0	9.0	8.8	8.6	8.8	8.3	8.3	8.3	8.1
Industrial machinery and equipment	13.4	13.8	13.9	13.7	14.0	14.3	14.4	14.7	14.9	15.5	15.4	15.7	15.4	15.1	15.4	15.2	15.2	15.2	14.6	14.7
Electronic and other electric equipment	11.2	11.4	11.4	11.6	11.5	11.5	11.6	11.8	11.9	11.9	11.9	12.0	12.0	11.9	12.0	11.9	11.8	11.6	11.3	11.2
Motor vehicles and equipment	4.4	4.4	4.5	4.6	4.5	4.6	4.4	4.7	4.7	4.6	4.7	4.4	4.3	4.4	4.7	4.7	4.5	4.5	4.5	4.3
Other transportation equipment	34.3	34.3	35.9	36.9	38.0	39.8	39.7	42.1	43.6	45.6	46.7	49.2	51.1	52.2	53.1	51.9	51.5	50.1	49.2	47.3
Other durable goods ¹	15.5	15.6	16.0	16.3	16.2	15.9	15.6	16.4	16.7	17.0	16.8	16.2	16.5	16.6	16.7	16.4	15.9	15.9	15.9	15.8
Nondurable goods	22.2	22.2	22.1	22.3	22.5	22.7	22.6	23.0	23.2	23.3	23.4	23.3	23.5	23.6	23.8	23.7	23.4	24.1	24.5	24.5
Food and kindred products	3.3	3.5	3.5	3.5	3.5	3.7	3.8	3.7	3.8	3.8	3.8	3.8	3.9	4.0	4.0	4.2	4.2	4.4	4.4	4.4
Paper and allied products	1.5	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5
Chemicals and allied products	4.9	5.0	4.9	4.9	5.2	5.0	4.9	5.1	5.1	5.1	5.3	5.3	5.4	5.5	5.5	5.6	5.8	5.8	5.9	6.0
Petroleum and coal products	2.4	2.3	2.4	2.5	2.5	2.4	2.5	2.5	2.6	2.7	2.5	2.6	2.8	2.7	2.9	2.7	2.6	3.0	3.0	2.8
Rubber and miscellaneous plastic products	1.7	1.7	1.7	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.8	1.9	2.0	2.0
Other nondurable goods ²	8.3	8.2	8.1	8.1	8.1	8.3	8.1	8.3	8.3	8.3	8.4	8.2	8.1	8.0	8.0	7.9	7.7	7.8	7.8	7.9
Finished goods																				
Manufacturing	114.9	113.7	114.1	116.3	116.8	117.4	118.8	121.7	122.5	125.1	127.1	126.0	128.1	129.5	130.3	130.6	130.2	128.7	128.5	130.0
Durable goods	54.7	54.4	54.4	55.2	55.5	55.5	56.8	58.1	58.5	59.2	60.0	59.6	60.8	61.2	61.2	61.4	60.4	59.9	60.2	60.6
Primary metal industries	5.7	5.8	6.0	5.8	6.0	5.8	6.0	6.1	6.3	6.6	6.6	6.7	6.8	7.0	7.1	7.1	7.1	6.9	6.8	7.0
Fabricated metal products	7.5	7.4	7.5	7.3	7.3	7.3	7.6	7.6	7.6	7.8	8.0	7.9	8.1	8.0	8.1	7.9	8.0	7.9	7.7	8.2
Industrial machinery and equipment	10.3	10.0	9.8	10.4	10.6	10.8	11.2	11.0	11.1	11.2	11.2	11.6	11.9	11.4	11.3	11.4	11.2	11.8	11.4	11.4
Electronic and other electric equipment	7.2	6.9	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.1	7.3	7.5	7.6	7.7	7.8	7.6	7.4	7.2	7.1	7.1
Motor vehicles and equipment	2.7	2.8	2.8	2.9	3.0	3.0	2.9	3.1	3.2	3.3	3.5	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Other transportation equipment	4.2	4.4	4.3	4.6	4.7	4.9	5.1	4.9	5.2	4.9	4.8	4.8	4.6	4.5	4.5	5.5	5.1	5.5	5.3	5.5
Other durable goods ¹	17.3	17.5	17.3	17.2	17.1	17.1	17.6	18.3	18.5	18.8	18.9	18.4	19.0	19.1	19.5	19.2	18.6	18.5	18.5	18.8
Nondurable goods	60.2	59.3	59.7	61.1	61.3	61.9	62.1	63.5	63.9	66.0	67.1	66.5	67.5	68.3	69.1	69.2	70.0	68.9	68.4	69.5
Food and kindred products	15.6	15.7	15.5	15.6	15.5	15.5	15.0	16.0	16.0	16.7	17.2	17.3	17.3	17.4	18.0	17.8	17.8	17.3	17.3	17.7
Paper and allied products	4.9	4.9	4.8	4.9	4.7	4.7	4.8	5.0	5.0	5.2	5.4	5.5	5.5	5.6	5.7	5.7	6.0	5.9	5.8	6.0
Chemicals and allied products	15.4	15.1	15.4	16.0	16.1	16.0	16.6	17.0	17.6	18.3	18.4	17.9	17.8	18.3	18.4	18.7	19.2	18.8	18.8	19.1
Petroleum and coal products	5.3	5.1	5.3	5.7	5.8	6.0	5.7	5.6	5.7	6.0	5.9	5.3	6.0	5.8	5.6	5.6	5.8	5.7	5.6	5.7
Rubber and miscellaneous plastic products	5.0	4.8	5.0	4.9	4.9	4.9	5.1	5.2	5.5	5.5	5.6	5.6	5.5	5.7	5.8	6.0	6.1	6.0	6.0	6.0
Other nondurable goods ²	14.1	13.7	13.7	14.2	14.4	15.0	15.0	14.7	14.3	14.4	14.7	15.0	15.4	15.6	15.8	15.4	15.3	15.1	14.9	15.0

See footnotes at the end of the table.

Table 4.—Real Manufacturing Inventories by Stage of Fabrication, Seasonally Adjusted, End of Period—Continued
[Billions of chained (1996) dollars]

	1992				1993				1994				1995				1996			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Materials and supplies																				
Manufacturing	130.7	131.6	132.3	131.4	132.0	133.3	134.1	135.1	134.7	136.3	138.3	140.2	141.8	144.1	145.6	146.7	148.4	147.1	148.9	149.1
Durable goods	70.4	71.0	71.3	70.3	70.8	71.3	72.3	73.2	72.9	74.2	75.5	76.9	77.6	79.3	81.1	82.9	85.0	84.6	86.3	86.2
Primary metal industries	7.5	7.5	7.5	7.6	7.6	7.7	7.8	7.7	7.5	7.6	7.8	7.8	7.8	7.7	7.6	7.5	7.5	7.6	7.8	7.8
Fabricated metal products	9.1	9.3	9.3	9.3	9.3	9.0	9.3	9.6	9.2	9.4	9.8	10.1	10.1	10.3	10.1	9.9	10.4	10.1	10.2	10.4
Industrial machinery and equipment	11.3	11.3	11.8	11.9	12.2	12.7	12.8	13.1	13.3	13.9	14.4	14.8	15.2	15.6	16.6	17.7	18.2	18.2	18.7	18.2
Electronic and other electric equipment	9.7	9.8	9.8	10.0	10.1	10.3	10.6	10.6	11.1	11.4	11.6	12.3	13.0	13.6	14.4	14.4	14.5	14.8	15.0	15.4
Motor vehicles and equipment	6.1	6.3	6.5	6.3	6.2	6.3	6.7	6.8	6.7	6.9	7.1	7.2	7.0	7.1	7.4	7.9	7.4	7.9	7.2	7.3
Other transportation equipment	9.3	8.9	8.4	7.4	7.8	7.3	7.0	7.1	6.5	6.2	6.1	5.9	5.7	5.9	5.8	6.1	6.2	6.1	6.5	6.2
Other durable goods ¹	18.2	18.7	18.6	18.3	18.0	18.4	18.7	18.8	19.0	18.9	19.0	19.2	18.9	19.2	19.6	19.9	20.4	20.4	20.9	20.9
Nondurable goods	60.5	60.8	61.3	61.4	61.4	62.3	62.0	62.1	62.0	62.3	63.0	63.3	64.3	64.8	64.5	63.8	63.3	62.5	62.5	62.8
Food and kindred products	12.4	12.3	12.3	12.3	12.3	12.6	12.2	12.1	12.0	12.3	12.5	12.4	12.4	12.4	12.5	12.3	12.1	11.6	11.7	11.9
Paper and allied products	8.1	8.1	8.1	8.1	8.1	8.0	8.0	8.0	8.0	8.0	8.2	8.1	8.3	8.5	8.4	8.2	8.2	8.2	8.2	8.2
Chemicals and allied products	13.1	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.5	13.4	13.5	13.8	13.7	13.9	13.8	14.0	14.1	14.3	14.4	14.5
Petroleum and coal products	3.6	3.6	3.6	3.8	3.8	3.9	3.7	3.9	3.9	4.0	4.1	4.1	4.4	4.1	3.9	3.8	3.8	3.7	3.8	3.7
Rubber and miscellaneous plastic products	5.3	5.5	5.6	5.6	5.5	5.6	5.7	5.8	5.9	5.9	6.1	6.2	6.4	6.5	6.4	6.3	6.3	6.4	6.5	6.6
Other nondurable goods ²	18.0	18.1	18.4	18.3	18.4	18.9	18.9	18.9	18.7	18.7	18.7	18.8	19.2	19.5	19.5	19.1	18.8	18.3	17.9	18.0
Work-in-process																				
Manufacturing	131.2	128.5	126.8	126.3	126.1	126.7	127.6	126.6	128.2	129.2	130.3	130.1	131.0	130.0	129.9	129.2	130.5	131.6	131.8	133.7
Durable goods	106.1	103.3	101.5	101.0	100.7	101.4	102.3	101.4	102.6	103.5	104.4	104.2	105.0	103.9	103.7	103.0	104.1	105.1	105.2	107.2
Primary metal industries	8.4	8.5	8.2	8.1	8.2	7.9	8.3	8.3	8.2	8.2	8.2	8.3	8.2	8.2	8.1	8.2	8.3	8.4	8.4	8.6
Fabricated metal products	8.2	8.1	8.2	7.9	8.0	7.9	7.9	7.6	7.8	7.7	7.7	7.9	8.0	8.1	8.1	8.0	8.0	8.0	8.1	8.1
Industrial machinery and equipment	14.7	14.5	14.8	14.7	14.3	14.7	15.6	15.8	16.7	17.2	17.5	17.4	18.9	19.1	19.1	19.3	19.9	19.9	19.4	20.0
Electronic and other electric equipment	11.2	11.0	11.4	11.5	11.8	11.9	12.0	12.0	12.3	12.8	13.3	13.6	13.8	13.5	13.7	14.2	14.6	15.0	15.1	14.9
Motor vehicles and equipment	4.4	4.5	4.5	4.3	4.6	4.6	4.6	5.0	5.1	5.1	5.1	5.5	5.7	5.8	5.4	5.4	5.0	5.0	5.4	5.4
Other transportation equipment	45.1	42.5	40.1	40.0	39.6	39.7	39.6	38.6	38.6	38.2	38.3	37.4	35.9	34.5	34.3	32.5	32.7	33.3	33.2	34.8
Other durable goods ¹	15.6	15.4	15.3	15.2	15.1	15.1	14.9	14.7	14.5	14.4	14.4	14.3	14.6	14.8	15.0	15.5	15.7	15.6	15.7	15.4
Nondurable goods	24.9	25.1	25.3	25.3	25.4	25.3	25.3	25.2	25.6	25.7	25.8	25.9	25.9	26.1	26.2	26.2	26.4	26.6	26.6	26.5
Food and kindred products	4.3	4.4	4.6	4.5	4.6	4.6	4.6	4.8	4.9	4.9	4.9	4.9	5.1	5.1	5.2	5.4	5.5	5.5	5.5	5.5
Paper and allied products	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
Chemicals and allied products	6.1	6.2	6.3	6.4	6.5	6.5	6.5	6.6	6.6	6.5	6.6	6.5	6.5	6.5	6.6	6.7	6.8	6.8	6.8	6.7
Petroleum and coal products	3.1	2.9	2.9	2.8	2.8	2.8	2.8	2.5	2.8	2.6	2.6	2.6	2.6	2.7	2.6	2.8	2.8	2.6	2.7	2.7
Rubber and miscellaneous plastic products	1.9	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1
Other nondurable goods ²	8.1	8.2	8.1	8.1	8.1	7.9	7.9	7.9	8.1	8.2	8.3	8.3	8.4	8.3	8.3	7.9	7.8	7.9	7.8	7.9
Finished goods																				
Manufacturing	130.2	130.4	133.3	132.3	132.6	133.2	132.8	132.0	133.3	133.9	133.4	135.5	138.3	140.9	142.6	144.0	145.4	144.6	146.2	147.2
Durable goods	60.8	61.1	62.2	61.0	61.0	61.3	61.0	61.4	62.4	63.0	62.3	63.8	65.5	67.1	68.3	69.7	70.4	70.4	71.7	71.7
Primary metal industries	7.0	6.8	7.2	6.9	6.8	7.0	7.1	7.2	7.2	7.0	7.0	7.0	7.2	7.4	7.3	7.3	7.5	7.3	7.4	7.4
Fabricated metal products	8.2	8.2	8.5	8.3	8.3	8.4	8.5	8.2	8.3	8.3	8.4	8.4	8.8	8.9	8.9	8.8	8.9	8.9	9.3	9.5
Industrial machinery and equipment	11.2	11.5	11.6	11.7	11.2	11.4	11.6	12.0	12.5	12.3	12.7	13.4	13.8	14.6	15.0	15.7	16.3	16.1	16.7	16.3
Electronic and other electric equipment	7.4	7.6	7.6	7.2	7.3	7.4	7.3	7.6	7.7	7.8	8.2	8.4	9.0	9.4	9.8	10.0	9.6	9.6	9.7	9.9
Motor vehicles and equipment	3.1	2.9	3.3	3.0	3.1	2.8	2.8	2.9	2.9	2.9	3.0	3.1	3.1	3.0	3.0	3.1	3.4	3.3	3.2	3.1
Other transportation equipment	5.5	5.3	5.3	5.1	5.0	5.4	5.0	4.5	4.5	4.5	3.9	4.3	4.3	4.2	4.1	4.4	4.4	4.4	4.3	4.3
Other durable goods ¹	18.9	19.2	19.2	19.1	19.8	19.4	19.3	19.3	19.6	19.4	19.3	19.3	19.4	19.8	20.2	20.4	20.3	20.8	21.2	21.3
Nondurable goods	69.5	69.3	71.2	71.5	71.9	72.1	71.9	70.7	71.0	71.0	71.2	71.8	72.9	73.8	74.2	74.3	74.9	74.2	74.5	75.5
Food and kindred products	17.7	18.0	18.4	18.4	18.2	18.2	17.9	17.6	17.6	17.8	18.2	18.3	18.6	18.4	18.5	18.8	18.8	18.8	18.8	19.3
Paper and allied products	6.1	6.2	6.3	6.2	6.2	6.1	6.1	6.2	6.2	6.3	6.0	5.8	5.8	6.0	6.1	6.3	6.7	6.7	6.7	6.5
Chemicals and allied products	19.1	18.8	19.5	19.6	19.7	19.7	19.8	19.5	19.6	19.6	19.3	19.5	19.6	20.3	20.9	20.4	20.6	20.4	20.6	21.0
Petroleum and coal products	5.6	5.6	5.5	5.5	5.6	5.5	5.3	5.3	5.1	5.3	5.3	5.6	5.6	5.8	5.6	5.7	5.9	5.9	5.6	5.5
Rubber and miscellaneous plastic products	5.8	5.8	6.0	6.2	6.2	6.3	6.4	6.3	6.4	6.4	6.6	6.7	6.8	6.8	6.9	7.1	7.0	7.1	7.1	7.2
Other nondurable goods ²	15.2	15.0	15.5	15.6	16.0	16.3	16.4	15.8	15.9	15.8	15.8	16.1	16.7	16.5	16.3	16.1	15.9	15.6	15.6	16.0

See footnotes at the end of the table.

Table 4.—Real Manufacturing Inventories by Stage of Fabrication, Seasonally Adjusted, End of Period—Continued
[Billions of chained (1996) dollars]

	1997				1998				1999			1997								1998	
	I	II	III	IV	I	II	III	IV	I	II	III	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
Materials and supplies																					
Manufacturing	150.7	151.9	153.9	154.4	158.8	161.1	162.5	162.1	162.7	161.7	162.0	151.9	152.7	152.5	153.9	154.5	153.8	154.4	156.2	157.7	
Durable goods	87.4	88.5	89.9	90.2	92.7	94.4	95.0	94.5	96.0	95.6	96.3	88.5	89.3	89.1	89.9	90.3	90.3	90.2	91.4	92.1	
Primary metal industries	8.0	7.9	8.0	8.0	8.0	8.4	8.5	8.5	8.3	8.0	8.0	7.9	8.0	8.0	8.0	8.1	7.9	8.0	7.9	7.9	
Fabricated metal products	10.5	10.4	10.6	10.6	10.9	11.1	11.3	11.1	11.3	11.3	11.5	10.4	10.5	10.4	10.6	10.5	10.6	10.6	10.6	10.8	
Industrial machinery and equipment	18.6	19.0	19.2	19.3	19.9	20.1	20.2	20.5	21.2	21.0	21.1	19.0	19.1	18.9	19.2	19.3	19.3	19.3	19.4	19.7	
Electronic and other electric equipment	15.5	15.7	15.9	16.1	16.5	16.5	16.4	16.5	16.8	17.0	17.3	15.7	15.9	15.7	15.9	15.9	16.0	16.1	16.5	16.5	
Motor vehicles and equipment	7.4	7.4	7.2	7.2	7.3	8.0	7.8	7.8	7.6	8.2	8.3	7.4	7.5	7.4	7.2	7.3	7.2	7.2	7.3	7.4	
Other transportation equipment	6.3	6.5	7.2	6.8	7.6	7.2	7.4	7.2	7.1	6.8	6.7	6.5	6.8	6.9	7.2	7.2	7.1	6.8	7.3	7.4	
Other durable goods ¹	21.1	21.5	21.9	22.2	22.6	23.2	23.4	23.2	23.6	23.3	23.4	21.5	21.4	21.7	21.9	22.1	22.2	22.2	22.3	22.4	
Nondurable goods	63.3	63.4	63.9	64.1	66.1	66.6	67.5	67.6	66.7	66.1	65.7	63.4	63.4	63.4	63.9	64.2	63.5	64.1	64.8	65.6	
Food and kindred products	11.7	11.6	11.8	11.7	12.0	12.2	12.5	12.3	12.6	12.8	12.5	11.6	11.6	11.7	11.8	11.8	11.5	11.7	11.8	12.1	
Paper and allied products	8.2	8.0	8.0	8.2	8.4	8.5	8.5	8.5	8.4	8.3	8.4	8.0	8.0	8.0	8.0	8.1	8.1	8.2	8.3	8.3	
Chemicals and allied products	14.7	14.8	15.2	15.1	15.8	16.0	16.2	16.5	16.3	16.2	15.8	14.8	14.9	14.9	15.2	15.1	15.2	15.1	15.4	15.7	
Petroleum and coal products	4.0	4.0	4.0	4.0	4.3	3.9	4.2	4.4	4.3	3.9	3.8	4.0	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.3	
Rubber and miscellaneous plastic products	6.6	6.6	6.7	6.8	7.0	7.2	7.3	7.5	7.4	7.5	7.6	6.6	6.6	6.6	6.7	6.7	6.7	6.8	6.9	6.9	
Other nondurable goods ²	18.1	18.4	18.2	18.3	18.6	18.7	18.7	18.5	17.7	17.4	17.5	18.4	18.3	18.2	18.2	18.4	18.1	18.3	18.3	18.3	
Work-in-process																					
Manufacturing	136.5	139.0	140.3	143.0	145.1	149.1	149.8	150.8	149.1	147.1	145.5	139.0	139.4	140.7	140.3	141.2	143.1	143.0	143.4	144.9	
Durable goods	109.2	111.1	111.7	113.4	115.3	119.0	120.1	120.5	118.5	116.0	115.0	111.1	111.4	112.3	111.7	112.1	113.6	113.4	114.0	115.0	
Primary metal industries	8.4	8.5	8.4	8.5	8.5	8.4	8.6	8.7	8.5	8.4	8.2	8.5	8.5	8.4	8.4	8.3	8.4	8.5	8.7	8.5	
Fabricated metal products	8.3	8.5	8.6	8.6	8.9	9.1	9.0	9.2	9.3	9.2	9.3	8.5	8.6	8.6	8.6	8.5	8.6	8.6	8.6	8.5	
Industrial machinery and equipment	20.3	20.6	20.8	21.8	22.0	22.4	22.8	22.8	22.6	22.3	22.3	20.6	20.8	20.9	20.8	21.1	21.1	21.8	21.5	21.9	
Electronic and other electric equipment	14.8	15.0	15.3	15.7	16.2	16.0	15.6	15.4	15.7	16.1	15.9	15.0	15.1	15.3	15.3	15.5	15.7	15.9	16.2	16.2	
Motor vehicles and equipment	5.3	5.0	5.5	4.9	5.4	4.8	4.8	5.8	5.9	4.9	4.6	5.0	5.1	5.0	5.5	5.0	4.9	4.8	4.8	4.8	
Other transportation equipment	36.7	37.9	37.3	38.4	38.4	42.4	43.4	42.3	40.3	38.5	38.0	37.9	37.5	38.2	37.3	38.2	39.0	38.4	38.9	39.3	
Other durable goods ¹	15.5	15.7	15.8	15.6	15.9	15.8	15.7	16.1	16.1	16.3	16.8	15.7	15.8	15.8	15.8	15.9	15.6	15.9	15.6	15.6	
Nondurable goods	27.3	27.9	28.5	29.5	29.8	30.1	29.7	30.3	30.6	31.2	30.5	27.9	28.0	28.4	28.5	29.0	29.4	29.5	29.5	29.9	
Food and kindred products	5.7	5.7	6.0	6.3	6.1	6.1	5.8	6.2	6.5	6.5	6.5	5.7	5.8	6.0	6.0	6.1	6.3	6.3	6.2	6.1	
Paper and allied products	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	
Chemicals and allied products	7.0	7.3	7.5	8.2	8.3	8.5	8.5	8.5	8.6	9.1	8.7	7.3	7.4	7.4	7.5	7.9	8.0	8.2	8.2	8.3	
Petroleum and coal products	2.9	2.9	2.9	2.8	3.2	3.2	3.3	3.2	3.2	3.0	3.1	2.9	2.8	2.9	2.9	2.9	2.9	2.8	2.8	3.1	
Rubber and miscellaneous plastic products	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.3	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.3	
Other nondurable goods ²	8.0	8.2	8.3	8.4	8.3	8.5	8.4	8.3	8.2	8.3	8.1	8.2	8.3	8.4	8.3	8.3	8.4	8.4	8.3	8.4	
Finished goods																					
Manufacturing	148.4	152.1	153.2	154.8	157.7	158.4	161.9	164.4	165.4	166.2	168.0	152.1	153.1	153.6	153.2	155.1	155.5	154.8	155.7	157.1	
Durable goods	72.5	74.7	75.3	75.7	77.6	77.8	79.5	81.3	82.3	83.6	84.2	74.7	75.6	75.7	75.3	76.6	75.9	75.7	76.4	77.2	
Primary metal industries	7.5	7.3	7.4	7.6	7.6	7.8	8.1	8.2	8.0	8.2	8.1	7.3	7.3	7.4	7.4	7.4	7.5	7.6	7.7	7.6	
Fabricated metal products	9.7	10.0	10.0	10.2	10.5	10.5	10.8	11.0	11.2	11.1	11.2	10.0	9.9	10.0	10.0	10.2	10.2	10.2	10.3	10.6	
Industrial machinery and equipment	16.5	17.2	17.6	17.6	18.3	18.5	19.0	19.2	19.6	19.7	20.3	17.2	17.6	17.8	17.6	17.8	17.9	17.6	17.8	18.3	
Electronic and other electric equipment	9.7	10.2	10.2	10.3	10.5	10.1	10.2	10.5	10.8	11.0	11.4	10.2	10.4	10.5	10.2	10.4	10.3	10.3	10.3	10.4	
Motor vehicles and equipment	3.2	3.6	3.3	3.4	3.4	3.8	3.8	3.9	3.9	4.4	4.3	3.6	3.4	3.3	3.3	3.4	3.3	3.4	3.5	3.5	
Other transportation equipment	4.4	4.6	4.7	4.5	4.8	4.6	4.7	5.4	5.2	5.0	4.9	4.6	5.2	4.5	4.7	5.2	4.5	4.5	4.5	4.5	
Other durable goods ¹	21.4	21.9	22.1	22.2	22.5	22.5	23.0	23.2	23.7	24.2	24.1	21.9	21.9	22.2	22.1	22.2	22.2	22.2	22.4	22.5	
Nondurable goods	76.0	77.4	78.0	79.1	80.1	80.6	82.4	83.1	83.1	82.7	83.8	77.4	77.5	77.9	78.0	78.5	79.6	79.1	79.3	79.9	
Food and kindred products	19.3	19.7	19.8	20.4	20.8	20.5	20.4	20.5	20.6	20.8	21.0	19.7	19.7	19.6	19.8	20.1	20.4	20.4	20.8	20.8	
Paper and allied products	6.5	6.5	6.6	6.6	6.6	6.7	6.8	6.8	6.7	6.7	6.6	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	
Chemicals and allied products	20.8	21.2	21.4	21.8	22.3	22.7	23.9	23.6	23.8	23.7	24.1	21.2	21.2	21.2	21.4	21.6	22.0	21.8	21.9	22.3	
Petroleum and coal products	5.9	6.1	6.1	6.0	5.8	6.2	6.1	6.6	6.5	6.1	6.2	6.1	6.0	6.2	6.1	5.9	6.0	6.0	5.5	5.6	
Rubber and miscellaneous plastic products	7.4	7.5	7.4	7.5	7.4	7.5	7.5	7.7	7.7	7.7	7.7	8.0	7.5	7.5	7.4	7.5	7.6	7.5	7.5	7.5	
Other nondurable goods ²	16.0	16.4	16.7	16.8	17.2	16.9	17.6	17.9	17.9	17.7	17.8	16.4	16.6	16.8	16.7	16.8	17.0	16.8	16.8	17.0	

See footnotes at the end of the table.

Table 4.—Real Manufacturing Inventories by Stage of Fabrication, Seasonally Adjusted, End of Period—Continued
 [Billions of chained (1996) dollars]

	1998										1999									
	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct. ^P
Materials and supplies																				
Manufacturing	158.8	159.4	159.8	161.1	162.0	161.7	162.5	162.8	163.4	162.1	162.5	162.9	162.7	162.0	161.9	161.7	162.6	161.6	162.0	161.4
Durable goods	92.7	93.4	93.8	94.4	94.9	94.6	95.0	95.4	95.5	94.5	95.0	95.8	96.0	95.5	95.4	95.6	96.5	95.9	96.3	95.9
Primary metal industries	8.0	8.1	8.2	8.4	8.4	8.4	8.5	8.4	8.5	8.5	8.4	8.3	8.3	8.2	8.1	8.0	8.0	8.0	8.0	7.9
Fabricated metal products	10.9	11.0	10.9	11.1	11.2	11.1	11.3	11.3	11.2	11.1	11.1	11.2	11.3	11.2	11.3	11.3	11.4	11.4	11.5	11.4
Industrial machinery and equipment	19.9	20.1	20.2	20.1	20.3	20.1	20.2	20.1	20.4	20.5	20.8	20.8	21.2	21.2	20.9	21.0	20.9	20.7	21.1	20.7
Electronic and other electric equipment	16.5	16.3	16.5	16.5	16.5	16.6	16.4	16.8	16.6	16.5	16.5	16.7	16.8	16.7	16.8	16.7	17.0	17.6	17.3	17.4
Motor vehicles and equipment	7.3	7.3	7.5	8.0	7.7	7.5	7.8	7.8	7.6	7.8	7.6	7.9	7.6	7.9	8.2	8.2	8.1	8.0	8.3	8.4
Other transportation equipment	7.6	7.5	7.3	7.2	7.6	7.6	7.4	7.4	7.6	7.2	7.2	7.3	7.1	6.9	6.9	6.8	7.1	7.0	6.7	6.6
Other durable goods ¹	22.6	22.9	23.2	23.2	23.2	23.3	23.4	23.6	23.5	23.2	23.3	23.5	23.6	23.4	23.3	23.3	23.4	23.5	23.4	23.4
Nondurable goods	66.1	66.0	66.0	66.6	67.1	67.1	67.5	67.4	67.8	67.6	67.5	67.1	66.7	66.5	66.5	66.1	66.1	65.7	65.7	65.4
Food and kindred products	12.0	12.1	12.1	12.2	12.4	12.4	12.5	12.4	12.2	12.3	12.4	12.4	12.6	12.7	12.8	12.8	12.7	12.7	12.5	12.4
Paper and allied products	8.4	8.4	8.4	8.5	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.3
Chemicals and allied products	15.8	15.7	15.7	16.0	16.0	16.2	16.2	16.2	16.3	16.5	16.5	16.5	16.3	16.4	16.5	16.2	16.4	16.0	15.8	15.9
Petroleum and coal products	4.3	4.1	4.1	3.9	4.3	4.3	4.2	4.2	5.0	4.4	4.4	4.4	4.3	4.0	3.9	3.9	3.9	3.7	3.8	3.9
Rubber and miscellaneous plastic products	7.0	7.0	7.1	7.2	7.2	7.3	7.3	7.4	7.8	7.5	7.5	7.5	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.5
Other nondurable goods ²	18.6	18.6	18.6	18.7	18.6	18.4	18.7	18.7	18.5	18.5	18.2	18.0	17.7	17.5	17.4	17.4	17.3	17.4	17.5	17.6
Work-in-process																				
Manufacturing	145.1	147.5	148.5	149.1	149.2	150.6	149.8	151.9	151.9	150.8	149.3	149.5	149.1	148.9	148.5	147.1	147.5	145.5	145.5	145.8
Durable goods	115.3	117.5	118.3	119.0	119.0	120.8	120.1	121.8	121.3	120.5	118.8	119.0	118.5	117.7	117.3	116.0	116.6	115.1	115.0	115.1
Primary metal industries	8.5	8.5	8.5	8.4	8.5	8.6	8.6	8.6	8.8	8.7	8.8	8.7	8.8	8.7	8.5	8.4	8.6	8.4	8.3	8.2
Fabricated metal products	8.9	8.9	9.0	9.1	9.1	9.1	9.0	9.2	9.3	9.2	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.3	9.3
Industrial machinery and equipment	22.0	22.2	22.4	22.4	22.3	23.0	22.8	22.9	23.0	22.8	23.0	23.2	22.8	22.8	22.8	22.6	22.7	22.5	22.3	22.6
Electronic and other electric equipment	16.2	16.3	16.0	16.0	15.5	15.7	15.6	15.7	15.6	15.4	15.5	15.5	15.7	16.0	16.3	16.1	16.0	16.0	15.9	15.9
Motor vehicles and equipment	5.4	5.1	5.1	4.8	5.0	4.8	4.8	4.7	5.4	5.8	5.3	4.9	5.9	5.0	4.9	4.9	5.2	4.9	4.6	4.8
Other transportation equipment	38.4	40.7	41.5	42.4	42.6	43.6	43.4	44.7	43.1	42.3	40.9	41.2	40.3	40.0	39.1	38.5	38.9	37.7	38.0	37.5
Other durable goods ¹	15.9	15.7	15.8	15.8	15.9	15.8	15.7	15.8	16.1	16.2	16.1	16.1	16.1	16.1	16.3	16.4	16.3	16.6	16.8	16.8
Nondurable goods	29.8	30.0	30.1	30.1	30.2	29.8	29.7	30.0	30.6	30.3	30.5	30.5	30.6	31.1	31.3	31.2	30.9	30.4	30.5	30.8
Food and kindred products	6.1	6.1	6.1	6.1	6.1	6.0	5.8	6.0	6.2	6.2	6.4	6.5	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.7
Paper and allied products	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8
Chemicals and allied products	8.3	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.0	8.5	8.5	8.7	8.6	8.9	9.4	9.1	9.0	8.7	8.7	8.8
Petroleum and coal products	3.2	3.2	3.2	3.2	3.3	3.1	3.3	3.4	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.0	3.1	3.1	3.0
Rubber and miscellaneous plastic products	2.3	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
Other nondurable goods ²	8.3	8.4	8.5	8.5	8.5	8.4	8.4	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.2	8.3	8.3	8.0	8.1	8.2
Finished goods																				
Manufacturing	157.7	157.9	158.4	158.4	161.2	161.4	161.9	163.3	164.5	164.4	164.8	164.8	165.4	165.6	166.4	166.2	166.8	168.2	168.0	168.8
Durable goods	77.6	77.6	77.7	77.8	78.5	78.8	79.5	80.0	80.9	81.3	81.5	81.9	82.3	82.8	83.5	83.6	83.6	84.5	84.2	84.4
Primary metal industries	7.6	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.1	8.2	8.2	8.2	8.0	8.1	8.2	8.2	8.2	8.2	8.1	8.2
Fabricated metal products	10.5	10.5	10.5	10.5	10.7	10.9	10.8	10.9	10.9	11.0	11.2	11.2	11.2	11.4	11.5	11.1	11.3	11.2	11.2	11.3
Industrial machinery and equipment	18.3	18.4	18.2	18.5	18.6	18.6	19.0	19.1	19.3	19.2	19.2	19.1	19.6	19.4	19.7	19.7	19.5	20.1	20.3	20.1
Electronic and other electric equipment	10.5	10.4	10.4	10.1	10.1	10.1	10.2	10.3	10.5	10.5	10.2	10.6	10.8	10.9	10.8	11.0	10.7	11.1	11.4	11.7
Motor vehicles and equipment	3.4	3.5	3.6	3.8	3.7	3.9	3.8	3.9	4.0	3.9	4.0	3.9	4.1	4.1	4.1	4.4	4.4	4.6	4.3	4.2
Other transportation equipment	4.8	4.6	4.6	4.6	4.7	4.6	4.7	4.7	5.0	5.4	5.2	5.1	5.2	5.1	5.1	5.0	5.1	5.0	4.9	4.9
Other durable goods ¹	22.5	22.6	22.8	22.5	22.8	22.8	23.0	23.1	23.3	23.2	23.5	23.7	23.7	23.8	24.1	24.2	24.5	24.3	24.1	24.1
Nondurable goods	80.1	80.4	80.7	80.6	82.7	82.5	82.4	83.3	83.6	83.1	83.3	82.9	83.1	82.8	82.9	82.7	83.2	83.7	83.8	84.4
Food and kindred products	20.8	20.7	20.7	20.5	20.4	20.3	20.4	20.7	20.6	20.5	20.5	20.7	20.6	20.7	20.8	20.8	20.8	20.8	21.0	21.6
Paper and allied products	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.6
Chemicals and allied products	22.3	22.5	22.6	22.7	24.4	24.3	23.9	24.0	24.1	23.8	23.9	23.8	23.8	23.7	23.7	23.7	23.9	24.3	24.1	24.2
Petroleum and coal products	5.8	6.2	6.1	6.2	6.2	6.2	6.1	6.4	6.5	6.6	6.9	6.5	6.5	6.5	6.3	6.1	6.1	6.2	6.3	6.2
Rubber and miscellaneous plastic products	7.4	7.4	7.5	7.5	7.5	7.6	7.5	7.8	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.9	8.0	8.2
Other nondurable goods ²	17.2	17.1	17.0	16.9	17.3	17.2	17.8	17.7	17.8	17.9	17.8	17.8	17.9	17.7	17.7	17.7	17.8	17.9	17.8	17.6

^P Preliminary.

1. Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; and miscellaneous manufacturing industries.

2. Includes tobacco manufacturers; textile mill products; apparel products; printing and publishing; and leather and leather products.

3. Prior to 1981, inventories and sales of auto and home supply stores are included in motor vehicle dealers. Beginning with 1981, these inventories are included in "other durable goods."

NOTE.—Manufacturing inventories are classified by the type of product produced by the establishment holding the inventory.

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. The residual line is the difference between the first line and the sum of the most detailed lines for inventories.

Errata

National Income and Product Accounts

Tables 8.4 and 8.5 in the "National Income and Product Accounts" section of the December 1999 SURVEY OF CURRENT BUSINESS contained errors. In table 8.4, the estimates for the component contributions to the percent change in real private fixed investment for the first and second quarters of 1999 were incorrect. The correct estimates are provided in NIPA table 8.4 on page D-27 of the "Selected NIPA Tables" in this issue.

In table 8.5, the estimates for the component contributions to the percent change in imports for all periods were incorrect (those for exports were correct). The table with the corrected estimates is provided below.

Table 8.5.—Contributions to Percent Change in Real Exports and in Real Imports of Goods and Services by Type of Product

	Line	1995	1996	1997	1998	Seasonally adjusted at annual rates															
						1996				1997				1998				1999			
						I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	
Percent change at annual rate:																					
Exports of goods and services	1	10.3	8.3	12.7	2.2	2.3	6.9	3.5	29.0	8.8	16.2	11.5	1.8	-1.5	-4.0	-1.7	16.1	-5.5	4.0	11.5	
Percentage points at annual rates:																					
Exports of goods ¹	2	8.38	6.19	10.22	1.47	3.52	3.17	5.51	17.80	9.77	12.78	9.17	2.46	-2.02	-6.46	1.07	13.34	-6.70	3.02	11.51	
Foods, feeds, and beverages	3	.65	-.10	.01	-.05	.95	-1.08	-.22	2.03	-1.09	-.32	-.01	2.01	-.80	-1.14	-.97	2.29	-1.61	1.06	1.02	
Industrial supplies and materials	4	1.30	.80	1.40	-.17	.05	-.56	1.46	3.28	.39	2.50	.97	.37	-.80	-1.53	-.56	1.42	-1.94	1.15	1.04	
Capital goods, except automotive	5	5.28	4.43	6.52	1.31	2.85	2.59	2.02	10.68	7.06	7.87	6.86	-.75	-.39	-2.98	4.32	4.97	-2.78	-.45	9.00	
Automotive vehicles, engines, and parts	6	.45	.31	.97	-.10	.10	.54	2.09	-.84	1.82	1.25	1.28	-.12	.43	-1.86	-1.85	2.77	-1.39	1.46	.37	
Consumer goods, except automotive	7	.49	.58	.78	.20	1.08	.25	.43	1.50	1.06	.95	.02	.31	-.14	.41	.56	-.39	.23	-.18	.63	
Other	8	.24	.18	.54	.28	-1.51	1.43	-.27	1.16	.53	.53	.05	.65	-.33	.64	-.44	2.28	.79	-.02	-.56	
Exports of services ¹	9	1.95	2.07	2.51	.72	-1.24	3.72	-2.05	11.24	-.98	3.37	2.30	-.71	.49	2.50	-2.73	2.75	1.23	.98	.02	
Percent change at annual rate:																					
Imports of goods and services	10	8.2	8.6	13.7	11.6	10.8	13.3	14.4	6.3	15.5	19.1	17.6	5.2	14.4	13.0	5.2	10.8	12.5	14.4	14.9	
Percentage points at annual rates:																					
Imports of goods ¹	11	7.52	7.84	11.90	9.61	9.91	12.58	12.46	6.30	12.25	17.47	14.29	4.35	11.77	11.35	4.12	10.52	10.53	12.85	14.22	
Foods, feeds, and beverages	12	.08	.37	.38	.28	.72	.33	.69	.18	.18	.60	.89	-.08	.34	.21	.25	.07	.34	.78	.39	
Industrial supplies and materials, except petroleum and products	13	.66	.78	1.10	1.38	1.73	1.33	2.12	.84	.27	1.95	1.38	.54	2.18	2.25	.73	-.70	.08	1.16	1.45	
Petroleum and products	14	-.10	.53	.34	.41	-.65	3.75	.43	-1.29	-.55	2.39	.48	-.86	.39	1.77	.12	-1.17	.28	1.05	-.66	
Capital goods, except automotive	15	5.13	4.13	5.79	3.51	2.49	2.60	4.63	5.88	5.91	7.35	6.05	2.69	3.82	2.93	1.19	2.80	2.36	6.39	5.13	
Automotive vehicles, engines, and parts	16	.24	.48	1.12	.88	2.24	2.71	1.69	-2.18	4.81	-.29	1.12	-.92	2.30	.20	-.15	5.94	3.52	1.12	3.63	
Consumer goods, except automotive	17	1.39	1.28	2.54	2.48	3.09	1.30	3.40	2.63	1.18	4.04	2.69	2.87	2.28	3.38	1.03	.69	2.99	1.82	3.53	
Other	18	.11	.27	.62	.86	.28	.55	-.50	.24	.45	1.42	1.69	.11	.47	.60	.95	2.90	.96	.53	.75	
Imports of services ¹	19	.68	.79	1.82	1.78	.92	.75	1.94	.01	3.25	1.59	3.30	.87	2.67	1.65	1.05	.33	1.99	1.55	.70	

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

Annual Input-Output Accounts of the U.S. Economy, 1996

By Sumiye O. Okubo, Ann M. Lawson, and Mark A. Planting

IN DECEMBER 1999, the Bureau of Economic Analysis (BEA) released the 1996 annual input-output (I-O) accounts for the U.S. economy. These accounts are based on an update of the 1992 benchmark I-O accounts, and they reflect the recent comprehensive revision of the national income and product accounts (NIPA's).¹ The I-O accounts were prepared using 1996 estimates of industry and commodity output and the 1996 estimates of gross domestic product (GDP) from the NIPA revision.

This presentation of the 1996 annual I-O accounts marks the resumption of the regular preparation of annual I-O accounts and the refocusing of the resources that had been used to speed up the preparation of the 1992 benchmark I-O accounts. The last set of annual accounts, which presented estimates for 1987, was published in the April 1992 issue of the *SURVEY OF CURRENT BUSINESS*. The annual I-O accounts for 1997 are scheduled for release in the fall of 2000.

The annual I-O accounts provide estimates of the domestic production, the export and import of commodities (goods and services), the use of commodities by each industry, the commodity composition of GDP, and the industry distribution of value added. The annual I-O accounts are used in a variety of analytical and statistical contexts, including studies of interindustry relationships within the economy and as the basis for developing satellite accounts on particular aspects of the economy.

This article is presented in two parts. The first part describes the 1996 annual I-O tables, explains how the accounts can be used, and identifies some of the highlights. The second part describes the methodology that was used to prepare the 1996 annual I-O accounts.

1. For an overview of the I-O accounts, see Ann M. Lawson, "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Make, Use, and Supplementary Tables," *SURVEY OF CURRENT BUSINESS* 77 (November 1997): 36-82; and "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Requirements Tables," *SURVEY* 77 (December 1997): 22-47.

For information on the 1999 comprehensive revision of the NIPA's, see Eugene P. Seskin, "Improved Estimates of the National Income and Product Accounts for 1959-98: Results of the Comprehensive Revision," *SURVEY* 79 (December 1999): 15-43.

1996 Annual I-O Accounts

The annual I-O tables

The 1996 annual I-O estimates are presented in five tables, beginning on page 48. These tables consist of a make table, a use table, a direct requirements table, and two total requirements tables. In addition, alternative make and use tables that are based on a classification of industries that more closely relates to the 1987 Standard Industrial Classification system have been prepared (see the box "Alternative Make and Use Tables" on page 43 and the box "Data Availability" on page 46).

The presentation of the annual I-O tables is generally the same as that of the benchmark I-O tables, but the information is less detailed. The annual I-O tables present summary estimates for 97 industries, while the benchmark I-O tables present more detailed estimates for 498 industries. The annual use and total direct requirements tables present estimates of total value added by industry, while the corresponding benchmark tables present detailed estimates of value added for compensation of employees, indirect business tax and other nontax liability, and other value added. In addition, the presentation of the annual I-O tables has been changed to incorporate the definitional and classificational changes, such as the change in the treatment of business and government expenditures for software, that were introduced in the 1999 comprehensive revision of the NIPA's.²

The make table shows the commodities that are produced by each industry (table 1), and the use table shows the inputs to industry production and the commodities that are consumed by final users (table 2). As discussed in the section on methodology, the estimates of commodity output and industry output in the make and use tables,

2. See Brent R. Moulton, Robert P. Parker, and Eugene P. Seskin, "A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts: Definitional and Classificational Changes," *SURVEY* 79 (August 1999): 7-20.

and the estimates of final uses in the use table, are based on new source data. Most of the other estimates are based on updated relationships from the 1992 benchmark i-o accounts.³

The three requirements tables are derived from the make and the use tables. The direct requirements table shows the amount of a commodity that is required by an industry to produce a dollar of the industry's output (table 3). The two total requirements tables show the production that is required, directly and indirectly, from each commodity (table 4) and from each industry (table 5) to deliver a dollar of a commodity to final users.

The uses of the annual i-o accounts

The annual i-o accounts are an important tool for economic analysis because they show the interdependence among the producers and the consumers in the U.S. economy. The accounts can be used to estimate the direct and indirect effects of changes in GDP expenditures for final uses on industries and commodities. For example, the accounts can be used to estimate the effects of a change in Federal Government consumption and investment on industry and commodity output, and, supplemented with additional information, they can be used to estimate the effects of an increase in U.S. exports on employment.

The i-o accounts are used in several ways to prepare other economic statistics. For example, in the 1999 comprehensive NIPA revision, estimates from the 1996 annual i-o tables were used to estimate the 1996 commodity distribution for most of the components of personal consumption expenditures (PCE) for goods,⁴ and estimates

from the 1992 benchmark i-o accounts were used to prepare the estimates of final expenditures.⁵ Detailed information from the 1996 annual i-o accounts will be used to update the 1992 transportation satellite accounts, the 1992 travel and tourism satellite accounts, and the regional i-o multiplier estimates.⁶

Highlights from the 1996 annual i-o accounts

These highlights are drawn from several analytical tables that are based on the 1987 and 1992 benchmark i-o accounts and the 1996 annual i-o accounts. Estimates of changes in current-dollar commodity output, exports, imports, and domestic supply provide insight on the changing structure of the U.S. economy and particularly on the increasing role of trade in recent years.⁷ The growing importance of exports and imports is a factor for both rapidly growing, high-tech commodities—such as computer and office equipment and audio, video, and communications equipment—and some slower growing or declining basic-consumer commodities—such as apparel and footwear, leather, and leather products (table A).

5. Leon W. Taub and Robert P. Parker, "Preview of Revised NIPA Estimates for 1992 From the 1992 i-o Accounts," *SURVEY* 77 (December 1997): 11–13. The differences between the 1992 benchmark i-o accounts and the revised 1992 estimates from the 1999 comprehensive revision of the NIPA's largely reflect the definitional change in the treatment of software in the NIPA's and statistical changes, including the use of economic census data on inventories for construction and for mineral industries and the use of newly available source data, primarily final tabulations of State and local government expenditures from the 1992 Census of Governments.

6. The satellite accounts are based on the 1992 benchmark i-o accounts: See Bingsong Fang, Xiaoli Han, Ann M. Lawson, and Sherlene K.S. Lum, "U.S. Transportation Satellite Accounts for 1992," *SURVEY* 78 (April 1998): 16–27; and Sumiye Okubo and Mark A. Planting, "U.S. Travel and Tourism Satellite Accounts for 1992," *SURVEY* 78 (July 1998): 8–22. For a description of the regional input-output multiplier estimates, see U.S. Department of Commerce, Bureau of Economic Analysis, *Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II)*, Third Edition (Washington, DC: U.S. Government Printing Office, 1997).

7. Domestic supply is calculated as domestic commodity output plus imports less exports less the change in private inventories.

3. "Final uses" in the input-output accounts are the same as the "product-side" components of GDP in the NIPA's.

4. Brent R. Moulton and Eugene P. Seskin, "A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts," *SURVEY* (October 1999): 9.

Acknowledgments

Mark A. Planting supervised the preparation of the 1996 annual input-output (i-o) estimates. Sumiye O. Okubo, Associate Director for Industry Accounts, and Ann M. Lawson, Chief of the Industry Economics Division, provided overall guidance. Peter D. Kuhbach, Greg R. Linder, Demian J. McGarry, Will H. Nicolls, Robert S. Robinowitz, and Regina K. Villasmil prepared the estimates. Karen J. Horowitz provided valuable technical assistance. Bingsong S. Fang, Jiemin X. Guo, and Simon N. Randrianarivelo of the Bureau of Transportation Statistics, U.S. Department of Transportation, also contributed to the preparation of the estimates.

The price indexes were prepared under the direction of Robert E. Yuskavage, with contributions by Felicia V. Candela, Peter J. Lee, Tameka R. Lee, Sherlene K. S. Lum, Kimberly A. Mourey, Brian C. Moyer, and Robert A. Sylvester.

Special thanks to Alan C. Lorish, Jr., Chief of the Computer Systems and Services Division, and to members of his staff—particularly Stephen P. Holliday, Janice E. Townsend, Tara Fogarty, and Ross Metzger—for their assistance in building the data-processing application used to prepare the 1996 annual i-o estimates.

Table A.—Commodity Output, Exports, Imports, and Domestic Supply, 1987, 1992 and 1996

[Millions of dollars]

Commodity number	Description	Output			Exports			Imports			Domestic supply		
		1987	1992	1996	1987	1992	1996	1987	1992	1996	1987	1992	1996
AGRICULTURE, FORESTRY, FISHERIES													
	Total	198,948	235,591	287,694	13,897	19,857	23,001	6,924	14,601	20,468	196,854	225,488	266,608
01	Livestock and livestock products	83,609	89,375	96,065	484	800	796	808	2,061	2,420	84,652	89,779	98,958
02	Other agricultural products	82,183	104,546	137,455	12,747	16,116	19,588	2,353	6,860	10,614	76,050	91,255	108,918
03	Forestry and fishery products	9,488	11,865	14,536	544	2,880	2,588	3,747	5,659	7,423	12,590	14,689	19,362
04	Agricultural, forestry, and fishery services	23,668	29,805	39,638	122	61	29	16	21	11	23,562	29,765	39,370
MINING													
	Total	112,145	147,562	162,445	5,349	8,202	8,124	31,113	43,527	64,795	138,556	182,994	218,044
05+06	Metallic ores mining	6,802	10,739	12,839	559	1,104	1,129	1,349	-1,488	-2,087	7,573	8,171	9,704
07	Coal mining	25,451	26,917	22,908	2,663	3,122	2,534	65	133	286	21,753	23,931	20,399
08	Crude petroleum and natural gas	68,008	97,623	112,299	1,494	3,290	3,734	28,965	43,984	65,560	97,237	138,422	173,782
09+10	Nonmetallic minerals mining	11,884	12,283	14,400	633	686	727	734	898	1,036	11,993	12,470	14,159
CONSTRUCTION													
	Total	618,813	679,330	867,665	96	77	97				618,717	679,253	867,463
11	New construction, including own-account construction	445,347	456,949	588,735	15						445,332	456,949	588,758
12	Maintenance and repair construction, including own-account construction	173,466	222,381	278,930	81	77	97				173,385	222,304	278,705
MANUFACTURING													
	Total	2,411,977	2,890,437	3,592,909	201,816	342,980	465,384	377,047	485,599	699,278	2,544,409	3,029,490	3,805,652
13	Ordinance and accessories	28,177	22,217	18,302	2,725	3,592	3,343	467	809	947	25,462	21,289	15,688
14	Food and kindred products	329,636	408,757	464,948	12,111	19,630	25,639	18,538	21,850	26,326	334,292	410,827	463,515
15	Tobacco products	26,381	40,147	39,782	2,591	5,874	6,235	880	1,587	1,023	24,428	33,723	34,312
16	Broad and narrow fabrics, yarn and thread mills	34,832	37,528	40,813	1,407	2,359	2,958	3,601	4,397	4,386	36,427	39,089	42,895
17	Miscellaneous textile goods and floor coverings	16,266	17,983	21,050	782	1,724	2,048	918	1,879	2,128	15,990	18,119	20,974
18	Apparel	64,259	68,637	71,155	1,197	4,065	6,987	25,395	38,484	49,791	87,011	99,159	113,711
19	Miscellaneous fabricated textile products	19,006	21,021	24,968	362	810	917	1,772	2,870	3,789	20,083	22,611	27,737
20+21	Lumber and wood products	72,936	87,127	111,795	3,645	5,965	6,336	6,399	7,143	12,814	74,533	87,642	117,825
22+23	Furniture and fixtures	36,700	42,849	54,527	684	2,633	3,215	5,287	6,026	9,718	40,707	46,057	60,777
24	Paper and allied products, except containers	80,961	98,497	116,899	5,922	8,567	11,314	9,914	10,715	14,824	84,037	99,874	120,973
25	Paperboard containers and boxes	25,288	31,743	39,233	262	691	1,159	126	247	498	25,025	31,022	38,531
26A	Newspapers and periodicals	15,674	19,895	22,485	555	653	628	226	199	232	14,896	19,503	22,133
26B	Other printing and publishing	67,126	81,202	95,247	1,062	2,984	3,290	1,335	1,783	2,579	66,211	79,248	94,140
27A	Industrial and other chemicals	89,852	113,359	134,434	14,630	17,292	22,862	10,727	14,375	20,573	85,434	109,713	131,076
27B	Agricultural fertilizers and chemicals	13,365	17,850	22,556	542	3,341	4,459	990	2,330	3,485	13,675	16,992	20,958
28	Plastics and synthetic materials	43,407	50,944	63,071	5,364	8,477	12,271	2,009	3,827	6,433	39,550	46,055	57,117
29A	Drugs	35,862	62,321	77,890	2,959	7,272	9,885	7,590	13,193	20,317	39,294	66,950	86,708
29B	Cleaning and toilet preparations	32,872	40,557	48,232	983	2,591	3,826	1,281	2,052	2,779	32,612	39,832	46,823
30	Paints and allied products	12,183	14,379	17,627	342	745	1,009	214	200	386	11,858	13,792	16,829
31	Petroleum refining and related products	137,598	149,831	173,581	6,128	9,084	9,925	13,332	11,582	14,104	141,801	152,283	175,393
32	Rubber and miscellaneous plastics products	86,850	111,813	147,440	3,233	6,905	10,225	9,702	13,253	18,452	92,027	117,166	154,625
33+34	Footwear, leather, and leather products	8,787	9,538	9,007	666	1,464	1,686	9,700	12,824	16,928	17,354	20,567	23,987
35	Glass and glass products	16,335	17,981	21,609	777	1,544	2,174	1,837	2,159	3,333	17,216	18,411	22,581
36	Stone and clay products	43,340	42,291	58,228	1,019	1,713	2,171	4,513	4,551	6,618	46,228	45,325	62,284
37	Primary iron and steel manufacturing	66,201	73,922	97,252	1,407	3,505	4,338	10,824	10,893	17,231	74,414	81,649	108,861
38	Primary nonferrous metals manufacturing	55,746	64,813	83,073	3,303	6,379	9,085	6,992	10,228	16,476	58,571	69,054	90,012
39	Metal containers	11,739	13,238	13,298	166	341	302	155	201	289	11,704	13,088	13,294
40	Heating, plumbing, and fabricated structural metal products	43,686	49,050	65,017	868	2,061	2,713	960	1,008	1,947	43,221	48,107	63,705
41	Screw machine products and stamping	31,826	34,564	46,842	2,123	2,171	1,353	2,261	2,628	2,764	31,727	34,804	48,050
42	Other fabricated metal products	47,022	56,518	75,433	2,634	4,849	7,643	6,573	8,510	12,447	50,357	60,112	79,133
43	Engines and turbines	14,394	17,895	23,890	2,899	5,419	8,309	2,102	2,413	3,542	13,389	15,073	19,015
44+45	Farm, construction, and mining machinery	26,005	30,946	46,356	6,062	9,002	12,391	5,402	4,754	8,386	25,012	26,421	41,681
46	Materials handling machinery and equipment	7,376	8,290	12,414	540	1,302	1,869	1,321	1,468	2,570	8,115	8,497	13,104
47	Metalworking machinery and equipment	22,051	27,046	37,404	2,335	3,686	5,270	4,911	5,127	9,959	24,577	28,469	41,924
48	Special industry machinery and equipment	16,411	20,218	33,514	2,696	4,510	8,473	4,993	5,881	8,704	18,510	21,695	33,911
49	General industrial machinery and equipment	23,221	29,678	39,519	4,182	7,834	10,701	6,947	7,796	12,231	25,833	29,720	40,644
50	Miscellaneous machinery, except electrical	19,855	24,946	38,101	1,660	1,962	3,272	604	1,895	2,359	18,698	24,938	36,791
51	Computer and office equipment	54,431	62,088	93,717	13,166	22,925	37,079	17,329	32,687	60,672	58,263	73,091	118,564
52	Service industry machinery	21,746	25,801	36,571	1,216	3,320	4,712	1,504	2,243	3,218	21,728	24,559	34,715
53	Electrical industrial equipment and apparatus	23,277	28,574	38,562	1,847	4,083	5,524	3,346	5,295	8,577	24,666	29,709	41,509
54	Household appliances	15,670	16,833	20,425	943	2,329	2,940	2,950	4,072	5,731	17,674	18,672	23,203
55	Electric lighting and wiring equipment	17,421	19,055	23,424	1,358	2,839	4,125	3,341	4,985	6,807	18,796	21,060	26,001
56	Audio, video, and communication equipment	41,037	50,981	77,999	4,137	9,551	16,432	20,190	25,409	33,584	56,644	66,465	94,876
57	Electronic components and accessories	48,203	73,298	129,439	12,596	16,150	32,351	13,704	20,574	41,187	48,524	77,773	138,415
58	Miscellaneous electrical machinery and supplies	20,987	21,103	26,005	2,404	5,702	8,287	4,511	8,062	11,099	22,733	23,612	28,419
59A	Motor vehicles (passenger cars and trucks)	133,509	149,684	200,277	12,918	16,336	24,583	61,157	58,285	81,012	173,633	190,519	256,408
59B	Truck and bus bodies, trailers, and motor vehicles parts	68,327	81,258	121,203	10,874	16,995	24,814	16,950	21,743	30,924	72,658	86,226	126,675
60	Aircraft and parts	84,421	102,154	90,630	22,891	40,656	36,153	6,875	12,153	11,712	66,273	81,662	63,779
61	Other transportation equipment	24,074	29,907	37,543	1,278	3,354	3,598	2,937	2,693	4,718	24,663	29,544	38,344
62	Scientific and controlling instruments	85,858	107,915	118,833	10,311	17,864	25,148	9,990	14,773	19,456	84,253	105,052	113,091
63	Ophthalmic and photographic equipment	18,707	22,745	23,783	2,224	3,453	4,187	5,696	8,153	10,575	21,781	27,077	30,118
64	Miscellaneous manufacturing	31,083	39,450	47,510	2,830	4,427	5,370	15,769	23,335	28,638	41,841	57,593	69,818
TRANSPORTATION, COMMUNICATION, AND UTILITIES													
	Total	719,662	932,030	1,164,109	31,495	54,322	66,155	5,331	7,932	12,563	692,005	884,684	1,109,902
65A	Railroads and related services; passenger ground transportation	48,394	62,058	76,283	3,377	3,973	5,457	135	164	189	44,599	58,114	70,976
65B	Motor freight transportation and warehousing	115,193	157,110	199,889	4,606	10,161	13,195		2,059	1,868			

As the average annual growth in output for all commodities increased from 5.8 percent in 1987–92 to 6.8 percent in 1992–96, the commodity composition of growth changed significantly (table B). Of the 10 fastest growing commodities in 1992–96, only computer and data processing services was also among the top 10 in 1987–92. In 1992–96, five of the other fastest growing commodities are also considered high-tech commodities—electronic components and accessories; radio and tv broadcasting; special industry machinery and equipment; audio, video, and communication equipment; and computer and office equipment.

For four of the fast growing commodities—computer and office equipment; special industry machinery and equipment; electronic components and accessories; and audio, video, and communication equipment—increases in exports accounted for over one-fourth of the increase in domestically produced output in 1992–96. For all commodities, exports accounted for 6.6 percent of the increase in domestically produced output.

Of the 10 slowest growing commodities in 1992–96, tobacco products and water transporta-

tion were among the faster growing commodities in 1987–92 (table C). Declines in output of two commodities—ordnance and accessories and aircraft and parts—partly reflected declines in national defense spending. In addition, a drop in exports accounted for 39 percent of the decline in aircraft and parts and for 6 percent of the decline in ordnance and accessories. In coal mining, a decline in output primarily reflected a decline in coal prices, and it partly reflected slower growth in electric service utilities, which are major users of coal.

Of the 10 commodities with the fastest growth in domestic supply in 1992–96, only electronic components and accessories and “computer and data processing services, including own-account software,” were also in the top 10 in 1987–92 (table D). Four of the top 10 commodities are durable goods—farm, construction, and mining machinery; materials handling machinery and equipment; metalworking machinery and equipment; and truck and bus bodies, trailers, and motor vehicles parts. These commodities, which are produced by “heavy” industries, grew relatively slowly in 1987–92, but they rebounded in

Table A.—Commodity Output, Exports, Imports, and Domestic Supply, 1987, 1992 and 1996—Continued

[Millions of dollars]

Commodity number	Description	Output			Exports			Imports			Domestic supply		
		1987	1992	1996	1987	1992	1996	1987	1992	1996	1987	1992	1996
WHOLESALE AND RETAIL TRADE													
69A	Total	846,711	1,095,148	1,457,204	26,378	44,746	66,786	-15,533	-18,317	-19,221	799,871	1,029,427	1,368,144
69B	Wholesale trade	423,751	568,970	769,833	26,294	44,726	66,757	-15,533	-18,317	-19,221	376,995	503,269	681,076
	Retail trade	422,960	526,178	687,371	84	20	29	.....	.....	.....	422,876	526,158	687,068
FINANCE, INSURANCE, AND REAL ESTATE													
70A	Total	1,173,335	1,639,416	2,115,020	26,334	39,510	63,885	3,239	1,412	4,199	1,150,240	1,601,318	2,053,603
70B	Finance	280,950	390,774	555,217	12,598	17,142	26,922	161	265	526	268,513	373,897	528,753
71A	Insurance	177,621	231,654	304,295	2,906	1,685	3,384	3,078	1,136	3,662	177,793	231,105	304,484
71B	Owner-occupied dwellings	325,144	457,250	561,548	.....	.....	.....	.....	.....	.....	325,144	457,250	561,548
	Real estate and royalties	389,620	559,738	693,960	10,830	20,683	33,579	.....	11	11	378,790	539,066	658,818
SERVICES													
72A	Total	1,602,234	2,388,808	3,133,709	7,111	19,530	26,179	1,561	4,027	6,265	1,596,579	2,373,342	3,113,520
72B	Hotels and lodging places	40,064	58,936	72,325	49	48	68	.....	.....	.....	40,015	58,888	72,255
73A	Personal and repair services (except auto)	66,271	92,016	115,200	31	42	32	.....	.....	.....	66,240	91,974	115,159
73B	Computer and data processing services, including own-account software	85,000	152,744	254,081	928	3,092	3,904	104	225	449	84,137	149,918	250,534
73C	Legal, engineering, accounting, and related services	177,982	252,597	312,734	2,398	5,013	7,691	391	839	1,608	175,975	248,423	306,645
73D	Other business and professional services, except medical	211,758	332,385	478,767	1,546	5,677	5,847	740	1,632	2,124	210,893	328,340	474,914
74	Advertising	109,406	138,530	175,210	475	531	826	253	615	1,246	109,184	138,614	175,627
75	Eating and drinking places	211,021	282,017	337,370	271	328	417	.....	.....	.....	210,750	281,689	336,952
76	Automotive repair and services	131,228	164,408	236,460	31	34	898	.....	6	2	131,190	164,376	235,537
77A	Amusements	78,841	122,937	175,505	1,222	4,289	5,951	64	248	402	77,683	118,896	169,957
77B	Health services	338,393	564,607	684,210	16	26	21	.....	13	8	338,377	564,594	684,197
	Educational and social services, and membership organizations	152,270	227,631	291,848	144	450	524	9	449	426	152,135	227,630	291,743
SPECIAL INDUSTRIES													
78	Total	511,512	849,031	1,008,705	31,822	73,385	91,118	78,696	92,856	116,342	556,724	874,955	1,032,262
79	Federal Government enterprises	33,469	50,200	67,101	169	188	274	.....	.....	.....	33,300	50,012	66,824
80	State and local government enterprises	19,045	30,162	39,431	.....	.....	.....	.....	.....	.....	19,045	30,162	39,429
81	Noncomparable imports .....	.....	.....	.....	.....	.....	.....	78,696	90,036	111,687	78,696	90,036	111,687
82	Scrap, used, and secondhand goods	2,321	2,175	2,457	.....	5,872	6,171	.....	2,746	4,608	1,349	-2,480	-78
83	General government industry	466,785	764,389	886,742	.....	.....	.....	.....	.....	.....	466,785	764,389	886,742
84	Rest of world adjustment to final uses .....	.....	.....	.....	31,653	67,325	84,673	.....	74	47	-31,653	-67,251	-84,626
85	Household industry	7,709	10,087	12,284	.....	.....	.....	.....	.....	.....	7,709	10,087	12,284
	Inventory valuation adjustment	-17,817	-7,982	690	.....	.....	.....	.....	.....	.....	-18,507	-7,982	690

NOTE.—Domestic supply equals commodity output plus imports less exports less the change in private inventories. Changes in private inventories are not shown separately in this table.

1992-96 as the result of the overall growth in the economy after the 1990-91 cyclical contraction.

In 1992-96, increases in imports accounted for 62 percent of the increase in the domestic supply of computer and office equipment, for 34 percent of the increase in the domestic supply

of electronic components and accessories, and for 36 percent of the increase in the domestic supply of metalworking machinery and equipment. For all commodities, imports accounted for 8.5 percent of the increase in the domestic supply.

Table B.—Commodities with the Fastest Growing Output, Selected Years

Commodity number	Description	1992-96					1987-92	
		Commodity output			Exports		Commodity output	
		Change in level (millions of dollars)	Average annual rate of growth (percent)	Rank by average annual rate of growth	Change in level (millions of dollars)	Export change/commodity output change (percent)	Average annual rate of growth (percent)	Rank by average annual rate of growth
	All commodities	2,932,105	6.8	.....	190,473	6.6	5.8	.....
57	Electronic components and accessories	56,141	15.3	1	16,201	28.9	8.7	11
67	Radio and TV broadcasting	1,813	13.8	2	.....	.....	3.5	64
73A	Computer and data processing services, including own-account software	101,337	13.6	3	812	.8	12.4	1
48	Special industry machinery and equipment	13,296	13.5	4	3,963	29.8	4.3	53
56	Audio, video, and communication equipment	27,018	11.2	5	6,881	25.5	4.4	49
50	Miscellaneous machinery, except electrical	13,155	11.2	6	1,310	10.0	4.7	40
51	Computer and office equipment	31,629	10.8	7	14,154	44.8	2.7	71
46	Materials handling machinery and equipment	4,124	10.6	8	567	13.7	2.4	73
44+45	Farm, construction, and mining machinery	15,410	10.6	9	3,389	22.0	3.5	62
59B	Truck and bus bodies, trailers, and motor vehicles parts	39,945	10.5	10	7,619	19.1	3.5	63

Table C.—Commodities with the Slowest Growing Output, Selected Years

Commodity number	Description	1992-96					1987-92	
		Commodity output			Exports		Commodity output	
		Change in level (millions of dollars)	Average annual rate of growth (percent)	Rank by average annual rate of growth	Change in level (millions of dollars)	Export change/commodity output change (percent)	Average annual rate of growth (percent)	Rank by average annual rate of growth
	All commodities	2,932,105	6.8	.....	190,473	6.6	5.8	.....
13	Ordnance and accessories	-3,915	-4.7	93	-249	6.4	-4.6	93
07	Coal mining	-4,009	-4.0	92	-588	14.7	1.1	88
60	Aircraft and parts	-11,524	-2.9	91	-4,503	39.1	3.9	58
33+34	Footwear, leather, and leather products	-531	-1.4	90	222	(1)	1.7	83
15	Tobacco products	-365	-2	89	361	(1)	8.8	10
39	Metal containers	60	.1	88	-39	(1)	2.4	72
18	Apparel	2,518	.9	87	2,922	116.2	1.3	87
63	Ophthalmic and photographic equipment	1,038	1.1	86	73	470.6	4.0	57
65C	Water transportation	2,473	1.8	85	780	31.7	7.3	17
01	Livestock and livestock products	6,690	1.8	84	-4	(1)	1.3	86

1. The ratio is not meaningful, because the change in exports and the change in output move in opposite directions.

Table D.—Commodities with the Fastest Growing Domestic Supply, Selected Years

Commodity number	Description	1992-96					1987-92	
		Domestic supply			Imports		Domestic supply	
		Change in level (millions of dollars)	Average annual rate of growth (percent)	Rank by average annual rate of growth	Change in level (millions of dollars)	Import change/domestic supply change (percent)	Average annual rate of growth (percent)	Rank by average annual rate of growth
	All commodities	2,954,247	6.2	.....	249,566	8.5	5.6	.....
57	Electronic components and accessories	60,642	15.5	1	20,613	34.0	9.9	6
67	Radio and TV broadcasting	1,813	13.8	2	.....	.....	3.5	54
73A	Computer and data processing services, including own-account software	100,616	13.7	3	224	.2	12.2	1
51	Computer and office equipment	45,473	12.9	4	27,985	61.5	4.6	36
44+45	Farm, construction, and mining machinery	15,260	12.1	5	3,632	23.8	1.1	87
48	Special industry machinery and equipment	12,216	11.8	6	2,823	23.1	3.2	60
46	Materials handling machinery and equipment	4,607	11.4	7	1,102	23.9	.9	88
50	Miscellaneous machinery, except electrical	11,853	10.2	8	464	3.9	5.9	25
47	Metalworking machinery and equipment	13,455	10.2	9	4,832	35.9	3.0	64
59B	Truck and bus bodies, trailers, and motor vehicles parts	40,449	10.1	10	9,181	22.7	3.5	55

Of the 10 slowest growing commodities in domestic supply in 1992–96, tobacco products, scientific and controlling instruments, ophthalmic and photographic equipment, aircraft and parts, and water transportation were among the faster growing in 1987–92 (table E).

Changes in final uses PCE, private investment, and government consumption expenditures and gross investment—also affected the relative rates of growth in domestic supply. In 1992–96, reductions in national defense spending contributed directly to the declines in the domestic supply of ordnance and accessories, aircraft and parts, and scientific and controlling instruments. The slow growth in scientific and controlling instruments also reflected the decline in aircraft and parts, because it is an important intermediate input in the production of aircraft. The step-up in private investment contributed directly to the strong increases in “computer and data processing services, including own-account software”; computer and office equipment; farm, construction, and mining machinery; special industry machinery and equipment; materials handling machinery and equipment; and metal working machinery and equipment.

Methodology for the 1996 Annual I-O Accounts

The 1996 annual I-O accounts are based on both the 1992 benchmark I-O accounts and on the most recently revised NIPA's. The 1996 estimates incorporated the definitional, classificational, and statistical changes that were introduced in the 1999 comprehensive revision of the NIPA's, including a definitional change in the treatment of business and government expenditures for

software. Business and government purchases of software (except software embedded in other equipment) that were previously treated as intermediate purchases by business or as government consumption expenditures are now treated as investment. The costs—the intermediate inputs and the value-added inputs—that are associated with the production of own-account software are also treated as investment.⁸ In the I-O accounts, these costs are added to the gross output of the computer services industry (industry 73A).⁹ These and other changes were incorporated into the 1996 annual I-O estimates to make them more consistent with the NIPA's.

The methodology used to prepare the 1996 annual estimates is similar to that used for the 1992 benchmark estimates, but the annual estimates are based on less comprehensive and less detailed source data. For the annual estimates for which data were unavailable, the relationships from the 1992 benchmark accounts were extrapolated to 1996.

The annual I-O estimates are prepared in five steps: (1) The output total for each industry and commodity is calculated; (2) the commodity composition of intermediate inputs for each industry is estimated; (3) the domestic supply of each commodity is estimated; (4) the commodity compositions of the GDP expenditure components for PCE, gross private fixed investment, and government consumption and investment expenditures are derived; and (5) the table is balanced. In the rest of this section, for each of these

8. Moulton, Parker, and Seskin, 8.

9. In the I-O accounts, these costs are “redefined”—subtracted from the inputs of businesses that produce own-account software and from government consumption expenditures and added to the inputs of the computer services industry. Own-account construction is treated similarly.

Table E.—Commodities with the Slowest Growing Domestic Supply, Selected Years

Commodity number	Description	1992-96						1987-92	
		Domestic supply			Imports		Domestic supply		
		Change in level (millions of dollars)	Average annual rate of growth (percent)	Rank by average annual rate of growth	Change in level (millions of dollars)	Import change/ domestic supply change (percent)	Average annual rate of growth (percent)	Rank by average annual rate of growth	
	All commodities	2,954,247	6.2	.....	249,566	8.5	5.6	.....
13	Ordnance and accessories	-5,601	-7.3	93	138	(1)	-3.5	93	
60	Aircraft and parts	-17,883	-6.0	92	-441	2.5	4.3	45	
07	Coal mining	-3,532	-3.9	91	153	(1)	1.9	77	
39	Metal containers	206	.4	90	88	42.7	2.3	75	
15	Tobacco products	589	.4	89	-564	(1)	6.7	20	
65C	Water transportation	811	.9	88	-895	(1)	9.5	8	
62	Scientific and controlling instruments	8,039	1.9	87	4,683	58.3	4.5	38	
16	Broad and narrow fabrics, yarn and thread mills	3,806	2.4	86	-11	(1)	1.4	83	
01	Livestock and livestock products	9,179	2.5	85	359	3.9	1.2	85	
63	Ophthalmic and photographic equipment	3,041	2.7	84	2,422	79.6	4.4	41	

1. The ratio is not meaningful, because the change in imports and the change in domestic supply move in opposite directions.

steps, the procedures and source data used to prepare the 1996 annual estimates are compared with those used to prepare the 1992 benchmark estimates.

Industry and commodity output totals

For most industries, source data are available to estimate 1996 industry output at the same level of detail as that used for the 1992 benchmark accounts. For manufacturing, trade, and most service industries, the source data for the 1996 estimates are based on sample surveys, whereas the source data for the benchmark estimates were based on more complete and detailed data from the quinquennial economic censuses. For agriculture, insurance, and government enterprises and for major parts of transportation, communications, utilities, finance, and real estate, the source data used for the 1996 estimates are comparable to those used for the benchmark estimates. For the industries for which annual source data at the benchmark level of detail are not available, aggregated industry source data are used to extrapolate the industry output estimates. Table F summarizes by major industry division the number of i-o industries and the number of industry extrapolators available for the 1996 estimates; table G shows the data sources for these estimates.

For most commodities, source data are available to estimate 1996 commodity output at the same level of detail as that used for the 1992

benchmark accounts, and the data used for these estimates are from the same sources as those used to estimate industry output. For commodities without a commodity extrapolator, the commodity output is estimated using the industry output extrapolator and the 1992 benchmark commodity composition of industry output. This procedure is based on the assumption that the proportions of commodities produced by industries were constant from 1992 to 1996.

Commodity composition of intermediate inputs

The 1996 estimates of the composition of intermediate inputs used by each industry are based on 1992 benchmark relationships, with adjustments for changes in relative prices and other factors. First, each industry's 1996 output, valued in

Table F.—Annual I-O Industry Extrapolators and Commodity Extrapolators and Price Indexes, 1996

Industry/commodity group	Industries		Commodities		
	Total number	Number with concurrent extrapolators	Total number	Number with concurrent extrapolators	Number with price indexes
Total	780	758	4,663	4,076	2,122
Agriculture products	21	21	73	73	53
Minerals	25	25	66	66	25
Construction	57	57	63	63	54
Manufacturing products	436	436	3,668	3,663	1,792
Transportation, communication, and utilities	40	33	82	47	48
Trade	63	63	231	2	2
Finance	10	10	119	92	27
Services	86	71	229	13	105
Other	41	41	124	49	15
Noncomparable imports	1	1	8	8	1

Alternative Make and Use Tables

An alternative set of make and use tables that is more closely based on the 1987 Standard Industrial Classification System (SIC) was also prepared (see the box "Data Availability" on page 46). The alternative tables conform more closely to the current SIC establishment-based data collection system by showing the primary and secondary products in the industries that produce them. As a result, the industry definitions, which are used to determine the columns of the use table and the rows of the make table, may differ from those used in the traditional i-o tables.¹ For some industries, the differences may be significant. For example, auto repair output from the retail trade industry in the alternative i-o tables is only about 40 percent as large as auto repair industry output in the traditional i-o tables. Generally, the redefinitions affect the following industries: Manufacturing activities by nonmanufacturing industries—for example, bread making in the retail trade industry; trade

activities by nontrade industries—for example, buying and selling excess materials from inventory by manufacturing establishments; and service activities by industries in which services are not primary—for example, eating-and-drinking-related activities in the hotels and lodging places industry. However, construction activities performed by nonconstruction industries are redefined to construction in both the traditional and alternative tables.

The commodity definitions, which are used to determine the rows of the use table and the columns of the make table, are the same as those used in the traditional tables. Because SIC-defined industries include heterogeneous input mixes and production processes, alternative total requirements tables are not prepared.

The alternative tables are particularly useful for comparisons of industry data from the accounts with other SIC-based data, such as the data for gross product by industry and for capital stock that are prepared by BEA and the employment data that are prepared by the Bureau of Labor Statistics.

1. For a discussion of the i-o industry classification system used for the traditional tables, see Lawson, 46–47.

Table G.—Principal Source Data for 1996 Industry and Commodity Output

Commodity and industry	Source data for extrapolation	Price index
Agriculture, forestry, and fisheries:		
01 Livestock and livestock products	Cash receipts from marketings and inventory change from USDA.	Prices received by farmers from USDA
02 Other agricultural products	Cash receipts from marketings and inventory change from USDA.	Prices received by farmers from USDA
03 Forestry and fishery products	For forestry, shipments of logging camps and contractors from Census Bureau annual survey; for fishery products, wages and salaries from BLS.	For forestry, PPI's; for fishery products, IPD for fish landed
04 Agricultural, forestry, and fishery services	Wages and salaries from BLS	Composite index of wages and salaries per employee from BLS, farm prices, and PPI's
Mining:		
05+06 Metallic ores mining	Physical quantity: produced times average price; for uranium, physical quantity and average price from DOE; for all others, quantities and prices from USGS.	IPD for metallic minerals from DOE and USGS
07 Coal mining	Physical quantity produced times average price from DOE.	IPD for coal from DOE
08 Crude petroleum and natural gas	Physical quantity produced times average price from DOE.	IPD for crude petroleum and natural gas from DOE, except for natural gas liquids (PPI)
09 Nonmetallic minerals mining	Physical quantity produced times average price, both from USGS.	IPD for nonmetallic minerals from USGS
Construction:		
11 New construction including own-account construction.	Value put in place from Census Bureau monthly construction survey; expenditures from Federal regulatory agencies and trade sources, Department of Agriculture surveys.	BEA price index for new construction
12 Maintenance and repair construction including own-account construction.	Census Bureau annual surveys and BLS survey of expenditures by owner occupants.	BEA price index for maintenance and repair construction
Manufacturing	Shipments and inventory change from Census Bureau annual survey.	PPI's, BEA computer price index, BEA semiconductor price index, BEA digital telephone-switching equipment price index, and BEA price indexes based on DOD prices paid for military equipment
Transportation, communication, and utilities:		
65A Railroads and related services; passenger ground transportation.	For railroad transportation, total operating revenue for Class I railroads from trade source, and AMTRAK; for taxicabs, PCE; for local and suburban transit, trade source.	For railroads, IPD for freight and passenger ton-miles from trade source; for taxicabs, CPI; for intercity buses, IPD for passenger revenue-miles from trade source; for school buses, wages and salaries per employee from BLS; for other local transit, IPD for passenger trips from trade source
65B Motor freight transportation and warehousing	Census Bureau annual survey	IPD for freight ton-miles from trade source
65C Water transportation	For marinas, wages and salaries from BLS; for marine cargo handling, tonnage handled from Army Corps of Engineers; for other water transportation, trade sources.	For marinas, PCE price index; for marine cargo handling, wages and salaries per employee from BLS; for other water transportation, composite index of PPI's and BEA price indexes
65D Air transportation	Operating revenues of air carriers and of Federal Express from DOT and public sources.	IPD for revenue passenger miles and freight ton-miles from DOT
65E Pipelines, freight forwarders, and related services	For pipelines, operating revenues from trade source; for freight forwarders and related services, freight revenues from Census Bureau annual surveys and trade sources; for arrangement of passenger transportation, Census Bureau annual survey.	For pipelines, IPD for ton miles from trade source. For arrangement of passenger transportation and freight forwarders, PPI; for related services, wages and salaries per employee from BLS
66 Communications, except radio and TV	Census Bureau annual survey	For cellular telephone services, PCE price index; for other telephone services, PPI
67 Radio and TV broadcasting	Census Bureau annual survey	For advertising, cost indexes from trade sources. For cable television, PPI
68A Electric services (utilities)	For private utilities, revenues from DOE. For rural co-operatives, revenues from USDA.	PPI
68B Gas production and distribution (utilities)	Revenues of gas pipeline and utilities from DOE	IPD for BTU's from trade sources
68C Water and sanitary services	Revenues from trade source	CPI
Wholesale and retail trade:		
69A Wholesale trade	Census Bureau annual survey	For all except equipment rental by manufacturers sales offices, sales price index by kind-of-business computed from PPI's; for equipment rental, BEA capital stock price index
69B Retail trade	Census Bureau annual survey	Sales price index by kind-of-business computed from PPI's
Finance, insurance, and real estate:		
70A Finance	For priced services of depository and nondepository institutions (check collection, wire, transfer, clearing houses, etc.), from the DOT; for imputed service charges, regulatory agencies and FED; for security and commodity brokers, receipts from SEC and interest from SEC.	For imputed service charges, CPI price index; for priced services, CPI for personal financial services; for security and commodity brokers, IPD from SEC and trade sources; for other services, GDP IPD

1992 dollars, is estimated using an industry price index that is calculated by weighting commodity price indexes with the commodity composition of each industry's output. Generally, the number of price indexes available for commodities is fewer than the number of commodities; for commodities for which a price index is unavailable, an aggregate price index is applied to multiple commodities (tables F and G).¹⁰

Second, each industry's 1996 output, valued in 1992 dollars, is multiplied by that industry's 1992 direct requirements per dollar of output to obtain 1996 intermediate inputs valued in 1992 dollars. This procedure is based on the assumption that the 1996 composition of an industry's inputs per dollar of its output valued in 1992 constant dollars is unchanged from that in the

10. Slightly different estimates of intermediate consumption by industry results would have been obtained if the 1996 output and the resulting real intermediate consumption estimates had been reflatd using chain-type price

indexes like those used for most other BEA estimates. However, any such difference would not affect the allocation between final uses and intermediate inputs, because the allocations for final uses is based on the 1996 current-dollar NIPA estimates and the actual 1996 current-dollar commodity output.

Table G.—Principal Source Data for 1996 Industry and Commodity Output—Continued

Commodity and industry	Source data for extrapolation	Price index
70B Insurance	For insurance carriers from trade sources; for insurance agents, brokers, and services, receipts from IRS tabulations of business tax returns.	For health and life insurance, PCE price indexes. For all other insurance, BEA composite price index of IPD for workers compensation and CPI for auto and property insurance; for agents, brokers, and services, insurance carrier composite price indexes weighted by commissions from trade sources
71A Owner-occupied dwellings	Census Bureau annual surveys	CPI
71B Real estate and royalties	For tenant-occupied dwellings, Census Bureau annual surveys; for royalties, IRS tabulations of business tax returns.	For nonfarm business rental and property management, rental rate per square foot from trade source; for condominium association fees and for home maintenance and repair services, CPI; for all other, BEA price indexes
Services:		
72A Hotels and lodging places	Receipts from Census Bureau annual survey	Room-rate index from trade source
72B Personal and repair services (except auto)	Receipts from Census Bureau annual survey	CPI
73A Computer and data processing services, including own-account software.	For own-account software, BEA; for all other receipts, Census Bureau annual survey.	For prepackaged software, BEA price index; for computer equipment rental, BEA capital stock price index; for custom programming and own-account software, BEA own-account software price index; for all others, wages and salaries per employee from BLS
73B Legal, engineering, accounting, and related services.	Receipts from Census Bureau annual survey	For legal services, CPI; for accounting services, PCE price index; for engineering and related services, PPI and wages and salaries per employee from BLS
73C Other business and professional services, except medical.	Receipts from Census Bureau annual survey	CPI.
73D Advertising	Receipts from Census Bureau annual survey	Cost indexes by type of media from trade sources
74 Eating and drinking places	Receipts from Census Bureau annual survey	CPI
75 Automotive repair and services	Receipts from Census Bureau annual survey	CPI
76 Amusements	Receipts from Census Bureau annual survey	CPI
77A Health services	For hospitals, receipts from trade sources; other health services, receipts from Census Bureau annual survey.	For hospitals, PPI; for other health services, PPI; for physicians services, CPI and HCFA index of input prices for other services
77B Educational and social services, and membership organizations.	For private education and social services, BLS; for membership organizations, Census Bureau annual surveys.	PCE price index
Government enterprises:		
78 Federal Government enterprises	For the post office, U.S. Postal Service receipts; for electric utilities, DOE; for other enterprises U.S. Budget documents.	For U.S. Postal Service and for Federal electric utilities, PPI; for other enterprises, BEA composite price index
79 State and local government enterprises	For electric utilities, DOE, for other enterprises Census annual surveys.	For electric utilities, PPI; for transit, composite price index based on PCE price indexes for private transit; for other enterprises, BEA composite price index
80 Noncomparable imports	No domestic measures of industry and commodity output	BLS import price indexes
81 Scrap, used and secondhand goods	Census Bureau annual surveys	PPI
82 General government industry	Employee compensation and consumption of fixed capital from BEA.	BEA price indexes
83 Rest of the world adjustment to final uses	No domestic measures of industry and commodity output	n.a.
84 Household industry	Employee compensation from BLS	BEA price index based on BLS prices
85 Inventory valuation adjustment	BEA	n.a.

BEA Bureau of Economic Analysis
BLS Bureau of Labor Statistics
CPI Consumer Price Index (BLS)
DOC U.S. Department of Commerce
DOD U.S. Department of Defense
DOE U.S. Department of Energy
DOT U.S. Department of Transportation
DOTr U.S. Department of the Treasury
FED Federal Reserve Board
FCC Federal Communications Commission
HCFA Health Care Financing Administration

ICC Interstate Commerce Commission
IPD Implicit price deflator (BEA)
IRS Internal Revenue Service
NOAA National Oceanic and Atmospheric Administration
NRP National Railroad Passenger Corporation
PCE Personal consumption expenditures (BEA)
PPI Producer Price Index (BLS)
SEC Securities and Exchange Commission
USDA U.S. Department of Agriculture
USGS U.S. Geological Survey (Office of Minerals)
n.a. Not applicable.

1992 benchmark accounts. The results are then reflat to current-dollar values using commodity price indexes. For the benchmark estimates, source data for the commodity composition of intermediate inputs for each industry were available, primarily from the quinquennial economic censuses.

Finally, commodity taxes, transportation costs, and trade margins for each input are estimated. Commodity taxes are added to raise inputs in basic prices to producers' prices. Transportation costs and trade margins are estimated to provide the producer-value inputs of these commodities by industries, using rates based on 1996 commodity output and 1992 relationships.

Domestic supply

Domestic supply—the total value of goods and services available for consumption as intermediate inputs by industries or as PCE, gross private fixed investment, and government consumption and investment expenditures—is calculated as domestic commodity output plus imports less exports less the change in private inventories. Exports and imports in both the annual and benchmark I-O accounts are based on Census Bureau foreign trade statistics and the BEA international transactions accounts.¹¹ The 1996 change in private inventories by industry are from the NIPA's, and the commodity composition of inventories held by industries are based on 1992 benchmark relationships.

Commodity composition of final uses excluding trade and change in private inventories

The 1996 annual estimates of the major expenditure components of final uses for PCE, gross private fixed investment, and government consumption and investment are based on the procedures used to estimate GDP in the NIPA's.¹²

The major differences between the source data and the estimating procedures used for the 1992 benchmark estimates and those used for the 1996 NIPA estimates by major GDP expenditure component are as follows:

- **PCE goods**—The 1996 estimates are extrapolated from the 1992 benchmark estimates using the retail-control method. For the 1992


benchmark estimates, the commodity-flow method was used.¹³

- **PCE services**—The 1996 estimates are extrapolated from the 1992 benchmark estimates using measures of gross output that are similar to those used for the 1996 estimates of industry and commodity output.
- **Private investment in equipment and software**—The 1996 estimates are extrapolated from the 1992 benchmark estimates using an abbreviated commodity-flow method.¹⁴

The initial estimates of the 1996 commodity composition of PCE and gross private fixed investment are based on the commodity-flow method. The initial estimates for government expenditures are extrapolated using 1992 benchmark relationships.

Balancing the table

For each commodity, the initial estimates of the commodity distribution of domestic supply to all intermediate industries, PCE, gross private fixed investment, and government consumption and investment expenditures are adjusted so that these shares of domestic supply are similar to the shares in the 1992 I-O benchmark accounts. These estimates are then further adjusted to reflect the 1996 estimates of final expenditure categories from the 1999 NIPA comprehensive revision. Value added by industry is estimated by subtracting the sum of intermediate inputs by industry from industry output.

An appendix and tables 1 through 5 follow. 

13. For a description of the retail-control method, see U.S. Department of Commerce, Bureau of Economic Analysis, Personal Consumption Expenditures, Methodology Paper No. 6 (Washington, DC: U.S. Government Printing Office, 1990): 41; for a description of the commodity-flow method, see Lawson, 39.

14. See "Updated Summary NIPA Methodologies," 20–21.

Data Availability

The estimates for 97 industries at the input-output two-digit level, including a discussion of the matrix algebra underlying the derivation of the tables and the alternative estimates of the make and use tables on an approximate 1987 Standard Industrial Classification basis, are available from BEA's Web site at <www.bea.doc.gov>; under "National," click on "Industry and wealth data," and look under "Input-Output data."

These estimates are also available for \$20 on diskette—product number NDN-0247. To order, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call 202-606-9666).

11. Net exports in the I-O accounts and the NIPA's are equivalent.

12. See "Updated Summary NIPA Methodologies," SURVEY 78 (September 1998): 14–35 and Seskin, 15–43.

Appendix.—Classification of Industries in the Annual Input-Output Accounts

[An asterisk preceding a Standard Industrial Classification (SIC) code indicates that the SIC industry is included in more than one I-O industry.]

I-O number	I-O title	Related 1987 SIC codes	I-O number	I-O title	Related 1987 SIC codes
AGRICULTURE, FORESTRY, AND FISHERIES					
01	Livestock and livestock products	*01, *02	55	Electric lighting and wiring equipment	364
02	Other agricultural products	*01, *02	56	Audio, video, and communication equipment	365, 366
03	Forestry and fishery products	081, 083, 091, 097	57	Electronic components and accessories	367
04	Agricultural, forestry, and fishery services	0254, *0279, 071, 072, 075, 076, 078, 085, 092	58	Miscellaneous electrical machinery and supplies	369
			59A	Motor vehicles (passenger cars and trucks)	3711
			59B	Truck and bus bodies, trailers, and motor vehicles parts	3713-5
			60	Aircraft and parts	372, 3764, 3769
			61	Other transportation equipment	3716, 373-5, 3792, 3799
MINING					
05+06	Metallic ores mining	101-6, *108, 109	62	Scientific and controlling instruments	381, 382, 384, 387
07	Coal mining	121-3, *124	63	Ophthalmic and photographic equipment	385, 386
08	Crude petroleum and natural gas	131, 132, *138	64	Miscellaneous manufacturing	39
09+10	Nonmetallic minerals mining	141-7, *148, 149	TRANSPORTATION, COMMUNICATION, AND UTILITIES		
CONSTRUCTION					
11	New construction including own-account construction	*108, *124, *138, *148, *15, *16, *17, 6552	65A	Railroads and related services; passenger ground transportation.	40, 41, 474
12	Maintenance and repair construction including own-account construction.	*138, *15, *16, *17	65B	Motor freight transportation and warehousing	42
MANUFACTURING					
13	Ordnance and accessories	348, 3761, 3795	65C	Water transportation	44
14	Food and kindred products	20	65D	Air transportation	45
15	Tobacco products	21	65E	Pipelines, freight forwarders, and related services	46, 472, 473, 478
16	Broad and narrow fabrics, yarn and thread mills	221-4, *226, 228	66	Communications, except radio and TV	481, 482, 484, 489
17	Miscellaneous textile goods and floor coverings	227, 229	67	Radio and TV broadcasting	483
18	Apparel	225, 231-8	68A	Electric services (utilities)	491, 4931
19	Miscellaneous fabricated textile products	239	68B	Gas production and distribution (utilities)	492, 4932, 4939
20+21	Lumber and wood products	24	68C	Water and sanitary services	494-7
22+23	Furniture and fixtures	25	WHOLESALE AND RETAIL TRADE		
24	Paper and allied products, except containers	261, 262, 263, 267	69A	Wholesale trade	50, 51
25	Paperboard containers and boxes	265	69B	Retail trade	52-7, 59
26A	Newspapers and periodicals	271, 272	FINANCE, INSURANCE, AND REAL ESTATE		
26B	Other printing and publishing	273-9	70A	Finance	60-2, 67 (excluding 6732)
27A	Industrial and other chemicals	281, 286, 289	70B	Insurance	63, 64
27B	Agricultural fertilizers and chemicals	287	71A	Owner-occupied dwellings	65 (excluding 6552)
28	Plastics and synthetic materials	282	71B	Real estate and royalties	
29A	Drugs	283	SERVICES		
29B	Cleaning and toilet preparations	284	72A	Hotels and lodging places	70
30	Paints and allied products	285	72B	Personal and repair services (except auto)	72, 762-4
31	Petroleum refining and related products	29	73A	Computer and data processing services	737
32	Rubber and miscellaneous plastics products	30	73B	Legal, engineering, accounting, and related services	81, 871, 872, 89
33+34	Footwear, leather, and leather products	31	73C	Other business and professional services, except medical.	732-6, 738, 769, 8731, 8732, 8734, 874
35	Glass and glass products	321-3	73D	Advertising	731
36	Stone and clay products	324-9	74	Eating and drinking places	58
37	Primary iron and steel manufacturing	331, 332, 339, 3462	75	Automotive repair and services	75
38	Primary nonferrous metals manufacturing	333-6, 3463	76	Amusements	78, 79
39	Metal containers	341	77A	Health services	074, 80
40	Heating, plumbing, and fabricated structural metal products.	343, 344	77B	Educational and social services, and membership organizations.	6732, 82-4, 86, 8733
41	Screw machine products and stamping	345, 3465-9	SPECIAL INDUSTRIES		
42	Other fabricated metal products	342, 347, 349	78	Federal Government enterprises	(1)
43	Engines and turbines	351	79	State and local government enterprises	(1)
44+45	Farm, construction, and mining machinery	352, 3531-3	80	Noncomparable imports	(2)
46	Materials handling machinery and equipment	3534-7	81	Scrap, used and secondhand goods	(3)
47	Metalworking machinery and equipment	354	82	General government industry	(4)
48	Special industry machinery and equipment	355	83	Rest of the world adjustment to final uses	(5)
49	General industrial machinery and equipment	356	84	Household industry	(6)
50	Miscellaneous machinery, except electrical	359	85	Inventory valuation adjustment	(7)
51	Computer and office equipment	357			
52	Service industry machinery	358			
53	Electrical industrial equipment and apparatus	361, 362			
54	Household appliances	363			

1. The SIC assigns codes to activities regardless of whether the establishment is owned by a private firm or a government agency. In the I-O accounts, SIC codes are used only to classify private activities.

2. Noncomparable imports include imported services that are not commercially produced in the United States and goods and services that are produced abroad and used abroad by U.S. residents—for example, U.S. Federal Government defense spending abroad.

3. Scrap is a secondary product of many industries, and used goods are sales and purchases typically between final uses. Industry output is zero because there is no primary producing industry. The sales are shown as negative values in the use table.

4. Industry output is defined as the compensation of employees and consumption of fixed capital of general government agencies. The compensation of employees engaged in construction work is included in construction. The compensation of employees engaged in the production of own-account software is included in computer and data processing services.

5. The commodity entries include adjustments among PCE and government expenditures to eliminate counting the expenditures by foreign residents in both exports and PCE or government expenditures.

6. Industry output is defined as the compensation of domestic household workers.

7. The inventory valuation adjustment removes inventory profits and losses from business income.

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction, including own-account construction	Maintenance and repair construction, including own-account construction
		1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	96,065		252	732						
2	Other agricultural products		137,455	3,148	1,530						
3	Forestry and fishery products			11,136							
4	Agricultural, forestry, and fishery services				37,376						
5+6	Metallic ores mining					12,825	9				
7	Coal mining						22,896			12	
8	Crude petroleum and natural gas							112,299			
9+10	Nonmetallic minerals mining					14	3		14,386		
11	New construction, including own-account construction									588,735	
12	Maintenance and repair construction, including own-account construction										278,930
13	Ordinance and accessories										
14	Food and kindred products										
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings										
18	Apparel										
19	Miscellaneous fabricated textile products										
20+21	Lumber and wood products										
22+23	Furniture and fixtures										
24	Paper and allied products, except containers										
25	Paperboard containers and boxes										
26A	Newspapers and periodicals										
26B	Other printing and publishing										
27A	Industrial and other chemicals										
27B	Agricultural fertilizers and chemicals										
28	Plastics and synthetic materials										
29A	Drugs										
29B	Cleaning and toilet preparations										
30	Paints and allied products										
31	Petroleum refining and related products										
32	Rubber and miscellaneous plastics products										
33+34	Footwear, leather, and leather products										
35	Glass and glass products										
36	Stone and clay products										
37	Primary iron and steel manufacturing										
38	Primary nonferrous metals manufacturing										
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products										
41	Screw machine products and stampings										
42	Other fabricated metal products										
43	Engines and turbines										
44+45	Farm, construction, and mining machinery										
46	Materials handling machinery and equipment										
47	Metalworking machinery and equipment										
48	Special industry machinery and equipment										
49	General industrial machinery and equipment										
50	Miscellaneous machinery, except electrical										
51	Computer and office equipment										
52	Service industry machinery										
53	Electrical industrial equipment and apparatus										
54	Household appliances										
55	Electric lighting and wiring equipment										
56	Audio, video, and communication equipment										
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies										
59A	Motor vehicles (passenger cars and trucks)										
59B	Truck and bus bodies, trailers, and motor vehicles parts										
60	Aircraft and parts										
61	Other transportation equipment										
62	Scientific and controlling instruments										
63	Ophthalmic and photographic equipment										
64	Miscellaneous manufacturing										
65A	Railroads and related services; passenger ground transportation										
65B	Motor freight transportation and warehousing										
65C	Water transportation										
65D	Air transportation										
65E	Pipelines, freight forwarders, and related services										
66	Communications, except radio and TV										
67	Radio and TV broadcasting										
68A	Electric services (utilities)										
68B	Gas production and distribution (utilities)										
68C	Water and sanitary services										
69A	Wholesale trade										
69B	Retail trade										
70A	Finance										
70B	Insurance										
71A	Owner-occupied dwellings										
71B	Real estate and royalties										
72A	Hotels and lodging places										
72B	Personal and repair services (except auto)										
73A	Computer and data processing services, including own-account software										
73B	Legal, engineering, accounting, and related services										
73C	Other business and professional services, except medical										
73D	Advertising										
74	Eating and drinking places										
75	Automotive repair and services										
76	Amusements										
77A	Health services										
77B	Educational and social services, and membership organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	96,065	137,455	14,536	39,638	12,839	22,908	112,299	14,400	588,735	278,930

*Less than \$500,000.

by Industries, 1996
at producers' prices]

Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Industry number
13	14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	
	907						209								1
															2
															3
															4
															5+8
															7
															8
															9+10
															11
															12
17,326															13
	463,262														14
		39,763													15
															16
															17
															18
															19
															20+21
															22+23
															24
															25
															26A
															26B
															27A
															27B
															28
															29A
															29B
															30
															31
															32
															33+34
															35
															36
															37
															38
															39
															40
															41
															42
															43
															44+45
															46
															47
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															75
															76
															77A
															77B
															78
															79
															82
															84
															85
18,302	464,948	39,762	40,813	21,050	71,155	24,968	111,795	54,527	116,899	39,233	22,485	95,247	134,434	22,556	T

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

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing
		28	29A	29B	30	31	32	33+34	35	36	37
1	Livestock and livestock products										
2	Other agricultural products										
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5+6	Metallic ores mining									2	
7	Coal mining										
8	Crude petroleum and natural gas					8,424					
9+10	Nonmetallic minerals mining					86				393	
11	New construction, including own-account construction										
12	Maintenance and repair construction, including own-account construction										
13	Ordinance and accessories			7							10
14	Food and kindred products		190	111			35	142			
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills	2,638		9			2	2			
17	Miscellaneous textile goods and floor coverings	273	2			72	103	25			
18	Apparel	38		3			38	52			
19	Miscellaneous fabricated textile products			19			73	13			
20+21	Lumber and wood products						154		75	9	
22+23	Furniture and fixtures				1		104	1	82		9
24	Paper and allied products, except containers		1	511	7		1,169			21	
25	Paperboard containers and boxes			3			340				
26A	Newspapers and periodicals										
26B	Other printing and publishing						16	42			
27A	Industrial and other chemicals	6,789	520	1,365	294	2,169	361		8	146	37
27B	Agricultural fertilizers and chemicals	411	103	55		11	1	1		1	
28	Plastics and synthetic materials	51,700	158	71	19	19	892				3
29A	Drugs	13	76,016	988			2				
29B	Cleaning and toilet preparations	284	405	44,806	54	70	18			17	
30	Paints and allied products	157		11	17,012	8	3			14	
31	Petroleum refining and related products	178	3	102	6	162,579	13		9	126	5
32	Rubber and miscellaneous plastics products	558	3	49	45	1	141,773	14	66	8	38
33+34	Footwear, leather, and leather products						47	8,621			
35	Glass and glass products						105		21,085	8	
36	Stone and clay products	30	46	33	24	104	189		68	57,077	22
37	Primary iron and steel manufacturing	1					4			10	95,916
38	Primary nonferrous metals manufacturing						52		94	8	507
39	Metal containers						13				
40	Heating, plumbing, and fabricated structural metal products	1					527		32	53	61
41	Screw machine products and stampings				1		81	17	9	9	9
42	Other fabricated metal products			1	4		354	40	6	83	138
43	Engines and turbines										18
44+45	Farm, construction, and mining machinery					6	5				112
46	Materials handling machinery and equipment						10				3
47	Metalworking machinery and equipment			1			103			59	47
48	Special industry machinery and equipment						73		2	25	21
49	General industrial machinery and equipment						27			8	80
50	Miscellaneous machinery, except electrical						36				41
51	Computer and office equipment						43		2		21
52	Service industry machinery			41			26			14	16
53	Electrical industrial equipment and apparatus	8				32	8			12	1
54	Household appliances						3		23		
55	Electric lighting and wiring equipment	12		1			63	3	30		124
56	Audio, video, and communication equipment				67		2			13	
57	Electronic components and accessories						58		1		7
58	Miscellaneous electrical machinery and supplies			7			29			31	
59A	Motor vehicles (passenger cars and trucks)						11	1			3
59B	Truck and bus bodies, trailers, and motor vehicles parts	1					32				2
60	Aircraft and parts						26				
61	Other transportation equipment						112	1	17	4	1
62	Scientific and controlling instruments		440	17			111				
63	Ophthalmic and photographic equipment				93		195			3	
64	Miscellaneous manufacturing	1	3	31				32			
65A	Railroads and related services; passenger ground transportation										
65B	Motor freight transportation and warehousing										
65C	Water transportation										
65D	Air transportation										
65E	Pipelines, freight forwarders, and related services										
66	Communications, except radio and TV										
67	Radio and TV broadcasting										
68A	Electric services (utilities)										
68B	Gas production and distribution (utilities)										
68C	Water and sanitary services										
69A	Wholesale trade										
69B	Retail trade										
70A	Finance										
70B	Insurance										
71A	Owner-occupied dwellings										
71B	Real estate and royalties										
72A	Hotels and lodging places										
72B	Personal and repair services (except auto)										
73A	Computer and data processing services, including own-account software										
73B	Legal, engineering, accounting, and related services										
73C	Other business and professional services, except medical										
73D	Advertising										
74	Eating and drinking places										
75	Automotive repair and services										
76	Amusements										
77A	Health services										
77B	Educational and social services, and membership organizations										
78	Federal Government enterprises										
79	State and local government enterprises									54	
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	63,071	77,890	48,232	17,627	173,581	147,440	9,007	21,609	58,228	97,252

* Less than \$500,000.

by Industries, 1996—Continued
at producers' prices]

Primary non-ferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Industry number
38	39	40	41	42	43	44+45	46	47	48	49	50	51	52	
														1
														2
														3
														4
														5+6
														7
														8
														9+10
														11
														12
10		8	11	4			17	12	4	4	3		53	13
	3								1				5	14
				8										15
1				20										16
				9					6					17
				35										18
				37										19
		1	2											20+21
		132	4											22+23
13	9	46	13	160		12	31	2		1	3		28	24
			4	349			1						8	25
	32		1	2				9		1			9	26
														26A
	187		1	72					14	5				26B
1,385		2		16		54		2	13					27A
		1		1										27B
										11				28
										5				29A
														29B
									1	1				30
									9					31
														32
116	13	172	187	310	4	7		563	81	133	24			33+34
			1	7		36	4		1					35
			65	6										36
84		13	5	44		10		100	3		1			37
510		35	94	2,533		28		220	3	25	26	4		38
79,882		190	24	293		2		242	6		15			39
			61	21										40
	12,990	3	1	21										41
		82,302	221	528	9	46	104	82	68	116	164	2	68	42
100	36	53	44,288	213	1	35	4	801	5	57	88		12	43
28	19	56	265	19		68	31	200	86	243	409	2	33	44
94	6	556	7	68,525		17		7	2	136	90			45
		133	389	213	21,703	45,065		212	34	196	130			46
		114	2	32	114	75		67	50	85	13			47
		49	175	245		293		11,336	33,787	91	370			48
11		33	4	71		2		53	267	246	81	2		49
5		26	19	180	303	75		161	31,786	37,351	207	5		50
1		151	248	483	42	14		181	404	86	36,016			51
10	3	313	9	32	1	5		287	45	1				52
		304	50	109	2	29		6	108	204	21	89,730		53
		9	35	15	39	22		51	3	178	3	29	35,570	54
		35	71	1		5		30	6	10			22	55
25		3	2	102		5		43	6	11	188		118	56
			6	5				4	2					57
100		31	40	141		2		22						58
625		3	7	15				6	347					59
								7		4				60
								23						61
								74						62
71						42		91						63
6						88								64
														65A
														65B
														65C
														65D
														65E
														66
														67
														68A
														68B
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														83
														84
														85
63,073	13,298	65,017	46,842	75,433	23,890	46,356	12,414	37,404	33,514	39,519	38,101	93,717	36,571	T

Table 1.—The Make of Commodities

(Millions of dollars)

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment
		53	54	55	56	57	58	59A	59B	60	61
1	Livestock and livestock products										
2	Other agricultural products										
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5+6	Metallic ores mining										
7	Coal mining										
8	Crude petroleum and natural gas										
9+10	Nonmetallic minerals mining										
11	New construction, including own-account construction										
12	Maintenance and repair construction, including own-account construction										
13	Ordnance and accessories				124	12	16		4	1,686	
14	Food and kindred products										
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings										
18	Apparel										
19	Miscellaneous fabricated textile products		7								
20+21	Lumber and wood products			3		16					
22+23	Furniture and fixtures	3	18	30	35	45			8		3
24	Paper and allied products, except containers	1			13		447				
25	Paperboard containers and boxes										
26A	Newspapers and periodicals										
26B	Other printing and publishing					1					
27A	Industrial and other chemicals			2		10		4			
27B	Agricultural fertilizers and chemicals							1			
28	Plastics and synthetic materials										
29A	Drugs										
29B	Cleaning and toilet preparations		9					4			
30	Paints and allied products	4								23	
31	Petroleum refining and related products										
32	Rubber and miscellaneous plastics products	54	212	155	1	118	7		39	7	5
33+34	Footwear, leather, and leather products										
35	Glass and glass products	1		6					49	1	
36	Stone and clay products	9		8		18	21		42		
37	Primary iron and steel manufacturing	10		186		6			163		
38	Primary nonferrous metals manufacturing			16	326	169	9			5	
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products	5	223	9		16	5		49	6	26
41	Screw machine products and stampings	1	50	14	5	22	2		387		7
42	Other fabricated metal products	176	4	61		34	3		164	147	28
43	Engines and turbines	597					4		276	164	7
44+45	Farm, construction, and mining machinery	41	4	87			1		185	17	205
46	Materials handling machinery and equipment	41		1					14	1	18
47	Metalworking machinery and equipment	47	95	17		20	8		14	4	5
48	Special industry machinery and equipment	21	27	21		45	6		15		
49	General industrial machinery and equipment	155	12	22		37	6		143	6	3
50	Miscellaneous machinery, except electrical	226				11	358	11	249	65	5
51	Computer and office equipment	81		16	276	6,011	536				
52	Service industry machinery	13	151	4	20	7	6		885		10
53	Electrical industrial equipment and apparatus	36,067	29	229	13	302	154		79	26	1
54	Household appliances	35	19,187	18		7	4		27		
55	Electric lighting and wiring equipment	279	4	21,877	120	241	12	12	254	2	
56	Audio, video, and communication equipment	98	350	80	73,328	1,077	230		19	7	
57	Electronic components and accessories	164	7	114	331	119,813	75				
58	Miscellaneous electrical machinery and supplies	41	28	145	809	197	22,936		253	50	3
59A	Motor vehicles (passenger cars and trucks)							197,548	2,490		67
59B	Truck and bus bodies, trailers, and motor vehicles parts	68		13	610	424	786	2,667	114,954	75	88
60	Aircraft and parts	2		1	56	1	7		73	87,838	42
61	Other transportation equipment	98					15	13	89		36,996
62	Scientific and controlling instruments	223	7	279	1,898	782	206		279	499	1
63	Ophthalmic and photographic equipment			2	11		131				
64	Miscellaneous manufacturing	1	1	8	16	4	5	26			23
65A	Railroads and related services; passenger ground transportation										
65B	Motor freight transportation and warehousing										
65C	Water transportation										
65D	Air transportation										
65E	Pipelines, freight forwarders, and related services										
66	Communications, except radio and TV										
67	Radio and TV broadcasting										
68A	Electric services (utilities)										
68B	Gas production and distribution (utilities)										
68C	Water and sanitary services										
69A	Wholesale trade										
69B	Retail trade										
70A	Finance										
70B	Insurance										
71A	Owner-occupied dwellings										
71B	Real estate and royalties										
72A	Hotels and lodging places										
72B	Personal and repair services (except auto)										
73A	Computer and data processing services, including own-account software										
73B	Legal, engineering, accounting, and related services										
73C	Other business and professional services, except medical										
73D	Advertising										
74	Eating and drinking places										
75	Automotive repair and services										
76	Amusements										
77A	Health services										
77B	Educational and social services, and membership organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	38,562	20,425	23,424	77,999	129,439	26,005	200,277	121,203	90,630	37,543

* Less than \$500,000.

Scientific and controlling instruments	Ophthalmic and photo- graphic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communica- tions, except radio and TV	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Industry number
62	63	64	65A	65B	65C	65D	65E	66	67	68A	68B	68C	69A	
														1
														2
														3
														4
														5+6
														7
														8
														9+10
														11
														12
505														13
														14
														15
9														16
24			84											17
59			44											18
4			18											19
20		3	43											20+21
194		12	69											22+23
			40											24
16														25
12		6	189											26A
19		8	21											26B
														27A
		9												27B
265		19	8											28
24			39											29A
			20											29B
			9											30
														31
132		30	294											32
9			11											33+34
53			6											35
27		1	24											36
37			3											37
10			7								48			38
														39
27			8											40
12			21											41
312		1	75											42
3														43
19			3											44+45
														46
43			1											47
38		29	3											48
80			7											49
39			2											50
65		297	301											51
24			5											52
154			3											53
10		7	2											54
173		8	10											

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (except auto)	Computer and data processing services, including own-account software	Legal, engineering, accounting, and related services
		69B	70A	70B	71A	71B	72A	72B	73A	73B
1	Livestock and livestock products									
2	Other agricultural products									
3	Forestry and fishery products									
4	Agricultural, forestry, and fishery services									
5+6	Metallic ores mining									
7	Coal mining									
8	Crude petroleum and natural gas									
9+10	Nonmetallic minerals mining									
11	New construction, including own-account construction									
12	Maintenance and repair construction, including own-account construction									
13	Ordinance and accessories									
14	Food and kindred products									
15	Tobacco products									
16	Broad and narrow fabrics, yarn and thread mills									
17	Miscellaneous textile goods and floor coverings									
18	Apparel									
19	Miscellaneous fabricated textile products									
20+21	Lumber and wood products									
22+23	Furniture and fixtures									
24	Paper and allied products, except containers									
25	Paperboard containers and boxes									
26A	Newspapers and periodicals									
26B	Other printing and publishing									
27A	Industrial and other chemicals									
27B	Agricultural fertilizers and chemicals									
28	Plastics and synthetic materials									
29A	Drugs									
29B	Cleaning and toilet preparations									
30	Paints and allied products									
31	Petroleum refining and related products									
32	Rubber and miscellaneous plastics products									
33+34	Footwear, leather, and leather products									
35	Glass and glass products									
36	Stone and clay products									
37	Primary iron and steel manufacturing									
38	Primary nonferrous metals manufacturing									
39	Metal containers									
40	Heating, plumbing, and fabricated structural metal products									
41	Screw machine products and stampings									
42	Other fabricated metal products									
43	Engines and turbines									
44+45	Farm, construction, and mining machinery									
46	Materials handling machinery and equipment									
47	Metalworking machinery and equipment									
48	Special industry machinery and equipment									
49	General industrial machinery and equipment									
50	Miscellaneous machinery, except electrical									
51	Computer and office equipment								1,074	
52	Service industry machinery									
53	Electrical industrial equipment and apparatus									
54	Household appliances									
55	Electric lighting and wiring equipment									
56	Audio, video, and communication equipment									
57	Electronic components and accessories									
58	Miscellaneous electrical machinery and supplies									
59A	Motor vehicles (passenger cars and trucks)									
59B	Truck and bus bodies, trailers, and motor vehicles parts									
60	Aircraft and parts									
61	Other transportation equipment									
62	Scientific and controlling instruments									
63	Ophthalmic and photographic equipment									
64	Miscellaneous manufacturing									
65A	Railroads and related services; passenger ground transportation									
65B	Motor freight transportation and warehousing									
65C	Water transportation									
65D	Air transportation									
65E	Pipelines, freight forwarders, and related services									
66	Communications, except radio and TV									
67	Radio and TV broadcasting									
68A	Electric services (utilities)									
68B	Gas production and distribution (utilities)									
68C	Water and sanitary services									
69A	Wholesale trade									
69B	Retail trade	683,713								
70A	Finance		555,123	580						
70B	Insurance			303,241						
71A	Owner-occupied dwellings				561,548					
71B	Real estate and royalties			289		681,408				
72A	Hotels and lodging places					889	72,325			
72B	Personal and repair services (except auto)							114,619		
73A	Computer and data processing services, including own-account software								251,767	
73B	Legal, engineering, accounting, and related services								567	311,362
73C	Other business and professional services, except medical							579	673	1,372
73D	Advertising									
74	Eating and drinking places									
75	Automotive repair and services									
76	Amusements									
77A	Health services									
77B	Educational and social services, and membership organizations									
78	Federal Government enterprises	2,028		152		457		2		
79	State and local government enterprises	1,628	94	33		11,206				
82	General government industry									
84	Household industry									
85	Inventory valuation adjustment									
T	Total commodity output	687,371	555,217	304,295	561,548	693,960	72,325	115,200	254,061	312,734

*Less than \$500,000.

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Other business and professional services, except medical	Advertising	Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Scrap, used and second-hand goods	General government industry	Household industry	Inventory valuation adjustment	Total industry output	Industry number
73C	73D	74	75	76	77A	77B	78	79	81	82	84	85		
				777 733									98,733	1
													143,076	2
													11,136	3
													37,376	4
													12,850	5+6
													22,902	7
													120,838	8
													16,690	9+10
													588,735	11
													278,930	12
													19,845	13
													465,180	14
									4				39,784	15
													45,616	16
													20,588	17
													71,611	18
													22,564	19
									57				111,605	20+21
									7				54,589	22+23
									63				118,397	24
									172				39,393	25
	40,999								18				64,842	26A
37,543									78				132,108	26B
									27				128,069	27A
									3				22,446	27B
									22				59,129	28
									33				78,432	29A
									14				47,447	29B
													17,372	30
									14				170,226	31
									97				146,848	32
													8,761	33+34
									19				21,507	35
									40				58,587	36
									36				100,039	37
									96				82,034	38
													13,068	39
									51				65,218	40
									376				46,655	41
									14				72,829	42
									17				23,200	43
57									15				47,550	44+45
									3				11,849	46
									9				35,854	47
									10				33,207	48
									56				40,076	49
									10				38,645	50
									2				98,666	51
									44				37,739	52
													37,539	53
													19,641	54
									20				23,782	55
													76,293	56
													124,761	57
													26,528	58
									28				200,631	59A
									223				121,710	59B
													89,767	60
									11				37,991	61
									10				120,125	62
													24,657	63
	3,683								4				51,004	64
									5				68,695	65A
													212,488	65B
													34,825	65C
													118,316	65D
													41,653	65E
													291,856	66
													39,488	67
													199,585	68A
													106,611	68B
													23,158	68C
													769,833	69A
													683,714	69B
													601,756	70A
													303,241	70B
													561,548	71A
													681,696	71B
													73,214	72A
													114,884	72B
													251,768	73A
													317,815	73B
													488,209	73C
													39,066	73D
									621				336,205	74
													189,382	75
													173,480	76
													684,829	77A
													292,790	77B
													78,281	78
													114,093	79
													886,742	82
													12,284	84
											12,284		690	85
													690	T
478,767	175,210	337,370	236,460	175,505	684,210	291,848	67,101	39,431	2,457	886,742	12,284	690	13,789,458	

Table 2.—The Use of Commodities

(Millions of dollars)

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction, including own-account construction	Maintenance and repair construction, including own-account construction
	Industry number	1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	10,799	11	136	875						
2	Other agricultural products	30,746	4,151		4,125			1		1,255	603
3	Forestry and fishery products			369	70						
4	Agricultural, forestry, and fishery services	4,819	9,764	2,780	204	25	21	3	9	1,891	1,015
5+6	Metallic ores mining					1,534					
7	Coal mining					13	2,295		47		
8	Crude petroleum and natural gas							25,919			
9+10	Nonmetallic minerals mining	8	345		3	8	7		546	3,941	2,497
11	New construction, including own-account construction									236	
12	Maintenance and repair construction, including own-account construction	1,094	1,435	310	333	289	81	3,026	125	351	175
13	Ordinance and accessories										
14	Food and kindred products	21,077		520	90						
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills		252				86				
17	Miscellaneous textile goods and floor coverings	186	287	51	92					1,271	569
18	Apparel						3	1			
19	Miscellaneous fabricated textile products		229	8	71					393	227
20+21	Lumber and wood products	53	462			57	71	2		28,550	19,057
22+23	Furniture and fixtures									1,554	6
24	Paper and allied products, except containers	218	316	14	9	5	4	1	11	2,271	714
25	Paperboard containers and boxes	8	931	20	163	5	6	2	3	334	159
26A	Newspapers and periodicals	10	11		7		1	2	19		
26B	Other printing and publishing	6	9	13	6		1	1	1	141	71
27A	Industrial and other chemicals	95	73	3	6	641	319	1,170	327	1,637	719
27B	Agricultural fertilizers and chemicals	279	10,391	39	3,069	2	2			2	
28	Plastics and synthetic materials										
29A	Drugs	332			1						
29B	Cleaning and toilet preparations	72		11				5		167	115
30	Paints and allied products				8			1		4,780	2,441
31	Petroleum refining and related products	898	3,296	254	221	278	610	610	551	6,764	5,527
32	Rubber and miscellaneous plastics products	504	785	8	43	84	308	17	164	10,926	6,016
33+34	Footwear, leather, and leather products	51						1			
35	Glass and glass products	7			13			2	6	1,522	173
36	Stone and clay products		151		6	42	151	247		33,160	8,718
37	Primary iron and steel manufacturing	47	72			344	84	1,450	206	4,447	1,844
38	Primary nonferrous metals manufacturing				3		15			4,245	2,020
39	Metal containers			2							
40	Heating, plumbing, and fabricated structural metal products	18	23			110	78	48	77	31,255	12,338
41	Screw machine products and stampings	36				17	140		12	351	110
42	Other fabricated metal products	297	506	12	72	2	71	518	12	11,562	4,561
43	Engines and turbines			14		40	116	25	55		
44+45	Farm, construction, and mining machinery	138	379	24	33	325	1,155	285	516	1,316	512
46	Materials handling machinery and equipment					70	149	49	219	1,991	20
47	Metalworking machinery and equipment	40	57		1	13	5	19	4	444	137
48	Special industry machinery and equipment				1					2	4
49	General industrial machinery and equipment	36	83	1	2	46	247	109	120	4,161	759
50	Miscellaneous machinery, except electrical	61	166	1	18	31	145	207	20	326	6
51	Computer and office equipment										
52	Service industry machinery			2	3		4	4	3	7,375	3,379
53	Electrical industrial equipment and apparatus	11	26	3		26	67	86	68	3,508	1,171
54	Household appliances									1,118	633
55	Electric lighting and wiring equipment	40	43	2	27		17	240	1	9,623	4,027
56	Audio, video, and communication equipment									2,412	881
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies	244	667	6	41	4	9	11	17	1,458	497
59A	Motor vehicles (passenger cars and trucks)										
59B	Truck and bus bodies, trailers, and motor vehicles parts	68	163	34	54	19	38	45	63	674	350
60	Aircraft and parts										
61	Other transportation equipment					1				185	89
62	Scientific and controlling instruments			16	20	2	2	2		1,947	726
63	Ophthalmic and photographic equipment				10		4	14		74	31
64	Miscellaneous manufacturing	36	59		4	2	3	3	5	1,936	847
65A	Railroads and related services; passenger ground transportation	1,396	346	17	70	78	797	169	82	994	559
65B	Motor freight transportation and warehousing	2,484	1,410	31	333	190	356	291	324	9,115	4,378
65C	Water transportation	39	65	274	9	9	48	24	9	176	101
65D	Air transportation	36	123	37	500	37	90	246	52	852	379
65E	Pipelines, freight forwarders, and related services	115	31	1	2	3	5	9	6	20	9
66	Communications, except radio and TV	265	297	12	166	32	38	215	50	2,382	1,200
67	Radio and TV broadcasting										
68A	Electric services (utilities)	1,740	862	8	60	789	528	1,438	690	754	360
68B	Gas production and distribution (utilities)		376	3	2	95	35	5,462	310	138	
68C	Water and sanitary services	137	726	19			3	92	11	653	338
69A	Wholesale trade	6,343	6,847	212	1,157	406	941	1,091	712	24,379	11,337
69B	Retail trade		27	10	24	38	235	68	23,954	13,225	
70A	Finance	497	566	83	225	90	185	584	145	3,535	1,431
70B	Insurance	441	1,069	54	123	51	74	211	69	3,984	1,075
71A	Owner-occupied dwellings										
71B	Real estate and royalties	4,995	12,388	12	292	102	657	21,235	209	3,023	1,351
72A	Hotels and lodging places	27	40	28	58	33	78	251	43	469	222
72B	Personal and repair services (except auto)	32	90	7	74	6	9	12	3	273	158
73A	Computer and data processing services, including own-account software	5	4	6	3	12	11	75	34	481	265
73B	Legal, engineering, accounting, and related services	74	95	279	523	178	401	1,799	164	39,990	8,773
73C	Other business and professional services, except medical	569	1,505	193	455	183	248	501	174	17,967	8,942
73D	Advertising	13	26	6	138	6	14	130	48	397	189
74	Eating and drinking places	8	15	28	60	39	78	249	50	482	227
75	Automotive repair and services	125	367	66	351	33	41	125	33	2,937	1,718
76	Amusements			2	277	1	13	47	2	82	46
77A	Health services	1,997									
77B	Educational and social services, and membership organizations	67	79	49	25	36	99	103	14	34	12
78	Federal Government enterprises	10	11	6	37	10	1		8	575	295
79	State and local government enterprises	21	46	1	23	5	3	2		19	9
80	Noncomparable imports		58			114	38	847	27		
81	Scrap, used and secondhand goods				2					6	3
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	93,769	62,582	6,111	14,673	6,589	11,139	69,565	6,539	329,223	140,343
VA	Value added	4,964	80,494	5,025	22,703	6,261	11,762	51,272	10,151	259,512	138,588
T	Total industry output	98,733	143,076	11,136	37,376	12,850	22,902	120,838	16,690	588,735	278,930

* Less than \$500,000.

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Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Commodity number
13	14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	
	80,534		548	95	33				12				708		1
	40,419	3,303	4,558	71	88								53		2
	2,838				207		8,970	10				10	59	18	3
23	158	6	12	7	15	7	35	32	54	11	32	39	1,252	21	4
													164	25	5+6
1	173	22	19	13	17	3	3	11	301	22			5,050	1,637	7
									406				1,052	938	8
															9+10
118	2,139	113	233	226	334	83	348	247	1,451	198	380	693	1,298	186	11
539															12
	74,481			29				81	794				491	392	13
		2,667													14
13			8,713	3,359	16,430	5,897		2,491	137						15
	27	6	47	503	25	1,435	172	1,555	822			84			16
5			33		15,751	536	5	4	5			52	1		17
	70	3		2	2,280	547		19	2						18
43	111	2			2	42	35,599	4,684	7,993	55	16		1		19
															20+21
5	6,091	129	29	36	88	16	148	263	17,829	16,887	5,754	18,889	380	50	22+23
32	9,139	570	38	49	84	15	62	123	1,503	130	16	554	587	91	24
2	5			1			14	2	7	24	1,364	156	9		25
	929	219	2	1	23	13	14	11	186	5	4,530	13,492	16		26A
123	2,262	5	831	452	5	152	447	79	5,122	826	528	2,659	31,690	2,309	26B
23	2						186		31				1,148	2,637	27A
48	189	362	7,597	5,116	907	460	424	156	2,997	164		9	992		27B
	1,143														28
	533	81	41	98	332										29A
5							9	34	478				139	85	29B
38	1,317	57	131	81	153	51	186	469	11	144	1	5	681		30
234	9,432	292	191	196	454	427	636	243	607	324	108	230	2,130	220	31
					351	547	939	2,319	4,050	170	21	1,650	1,428	181	32
	3,677		377	15			2	60				2			33+34
18	23	7	1				283	191					117		35
207				3			624	139	63			2	131		36
279							65	2,027	44	260	1	35	381		37
	9,469						31	560	119	77		49	10		38
													624	83	39
121	526						867								40
149	1,443	50					419	657	5	19			5		41
11	10				6		1,177	3,120	392	257	26	31	827	51	42
											2				43
															44+45
28	57	14	17	5	3	9	25						50		46
51	151		64	265	204	44	76	47	69	30	5	38	866	1	47
123	270				5		98	51	338	169	27	520	6		48
126	243		87	30	30	28	116	112	40				525	12	49
							195	129	299	85	24	134		13	50
	61	9			1						28	55			51
174	115	19	2				137	3	11		2	1	59		52
							3	10	25			1	122	1	53
18	98	19	2				262								54
224							202	8	24		3	4	6	2	55
929											1	6			56
6	24	2		2	3		16	2	7	2		13	2		57
															58
1	240	1	7	4	12		417	22	21	10	46	40	15	5	59A
1,281															59B
															60
1,089	10	3					3								61
4	1														62
	29	6	3		2	1		12	24		7	21	137	123	63
								7	11		2	148	813	22	64
24	2,949	55	191	125	774	25	13	13	4			18	133	3	65A
113	7,989	214	503	393	97	27	714	192	1,255	444	192	531	1,111	284	65B
1	174	3	8	13	789	269	2,548	825	3,595	1,546	586	2,140	2,921	1,215	65C
99	1,606	130	137	3	3	91	51	11	84	8		12	397	21	65D
1	23	2	1	1	369	91	291	208	403	168	207	491	149	58	65E
61	701	79	61	62	3	1	9	3	4	4	4	5	270	44	66
					157	55	192	184	273	109	392	515			67
135	3,305	63	1,018	283	657	162	1,085						2,513	291	68A
28	1,878	17	117	117	256	78	190	398	2,487	317	267	880	2,509	714	68B
15	842	6	51	47	38	25	142	124	1,304	90	59	266	87	127	68C
490	30,364	1,021	2,180	942	3,492	1,109	7,891	4,073	6,053	2,204	1,643	5,033	7,620	1,164	68A
5	865	132	32	8	18	8	87	93	184	13	45	54	77	16	69B
119	2,986	312	228	137	492	155	638	407	745	230	424	829	877	201	70A
44	1,212	112	98	54	180	56	256	141	300	90	156	314	327	55	70B
															71A
153	1,764	172	128	94	831	329	660	547	419	183	2,053	3,208	875	100	71B
52	1,137	139	61	215	215	65	268	151	315	101	169	355	343	60	72A
16	580	49	259	89	121	12	149	42	339	68	59	149	301	60	72B
138	898	92	76	104	31	231	35	331	531	110	288	430	485	103	73A
82	1,246	418	115	192	91	324	419	249	69	69	787	502	2,884	256	73B
327	5,600	425	583	278	4,439	257	1,341	986	1,864	524	2,826	2,424	2,206	503	73C
84	11,822	3,750	113	205	815	110	388	567	698	59	1,584	1,312	812	277	73D
57	1,175	139	122	65	253	78	306	183	331	106	170	370	357	59	74
41	1,975	158	210	108	185	52	454	151	824	183	249	631	715	143	75
7	295	66	5	4	40	3	31	10	48	13	50	64	53	5	76
															77A
14	305	55	27	13	52	154	256	102	156	24	67	216	123	39	77B
3	180	63	21	22	65	29	56	67	60	19	430	286	69	4	78
3	306	17	14	30	9	9	41	28	146	7	16	45	83	10	79
8	748	26	44	15	36	2	12	44	146	18	100	271	1,279	42	80
									813					5	81
															82
															83
															84
															85
8,206	331,156	15,709	30,131	14,080	52,546	13,595	72,152	30,871	70,544	26,617	25,960	61,946	83,740	14,969	I
11,639	134,024	24,074	15,485	6,528	19,065	8,969	39,453	23,718	47,853	12,775	38,883	70,162	44,330	7,477	VA
19,845	465,180	39,784	45,616	20,588	71,611	22,564	111,605	54,589	116,397	39,393	64,842	132,108	128,069	22,446	T

Table 2.—The Use of Commodities
(Millions of dollars)

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Industry number	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing
			28	29A	29B	30	31	32	33+34	35	36	37
1	Livestock and livestock products				56							
2	Other agricultural products			207			1					
3	Forestry and fishery products		1	40		14	1	1,478			2	
4	Agricultural, forestry, and fishery services		22	45	20	6	27	61	1	14	33	45
5+6	Metallic ores mining					24	27			21	18	2,605
7	Coal mining		49	17	9	2	6	15	2	86	246	1,270
8	Crude petroleum and natural gas		374				93,956					
9+10	Nonmetallic minerals mining			1	15	5	430	16		215	3,236	262
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction		632	658	297	69	1,327	1,085	59	188	425	789
13	Ordnance and accessories											
14	Food and kindred products		81	350	593	180	143	20	925		24	
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills		12					1,239	220		181	
17	Miscellaneous textile goods and floor coverings		1	13	16			1,308	173	1		
18	Apparel		2					11	4			
19	Miscellaneous fabricated textile products			2	5			15		1	9	
20+21	Lumber and wood products			2	4		4	251		262	269	207
22+23	Furniture and fixtures											
24	Paper and allied products, except containers		786	146	143	3	110	1,222	49	48	628	32
25	Paperboard containers and boxes		232	1,005	1,916	1	147	1,756	28	789	191	20
26A	Newspapers and periodicals		2	7	1		3	10			2	2
26B	Other printing and publishing		1	491	172	8	7	34	1	2	6	96
27A	Industrial and other chemicals		20,173	1,826	4,751	3,347	2,558	6,594	340	775	1,233	1,147
27B	Agricultural fertilizers and chemicals		289									
28	Plastics and synthetic materials		1,771			2,244		25,912	10		302	
29A	Drugs			8,570								
29B	Cleaning and toilet preparations		340	57	2,772	2	493	96	29	37	120	3
30	Paints and allied products		20		16	283		76		18	75	30
31	Petroleum refining and related products		216	100	689	190	16,279	372	40	121	545	516
32	Rubber and miscellaneous plastics products		2,513	1,855	3,350	1	573	8,390	259	485	429	180
33+34	Footwear, leather, and leather products								2,347			
35	Glass and glass products		8	263	217	4	494	1,006		2,087	147	
36	Stone and clay products		9	16	6	211	306	190	4	259	6,330	1,410
37	Primary iron and steel manufacturing		1		2	6	21	708		25	537	18,115
38	Primary nonferrous metals manufacturing					1		96			88	1,798
39	Metal containers		4	87	495	531	133					3
40	Heating, plumbing, and fabricated structural metal products							61			29	7
41	Screw machine products and stampings			80	69	3		405	2	24	78	385
42	Other fabricated metal products		20	51	125	3	138	889	49		395	1,847
43	Engines and turbines							31				36
44+45	Farm, construction, and mining machinery											
46	Materials handling machinery and equipment							7				25
47	Metalworking machinery and equipment		31	4	10	1	23	273	2	105	137	822
48	Special industry machinery and equipment		19					610	29		35	
49	General industrial machinery and equipment		32	57	5		1	34			50	1,768
50	Miscellaneous machinery, except electrical		109	37	53	5	125	1,020	16	133	163	643
51	Computer and office equipment											
52	Service industry machinery		1	3	11		1	9		3	5	1
53	Electrical industrial equipment and apparatus		6	9	26		1	52		66	14	903
54	Household appliances											
55	Electric lighting and wiring equipment		4	15	22		9	82		7	28	
56	Audio, video, and communication equipment											
57	Electronic components and accessories							44				
58	Miscellaneous electrical machinery and supplies						2	27			17	6
59A	Motor vehicles (passenger cars and trucks)											
59B	Truck and bus bodies, trailers, and motor vehicles parts		1	2	3	3	16	16		8	56	18
60	Aircraft and parts											
61	Other transportation equipment											
62	Scientific and controlling instruments		5	18	8	5	29	14		11	22	127
63	Ophthalmic and photographic equipment		4	13	6	1	7	19		3	5	10
64	Miscellaneous manufacturing		1	33	8	1	5	22	6	1	43	3
65A	Railroads and related services; passenger ground transportation		447	163	274	293	400	854	14	276	629	1,499
65B	Motor freight transportation and warehousing		1,129	325	590	435	871	4,196	136	314	3,587	2,787
65C	Water transportation		51	8	27	20	293	85	20	162	132	
65D	Air transportation		179	335	175	51	103	477	43	66	155	354
65E	Pipelines, freight forwarders, and related services		16	3	8	2	4,511	7	1	7	8	
66	Communications, except radio and TV		264	337	168	46	202	419	23	70	182	190
67	Radio and TV broadcasting											
68A	Electric services (utilities)		1,083	591	233	87	1,504	2,506	57	545	1,209	3,044
68B	Gas production and distribution (utilities)		675	194	111	29	2,267	534	29	349	961	1,691
68C	Water and sanitary services		320	184	96	64	504	216	92	56	123	728
69A	Wholesale trade		3,003	5,608	2,839	925	6,931	6,293	459	1,008	2,139	9,196
69B	Retail trade		37	57	148	4	31	178	6	57	71	32
70A	Finance		430	710	389	134	1,271	1,084	52	144	354	681
70B	Insurance		135	190	122	40	239	363	25	56	165	260
71A	Owner-occupied dwellings											
71B	Real estate and royalties		224	711	427	61	1,539	1,356	51	133	401	363
72A	Hotels and lodging places		158	294	147	49	145	408	23	62	149	268
72B	Personal and repair services (except auto)		164	79	48	12	292	280	9	60	160	417
73A	Computer and data processing services, including own-account software		279	211	106	25	455	527	42	101	244	683
73B	Legal, engineering, accounting, and related services		1,563	2,305	730	180	1,036	894	22	80	267	376
73C	Other business and professional services, except medical		868	2,424	992	180	1,558	2,294	91	374	1,019	2,066
73D	Advertising		321	5,555	3,252	223	589	817	185	97	315	412
74	Eating and drinking places		165	336	152	50	235	450	30	73	182	292
75	Automotive repair and services		378	250	151	45	602	721	24	145	376	902
76	Amusements		29	87	60	13	37	60	1	4	14	35
77A	Health services											
77B	Educational and social services, and membership organizations		194	567	136	13	201	594	4	15	47	76
78	Federal Government enterprises		15	30	50	8	46	82	14	16	31	67
79	State and local government enterprises		23	18	17	1	18	37	9	5	20	43
80	Noncomparable imports		306	2,915	569	92	468	330	3	43	157	136
81	Scrap, used and secondhand goods									88		3,952
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs		40,225	40,544	27,902	10,213	143,748	81,612	6,005	10,081	29,222	65,850
VA	Value added		18,904	37,888	19,545	7,159	26,478	65,236	2,756	11,426	29,385	34,190
T	Total industry output		59,129	78,432	47,447	17,372	170,226	146,848	8,761	21,507	58,587	100,039

* Less than \$500,000.

by Industries, 1996—Continued
at producers' prices]

Primary non-ferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Commodity number
38	39	40	41	42	43	44+45	46	47	48	49	50	51	52	
														1
														2
21														3
37	3	20	9	28	12	22	4	13	13	22	20	34	12	4
2,992		36		31		13		6				3		5+6
16	1	2	2	3	1	3		1	1	2	2	1	2	7
														8
20				1				24	1					9+10
461	74	234	493	429	160	253	52	225	191	202	257	762	262	11
														12
														13
14														14
														15
														16
														17
														18
														19
243		45	24	89		110	25	117	116	49	8		88	20+21
52	5	39	77	293	8	12	5	21	243	158	12	50	156	22+23
74	40	258	262	402	9	12	1	82	23	121	67	339	131	24
1		3	1	2		2		1	2		4	15	1	25
3	58	4	4	2	2	6	1	5	3	3	5	11	1	26A
294	113	622	215	752	2	33	5	183	41	3	7		83	26B
														27A
1,254		50	114	381						19	13	27	153	27B
														28
														29A
														29B
10	376	309	109	531	31	169	19	71		19	12	42	118	30
312	31	166	86	220	31	89	39	89	67	107	78	72	58	31
773	20	665	200	1,923	299	1,938	223	322	574	995	173	1,587	1,011	32
														33+34
525		269	36	64		13		17						35
188	8	78	74	139	97	52	10	285	56	91	116	14	160	36
871	2,376	11,030	10,748	8,474	3,137	4,940	1,306	2,673	1,941	2,900	2,718	128	2,033	37
25,897	4,741	5,273	2,334	4,044	706	407	282	795	1,398	1,088	2,334	1,007	2,360	38
	1,161		3	6										39
		2,388		88	284	1,937	205	349	474	490	145	722	272	40
38	6	845	691	1,555	866	674	386	322	303	389	368	807	1,215	41
648	207	2,104	948	4,779	835	818	298	420	909	524	592	267	746	42
				57	1,509	2,531	115		133	215	42		49	43
						913								44+45
15						16	254		15	8				46
863	18	407	1,130	298	78	168	47	1,732	241	213	468	55	185	47
98			3						2,128					48
509		147	92	23	387	1,383	815	343	818	3,081	459	27	685	49
372	54	347	1,117	670	1,125	1,432	391	1,204	1,423	1,458	2,408	187	975	50
									35			16,116		51
									4	1			2,851	52
269	1	104	34	409	977	362	403	851	1,404	1,538	91	2,360	2,114	53
														54
57		2	8	4		14		10			5	117	245	55
												909		56
												31,102	2	57
												19		58
														59A
13	1	15	5	7	3	73	2	9	4	6	5	9	6	59B
														60
6		136		4				13		17		6	634	61
5	1	9	6	7	2	4	1	6	4	5	11	23	5	62
2		10	2	2		17	12	4				2	28	63
657	55	199	165	186	23	78	18	48	45	50	64	102	63	65A
2,445	259	940	656	907	381	693	141	372	292	326	302	210	341	65B
40	3	7	9	15	1	5	1	3	2	2	3	3	3	65C
294	40	196	148	235	115	183	52	142	139	160	131	612	157	65D
3	1	2	2	2	2	2	(*)	1	1	1	2	5	2	65E
150	23	185	100	240	50	133	40	149	151	171	107	477	110	66
														67
2,034	152	429	516	844	158	313	58	318	213	345	376	532	238	68A
492	60	200	166	367	47	119	26	89	63	108	109	72	77	68B
206	19	55	588	143	28	39	4	24	20	40	29	65	106	68C
7,322	1,088	4,102	2,951	4,140	1,264	3,278	1,187	1,757	2,491	2,497	1,415	13,008	2,542	69A
16	6	45	29	55	7	16	4	10	11	16	11	35	28	69B
473	88	389	353	467	147	314	71	219	197	247	246	896	272	70A
187	31	141	113	167	51	115	33	85	69	92	86	261	90	70B
														71A
390	61	583	356	574	100	162	70	315	311	215	445	1,390	158	71B
211	41	171	126	197	66	130	31	98	90	107	103	338	102	72A
165	28	55	106	115	31	56	8	33	26	53	39	61	39	72B
256	41	141	190	256	90	154	19	87	66	117	74	1,181	129	73A
203	44	257	371	417	54	303	88	251	263	245	268	1,014	197	73B
1,062	164	1,470	980	1,252	296	603	143	497	420	592	748	1,523	422	73C
147	35	321	346	609	50	350	77	239	245	355	310	1,172	298	73D
233	42	201	151	230	73	149	35	127	111	131	115	325	118	74
393	71	186	233	329	76	158	28	118	84	151	120	259	115	75
21	9	11	21	12	8	22	1	5	10	7	17	75	18	76
														77A
88	25	75	135	75	23	33	6	32	20	31	31	180	86	77B
36	1	40	32	47	12	47	9	21	35	28	14	28	6	78
28	4	21	11	31	7	10	5	13	7	13	15	17	9	79
190	3	103	51	79	29	127	38	33	105	144	69	5,459	34	80
3,235		107	38					3		11	3			81
														82
														83
														84
														85
57,927	11,688	36,266	27,736	37,770	14,042	26,268	7,136	15,323	18,157	20,329	15,868	86,124	22,418	I
24,107	1,380	28,951	18,918	35,059	9,158	21,282	4,713	20,531	15,049	19,747	22,777	12,542	15,321	VA
82,034	13,068	65,218	46,655	72,829	23,200	47,550	11,849	35,854	33,207	40,076	38,645	98,666	37,739	T

Table 2.—The Use of Commodities
(Millions of dollars)

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment
		53	54	55	56	57	58	59A	59B	60	61
1	Livestock and livestock products										
2	Other agricultural products							1	2	1	
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services	26	10	10	25	139	26	33	44	59	18
5+6	Metallic ores mining	41			36		10		318	34	
7	Coal mining	1				3		17	24	9	5
8	Crude petroleum and natural gas										
9+10	Nonmetallic minerals mining		31			1					
11	New construction, including own-account construction										
12	Maintenance and repair construction, including own-account construction	211	111	124	569	2,208	172	688	954	702	145
13	Ordnance and accessories									2	
14	Food and kindred products										
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills		2					175		81	
17	Miscellaneous textile goods and floor coverings	2			1			1,383	87	14	73
18	Apparel					2		6		5	
19	Miscellaneous fabricated textile products							5,614	20	97	145
20+21	Lumber and wood products	35	12	2	3			5	219	17	781
22+23	Furniture and fixtures		1		796	14	1	4,698	73	43	26
24	Paper and allied products, except containers	184	267	137	288	274	52	43	100	18	11
25	Paperboard containers and boxes	107	199	316	167	200	333	20	524	10	5
26A	Newspapers and periodicals	3		2	7	18	5	6	6	4	1
26B	Other printing and publishing	2	5	1	19	10	2	20	34	19	2
27A	Industrial and other chemicals	58	150	50	13	1,691	195	918	507	49	17
27B	Agricultural fertilizers and chemicals										
28	Plastics and synthetic materials	111	522	561	216	329	370	9	705	256	136
29A	Drugs										
29B	Cleaning and toilet preparations	23	17	30	23	11	4	8	6		
30	Paints and allied products	93	162	10	23			2,091	654	134	180
31	Petroleum refining and related products	210	69	72	59	128	48	218	228	135	106
32	Rubber and miscellaneous plastics products	1,074	1,799	767	1,676	1,895	1,934	12,694	3,234	1,466	853
33+34	Footwear, leather, and leather products							1	1		
35	Glass and glass products		33	574	3	946		1,873	81	14	217
36	Stone and clay products	1,111	104	185	14	92	19	250	401	206	22
37	Primary iron and steel manufacturing	1,779	1,383	878	372	644	526	346	10,478	703	2,086
38	Primary nonferrous metals manufacturing	2,081	945	1,364	1,026	3,196	1,430	60	9,540	2,227	529
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products	191			502	425	110		1,547	236	807
41	Screw machine products and stampings	749	622	729	886	1,200	298	17,424	5,408	747	281
42	Other fabricated metal products	222	369	466	494	4,035	520	3,379	1,747	1,376	640
43	Engines and turbines	383						2,849	359		1,816
44+45	Farm, construction, and mining machinery										27
46	Materials handling machinery and equipment							11	10		2
47	Metalworking machinery and equipment	91	41	70	66	258	64	236	329	929	63
48	Special industry machinery and equipment					111					
49	General industrial machinery and equipment	174	85		28		109	70	2,044	230	891
50	Miscellaneous machinery, except electrical	328	50	121	205	847	153	1,009	5,491	1,255	299
51	Computer and office equipment	11			322	1,175	137	3	4	79	
52	Service industry machinery	2	482	3	5	2		2,849	317		94
53	Electrical industrial equipment and apparatus	3,048	957	669	244	200	423	6	14	92	1,096
54	Household appliances		24								174
55	Electric lighting and wiring equipment	74	290	756	545	222	86	1,048	96		116
56	Audio, video, and communication equipment				2,996	204	42	1,584	1	629	13
57	Electronic components and accessories	879	212	187	21,982	27,583	2,796	5,768	4,410	1,385	2
58	Miscellaneous electrical machinery and supplies	15	1	1	338		761	3,221	2,146	29	109
59A	Motor vehicles (passenger cars and trucks)							321	890		951
59B	Truck and bus bodies, trailers, and motor vehicles parts	3		1	4	8	6	58,631	12,063	5	916
60	Aircraft and parts									16,612	
61	Other transportation equipment										1,257
62	Scientific and controlling instruments	98	763		429	598	142	1,758	6	6,609	168
63	Ophthalmic and photographic equipment	7	1	4	17	32	9	23	24	16	2
64	Miscellaneous manufacturing	3	16	53	1		1	15	9	11	3
65A	Railroads and related services; passenger ground transportation	101	48	44	97	279	51	601	382	106	77
65B	Motor freight transportation and warehousing	311	295	271	281	549	282	3,006	1,866	421	455
65C	Water transportation	8	4	2	2	15	2	17	17	5	2
65D	Air transportation	155	89	85	360	558	107	1,308	655	707	145
65E	Pipelines, freight forwarders, and related services	1	1	1	3	5	9	6	5	1	
66	Communications, except radio and TV	155	70	75	388	556	73	217	237	189	81
67	Radio and TV broadcasting										
68A	Electric services (utilities)	315	139	203	390	1,855	248	540	1,059	470	194
68B	Gas production and distribution (utilities)	104	50	71	66	222	58	180	270	87	69
68C	Water and sanitary services	35	9	25	35	154	75	107	380	125	44
69A	Wholesale trade	2,810	1,506	1,750	5,680	8,603	2,316	15,660	8,706	2,937	2,043
69B	Retail trade	31	39	47	45	44	26	60	62	14	13
70A	Finance	309	138	159	641	1,096	210	1,273	944	714	216
70B	Insurance	85	50	58	195	342	66	478	307	185	87
71A	Owner-occupied dwellings										
71B	Real estate and royalties	256	66	240	757	1,401	185	460	430	291	428
72A	Hotels and lodging places	102	58	68	237	399	74	542	349	242	93
72B	Personal and repair services (except auto)	44	14	19	66	304	43	163	245	134	22
73A	Computer and data processing services, including own-account software	85	27	71	390	797	69	151	391	595	89
73B	Legal, engineering, accounting, and related services	148	65	127	674	1,895	87	1,428	756	663	195
73C	Other business and professional services, except medical	586	225	326	1,184	3,119	581	1,564	1,706	1,394	418
73D	Advertising	424	492	478	537	1,636	243	860	2,388	338	201
74	Eating and drinking places	123	67	85	253	420	97	553	379	253	113
75	Automotive repair and services	123	56	77	223	693	115	15,819	569	336	80
76	Amusements	8	7	6	43	80	6	104	87	46	6
77A	Health services										
77B	Educational and social services, and membership organizations	34	38	15	118	319	45	997	413	293	32
78	Federal Government enterprises	28	41	16	94	58	15	125	187	70	12
79	State and local government enterprises	8	8	9	10	47	9	69	53	12	11
80	Noncomparable imports	285	45	282	607	434	445	647	512	140	30
81	Scrap, used and secondhand goods						93		29		
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	20,101	13,378	12,748	47,774	74,379	16,404	178,318	88,333	47,312	20,238
VA	Value added	17,439	6,262	11,033	28,519	50,383	10,124	22,313	33,378	42,456	17,754
T	Total industry output	37,539	19,641	23,782	76,293	124,761	26,528	200,631	121,710	89,767	37,991

* Less than \$500,000.

by Industries, 1996—Continued
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Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscel- laneous manu- facturing	Railroads and related services; passenger ground trans- portation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communica- tions, except radio and TV	Radio and TV broad- casting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Commodity number
62	63	64	65A	65B	65C	65D	65E	66	67	68A	68B	68C	69A	
		6												1
		37		1	3	1		1		1	1		106	2
		26			3									3
64	10	10	1	3				67	6	21			445	4
15		12												5+6
28	15	2			6					13,607			9	7
							173			10	46,189		10	8
		5											8	9+10
														11
758	171	206	3,294	1,053	43	241	562	11,384	310	13,316	8,093	2,034	3,677	12
							4							13
35		67			73	209							878	14
														15
339		511				1							113	16
665	1	35		12	14			2					73	17
20		187	28	3	63	8		131		2			502	18
1		39		11	96	6		85					287	19
105		668		51	12	3	220	36	2	11	4	245	2,891	20+21
45		39												22+23
424	731	296	28	73		37	20	266	15	70	21	10	3,011	24
540	252	814	6	144		3	101	137	6	19	6	3	4,777	25
11	11	7	16	51	36	20	20	122	9	10	1	4	399	26A
51	3	43	191	418	26	137	221	1,010	11	92	15	4	7,904	26B
171	450	452	130	136	12	9	9	18	17	345	3	542	428	27A
													575	27B
548	302	1,116			8								8	28
								6					55	29A
32	13	37		2		3		33		3	5		623	29B
43		254		67	33	4		85				2	22	30
146	41	186	3,850	9,376	623	10,334	219	293	35	2,049	266	742	4,537	31
2,655	610	1,721	321	2,445	112	31	178	693	5	181	11	215	3,596	32
		42	1	1		1		2		1			6	33+34
525	163	24	86	5	9		14	33				21	208	35
127	10	130	2	5	2	1				5		33	167	36
1,100	43	930	502			3					2		125	37
1,674	125	2,126	1	6	45			23		121		1	564	38
20										1			555	39
905	10	151			12								169	40
1,672	226	158	9		2	50		535		48			3	41
1,866	64	539	347	587	272	85	110	409	3	41	11	100	761	42
		2	250	98	330		38	418		660			27	43
				6									96	44+45
179	34	114	100	30	187	34		8	1	19			772	46
				2						97	25	4	285	47
84	5	24	431	68	424	6	156	582		76	3	3	85	48
608	120	414	156	92	139	167	63	31	8	280	8	20	1,170	49
1,438	8	16		5		4	30	507	31	13	111		553	50
3	1	4	11	11		4	5	5		1	1	9	253	51
1,552	118	213	445	300	14	20	38	552	46	247			140	52
					3								(*)	53
338	5	15	27	58		7		152		132	1	23	242	54
769		6		7									254	55
11,574	708	265	28			188	12	5,043	47				7,358	56
48	3	15	106	240	33	48	102	5,719	221				517	57
								256	11	124	27	35		58
8	5	6	506	808	1	17	37		4	14	10	1,016	1,400	59A
						3,373								59B
			1,306	16	490		3							60
3,891	166			29	4	24		39	7	124	19	744	82	61
26	936	11	12	76	7	20	36	119	28	8	7		825	62
9	1	2,953	14	37	53	37	32	116	4	28	6		618	63
139	75	2,962	446	17	154	38	290	29	5,358	53	40		860	64
531	165	526	500	39,356	88	277	244	380	56	691	55	121	3,093	65A
7	7	20	1,139	6,713	52	55	26	(*)	562	8	5		66	65B
460	81	149	269	1,843	61	7,200	259	981	89	449	345	62	4,003	65C
5	1	2	520	8,608	1,630	10,099	976	15	1	24	968	9	425	65D
608	128	159	491	2,490	43	1,236	1,207	40,791	676	354	64	492	14,655	65E
								165	1,032					66
764	133	293	103	1,258	142	278	481	1,040	205	24	160	110	5,999	67
102	57	111	1	145	9	16	5	124	6	6,131	23,880	534	1,808	68A
75	25	33	144	2,802	39	144	44	360	58	246	30	1,581	1,385	68B
5,551	1,376	4,017	2,273	6,283	472	1,833	374	3,011	109	993	632	672	23,021	68C
67	20	69	248	993	15	45	35	105	11	48	33	193	1,392	69A
887	211	315	796	1,640	952	1,636	1,059	3,038	311	2,876	836	162	8,307	69B
279	61	122	392	2,423	88	382	298	925	403	554	226	277	2,823	70A
														70B
														71A
1,044	126	484	759	4,372	895	1,538	849	4,888	931	1,573	277	68	23,336	71B
326	69	115	161	738	47	306	116	874	88	417	124	48	2,776	72A
86	18	38	53	129	34	404	96	2,273	191	105	3	80	1,944	72B
457	74	71	1,018	485	166	2,451	3,723	3,497	463	1,926	273	34	8,289	73A
1,297	60	268	499	1,146	683	1,110	2,201	9,606	517	1,808	2,285	781	9,917	73B
2,803	596	760	1,670	5,326	3,386	1,909	1,485	6,810	1,130	2,564	706	298	42,145	73C
1,772	341	1,665	270	430	1,221	1,489	1,095	4,788	1,014	149	23	1	19,831	73D
378	78	151	224	733	49	2,086	122	869	88	516	135	51	2,809	74
300	64	134	827	12,061	18	176	248	1,778	188	261	171	49	6,781	75
56	14	19	25	138	17	87	28	4,239	17,582	92	51	9	1,137	76
				79										77A
271	109	178	292	106	177	81	407	663	384	1,174	59	14	1,670	77B
116	17	99	66	289	12	80	160	945	41	496	111	36	4,710	78
33	4	17	118	350		25	13	64	11	25	7		450	79
331	242	105	247	883	3,449	8,774	349	8,447		41	77	3	5,985	80
		1		6									1	81
														82
														83
														84
														85
53,855	9,511	24,947	27,154	111,032	23,611	59,000	18,461	129,884	26,440	61,241	86,419	11,552	252,246	I
66,270	15,147	26,057	41,541	101,456	11,215	59,315	23,192	161,972	13,048	138,344	20,192	11,605	517,587	VA
120,125	24,657	51,004	68,695	212,488	34,825	118,316	41,653	291,856	39,488	199,585	106,611	23,158	769,833	T

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

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (except auto)	Computer and data processing services, including own-account software	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising
		69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D
1	Livestock and livestock products										99	
2	Other agricultural products	2	4	2		30	6		4	7	3	
3	Forestry and fishery products						4					
4	Agricultural, forestry, and fishery services	793	160	83	4,962	4,102	339	59	129	160	162	14
5+6	Metallic ores mining											
7	Coal mining	5	2			4	2	3		1	1	
8	Crude petroleum and natural gas											
9+10	Nonmetallic minerals mining	1						4				
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction	6,888	1,553	800	26,203	38,238	2,006	658	682	483	1,352	70
13	Ordinance and accessories										116	
14	Food and kindred products	173					188				28	
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills	72					8	170			8	
17	Miscellaneous textile goods and floor coverings	59	1			1	17	45		2	10	
18	Apparel	36					54	459			125	
19	Miscellaneous fabricated textile products	38	141	24		13	587	315			8	17
20+21	Lumber and wood products	180	120	76		70	19	67	50	116	160	7
22+23	Furniture and fixtures	1				2			2	2	1	
24	Paper and allied products, except containers	5,153	1,196	420		623	216	446	1,977	765	1,785	78
25	Paperboard containers and boxes	1,125	162	61		94	145	72	54	114	889	9
26A	Newspapers and periodicals	140	360	41		28	58	39	69	168	209	7
26B	Other printing and publishing	639	3,691	1,745		739	153	1,001	1,937	2,201	2,782	2,332
27A	Industrial and other chemicals	46	58	24	2	51	13	188	20	53	1,817	3
27B	Agricultural fertilizers and chemicals	31			508	198	157					
28	Plastics and synthetic materials	15						16				
29A	Drugs											
29B	Cleaning and toilet preparations	185	24	6		59	76	1,222	7	31	558	
30	Paints and allied products	36	1	48		28	1	11		3	77	
31	Petroleum refining and related products	3,269	470	138		609	203	420	195	234	1,905	17
32	Rubber and miscellaneous plastics products	2,338	151	375	70	466	287	474	409	282	1,522	33
33+34	Footwear, leather, and leather products	198	10	4		5	4	342	4	23	64	
35	Glass and glass products	24	33	15		7	283	5	8	170	395	
36	Stone and clay products	33	14			526	56	12		31	116	
37	Primary iron and steel manufacturing	15	2	1				10		4	116	
38	Primary nonferrous metals manufacturing	5		20		11		95			30	
39	Metal containers										40	
40	Heating, plumbing, and fabricated structural metal products	40			163	100		8				
41	Screw machine products and stampings	7					6	108			143	
42	Other fabricated metal products	810	325	254		233	49	286	91	217	490	13
43	Engines and turbines	222	5					5			205	
44+45	Farm, construction, and mining machinery				242						120	
46	Materials handling machinery and equipment	20									248	
47	Metalworking machinery and equipment	68	4			5	1	17	9	15	850	
48	Special industry machinery and equipment	53				4		61	5	6	777	
49	General industrial machinery and equipment	14	34	1		15		47			622	
50	Miscellaneous machinery, except electrical	356	25	1		10	12	137	47	114	718	8
51	Computer and office equipment	180	428	317		77	14	723	15,706	577	785	69
52	Service industry machinery	140	2	1		3	9	367	2	5	186	3
53	Electrical industrial equipment and apparatus	48	23	5		6	16	72	303	5	1,490	2
54	Household appliances	8				57	16	1,444			6	
55	Electric lighting and wiring equipment	296	26	21		39	17	25	2	6	251	4
56	Audio, video, and communication equipment	53	63	4		4	6	15	13	54	44	3
57	Electronic components and accessories	241	69	1		1		1,093	9,651	23	1,247	1
58	Miscellaneous electrical machinery and supplies	395	285	232		53	16	85	925	438	531	19
59A	Motor vehicles (passenger cars and trucks)											
59B	Truck and bus bodies, trailers, and motor vehicles parts	2,179	84	67		76	40	94	38	39	744	32
60	Aircraft and parts											
61	Other transportation equipment	2		8		3					458	2
62	Scientific and controlling instruments	90	2	107		83	8	88	137	52	1,219	42
63	Optical and photographic equipment	248	560	369		166	31	1,045	245	609	743	35
64	Miscellaneous manufacturing	444	560	145		141	75	1,620	168	277	884	29
65A	Railroads and related services; passenger ground transportation	632	491	405	8	536	77	102	221	230	2,176	59
65B	Motor freight transportation and warehousing	1,950	4,616	1,035	23	672	338	607	411	833		
65C	Water transportation	27	4	2	5	2	3	2		27		
65D	Air transportation	2,093	1,656	1,182	1	1,487	334	330	905	1,091	2,433	88
65E	Pipelines, freight forwarders, and related services	57	22	16		24	1,037	8	10	12	46	1
66	Communications, except radio and TV	7,165	8,313	5,321		4,817	905	1,469	5,262	4,027	6,753	423
67	Radio and TV broadcasting											257
68A	Electric services (utilities)	13,534	2,082	395		6,581	2,704	1,292	716	1,232	1,639	133
68B	Gas production and distribution (utilities)	1,081	568	50		1,137	454	458	58	152	406	9
68C	Water and sanitary services	2,124	1,247	151		4,399	998	576	90	154	405	4
69A	Wholesale trade	3,462	2,038	786	222	983	544	2,518	5,548	1,529	5,187	374
69B	Retail trade	2,550	145	127	228	300	118		57	69	991	23
70A	Finance	12,319	109,725	20,139	10,553	6,036	3,915	1,061	2,104	3,735	4,504	217
70B	Insurance	2,804	2,170	84,453	3,796	1,396	213	341	314	593	1,387	74
71A	Owner-occupied dwellings											
71B	Real estate and royalties	45,429	16,824	9,563	18,753	41,782	4,278	6,151	18,142	15,625	11,556	185
72A	Hotels and lodging places	2,088	1,438	1,210		1,572	308	266	607	1,374	2,091	83
72B	Personal and repair services (except auto)	2,188	510	215		1,337	535	4,931	449	256	917	39
73A	Computer and data processing services, including own-account software	4,484	12,353	1,937		616	402	548	21,171	5,087	5,839	171
73B	Legal, engineering, accounting, and related services	28,450	15,940	8,888	2,651	11,091	664	4,119	3,483	23,846	9,142	1,657
73C	Other business and professional services, except medical	28,336	23,777	12,736	2,164	19,090	6,817	3,436	10,002	29,904	28,695	2,936
73D	Advertising	33,919	9,940	3,212		6,111	1,310	2,724	2,145	1,043	3,936	224
74	Eating and drinking places	2,678	1,417	1,213		1,557	419	312	691	795	2,365	83
75	Automotive repair and services	4,214	1,397	4,939		5,269	477	618	1,527	1,366	3,177	426
76	Amusements	699	386	250		306	55	68	143	183	933	873
77A	Health services										3	
77B	Educational and social services, and membership organizations	678	1,216	425		622	151	411	3,026	1,360	1,695	90
78	Federal Government enterprises	3,770	15,930	2,061		1,821	329	593	1,369	2,655	2,779	194
79	State and local government enterprises	461	181	33		555	130	84	31	86	127	8
80	Noncomparable imports	123	5,950	1,145			128	34	848	736	1,971	62
81	Scrap, used and secondhand goods	1		1		1		1			1	
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
1	Total intermediate inputs	211,501	250,982	167,302	70,547	167,029	32,641	46,632	112,219	105,259	128,567	11,540
VA	Value added	472,213	350,774	135,940	491,000	514,667	40,573	68,252	139,549	212,555	359,642	27,526
T	Total industry output	683,714	601,756	303,241	561,548	681,696	73,214	114,884	251,768	317,815	488,209	39,066

* Less than \$500,000.

by Industries, 1996—Continued
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Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment	Total intermediate use	Commodity number
74	75	76	77A	77B	78	79	82	84	85		
437		70	80	135						93,913	1
2,284	3	260	248	160	23					93,416	2
2,438		11	46		21					16,650	3
246	84	329	1,212	488	6	409				38,303	4
										9,048	5+6
5	2	1	6	3	644	996				20,285	7
						817				174,136	8
				3		67				14,097	9+10
										236	11
2,578	790	1,500	3,971	10,737	1,962	20,751				197,071	12
		30								690	13
66,958		967	4,913	3,227	601					178,591	14
										2,667	15
		111	42	42	13	10				40,823	16
47	72	14	68	12	15	12				11,869	17
9	53	151	702	113	2	39				19,080	18
201	193	64	832	110	221	2				13,058	19
52	20	129	217	417						105,786	20+21
	330	1	3	1	582					8,630	22+23
1,000	243	291	2,583	1,430	168	51				99,029	24
1,072	126	132	960	384	207					37,680	25
31	53	90	449	1,094	9					5,314	26A
883	122	369	3,165	11,691	828	180				65,396	26B
300	298	198	9,982	243	132	1,320				118,689	27A
		210	49	62		198				20,084	27B
			205							57,104	28
		10	12,492	68						22,679	29A
58	137	43	737	214	64	3				10,533	29B
5	446	56	3	67						15,700	30
760	2,576	452	1,178	1,156	1,358	4,007				98,762	31
2,453	4,204	226	8,173	943	26	123				132,294	32
2	1	87	26	108	31					4,328	33+34
468	1,040	8	1,260	352	6	50				20,512	35
419	39	3	440	13		589				58,800	36
		1	3	29						108,287	37
9	8	23	15	3	59					89,416	38
										13,215	39
		8		3		2				57,650	40
71	2,140	31	402	93	48	3				46,025	41
116	2,450	142	540	385	14	29				67,639	42
3	1,261		2	7	108	111				14,149	43
		4				147				6,230	44+45
						9				3,960	46
1	48	12	16	20	7	16				12,808	47
273	47		5	3						7,209	48
342	35		11		25	16				23,677	49
39	407	43	170	127	158	1,055				34,863	50
21	14	48	1,574	91	6					41,314	51
51	1,263	100	132	55	24					20,838	52
6	552	4	131	30		627				31,181	53
14			28	24		12				3,822	54
118	687	143	741	307	37	106				22,093	55
20	11	15	87	75		20				16,525	56
	336	1	312	219		42				136,813	57
41	982	800	289	229	30	173				17,541	58
	98									2,259	59A
425	24,195	125	415	337	1,373	318				108,729	59B
	3									21,268	60
		94		12	22	136				4,084	61
11	166	17	10,937	287	2	13				33,142	62
22	56	81	1,449	527	22	12				10,279	63
535	50	389	50	1,007	32	30				14,804	64
585	368	152	954	331	765	649				39,070	65A
2,612	1,117	396	2,144	1,153	1,694	802				143,460	65B
18	20	5	39	1,796	1,796	519				13,414	65C
1,088	861	549	2,956	1,035	1,661	531				51,919	65D
18	334	11	35	28	16	47				28,037	65E
1,272	1,868	1,453	7,284	3,004	338	484				137,388	66
										1,454	67
6,331	1,581	2,733	7,961	2,669	446	3,882				110,504	68A
1,128	436	225	1,611	677	287	3,787				69,485	68B
1,896	555	416	2,120	895	580	1,282				34,481	68C
15,136	7,934	2,748	11,881	4,828	1,120	1,464				387,051	69A
466	1,404	175	524	431	21	23				52,121	69B
3,111	3,147	1,486	4,639	5,211	796	1,646				248,812	70A
631	977	429	3,710	971	274	230				129,325	70B
											71A
15,340	9,617	10,355	44,623	29,673	1,237	2,324				413,285	71B
886	628	478	2,802	903	31	42				33,466	72A
850	2,119	476	1,691	645	22	119				29,041	72B
926	818	717	5,700	3,511	155	261				100,383	73A
2,642	1,447	3,824	11,246	4,316	282	3,494				223,757	73B
7,932	4,246	6,381	37,723	20,912	2,325	1,894				408,128	73C
6,707	3,069	6,171	7,132	7,132	8	272				172,547	73D
4,919	648	545	4,538	1,816	103	115				43,838	74
1,629	2,772	1,162	5,348	1,906	364	469				95,999	75
3,541	134	28,732	389	1,331		2				63,645	76
		46	12,679							14,803	77A
517	143	280	2,269	1,698	38	107				27,397	77B
517	655	648	6,281	2,673	110	295				53,542	78
240	250	55	266	137	42	1,139				6,448	79
181	208	307	36	26	1,253					60,727	80
1	635	-208								8,882	81
											82
											83
											84
											85
165,919	93,628	78,818	258,151	135,088	24,657	58,478				5,976,283	I
170,286	95,754	94,863	428,678	157,702	53,625	55,615	886,742	12,284	690		VA
336,205	189,382	173,480	684,829	292,790	78,281	114,093	886,742	12,284	690		T

Table 2.—The Use of Commodities
(Millions of dollars)

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry Industry number	Personal consumption expenditures	Gross private fixed investment	Change in private inventories	Exports of goods and services	Imports of goods and services
		91	92	93	94	95
1	Livestock and livestock products	4,748	.....	-1,271	795	-2,420
2	Other agricultural products	23,718	.....	6,526	23,654	-10,871
3	Forestry and fishery products	3,996	.....	9	2,588	-7,423
4	Agricultural, forestry, and fishery services	900	.....	29	-11	.....
5+6	Metallic ores mining .....	.....	953	-80	1,129	2,087
7	Coal mining	54	.....	261	2,534	-286
8	Crude petroleum and natural gas .....	.....	65	343	3,734	-65,560
9+10	Nonmetallic minerals mining	44	.....	500	727	-1,036
11	New construction, including own-account construction .....	.....	451,315	.....	.....	.....
12	Maintenance and repair construction, including own-account construction .....	.....	29,811	.....	97	.....
13	Ordinance and accessories	1,330	22	216	3,343	-947
14	Food and kindred products	273,979	.....	2,110	25,639	-26,326
15	Tobacco products	31,677	.....	258	6,235	-1,023
16	Broad and narrow fabrics, yarn and thread mills	1,731	.....	-654	2,958	-4,386
17	Miscellaneous textile goods and floor coverings	6,527	2,715	99	2,048	-2,128
18	Apparel	92,502	.....	244	6,987	-49,791
19	Miscellaneous fabricated textile products	13,895	.....	103	917	-3,789
20+21	Lumber and wood products	2,875	8,955	443	6,336	-12,814
22+23	Furniture and fixtures	27,911	20,784	252	3,215	-9,718
24	Paper and allied products, except containers	17,126	.....	-564	11,314	-14,824
25	Paperboard containers and boxes	471	.....	40	1,159	-498
26A	Newspapers and periodicals	15,959	.....	-46	628	-232
26B	Other printing and publishing	19,806	.....	392	3,290	-2,579
27A	Industrial and other chemicals	2,390	1,779	1,064	22,863	-20,573
27B	Agricultural fertilizers and chemicals	895	.....	-87	4,459	-3,485
28	Plastics and synthetic materials .....	.....	.....	115	12,271	-6,433
29A	Drugs	58,851	.....	1,613	9,885	-20,317
29B	Cleaning and toilet preparations	35,198	.....	361	3,826	-2,779
30	Paints and allied products	613	.....	175	1,009	-386
31	Petroleum refining and related products	59,995	.....	1,856	9,926	-14,104
32	Rubber and miscellaneous plastics products	18,764	299	969	10,225	-18,452
33+34	Footwear, leather, and leather products	19,382	.....	262	1,687	-16,928
35	Glass and glass products	1,437	.....	187	2,174	-3,333
36	Stone and clay products	3,206	.....	374	2,171	-6,618
37	Primary iron and steel manufacturing	42	25	1,276	4,338	-17,231
38	Primary nonferrous metals manufacturing	82	67	451	9,085	-16,476
39	Metal containers .....	.....	52	-10	303	-289
40	Heating, plumbing, and fabricated structural metal products	312	4,959	545	2,713	-1,947
41	Screw machine products and stampings	1,648	.....	204	1,353	-2,765
42	Other fabricated metal products	5,415	3,462	1,080	7,643	-12,447
43	Engines and turbines	182	3,790	108	8,309	-3,542
44+45	Farm, construction, and mining machinery	240	32,594	634	12,391	-8,386
46	Materials handling machinery and equipment .....	.....	9,071	12	1,869	-2,570
47	Metalworking machinery and equipment	1,032	27,539	163	5,271	-9,959
48	Special industry machinery and equipment	257	25,835	-167	8,473	-8,704
49	General industrial machinery and equipment .....	.....	15,967	396	10,701	-12,231
50	Miscellaneous machinery, except electrical	135	728	381	3,272	-2,359
51	Computer and office equipment	10,523	58,280	-1,255	37,079	-60,672
52	Service industry machinery	1,434	10,558	362	4,712	-3,218
53	Electrical industrial equipment and apparatus	264	8,523	101	5,524	-8,577
54	Household appliances	15,378	3,699	12	2,940	-5,731
55	Electric lighting and wiring equipment	2,220	360	104	4,125	-6,807
56	Audio, video, and communication equipment	26,784	40,882	277	16,432	-33,584
57	Electronic components and accessories	189	.....	-139	32,351	-41,187
58	Miscellaneous electrical machinery and supplies	7,289	1,868	339	8,287	-11,099
59A	Motor vehicles (passenger cars and trucks)	117,402	127,634	299	24,583	-81,012
59B	Truck and bus bodies, trailers, and motor vehicles parts	5,723	9,527	776	24,590	-30,924
60	Aircraft and parts	385	11,072	2,410	36,153	-11,712
61	Other transportation equipment	15,822	9,167	320	3,598	-4,718
62	Scientific and controlling instruments	6,300	50,555	49	25,148	-19,456
63	Ophthalmic and photographic equipment	7,178	7,635	54	4,187	-10,575
64	Miscellaneous manufacturing	45,066	7,180	955	5,370	-28,638
65A	Railroads and related services; passenger ground transportation	24,222	1,293	-30	5,457	-189
65B	Motor freight transportation and warehousing	31,618	5,834	353	13,195	-1,868
65C	Water transportation	6,167	6	11	10,475	4,425
65D	Air transportation	46,198	2,320	51	28,942	-12,723
65E	Pipelines, freight forwarders, and related services	4,318	.....	27	3,084	.....
66	Communications, except radio and TV	123,489	6,259	.....	4,235	.....
67	Radio and TV broadcasting	3,033	.....	.....	301	-990
68A	Electric services (utilities)	93,292	.....	.....	403	.....
68B	Gas production and distribution (utilities)	35,458	.....	9	64	.....
68C	Water and sanitary services	26,364	.....	.....	.....	.....
69A	Wholesale trade	199,023	73,967	2,013	66,757	19,221
69B	Retail trade	610,413	24,807	.....	29	.....
70A	Finance	264,306	.....	.....	26,922	-526
70B	Insurance	172,314	.....	.....	3,384	-3,662
71A	Owner-occupied dwellings	561,548	.....	.....	.....	.....
71B	Real estate and royalties	188,505	39,368	.....	33,580	-11
72A	Hotels and lodging places	37,412	.....	.....	68	.....
72B	Personal and repair services (except auto)	82,345	.....	.....	32	.....
73A	Computer and data processing services, including own-account software	6,867	98,142	91	3,904	-449
73B	Legal, engineering, accounting, and related services	52,827	19,539	.....	7,691	-1,608
73C	Other business and professional services, except medical	27,317	.....	.....	5,847	-2,124
73D	Advertising	947	.....	.....	826	-1,246
74	Eating and drinking places	295,680	.....	.....	417	.....
75	Automotive repair and services	133,963	.....	2	898	-2
76	Amusements	108,225	.....	.....	5,951	-402
77A	Health services	760,000	.....	.....	21	-8
77B	Educational and social services, and membership organizations	289,476	.....	.....	524	-426
73	Federal Government enterprises	8,328	.....	.....	274	.....
79	State and local government enterprises	31,863	.....	.....	.....	.....
80	Noncomparable imports	40,195	.....	.....	.....	-111,687
81	Scrap, used and secondhand goods	34,186	-46,563	972	6,171	-4,608
82	General government industry .....	.....	.....	.....	.....	.....
83	Rest of the world adjustment to final uses	-83,923	.....	.....	84,673	-47
84	Household industry	12,284	.....	.....	.....	.....
85	Inventory valuation adjustment .....	.....	.....	690	.....	.....
I	Total intermediate inputs .....	.....	.....	.....	.....	.....
VA	Value added .....	.....	.....	.....	.....	.....
T	Total industry output	5,237,500	1,212,697	29,994	814,769	-403,728

* Less than \$500,000.

by Industries, 1996—Continued
at producers' prices]

Federal Government consumption expenditures and gross investment					State and local government consumption expenditures and gross investment			GDP	Total commodity output	Commodity number
Total	National defense: Consumption expenditures	National defense: Gross investment	Nondefense: Consumption expenditures	Nondefense: Gross investment	Total	Consumption expenditures	Gross investment			
	96C	96I	97C	97I		98C+99C	98I+99I			
1	1				298	298		2,152	96,065	1
-203					1,216	1,216		44,039	137,455	2
-571	-2		-203		-713	-713		-2,115	14,536	3
36	23		13		2,382	2,382		3,336	39,638	4
-298	-299		1					3,791	12,839	5+6
29	1		28		52	52		2,643	22,908	7
-418			-418					-61,837	112,299	8
-2	-6		4		70	70		303	14,400	9+10
18,030		6,700		11,330	119,154		119,154	588,499	588,735	11
11,940	8,331		3,609		40,011	40,011		81,859	278,930	12
13,501	5,668	5,343	518	1,973	147	147		17,612	18,302	13
78	140		-62		10,878	10,878		286,357	464,948	14
					-31	-31		37,115	39,782	15
55	44		11		287	287		-10	40,813	16
33	2		24	7	86	63	23	9,380	21,050	17
441	440		1		1,692	1,692		52,075	71,155	18
195	141		55		589	589		11,910	24,968	19
27	12		14	1	206	206		6,028	111,795	20+21
116		17		99	3,337	5	3,333	45,897	54,527	22+23
621	71		551		4,196	4,196		17,889	116,899	24
103	53		50		279	279		1,554	39,233	25
100	5		95		761	761		17,170	22,485	26A
1,025	251		774		7,917	7,917		29,851	95,247	26B
3,405	1,851		1,554		4,817	4,817		15,744	134,434	27A
21	4		17		669	669		2,472	22,556	27B
12	6		6	2	2	2		5,968	63,071	28
788	611		178		6,391	6,391		55,210	77,890	29A
118	61		57		974	974		37,699	48,232	29B
6			6		510	510		1,926	17,627	30
3,059	2,715		345		14,088	14,088		74,819	173,581	31
652	461		148	43	2,690	2,690		15,146	147,440	32
39	35		4		237	237		4,679	9,007	33+34
130	7		123		502	502		1,097	21,609	35
79	15		63		216	216		-572	58,228	36
252	243		9		263	263		-11,036	97,252	37
349	164	65	96	24	100	100		-6,343	83,073	38
19	19				9	9		83	13,298	39
768	263	142	232	131	18	18		7,367	65,017	40
226	156		70		152	152		817	46,842	41
672	265	252	133	23	1,970	1,246	724	7,793	75,433	42
462	112	101	2	247	432	301	131	9,740	23,890	43
494	12	455	10	18	2,159	108	2,051	40,126	46,356	44+45
56		49	3	4	17		17	8,454	12,414	46
84	8	35	40	1	466	208	258	24,595	37,404	47
328	2	39	278	10	282	111	171	26,305	33,514	48
354	154	163	11	26	655	200	455	15,842	39,519	49
635	235	289	29	82	445	250	196	3,237	38,101	50
3,600	251	1,061	876	1,412	4,848	1,026	3,823	52,403	93,717	51
144	78	11	53	1	1,742	930	812	15,733	36,571	52
814	349	140	219	107	734	109	625	7,382	38,562	53
43	22	17	1	3	261	31	230	16,602	20,425	54
431	313		117		899	845	53	1,331	23,424	55
9,294	3,614	3,034	154	2,492	1,410	98	1,312	61,474	77,999	56
1,122	823		298		292	292		-7,374	129,439	57
1,373	342		191	68	426	256	171	8,464	26,005	58
1,155	4		15	447	7,957		7,957	198,018	200,277	59A
435	152		55	113	2,347	2,333	14	12,474	121,203	59B
30,974	20,228	9,223	950	572	80		80	69,362	90,630	60
8,089	1,555	6,412	76	45	1,182	56	1,127	33,459	37,543	61
17,170	5,140	8,762	1,809	1,459	5,925	3,192	2,733	85,690	118,833	62
1,438	908	467	57	6	3,587	2,336	1,251	13,504	23,783	63
48	15	61	-32	5	2,725	2,049	676	32,707	47,510	64
716	436	13	263	5	5,743	5,655	89	37,213	76,283	65A
4,032	3,107	165	725	35	3,266	2,830	436	56,429	199,889	65B
1,786	1,682	104			535	535		23,405	36,820	65C
3,173	2,100	158			4,464	4,357	108	72,425	124,344	65D
14	31		-16		280	280		7,723	35,761	65E
4,861	1,969		2,892		11,297	11,297		150,141	287,528	66
								3,033	4,487	67
2,433	1,646		787		20,525	20,525		115,561	226,065	68A
533	295		238		4,788	4,788		41,192	110,677	68B
953	528		425		395	395		27,776	82,256	68C
4,962	1,798	1,872	617	676	16,838	12,252	4,586	382,782	769,833	69A
2			2					635,250	687,371	69B
1,358			1,358		14,345	14,345		306,405	555,217	70A
2,228	23		2,206		706	706		174,970	304,295	70B
								561,548	561,548	71A
5,440	637		4,804		13,794	13,794		280,675	693,960	71B
726	618		108		654	654		38,859	72,325	72A
91	79		13		3,689	3,689		86,158	115,200	72B
27,632	6,594	8,001	2,605	10,432	17,512	8,409	9,102	153,696	254,081	73A
5,087	4,683		404		5,402	5,402		88,937	312,734	73B
17,632	12,084		5,549		20,967	20,967		69,639	478,767	73C
83	75		8		2,053	2,053		2,663	175,210	73D
1,359	323		1,037		-3,924	-3,924		293,532	337,370	74
350	282		68		5,250	5,250		140,461	236,460	75
992	976		17		-2,906	-2,906		111,880	175,505	76
1,641	16		1,625		-92,247	-92,247		669,407	684,210	77A
7,983	307		7,677		-33,107	-33,107		264,451	291,848	77B
1,338	1,446		-108		3,618	3,618		13,558	67,101	78
201	140		61		919	919		32,983	39,431	79
10,765	8,224		2,541					-60,727		80
552	654	32	121	-254	2,886	724	2,142	-6,425	2,457	81
289,390	195,535		93,855		597,352	597,352		886,742	886,742	82
-704			-704							83
								12,284	12,284	84
								690	690	85
										VA
531,581	302,352	54,650	142,887	31,692	890,363	726,525	163,838	7,813,175	13,789,458	T

Table 3.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Industry number											
		1	2	3	4	5+6	7	8	9+10	11	12	13	14
1	Livestock and livestock products .....	.10938	.00008	.01220	.02341								.17312
2	Other agricultural products .....	.31141	.02901		.11036			.00001		.00213	.00216		.08689
3	Forestry and fishery products .....			.03309	.00186								.00810
4	Agricultural, forestry, and fishery services .....	.04880	.06824	.24969	.00546	.00195	.00091	.00003	.00052	.00321	.00364	.00115	.00034
5+6	Metallic ores mining .....					.11938							
7	Coal mining .....					.00098	.10021		.00282			.00006	.00037
8	Crude petroleum and natural gas .....							.21450					
9+10	Nonmetallic minerals mining .....	.00008	.00241		.00007	.00063	.00032		.03270	.00669	.00895		
11	New construction, including own-account construction .....									.00040			
12	Maintenance and repair construction, including own-account construction .....	.01108	.01003	.02780	.00891	.02250	.00352	.02504	.00747	.00060	.00063	.00594	.00460
13	Ordnance and accessories .....											.02718	
14	Food and kindred products .....	.21347		.04672	.00241								.16011
15	Tobacco products												
16	Broad and narrow fabrics, yarn and thread mills .....		.00176				.00374					.00063	
17	Miscellaneous textile goods and floor coverings .....	.00188	.00201	.00460	.00246					.00216	.00204		.00006
18	Apparel .....						.00013	.00001				.00025	
19	Miscellaneous fabricated textile products .....		.00160	.00073	.00189					.00067	.00081		.00015
20+21	Lumber and wood products .....	.00054	.00323			.00447	.00308	.00001		.04849	.06832	.00217	.00024
22+23	Furniture and fixtures .....									.00264	.00002		
24	Paper and allied products, except containers .....	.00220	.00221	.00122	.00024	.00039	.00018	.00001	.00065	.00386	.00256	.00024	.01309
25	Paperboard containers and boxes .....	.00008	.00851	.00178	.00436	.00036	.00026	.00002	.00016	.00057	.00057	.00163	.01965
26A	Newspapers and periodicals .....	.00010	.00007		.00018		.00005	.00002	.00113			.00010	.00001
26B	Other printing and publishing .....	.00006	.00006	.00118	.00015		.00002	(*)	.00004	.00024	.00025		.0020
27A	Industrial and other chemicals .....	.00096	.00051	.00031	.00017	.04986	.01392	.00968	.01960	.00278	.00258	.00620	.00486
27B	Agricultural fertilizers and chemicals .....	.00283	.07262	.00346	.08210	.00012	.00007			(*)		.00115	(*)
28	Plastics and synthetic materials .....											.00241	.00041
29A	Drugs .....	.00336			.00003								.00246
29B	Cleaning and toilet preparations .....	.00073		.00099				.00004		.00028	.00041		.00114
30	Paints and allied products .....				.00021			.00001		.00812	.00875	.00026	
31	Petroleum refining and related products .....	.00910	.02304	.02278	.00592	.02167	.02661	.00504	.03302	.01149	.01982	.00192	.00283
32	Rubber and miscellaneous plastics products .....	.00510	.00548	.00075	.00114	.00654	.01344	.00014	.00982	.01856	.02157	.01177	.00208
33+34	Footwear, leather, and leather products .....	.00052						(*)					
35	Glass and glass products .....	.00007			.00033			.00002	.00034	.00258	.00062		.00790
36	Stone and clay products .....		.00105		.00016	.00324	.00659	.00205		.05632	.03125	.00090	.00005
37	Primary iron and steel manufacturing .....	.00048	.00050			.02675	.00366	.0120	.01232	.00755	.00681	.01042	
38	Primary nonferrous metals manufacturing .....				.00008		.00065			.00721	.00724	.01405	
39	Metal containers .....			.00016									.00236
40	Heating, plumbing, and fabricated structural metal products .....	.00018	.00016			.00852	.00340	.00040	.00461	.05309	.04423		
41	Screw machine products and stampings .....	.00036				.00132	.00611		.00073	.00060	.00039	.00609	.00113
42	Other fabricated metal products .....	.00301	.00354	.00103	.00192	.00019	.00310	.00429	.00073	.01964	.01635	.00752	.00310
43	Engines and turbines .....			.00124		.00312	.00505	.00020	.00331			.00053	.00002
44+45	Farm, construction, and mining machinery .....	.00139	.00265	.00211	.00087	.02529	.05043	.00236	.03091	.00224	.00183		
46	Materials handling machinery and equipment .....					.00545	.00650	.00041	.01313	.00338	.00007		
47	Metalworking machinery and equipment .....	.00041	.00040		.00003	.00098	.00024	.00016	.00025	.00075	.00049	.00141	.00012
48	Special industry machinery and equipment .....				.00004				(*)	.00001	.00259	.00032	
49	General industrial machinery and equipment .....	.00036	.00058	.00009	.00006	.00358	.01076	.00090	.00717	.00707	.00272	.00621	.00058
50	Miscellaneous machinery, except electrical .....	.00062	.00116	.00011	.00048	.00242	.00631	.00171	.00122	.00055	.00002	.00633	.00052
51	Computer and office equipment												
52	Service industry machinery .....			.00020	.00008		.00018	.00003	.00016	.01253	.01211		.00013
53	Electrical industrial equipment and apparatus .....	.00011	.00018	.00022		.00202	.00291	.00071	.00407	.00596	.00420	.00875	.00025
54	Household appliances .....									.00190	.00227		
55	Electric lighting and wiring equipment .....	.00040	.00030	.00013	.00072		.00075	.00198	.00008	.01635	.01444	.00089	.00021
56	Audio, video, and communication equipment .....									.00410	.00316	.01130	
57	Electronic components and accessories .....											.04681	
58	Miscellaneous electrical machinery and supplies .....	.00247	.00466	.00056	.00109	.00030	.00038	.00009	.00102	.00248	.00178	.00030	.00005
59A	Motor vehicles (passenger cars and trucks)												
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00069	.00114	.00305	.00145	.00144	.00166	.00037	.00377	.00115	.00126	.00005	.00052
60	Aircraft and parts .....											.06453	
61	Other transportation equipment .....					.00010				.00031	.00032		.00002
62	Scientific and controlling instruments .....			.00146	.00053	.00018	.00008	.00001		.00331	.00260	.05489	.00002
63	Ophthalmic and photographic equipment .....				.00026		.00017	.00011		.00013	.00011	.00019	.00002
64	Miscellaneous manufacturing .....	.00037	.00041		.00009	.00012	.00013	.00002	.00028	.00329	.00304		.00006
65A	Railroads and related services; passenger ground transportation .....	.01413	.00242	.00156	.00188	.00588	.03479	.00139	.00488	.00169	.0020	.00122	.00834
65B	Motor freight transportation and warehousing .....	.02516	.00986	.00278	.00890	.01476	.01552	.00240	.01944	.01548	.01570	.00568	.00179
65C	Water transportation .....	.00040	.00045	.02460	.00023	.00066	.00211	.00020	.00053	.00030	.00036	.00003	.00037
65D	Air transportation .....	.00037	.00086	.00329	.01337	.00290	.00394	.00204	.00309	.00145	.00136	.0050	.00345
65E	Pipelines, freight forwarders, and related services .....	.00117	.00021	.00007	.00006	.00023	.00024	.00007	.00037	.00003	.00003	.00008	.00005
66	Communications, except radio and TV .....	.00269	.00208	.00110	.00444	.00247	.00165	.00178	.00298	.00405	.00430	.00307	.00151
67	Radio and TV broadcasting												
68A	Electric services (utilities) .....	.01762	.00603	.00067	.00161	.06139	.02307	.01190	.04131	.00128	.00129	.00678	.00710
68B	Gas production and distribution (utilities) .....		.00262	.00022	.00006	.00735	.00153	.04520	.01856	.00023		.00140	.00404
68C	Water and sanitary services .....	.00139	.00508	.00174			.00015	.00076	.00064	.00111	.00121	.00073	.00138
69A	Wholesale trade .....	.06424	.04788	.01905	.03096	.03156	.04108	.00903	.04268	.04141	.04065	.02469	.06527
69B	Retail trade		(*)	.00239	.00028	.00185	.00166	.00194	.00405	.04069	.04741	.00023	.00186
70A	Finance .....	.00503	.00395	.00744	.00601	.00697	.00810	.00484	.00868	.0060	.00513	.00601	.00642
70B	Insurance .....	.00446	.00747	.00487	.00329	.00394	.00323	.00174	.00413	.00677	.00385	.00219	.00260
71A	Owner-occupied dwellings												
71B	Real estate and royalties .....	.00500	.08858	.00111	.00781	.00795	.02869	.17574	.01251	.00514	.00484	.00770	.00379
72A	Hotels and lodging places .....	.00028	.00028	.00249	.00155	.00258	.00341	.00208	.00256	.00080	.00080	.00262	.00244
72B	Personal and repair services (except auto) .....	.00033	.00063	.00058	.00197	.00044	.00038	.00010	.00016	.00046	.00057	.00079	.00120
73A	Computer and data processing services, including own-account software .....	.00005	.00003	.00051	.00008	.00092	.00049	.00062	.00206	.00082	.00095	.00096	.00193
73B	Legal, engineering, accounting, and related services .....	.00075	.00066	.02502	.01399	.01388	.01752	.01489	.00985	.06793	.03145	.00413	.00268
73C	Other business and professional services, except medical .....	.00576	.01052	.01731	.01218	.01427	.01082	.00414	.01040	.03052	.03206	.01650	.01204
73D	Advertising .....	.00013	.00018	.00056	.00370	.00044	.00061	.00108	.00288	.00067	.00068	.00422	.02541
74	Eating and drinking places .....	.00008	.00010	.00252	.00159	.00301	.00338	.00206	.00301	.00082	.00081	.00286	.00253
75	Automotive repair and services .....	.00127	.00257	.00596	.00939	.00255	.00178	.00103	.00198	.00499	.00616	.00208	.00425
76	Amusements .....			.00020	.00741	.00009	.00058	.00038	.00009	.00014	.00017	.00033	.00063
77A	Health services .....	.02023											
77B	Educational and social services, and membership organizations .....	.00068	.00055	.00444	.00066	.00276	.00432	.00085	.00081	.00006	.00004	.00069	.00066
78	Federal Government enterprises .....	.00010	.00008	.00052	.00098	.00078	.00004		.00047	.00098	.00106	.00015	.00039
79	State and local government enterprises .....	.00021	.00032	.00008	.00061	.00036	.00014	.00002		.00003	.00003	.00015	.00066
80	Noncomparable imports .....		.00040				.00889	.00167	.00701	.00162		.00040	.00161
81	Scrap, used and secondhand goods .....				.00006								
82	General government industry												
83	Rest of the world adjustment to final uses												
84	Household industry												
85	Inventory valuation adjustment												
VA	Total intermediate inputs .....	.94972	.43740	.54875	.39259	.51277	.48840	.57569	.39178	.55920	.50315	.41350	.71189
T	Value added .....	.05028	.56260	.45125	.60741	.48723	.51360	.42431	.60823	.44080	.49685	.58650	.28811
T	Total ¹	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

*Less than .000005.

1. Detail may not add to 1 because of rounding.

Direct Requirements, 1996
of industry output, at producers' prices

Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	News-papers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Commodity number
15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
															.00118		1
	.01202	.00459	.00046														2
.08303	.09993	.00342	.00122				.00010				.00553			.00264			3
			.00289		.08038	.00018				.00007	.00041	.00082	.00002	.00051		.00081	4
.00014	.00026	.00035	.00021	.00032	.00032	.00058	.00046	.00027	.00050	.00029	.00046	.00042	.00038	.00058	.00042	.00033	5+6
											.00977	.00093				.00135	7
.00056	.00043	.00062	.00023	.00012	.00003	.00020	.00254	.00055			.00128	.00112	.00083	.00022	.00019	.00010	8
											.03943	.07292	.00633				9+10
							.00343				.00822	.04180		.00001	.00032	.00026	11
.00285	.00511	.01096	.00467	.00369	.00312	.00452	.01225	.00503	.00587	.00525	.01013	.00826	.01069	.00839	.00626	.00397	12
		.00142				.00149	.00671					.00383	.01747	.00136	.00446	.01250	13
.06704																.01038	14
	.19101	.16315	.22944	.26135		.04563	.00116			.00063			.00021				15
.00015	.00104	.02441	.00034	.06361	.00154	.02849	.00835		.00009	.00040	.00001		.00002	.00016	.00034		16
	.00072		.21995	.02373	.00004	.00007	.00004						.00004				17
.00007		.00011	.03184	.02422	.00003	.00034	.00002				.00001			.00003	.00011		18
.00004			.00002	.00186	.31897	.08544	.06751	.00140	.00024	.00008	.00035			.00002	.00009		19
					.00133	.00482											20+21
.00324	.00064	.00175	.00123	.00072	.00055	.00226	.15059	.42868	.08874	.14298	.00296	.00223	.01329	.00187	.0030	.00015	22+23
.01434	.00083	.00237	.00117	.00067	.00231	.01438	.01269	.00330	.00025	.00419	.00458	.00406	.00393	.01281	.04037	.00007	24
		.00005			.00012	.00004	.00006	.00060	.02104	.00118	.00007		.00004	.00009	.00003		25
.00551	.00004	.00004	.00033	.00058	.00013	.00020	.00157	.00013	.00987	.10212	.00013	.00388	.00002	.00002	.00362	.00047	26A
.00012	.01821	.02195	.00007	.00672	.04001	.00145	.04326	.02096	.00814	.02012	.24744	.10287	.34117	.02328	.10013	.19264	26B
					.00166		.00026				.00896	.11750	.00488				27A
.00909	.16654	.24852	.01267	.02037	.00380	.00287	.02531	.00417		.00007	.00775		.02995			.12919	27B
														.10927			28
.00202	.00091	.00478	.00463		.00008	.00063	.00404				.00109	.00378	.00575	.00072	.05843	.00014	29A
					.00166	.00860	.00009	.00365	.00001	.00003	.00532		.00034		.00033	.01631	29B
.00144	.00288	.00393	.00214	.00224	.00570	.00445	.00513	.00822	.00186	.00174	.01663	.00979	.00365	.00127	.01452	.01092	30
.00735	.00418	.00953	.00634	.01891	.00841	.04248	.03421	.00431	.00033	.01249	.01115	.00806	.02365	.00265	.07060	.00008	31
			.00490	.02424	.00002	.00110			.00001	.00001							32
	.00826	.00072			.00254	.00349					.00091	.00074	.00013	.00335	.00457	.00021	33+34
.00017	.00002				.00559	.00254	.00053			.00002	.00102	.00131	.00015	.00020	.00013	.01216	35
		.00015			.00058	.03712	.00037	.00659	.00002	.00027	.00298	.00004	.00002		.00003	.00037	36
					.00028	.01025	.0010	.00195		.00037	.00008					.00007	37
											.00487	.00369	.00007	.00111	.01042	.03054	38
					.00776												39
					.00376	.01204	.00004	.00049			.00004			.00103	.00145	.00015	40
.00128			.00009		.01054	.05716	.00331	.00652	.00040	.00024	.00646	.00225	.00033	.00065	.00263	.00015	41
									.00002								42
					.00023												43
					.00068	.00085	.00058	.00076	.00007	.00029	.00039	.00006	.00053	.00005	.00021	.00007	44+45
.00035	.00036	.00026	.00004	.00039	.00088	.00088	.00084	.00285	.00428	.00041	.00394		.00032				46
	.00141	.01288	.00285	.00193	.00104	.00206	.00034				.00004	.00052	.00054	.00073	.00011		47
.00003			.00008		.00042	.00125	.00175	.00237	.00252	.00217	.00037	.00102	.00410	.00057	.00048	.00012	48
.00015	.00192	.00145								.00043	.00041						49
.00011					.00123	.00005	.00009	.00009	.00003	.00001	.00046		.00002	.00004	.00022		50
.00023			.00002		.00003	.00019	.00021			.00001	.00095	.00005	.00010	.00011	.00055		51
.00047	.00004				.00235												52
					.00181	.00014	.00020		.00005	.00003	.00005	.00009	.00007	.00019	.00047		53
.00048	.00004								.00002	.00005							54
	.00001																55
		.00007	.00005		.00014	.00003	.00006	.00004	.00026	.00010	.00002						56
.00004																	57
																	58
.00004	.00016	.00019	.00017		.00373	.00041	.00017	.00026	.00070	.00030	.00011	.00023	.00002	.00002	.00006	.00016	59A
																	59B
					.00003												60
.00008					.00001	.00022	.00021	.00019	.00032		.00103	.00096	.00043	.00008	.00023	.00016	61
.00004	.00006	.00005	.00003	.00005	.00011	.00013	.00009	.00005	.00228	.00615	.00017	.00005	.00007	.00016	.00013	.00006	62
.00014		.00004	.01081	.00111	.00066	.00023	.00003	.00002	.00028	.00101	.00002		.00001	.00043	.00016	.00005	63
.00138	.00420	.00069	.00135	.00117	.00640	.00352	.01060	.01126	.00295	.00402	.00868	.01264	.00756	.00208	.00578	.01686	64
.00538	.01104	.01908	.01102	.01192	.02283	.01512	.03036	.03925	.00903	.01620	.02281	.05412	.01910	.00414	.01243	.02504	65A
.00006	.00017	.00062	.00004	.00009	.00046	.00021	.00071	.00002	.00009	.00098	.00092	.00085	.00011	.00058	.00011	.00113	65B
.00326	.00299	.00345	.00515	.00403	.00261	.00381	.00340	.00427	.00319	.00372	.00310	.00260	.00303	.00427	.00368	.00292	65C
.00006	.00003	.00004	.00005	.00002	.00008	.00005	.00007	.00011	.00006	.00004	.00116	.00011	.00026	.00004	.00016	.00010	65D
.00198	.00133	.0030	.00219	.00244	.00172	.00337	.00230	.00275	.00605	.00390	.00211	.00194	.00446	.00429	.00354	.00265	65E
																	66
.00209	.02234	.01279	.00917	.00718	.00955	.00728	.02101	.00804	.00412	.00651	.01962	.01294	.01832	.00753	.00490	.0050	67
.00043	.00428	.00566	.00357	.00345	.00170	.00227	.01101	.00229	.00092	.00202	.01959	.03179	.01142	.00247	.00234	.00165	68A
.00016	.00113	.00227	.00053	.00112	.00127	.00086	.00543	.00090	.00029	.00066	.00793	.00564	.00541	.00209	.00202	.00369	68B
.02566	.04735	.04575	.04876	.04915	.07070	.07461	.05112	.05595	.02534	.03810	.05950	.05184	.05078	.07151	.05982	.05326	69A
.00331	.00070	.00040	.00025	.00036	.00078	.00170	.00138	.00034	.00069	.00041	.00060	.00072	.00062	.00072	.00312	.00020	69B
.00784	.0050	.00685	.00688	.00687	.00571	.00746	.00629	.00584	.00654	.00627	.00684	.00896	.00727	.00905	.00820	.00770	70A
.00282	.00214	.00262	.00251	.00246	.00230	.00257	.00253	.00228	.00241	.00238	.00255	.00243	.00229	.00242	.00258	.00230	70B
																	71A
.00433	.00281	.00459	.01161	.01456	.00592	.01002	.00354	.00465	.03166	.02428	.00683	.00447	.00379	.00906	.00901	.00353	71B
.00347	.00227	.00297	.0030	.00287	.00240	.00276	.00266	.00257	.00260	.00269	.00268	.00266	.00267	.00375	.00310	.00282	72A
.00122	.00567	.00433	.00168	.00053	.00133	.00077	.00286	.00172	.00077	.00113	.00235	.00266	.00277	.00101	.0010	.00087	72B
.00231	.00265	.00368	.00145	.00138	.00207	.00175	.00449	.00279	.00443	.00326	.00379	.00460	.00472	.00268	.00224	.00144	73A
.01050	.00252	.00407	.00268	.00405	.00290	.00768	.00210	.0176	.01214	.00380	.02236	.01140	.02643	.02939	.01538	.01038	73B
.01067	.01279	.01348	.06199	.01141	.01202	.01806	.01574	.01329	.04358	.01835	.01722	.02242	.01467	.03090	.02090	.00923	73C
.09427	.00248	.00996	.01138	.00488	.00348	.01038	.00590	.00150	.02442	.0099							

Table 3.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products
	Industry number	31	32	33+34	35	36	37	38	39	40	41	42
1	Livestock and livestock products											
2	Other agricultural products .....	.00001										
3	Forestry and fishery products .....	.00001	.01008			.00004		.00025				
4	Agricultural, forestry, and fishery services .....	.00016	.00041	.00014	.00063	.00057	.00045	.00045	.00019	.00031	.00020	.00038
5+8	Metallic ores mining .....	.00016			.00097	.00031	.02604	.03647		.00055		.00042
7	Coal mining .....	.00003	.00010	.00017	.00401	.00420	.01269	.00019	.00006	.00003	.00005	.00004
8	Crude petroleum and natural gas .....	.55195										
9+10	Nonmetallic minerals mining .....	.00253	.00011		.01001	.05524	.00261	.00025				.00002
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction .....	.00779	.00725	.00676	.00875	.00725	.00788	.00561	.00562	.00359	.01057	.00589
13	Ordnance and accessories											
14	Food and kindred products .....	.00084	.00014	.10557		.00040						
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills .....		.00843	.02508		.00308		.00017				
17	Miscellaneous textile goods and floor coverings .....		.00890	.01976	.00005							
18	Apparel .....		.00007	.00045								.00005
19	Miscellaneous fabricated textile products .....		.00010		.00004	.00015						
20+21	Lumber and wood products .....	.00002	.00171		.01218	.00458	.00207	.00296		.00068	.00052	.00122
22+23	Furniture and fixtures											
24	Paper and allied products, except containers .....	.00065	.00832	.00564	.00222	.01071	.00032	.00064	.00041	.00059	.00165	.00403
25	Paperboard containers and boxes .....	.00087	.01196	.00317	.03667	.00326	.00019	.00090	.00307	.00395	.00562	.00552
26A	Newspapers and periodicals .....	.00002	.00007			.00004	.00002	.00002		.00005	.00003	.00003
26B	Other printing and publishing .....	.00004	.00023	.00009	.00007	.00011	.00095	.00004	.00444	.00007	.00009	.00003
27A	Industrial and other chemicals .....	.01503	.04491	.03877	.03602	.02105	.01147	.00359	.00865	.00954	.00460	.01032
27B	Agricultural fertilizers and chemicals											
28	Plastics and synthetic materials .....		.17645	.00116		.00515		.01529		.00077	.00245	.00523
29A	Drugs											
29B	Cleaning and toilet preparations .....	.00290	.00065	.00333	.00172	.00204	.00003			.00005	.00013	.00022
30	Paints and allied products .....		.00052		.00083	.00128	.00030	.00012	.02875	.00473	.00233	.00729
31	Petroleum refining and related products .....	.09563	.00253	.00453	.00564	.00930	.00516	.00380	.00239	.00255	.00183	.00301
32	Rubber and miscellaneous plastics products .....	.00336	.05713	.02957	.02255	.00732	.00180	.00943	.00155	.01019	.00428	.02640
33+34	Footwear, leather, and leather products .....			.26788						.00002		
35	Glass and glass products .....	.00290	.00685		.09703	.00251		.00640		.00413	.00077	.00087
36	Stone and clay products .....	.00179	.00129	.00040	.01204	.10804	.01410	.00229	.00059	.00120	.00158	.00191
37	Primary iron and steel manufacturing .....	.00013	.00482		.00117	.00917	.18108	.01062	.18186	.18912	.23037	.11635
38	Primary nonferrous metals manufacturing .....		.00085			.00150	.01797	.31569	.36282	.08066	.05003	.05552
39	Metal containers .....	.00078					.00003		.08888		.00007	.00008
40	Heating, plumbing, and fabricated structural metal products .....		.00041			.00050	.00007			.03661		.00120
41	Screw machine products and stampings .....		.00276	.00025	.00111	.00133	.00384	.00046	.00042	.01295	.01481	.02136
42	Other fabricated metal products .....	.00081	.00605	.00557		.00675	.01847	.00789	.01587	.03226	.02032	.06562
43	Engines and turbines .....		.00021				.00036					.00078
44+45	Farm, construction, and mining machinery											
46	Materials handling machinery and equipment .....		.00005				.00025	.00018				
47	Metalworking machinery and equipment .....	.00014	.00186	.00018	.00488	.00234	.00821	.01053	.00139	.00623	.02421	.00409
48	Special industry machinery and equipment .....		.00415	.00005	.00136		.00035	.00120			.00006	
49	General industrial machinery and equipment .....	.00001	.00023			.00085	.01768	.00620		.00226	.00197	.00031
50	Miscellaneous machinery, except electrical .....	.00073	.00695	.00179	.00617	.00278	.00643	.00454	.00416	.00532	.02395	.00920
51	Computer and office equipment											
52	Service industry machinery .....	.00001	.00006		.00013	.00008	.00001			.00021		.00002
53	Electrical industrial equipment and apparatus .....	.00001	.00035		.00306	.00023	.00903	.00328	.00008	.00160	.00072	.00562
54	Household appliances											
55	Electric lighting and wiring equipment .....	.00005	.00056		.00034	.00048		.00069		.00003	.00018	.00006
56	Audio, video, and communication equipment											
57	Electronic components and accessories .....		.00030									
58	Miscellaneous electrical machinery and supplies .....	.00001	.00018				.00029	.00006		.00002		.00009
59A	Motor vehicles (passenger cars and trucks)											
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00009	.00011		.00039	.00096	.00018	.00016	.00009	.00023	.00011	.00010
60	Aircraft and parts											
61	Other transportation equipment											
62	Scientific and controlling instruments .....	.00017	.00010		.00052	.00037	.00127	.00008		.00209		.00005
63	Ophthalmic and photographic equipment .....	.00004	.00013		.00012	.00008	.00010	.00006	.00008	.00014	.00014	.00009
64	Miscellaneous manufacturing .....	.00003	.00015	.00072	.00005	.00074	.00003	.00002		.00015	.00004	.00002
65A	Railroads and related services; passenger ground transportation .....	.00235	.00581	.00154	.01281	.01074	.01499	.00801	.00419	.00305	.00355	.00256
65B	Motor freight transportation and warehousing .....	.00511	.02857	.01553	.01462	.06122	.02786	.02580	.01984	.01442	.01405	.01246
65C	Water transportation .....	.00172	.00058	.00005	.00094	.00277	.00132	.00048	.00022	.00011	.00018	.00020
65D	Air transportation .....	.00061	.00325	.00492	.00307	.00285	.00354	.00359	.00305	.0030	.00317	.00323
65E	Pipelines, freight forwarders, and related services .....	.02650	.00005	.00005	.00008	.00011	.00006	.00004	.00009	.00003	.00004	.00003
66	Communications, except radio and TV .....	.00119	.00285	.00259	.00326	.00310	.00190	.00183	.00177	.00283	.00213	.00329
67	Radio and TV broadcasting											
68A	Electric services (utilities) .....	.00883	.01707	.00653	.02533	.02064	.03043	.02479	.01163	.00657	.01105	.01158
68B	Gas production and distribution (utilities) .....	.01332	.00364	.00336	.01624	.01640	.01691	.00599	.00458	.00307	.00356	.00504
68C	Water and sanitary services .....	.00296	.00147	.01055	.00259	.00210	.00728	.00251	.00143	.00084	.01261	.00196
69A	Wholesale trade .....	.04072	.04285	.05240	.04688	.03651	.09192	.08926	.08322	.06290	.06324	.05685
69B	Retail trade .....	.00018	.00121	.00063	.00265	.00121	.00032	.00019	.00047	.00069	.00062	.00075
70A	Finance .....	.00746	.00738	.00588	.00670	.00604	.00681	.00576	.00675	.00597	.00756	.00641
70B	Insurance .....	.00140	.00247	.00284	.00260	.00282	.00260	.00228	.00236	.00215	.00242	.00230
71A	Owner-occupied dwellings											
71B	Real estate and royalties .....	.00904	.00924	.00581	.00618	.00684	.00363	.00476	.00468	.00893	.00763	.00787
72A	Hotels and lodging places .....	.00085	.00278	.00258	.00289	.00255	.00268	.00257	.00310	.00262	.00271	.00271
72B	Personal and repair services (except auto) .....	.00172	.00190	.00097	.00279	.00273	.00417	.00201	.00217	.00085	.00227	.00158
73A	Computer and data processing services, including own-account software .....	.00267	.00359	.00474	.00470	.00416	.00683	.00312	.00311	.00217	.00406	.00352
73B	Legal, engineering, accounting, and related services .....	.00609	.00809	.00248	.00370	.00455	.00376	.00248	.00333	.00393	.00796	.00573
73C	Other business and professional services, except medical .....	.00915	.01562	.01034	.01741	.01738	.02065	.01294	.01253	.02254	.0210	.01719
73D	Advertising .....	.00346	.00556	.02108	.00451	.00537	.00412	.00179	.00269	.00492	.00742	.00837
74	Eating and drinking places .....	.00138	.00306	.00338	.00339	.00277	.00292	.00284	.00324	.00308	.00323	.00316
75	Automotive repair and services .....	.00353	.00491	.00274	.00672	.00642	.00902	.00479	.00542	.00286	.00499	.00452
76	Amusements .....	.00022	.00041	.00013	.00018	.00023	.00035	.00025	.00069	.00016	.00045	.00016
77A	Health services											
77B	Educational and social services, and membership organizations .....	.00118	.00404	.00042	.00068	.00081	.00076	.00107	.00190	.00115	.00290	.00102
78	Federal Government enterprises .....	.00027	.00056	.00154	.00076	.00053	.00067	.00044	.00008	.00062	.00068	.00064
79	State and local government enterprises .....	.00010	.00025	.00102	.00024	.00034	.00043	.00034	.00031	.00032	.00024	.00042
80	Noncomparable imports .....	.00275	.00225	.00034	.0020	.00268	.00136	.00231	.00023	.00158	.00110	.00109
81	Scrap, used and secondhand goods .....				.00410		.03950	.03943		.00164		.00053
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs .....	.84445	.55576	.68545	.46872	.49878	.65824	.70613	.89442	.55808	.59450	.51861
VA	Value added .....	.15555	.44424	.31455	.53128	.50122	.34176	.29387	.10558	.44392	.40550	.48139
T	Total	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Direct Requirements, 1996—Continued
of industry output, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	
															.00001	.00001	1
																	2
.00053	.00045	.00030	.00037	.00038	.00056	.00051	.00034	.00030	.00068	.00052	.00041	.00033	.00112	.00097	.00017	.00036	3
	.00028		.00018				.00003		.00109			.00047		.00038		.00261	4
.00005	.00007		.00003	.00004	.00005	.00006	.00001	.00006	.00003				.00002		.00009	.00020	5+6
			.00068	.00002						.00159			.00001				7
																	8
.00691	.00531	.00439	.00628	.00574	.00504	.00665	.00772	.00695	.00562	.00563	.00520	.00746	.01770	.00649	.00343	.00784	9+10
																	11
																	12
																	13
																	14
																	15
.00041			.00010	.00010	.00634	.00163			.00003			.00002			.00087	.00071	16
					.00003								.00001		.00003		17
	.00231	.00213	.00327	.00349	.00123	.00022		.00233	.00093	.00059	.00008	.00004			.00003	.00017	18
										.00003		.01043	.00011	.00004	.00003	.00180	19
.00035	.00025	.00042	.00059	.00732	.00395	.00030	.00051	.00413	.00490	.01360	.00577	.00377	.00219	.00196	.00232	.00060	20+21
.00038	.00024	.00011	.00229	.00069	.00303	.00174	.00343	.00348	.00286	.01013	.01330	.00219	.00160	.01253	.00010	.00430	22+23
	.00003		.00003	.00005		.00011	.00015	.00003	.00007		.00009	.00009	.00015	.00018	.00003	.00005	24
.00009	.00013	.00008	.00014	.00008	.00007	.00013	.00012	.00003	.00006	.00026	.00004	.00025	.00008	.00008	.00010	.00028	25
.00008	.00070	.00043	.00051	.00123	.00007	.00019	.00019	.00220	.00155	.00766	.00209	.00017	.01355	.00736	.00457	.00416	26A
																	26B
																	27A
					.00048	.00034	.00027	.00405	.00295	.02660	.02359	.00283	.00264	.01394	.00005	.00579	27B
																	28
							.00009	.00035	.00061	.00086	.00124	.00030	.00009	.00015	.00004	.00005	29A
.00134	.00355	.00157	.00197		.00048	.00030	.00043	.00312	.00249	.00823	.00040	.00029			.01042	.00537	29B
.00135	.00186	.00328	.00248	.00202	.00268	.00201	.00073	.00153	.00560	.00349	.00301	.00078	.00103	.00181	.00108	.00187	30
.01288	.04075	.01880	.00899	.01727	.02482	.00447	.01608	.02680	.02862	.09159	.03225	.02197	.01519	.07290	.06327	.02857	31
															.00001	.00001	32
	.00027			.00052				.00010		.00185	.02415	.00004	.00758		.00934	.00066	33+34
.00419	.00109	.00085	.00796	.00167	.00228	.0030	.00014	.00423	.02959	.00527	.00778	.00018	.00074	.00072	.00125	.00330	35
.13520	.10390	.11018	.07456	.05844	.07236	.07033	.00129	.05388	.04740	.07044	.03691	.00488	.00516	.01984	.00173	.08609	36
.03045	.00856	.02377	.02218	.04209	.02716	.06039	.01021	.06254	.05542	.04814	.05736	.01345	.02562	.05390	.00030	.07838	37
																	38
.01225	.04073	.01732	.00974	.01428	.01222	.00374	.00732	.00721	.00508			.00658	.00341	.00414		.01271	39
.03732	.01418	.03254	.00898	.00912	.00972	.00953	.00818	.03220	.01996	.03167	.03065	.01181	.00982	.01125	.08684	.04443	40
.0360	.01721	.02518	.01172	.02737	.01308	.01533	.00270	.01977	.00592	.01876	.01960	.00648	.03234	.01961	.01684	.01435	41
.06506	.05322	.00970		.00401	.00536	.00108		.00129	.01020						.01420	.00295	42
	.01920																43
	.00033	.02140		.00044	.00021										.00006	.00008	44+45
.00337	.00353	.00393	.04830	.00725	.00530	.01211	.00056	.00489	.00243	.00209	.00295	.00086	.00207	.00242	.00118	.00270	46
			.06408										.00089				47
.01668	.02909	.06874	.00956	.02464	.07688	.01188	.00027	.01816	.00463	.00433		.00036		.00410	.00035	.01679	48
.04847	.03011	.03297	.03359	.04285	.03638	.06230	.00189	.02584	.00873	.00255	.00508	.00268	.00679	.00576	.00503	.04511	49
			.00106				.16334		.00300			.00422	.00942	.00515	.00002	.00004	50
.04213	.00762	.03402	.02372	.00011	.00003	.00023	.00003	.07555	.00005	.02454	.00014	.00006	.00002	.01420	.00261	.00261	51
			.04229	.03838	.00235	.02392		.05601	.08120	.04872	.02812	.00320	.00160	.01595	.00003	.00011	52
	.00029		.00027			.00014	.00118	.00650	.00197	.01477	.03177	.00714	.00178	.00324	.00522	.00079	53
			.00012	.00169	.00171	.00271	.00921	.00004	.02341	.01079	.00785	.03827	.00164	.00159	.00789	(*)	54
.01221	.00551	.00367	.00130	.00099	.00065	.00084	.00019	.00039	.00005	.00005	.00005	.00443	.02812	.00539	.02875	.03623	55
														.02868	.01606	.01763	56
.00014	.00153	.00013	.00026	.00012	.00014	.00013	.00009	.00017	.00008		.00005	.00005	.00006	.00022	.00160	.00731	57
															.00731	.09911	58
															.29223	.09911	59A
																	59B
																	60
			.00035		.00043		.00006	.01681	.00260	.03882		.00562	.00479	.00534	.00876	.00005	61
.00010	.00009	.00010	.00017	.00013	.00012	.00028	.00023	.00014	.00020	.00005	.00018	.00023	.00025	.00032	.00011	.00019	62
	.00036	.00104	.00011	.00004			.00002	.00075	.00007	.00081	.00222	.00001		.00004	.00008	.00007	63
.00097	.00164	.00155	.00135	.00135	.00125	.00165	.00103	.00167	.00268	.00246	.00183	.00127	.00224	.00192	.0030	.00314	64
.01643	.01457	.01189	.01037	.00880	.00814	.00781	.00213	.00903	.00828	.01504	.01140	.00369	.00440	.01063	.01498	.01369	65A
.00002	.00011	.00006	.00008	.00005	.00004	.00009	.00003	.00008	.00022	.00019	.00009	.00002	.00012	.00008	.00009	.00014	65B
.00496	.00385	.00439	.00397	.00419	.00399	.00399	.00621	.00417	.00414	.00454	.00357	.00472	.00447	.00404	.00652	.00538	65C
.00006	.00005	.00003	.00003	.00002	.00003	.00005	.00005	.00005	.00003	.00003	.00003	.00004	.00004	.00002	.00005	.00005	65D
.00216	.00280	.00341	.00417	.00455	.00427	.00276	.00484	.00290	.00413	.00357	.00314	.00508	.00446	.00276	.00108	.00195	66
																	67
.00679	.00859	.00490	.00886	.00641	.00860	.00972	.00539	.00630	.00838	.00707	.00853	.00511	.01327	.00936	.00269	.00870	68A
.00202	.00251	.00223	.00247	.00191	.00269	.00283	.00072	.00205	.00277	.00255	.00298	.00087	.00178	.00219	.00090	.00221	68B
.00120	.00081	.00037	.00067	.00061	.00101	.00075	.00065	.00281	.00092	.00043	.00104	.00045	.00124	.00281	.00053	.00312	68C
.05449	.08893	.10018	.04899	.0750	.06229	.03662	.13184	.06736	.07485	.07667	.07360	.07446	.06895	.08732	.07805	.07153	69A
.00031	.00033	.00035	.00029	.00033	.00040	.00028	.00036	.00074	.00082	.00198	.00198	.00060	.00035	.00099	.00030	.00051	69B
.00632	.00661	.00601	.00612	.00593	.00616	.00636	.00908	.00719	.00822	.00703	.00670	.00840	.00878	.00792	.00635	.00775	70A
.00218	.00242	.00279	.00238	.00209	.00231	.00222	.00265	.00239	.00226	.00256	.00242	.00256	.00274	.00250	.00238	.00252	70B
																	71A
.00430	.00340	.00587	.00879	.00936	.00536	.01151	.01409	.00420	.00681	.00335	.01009	.00992	.01123	.00697	.00229	.00354	71B
.00282	.00273	.00257	.00274	.00272	.00266	.00265	.00342	.00269	.00272	.00293	.00284	.00311	.00320	.00279	.00270	.00287	72A
.00131	.00118	.00069	.00093	.00079	.00131	.00102	.00062	.00102	.00118	.00073	.00079	.00086	.00244	.00160	.00081	.00201	72B
.00388	.00324	.00156	.00242	.00198	.00292	.00191	.01197	.00342	.00225	.00136	.00299	.00511	.00639	.00260	.00075	.00321	73A
.00232	.00638	.00741	.00701	.00693	.00611	.00702	.00693	.00394	.00394	.00392	.00394	.00884	.01519	.00329	.00712	.00621	73B
.01278	.01269	.01208	.01385	.01264	.01476	.01935	.										

Table 3.—Commodity-by-Industry
[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Industry number	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services
			60	61	62	63	64	65A	65B	65C	65D	65E
1	Livestock and livestock products .....						.00012					
2	Other agricultural products .....	.00001					.00073		.00001	.00009	.00001	
3	Forestry and fishery products .....						.00051			.00009		
4	Agricultural, forestry, and fishery services .....	.00066	.00046	.00054	.00040	.00020		.00002	.00001			
5+6	Metallic ores mining .....	.00038		.00013		.00024						
7	Coal mining .....	.00010	.00014	.00023	.00059	.00003				.00016		
8	Crude petroleum and natural gas .....											.00416
9+10	Nonmetallic minerals mining .....						.00009					
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction .....	.00782	.00382	.00631	.00692	.00403		.04796	.00496	.00122	.00203	.01350
13	Ordinance and accessories .....											.00011
14	Food and kindred products .....	.00003		.00029		.00132				.00209	.00176	
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills .....	.00090		.00282		.01001					.00001	
17	Miscellaneous textile goods and floor coverings .....	.00015	.00193	.00553	.00005				.00006	.00041		
18	Apparel .....	.00005		.00017		.00367		.00041	.00002	.00182	.00007	
19	Miscellaneous fabricated textile products .....	.00108	.00382	.00001		.00077			.00005	.00275	.00005	.00204
20+21	Lumber and wood products .....	.00018	.00256	.00087		.01310			.00024	.00034	.00003	.00529
22+23	Furniture and fixtures .....	.00048	.00068	.00038		.00076						
24	Paper and allied products, except containers .....	.00020	.00029	.00353	.02965	.00580		.00041	.00035		.00032	.00047
25	Paperboard containers and boxes .....	.00011	.00013	.00449	.01022	.01596		.00008	.00068		.00003	.00243
26A	Newspapers and periodicals .....	.00004	.00002	.00009	.00043	.00014		.00024	.00024	.00103	.00016	.00049
26B	Other printing and publishing .....	.00021	.00005	.00003	.00011	.00084		.00279	.00197	.00075	.00116	.00530
27A	Industrial and other chemicals .....	.00054	.00044	.00142	.01824	.00887		.00189	.00064	.00035	.00008	.00020
27B	Agricultural fertilizers and chemicals											
28	Plastics and synthetic materials .....	.00286	.00358	.00456	.01226	.02188				.00022		
29A	Drugs											
29B	Cleaning and toilet preparations .....			.00027	.00054	.00072			.00001		.00003	
30	Paints and allied products .....	.00149	.00475	.00036		.00498			.00031	.00094	.00004	
31	Petroleum refining and related products .....	.00151	.00279	.00121	.00167	.00365	.05605		.04412	.01790	.00735	.00526
32	Rubber and miscellaneous plastics products .....	.01633	.02246	.02210	.02474	.03374	.00467		.01150	.00323	.00026	.00427
33+34	Footwear, leather, and leather products	(*)				.00083	.00001		.00001		(*)	.00002
35	Glass and glass products .....	.00015	.00572	.00437	.00659	.00047	.00125		.00002	.00027		.00034
36	Stone and clay products .....	.00230	.00057	.00105	.00041	.00255	.00003		.00004	.00005	.00001	.00010
37	Primary iron and steel manufacturing .....	.00783	.05490	.00916	.00176	.01824	.00731				.00002	
38	Primary nonferrous metals manufacturing .....	.02480	.01392	.01393	.00505	.04168	.00002		.00003	.00128		
39	Metal containers .....			.00017								
40	Heating, plumbing, and fabricated structural metal products .....	.00263	.02123	.00753	.00040	.00296				.00034		
41	Screw machine products and stampings .....	.00832	.00740	.01392	.00915	.00309	.00013			.00007	.00042	
42	Other fabricated metal products .....	.01533	.01684	.01553	.00261	.01058	.00505		.00276	.00781	.00072	.00264
43	Engines and turbines .....		.04781			.00005	.00364		.00046	.00949		.00091
44+45	Farm, construction, and mining machinery .....		.00072									
46	Materials handling machinery and equipment .....		.00006						.00003			
47	Metalworking machinery and equipment .....	.01035	.00165	.00149	.00140	.00223	.00145		.00014	.00536	.00029	
48	Special industry machinery and equipment .....								.00001			
49	General industrial machinery and equipment .....	.00256	.02344	.00070	.00020	.00048	.00627		.00032	.01218	.00005	.00374
50	Miscellaneous machinery, except electrical .....	.01398	.00786	.00506	.00487	.00811	.00228		.00043	.0040	.00141	.00151
51	Computer and office equipment .....	.00088		.01197	.00034	.00030			.00002		.00003	.00073
52	Service industry machinery .....		.00248	.00002	.00005	.00007	.00015		.00005		.00004	.00013
53	Electrical industrial equipment and apparatus .....	.00103	.02886	.01292	.00477	.00417	.00648		.00141	.00039	.00017	.00091
54	Household appliances .....		.00457							.00008		
55	Electric lighting and wiring equipment .....		.00306	.00282	.00019	.00030	.00039		.00027		.00006	
56	Audio, video, and communication equipment .....	.00701	.00034	.00640	.00012				.00003		.00001	.00030
57	Electronic components and accessories .....	.01542	.00005	.00635	.02873	.00519	.00041				.00159	
58	Miscellaneous electrical machinery and supplies .....	.00033	.00288	.00040	.00013	.00029	.00154		.00113	.00096	.00041	.00245
59A	Motor vehicles (passenger cars and trucks) .....		.02502									
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00005	.02410	.00007	.00021	.00011	.00736		.00380	.00003	.00014	.00090
60	Aircraft and parts .....	.18506									.02850	
61	Other transportation equipment .....		.03308					.01901	.00007	.01407		.00006
62	Scientific and controlling instruments .....	.07362	.00442	.03239	.00673				.00014	.00010	.00020	
63	Ophthalmic and photographic equipment .....	.00018	.00004	.00022	.03795	.00022	.00017		.00036	.00021	.00017	.00085
64	Miscellaneous manufacturing .....	.00012	.00008	.00008	.00003	.05789	.00020		.00017	.00153	.00031	.00076
65A	Railroads and related services; passenger ground transportation .....	.00118	.00203	.00116	.00306	.00210	.00312		.00020	.00048	.00130	.00091
65B	Motor freight transportation and warehousing .....	.00469	.01196	.00442	.00689	.01032	.00728		.18522	.00251	.00234	.00586
65C	Water transportation .....	.00006	.00006	.00006	.00018	.00028	.00029		.00536	.19277	.00044	.00131
65D	Air transportation .....	.00788	.00380	.00383	.00327	.00292	.00391		.00867	.00176	.00605	.00621
65E	Pipelines, freight forwarders, and related services .....	.00005	.00003	.00004	.00005	.00004	.00757		.03110	.04681	.08535	.02344
66	Communications, except radio and TV .....	.00211	.00213	.00506	.00518	.00311	.00714		.01172	.00125	.01045	.02899
67	Radio and TV broadcasting											
68A	Electric services (utilities) .....	.00524	.00510	.00638	.00539	.00574	.00150		.00592	.00409	.00235	.01156
68B	Gas production and distribution (utilities) .....	.00097	.00182	.00085	.00233	.00218	.00002		.00068	.00026	.00013	.00012
68C	Water and sanitary services .....	.00139	.00116	.00063	.00101	.00065	.00210		.01319	.00111	.00122	.00107
69A	Wholesale trade .....	.03272	.05377	.04821	.05582	.07875	.03309		.02957	.01354	.01550	.00897
69B	Retail trade .....	.00016	.00033	.00056	.00081	.00134	.00361		.00467	.00042	.00038	.00084
70A	Finance .....	.00796	.00568	.00738	.00854	.00617	.01159		.00772	.02732	.01383	.02542
70B	Insurance .....	.00206	.00228	.00233	.00248	.00240	.00570		.01140	.00254	.00323	.00716
71A	Owner-occupied dwellings											
71B	Real estate and royalties .....	.00324	.01126	.00869	.00512	.00949	.01105		.02058	.02571	.0130	.02038
72A	Hotels and lodging places .....	.00269	.00245	.00271	.00278	.00225	.00234		.00348	.00134	.00258	.00279
72B	Personal and repair services (except auto) .....	.00149	.00057	.00072	.00067	.00075	.00078		.00061	.00098	.00341	.00231
73A	Computer and data processing services, including own-account software .....	.00683	.00233	.00380	.00301	.00139	.01481		.00228	.00478	.02072	.08938
73B	Legal, engineering, accounting, and related services .....	.00738	.00514	.01080	.00243	.00525	.00727		.00539	.01962	.00938	.05284
73C	Other business and professional services, except medical .....	.01553	.0110	.02333	.02417	.01490	.02431		.02506	.09722	.01613	.03564
73D	Advertising .....	.00377	.00530	.01475	.01385	.03265	.00393		.00202	.03505	.01259	.02629
74	Eating and drinking places .....	.00282	.00297	.00315	.00317	.00295	.00326		.00345	.00141	.01763	.00294
75	Automotive repair and services .....	.00374	.00210	.00250	.00261	.00263	.01204		.05676	.00052	.00149	.00596
76	Amusements .....	.00051	.00015	.00047	.00058	.00037	.00036		.00065	.00048	.00074	.00067
77A	Health services .....								.00037			
77B	Educational and social services, and membership organizations .....	.00326	.00084	.00225	.00442	.00349	.00425		.00050	.00508	.00069	.00978
78	Federal Government enterprises .....	.00077	.00031	.00097	.00069	.00194	.00097		.00136	.00034	.00068	.00384
79	State and local government enterprises .....	.00013	.00028	.00027	.00014	.00033	.00172		.00165		.00021	.00031
80	Noncomparable imports .....	.00156	.00079	.00276	.00982	.00206	.00359		.00415	.09903	.07415	.00838
81	Scrap, used and secondhand goods .....						.00002		.00003			
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs .....	.52705	.53269	.44833	.38572	.48911	.39528		.52253	.67798	.49867	.44321
VA	Value added .....	.47295	.46731	.55167	.61428	.51089	.60472		.47747	.32202	.50133	.55679
T	Total	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

*Less than .000005.

1. Detail may not add to 1 because of rounding.

Communications, except radio and TV	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services, including own-account software	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Commodity number
66	67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	
(*)		.00001	.00001		.00014	(*)	.00001	.00001		.00004	.00008		.00002	.00002	.00020		1
.00023	.00015	.00011			.00058	.00118	.00027	.00027	.00894	.00802	.00463	.00051	.00051	.00050	.00033	.00035	2
		.06817			.00001	.00001	(*)			.00001	.00002	.00002		(*)	(*)		3
		.00005	.43325		.00001												4
					.00001	(*)						.00003					5
.03901	.00784	.06672	.07591	.06785	.00478	.01007	.00258	.00264	.04666	.05609	.02740	.00573	.00271	.00152		.00277	6
					.00114	.00025					.00258					.00024	7
															.00006		8
.00001					.00015	.00010		(*)			.00011	.00148				.00002	9
.00045		.00001			.00009	.00009				(*)	.00023	.00038		.00001		.00002	10
.00002					.00065	.00005					.00074	.00398				.00026	11
.00012	.00004	.00006	.00004	.01056	.00037	.00006	.00024	.00008		.00002	.00801	.00274				.00002	12
					.00376	.00026	.00020	.00025		.00010	.00025	.00058	.00020	.00036	.00033	.00018	13
.00091	.00038	.00035	.00020	.00044	.00391	.00754	.00198	.00138	.00091	(*)	.00298	.00388	.00001	.00001	(*)		14
.00047	.00018	.00010	.00006	.00015	.00821	.00165	.00027	.00020	.00014	.00198	.00062	.00021	.00075	.00241	.00386	.00020	15
.00042	.00022	.00005	.00001	.00018	.00052	.00020	.00060	.00013	.00004	.00080	.00034	.00027	.00003	.00053	.00043	.00019	16
.00346	.00027	.00046	.00014	.00019	.01027	.00093	.00613	.00575	.00108	.00208	.00871	.00785	.00693	.00570	.05968	.05968	17
.00006	.00042	.00173	.00003	.02341	.00056	.00007	.00010	.00008	(*)	.00007	.00018	.00164	.00008	.00017	.00372	.00006	18
					.00075	.00004			.00090	.00029	.00214				(*)		19
					.00001	.00002						.00014					20
.00002					.00007												21
.00011		.00002	.00004		.00081	.00027	.00004	.00002	.00008	.00104	.01063		.00003	.00010	.00114		22
.00029					.00003	.00005	(*)	.00018	.00004	.00001	.00010			.00001	.00016		23
.0010	.00089	.01027	.00249	.03205	.00589	.00478	.00076	.00045	.00089	.00277	.00365	.00077	.00074	.00074	.00390	.00043	24
.00237	.00014	.00091	.00010	.00928	.00467	.00342	.00025	.00124	.00068	.00392	.00413	.00162	.00089	.00312	.00084		25
.00001		.00001	.00001		.00001	.00029	.00002	.00001	.00001	.00006	.00298	.00002	.00007	.00013			26
.00011		.00004			.00092	.00027											

Table 3.—Commodity-by-Industry Direct Requirements, 1996—Continued

[Direct requirements per dollar of industry output, at producers' prices]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Industry number	Eating and drinking places	Auto-motive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment
			74	75	76	77A	77B	78	79	82	84	85
1	Livestock and livestock products .....		.00130		.00040	.00012	.00046					
2	Other agricultural products .....		.00073	.00001	.00150	.00036	.00055	.00029				
3	Forestry and fishery products .....		.00725		.00006	.00007		.00027				
4	Agricultural, forestry, and fishery services .....		.00073	.00045	.00189	.00177	.00167	.00007	.00359			
5+6	Metallic ores mining											
7	Coal mining .....		.00001	.00001	.00001	.00001	.00001	.00822	.00873			
8	Crude petroleum and natural gas .....								.00716			
9+10	Nonmetallic minerals mining .....						.00001		.00059			
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction .....		.00767	.00417	.00864	.00580	.03667	.02506	.18188			
13	Ordnance and accessories .....				.00017							
14	Food and kindred products .....		.19916		.00557	.00717	.01102	.00768				
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills .....				.00064	.00006	.00014	.00017	.00008			
17	Miscellaneous textile goods and floor coverings .....		.00014	.00038	.00008	.00010	.00004	.00019	.00010			
18	Apparel .....		.00003	.00028	.00087	.00103	.00039	.00002	.00034			
19	Miscellaneous fabricated textile products .....		.00060	.00102	.00037	.00121	.00038	.00282	.00001			
20+21	Lumber and wood products .....		.00016	.00011	.00075	.00032	.00143					
22+23	Furniture and fixtures .....			.00174	.00001	(*)	(*)	.00744				
24	Paper and allied products, except containers .....		.00298	.00128	.00168	.00377	.00488	.00215	.00045			
25	Paperboard containers and boxes .....		.00319	.00087	.00076	.00140	.00131	.00264				
26A	Newspapers and periodicals .....		.00009	.00028	.00052	.00065	.00373	.00012	.00007			
26B	Other printing and publishing .....		.00263	.00084	.00213	.00462	.03993	.01057	.00157			
27A	Industrial and other chemicals .....		.00069	.00158	.00114	.01458	.00083	.00168	.01157			
27B	Agricultural fertilizers and chemicals .....				.00121	.00007	.00021		.00173			
28	Plastics and synthetic materials .....					.00030						
28A	Drugs .....				.00005	.01824	.00023		.00003			
28B	Cleaning and toilet preparations .....		.00017	.00072	.00025	.00108	.00073	.00082	.00039			
30	Paints and allied products .....		.00001	.00236	.00032	(*)	.00023					
31	Petroleum refining and related products .....		.00228	.01360	.00261	.00172	.00395	.01735	.03512			
32	Rubber and miscellaneous plastics products .....		.00729	.02220	.00130	.01193	.00322	.00033	.00108			
33+34	Footwear, leather, and leather products .....		.00001	.00001	.00050	.00004	.00037	.00040				
35	Glass and glass products .....		.00139	.00549	.00004	.00184	.00120	.00007	.00044			
36	Stone and clay products .....		.00125	.00021	.00002	.00064	.00004		.00516			
37	Primary iron and steel manufacturing .....				.00001	(*)	.00010					
38	Primary nonferrous metals manufacturing .....		.00003	.00004	.00013	.00002	.00001	.00075				
39	Metal containers											
40	Heating, plumbing, and fabricated structural metal products .....				.00005		.00001		.00002			
41	Screw machine products and stampings .....		.00021	.01130	.00018	.00059	.00032	.00062	.00002			
42	Other fabricated metal products .....		.00034	.01293	.00082	.00079	.00132	.00018	.00026			
43	Engines and turbines .....		.00001	.00686		(*)	.00002	.00138	.00098			
44+45	Farm, construction, and mining machinery .....				.00002			.00012	.00129			
46	Materials handling machinery and equipment .....					.00002	.00007	.00007	.00009			
47	Metallurgical machinery and equipment		(*)	.00025	.00007	.00001	.00001		.00014			
48	Special industry machinery and equipment .....		.00081	.00025		.00002		.00032	.00014			
49	General industrial machinery and equipment .....		.00102	.00018		.00002		.00032	.00024			
50	Miscellaneous machinery, except electrical .....		.00012	.00215	.00025	.00025	.00043	.00002	.00094			
51	Computer and office equipment .....		.00006	.00007	.00028	.00230	.00031	.00008				
52	Service industry machinery .....		.00015	.00687	.00057	.00019	.00019	.00031	.00418			
53	Electrical industrial equipment and apparatus .....		.00002	.00291	.00002	.00019	.00010		.00549			
54	Household appliances .....		.00004		.00004	.00004	.00008		.00011			
55	Electric lighting and wiring equipment .....		.00035	.00363	.00082	.00108	.00105	.00048	.00093			
56	Audio, video, and communication equipment .....		.00006	.00006	.00009	.00013	.00025		.00018			
57	Electronic components and accessories .....			.00178	.00001	.00046	.00075		.00037			
58	Miscellaneous electrical machinery and supplies .....		.00012	.00518	.00461	.00042	.00078	.00038	.00152			
59A	Motor vehicles (passenger cars and trucks) .....			.00052								
59B	Truck and bus bodies, trailers, and motor vehicles parts .....		.00126	.12776	.00072	.00061	.00115	.01754	.00279			
60	Aircraft and parts .....			.00002								
61	Other transportation equipment .....				.00054		.00004	.00028	.00119			
62	Scientific and controlling instruments .....		.00003	.00088	.00010	.01597	.00098	.00002	.00011			
63	Ophthalmic and photographic equipment .....		.00006	.00029	.00047	.00212	.00180	.00027	.00011			
64	Miscellaneous manufacturing .....		.00159	.00027	.00224	.00052	.00344	.00041	.00026			
65A	Railroads and related services; passenger ground transportation .....		.00174	.00194	.00088	.00139	.00113	.00978	.00569			
65B	Motor freight transportation and warehousing .....		.00077	.00590	.00229	.00313	.00394	.02164	.00703			
65C	Water transportation .....		.00005	.00011	.00003	.00006	.00013	.02294	.00455			
65D	Air transportation .....		.00324	.00454	.00316	.00432	.00353	.02122	.00115			
65E	Pipelines, freight forwarders, and related services .....		.00005	.00177	.00006	.00005	.00009	.00020	.00041			
66	Communications, except radio and TV .....		.00378	.00986	.00838	.01064	.01026	.00432	.00424			
67	Radio and TV broadcasting											
68A	Electric services (utilities) .....		.01883	.00835	.01575	.01162	.00912	.00570	.03385			
68B	Gas production and distribution (utilities) .....		.00335	.00230	.00129	.00235	.00231	.00366	.03319			
68C	Water and sanitary services .....		.00564	.00293	.00240	.00309	.00306	.00740	.01123			
69A	Wholesale trade .....		.04502	.04189	.01584	.01735	.01649	.01430	.01283			
69B	Retail trade .....		.00138	.00741	.00101	.00077	.00147	.00027	.00020			
70A	Finance .....		.00925	.01662	.00856	.00677	.01780	.01017	.01443			
70B	Insurance .....		.00188	.00516	.00248	.00542	.00332	.00350	.00202			
71A	Owner-occupied dwellings											
71B	Real estate and royalties .....		.04563	.05078	.05969	.06516	.01335	.01581	.02037			
72A	Hotels and lodging places .....		.00264	.00332	.00275	.00409	.00308	.00039	.00037			
72B	Personal and repair services (except auto) .....		.00253	.01119	.00274	.00247	.00220	.00028	.00104			
73A	Computer and data processing services, including own-account software .....		.00276	.00432	.00413	.00832	.01199	.00198	.00228			
73B	Legal, engineering, accounting, and related services .....		.00786	.00764	.02204	.01642	.01474	.00361	.03063			
73C	Other business and professional services, except medical .....		.02359	.02242	.03678	.05508	.07142	.02970	.01680			
73D	Advertising .....		.01995	.01620	.03557	.00446	.02436	.00010	.00239			
74	Eating and drinking places .....		.01463	.00342	.00314	.00663	.00620	.00132	.00101			
75	Automotive repair and services .....		.00484	.01464	.00670	.00781	.00651	.00465	.00411			
76	Amusements .....		.01053	.00071	.16562	.00057	.00455		.00002			
77A	Health services .....				.00026	.01851						
77B	Educational and social services, and membership organizations .....		.00154	.00076	.00150	.00331	.00580	.00050	.00094			
78	Federal Government enterprises .....		.00154	.00346	.00373	.00917	.00913	.00140	.00259			
79	State and local government enterprises .....		.00071	.00132	.00032	.00039	.00047	.00054	.00998			
80	Noncomparable imports .....		.00054	.00110	.00177	.00005	.00009	.01601				
81	Scrap, used and secondhand goods		(*)	.00335	-.0012							
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs .....		.49351	.49439	.45318	.37404	.46138	.31498	.51255			
VA	Value added .....		.50649	.50561	.54682	.62596	.53862	.68502	.48745	1.00000	1.00000	1.00000
T	Total		1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than .00005.

1. Detail may not add to 1 because of rounding.

Table 4.—Commodity-by-Commodity Total Requirements, 1996
 [Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agriculture, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction, including own-account construction	Maintenance and repair construction, including own-account construction	Ordinance and accessories
	Commodity number	1	2	3	4	5+6	7	8	9+10	11	12	13
1	Livestock and livestock products	1.18457	.00302	.03077	.03146	.00082	.00070	.00045	.00053	.00080	.00085	.00056
2	Other agricultural products .....	.41819	1.04027	.05339	.12892	.00162	.00081	.00091	.00089	.00388	.00402	.00109
3	Forestry and fishery products .....	.00326	.00115	1.02753	.00252	.00136	.00104	.00067	.00058	.00681	.00891	.00087
4	Agriculture, forestry, and fishery services .....	.08926	.07303	.22037	1.0203	.00336	.00212	.00222	.00132	.00564	.00651	.00207
5+6	Metallic ores mining .....	.00096	.00068	.00060	.00063	1.1381	.00158	.00113	.00169	.00253	.00222	.00258
7	Coal mining .....	.00301	.00133	.00102	.00101	.00758	1.1142	.00207	.00722	.00195	.00165	.00167
8	Crude petroleum and natural gas .....	.03647	.03957	.03370	.02815	.04310	.03580	1.32613	.05052	.02088	.02622	.01038
9+10	Nonmetallic minerals mining .....	.00397	.00695	.00330	.00509	.00262	.00165	.00123	1.03467	.01129	.01201	.00076
11	New construction, including own-account construction .....	.03980	.02581	.03738	.02015	.0420	.01875	.05940	.02218	.01182	1.01134	.01597
12	Maintenance and repair construction, including own-account construction .....	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00002	.00002	1.02647
13	Ordinance and accessories .....	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001
14	Food and kindred products .....	.30487	.00415	.06029	.01904	.00284	.00235	.00162	.00198	.00231	.00233	.00203
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00287	.00374	.00249	.00197	.00053	.00586	.00027	.00030	.00196	.00173	.00211
17	Miscellaneous textile goods and floor coverings .....	.00403	.00275	.00533	.00324	.00042	.00051	.00027	.00038	.00306	.00288	.0010
18	Apparel .....	.00031	.00019	.00023	.00020	.00014	.00036	.00009	.00013	.00021	.00021	.00048
19	Miscellaneous fabricated textile products .....	.00116	.00197	.00169	.00229	.00019	.00020	.00016	.00016	.00088	.00102	.00027
20+21	Lumber and wood products .....	.01046	.00383	.00685	.00432	.01330	.00864	.00685	.00378	.00758	.01377	.00663
22+23	Furniture and fixtures .....	.00009	.00006	.00007	.00006	.00009	.00007	.00005	.00006	.00027	.00027	.00029
24	Paper and allied products, except containers .....	.01983	.01001	.00844	.00784	.00468	.00439	.00284	.00450	.01187	.00955	.00601
25	Paperboard containers and boxes .....	.01209	.00902	.00681	.00737	.00225	.00209	.00098	.00169	.00381	.00360	.00389
26A	Newspapers .....	.00052	.00027	.00030	.00039	.00021	.00028	.00018	.00138	.00030	.00027	.00032
26B	Other printing and publishing .....	.00582	.00284	.00419	.00314	.00272	.00226	.00211	.00266	.00395	.00348	.00263
27A	Industrial and other chemicals .....	.02156	.02054	.01411	.02040	.08123	.02878	.03341	.02029	.02017	.01821	.01851
27B	Agricultural fertilizers and chemicals .....	.04634	.09151	.04571	.10261	.00160	.00091	.00067	.00069	.00151	.00169	.00191
28A	Plastics and synthetic materials .....	.00734	.00450	.00437	.00351	.00439	.00640	.00164	.00414	.01040	.01049	.00966
29A	Drugs .....	.00592	.00019	.00048	.00047	.00008	.00004	.00003	.00004	.00004	.00004	.00005
29B	Cleaning and toilet preparations .....	.00219	.00088	.00160	.00093	.00056	.00049	.00035	.00044	.00102	.00109	.00041
30	Paints and allied products .....	.00104	.00061	.00076	.00074	.00120	.00086	.00085	.00076	.00050	.01002	.00107
31	Petroleum refining and related products .....	.03520	.03371	.03554	.01845	.03869	.04155	.01281	.04466	.02148	.03019	.00755
32	Rubber and miscellaneous plastics products .....	.02371	.01174	.00830	.00777	.01534	.02378	.00441	.01718	.02974	.03189	.02278
33+34	Footwear, leather, and leather products .....	.00091	.00009	.00013	.00014	.00004	.00005	.00004	.00004	.00010	.00010	.00005
35	Glass and glass products .....	.00377	.00072	.00127	.00111	.00086	.00095	.00054	.00108	.00493	.00263	.00194
36	Stone and clay products .....	.00304	.0030	.00240	.00172	.00744	.01036	.00618	.00225	.06594	.03777	.00345
37	Primary iron and steel manufacturing .....	.00937	.00554	.00556	.00406	.05196	.02613	.02459	.03040	.03484	.02924	.02685
38	Primary nonferrous metals manufacturing .....	.00845	.00349	.00434	.00318	.00817	.00963	.00433	.00704	.02770	.02507	.03599
39	Metal containers .....	.00730	.00070	.00187	.00108	.00061	.00034	.00021	.00035	.00059	.00060	.00028
40	Heating, plumbing, and fabricated structural metal products .....	.00274	.00186	.00226	.00131	.01395	.00806	.00373	.00818	.05722	.0480	.00281
41	Screw machine products and stampings .....	.00218	.00092	.00116	.00090	.00387	.00884	.00105	.00327	.00486	.00422	.01092
42	Other fabricated metal products .....	.01040	.00669	.00558	.00506	.00585	.00904	.00899	.00528	.02871	.02435	.01695
43	Engines and turbines .....	.00078	.00049	.00175	.00040	.00622	.00998	.00078	.00623	.00088	.00075	.00118
44+45	Farm, construction, and mining machinery .....	.00344	.00338	.00308	.00176	.03009	.05753	.00352	.03323	.00297	.00257	.00029
46	Materials handling machinery and equipment .....	.00030	.00023	.00017	.00018	.00659	.00758	.00065	.01405	.00381	.00044	.00015
47	Metallworking machinery and equipment .....	.00158	.00094	.00080	.00055	.00261	.00190	.00089	.00143	.00295	.00235	.00045
48	Special industry machinery and equipment .....	.00075	.00045	.00046	.00047	.00078	.00050	.00027	.00046	.00070	.00070	.00023
49	General industrial machinery and equipment .....	.00225	.00154	.00153	.00093	.00788	.01703	.00250	.01153	.01027	.00511	.00855
50	Miscellaneous machinery, except electrical .....	.00386	.00285	.00229	.00206	.00704	.01282	.00379	.00551	.00486	.00364	.01186
51	Computer and office equipment .....	.00129	.00072	.00085	.00074	.00095	.00090	.00076	.00094	.00142	.00120	.00035
52	Service industry machinery .....	.00088	.00054	.00090	.00056	.00082	.00070	.0010	.00067	.01412	.01370	.00040
53	Electrical industrial equipment and apparatus .....	.00205	.00127	.00144	.00095	.00536	.00689	.00243	.00732	.01039	.00787	.01295
54	Household appliances .....	.00017	.00012	.00014	.00011	.00016	.00010	.00019	.00009	.00215	.00258	.00009
55	Electric lighting and wiring equipment .....	.00178	.00108	.00123	.00135	.00101	.00149	.00377	.00076	.01772	.01576	.00191
56	Audio, video, and communication equipment .....	.00056	.00032	.00037	.00034	.00039	.00031	.00040	.00032	.00470	.00368	.01327
57	Electronic components and accessories .....	.00508	.00304	.00299	.00273	.00301	.00316	.00187	.00317	.00652	.00559	.00159
58	Miscellaneous electrical machinery and supplies .....	.00593	.00554	.00279	.00252	.00123	.00150	.00062	.00194	.00336	.00255	.00099
59A	Motor vehicles (passenger cars and trucks) .....	.00006	.00003	.00006	.00004	.00005	.00007	.00002	.00006	.00006	.00006	.00009
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00487	.00332	.00565	.00418	.00394	.00428	.00191	.00611	.00428	.00451	.00202
60	Aircraft and parts .....	.00026	.00016	.00030	.00054	.00028	.00034	.00019	.00026	.00023	.00020	.00102
61	Other transportation equipment .....	.00056	.00018	.00051	.00018	.00044	.00089	.00015	.00024	.00055	.00055	.00019
62	Scientific and controlling instruments .....	.00102	.00047	.00174	.00091	.00080	.00052	.00047	.00043	.00357	.00357	.00431
63	Ophthalmic and photographic equipment .....	.00073	.00040	.00052	.00066	.00045	.00064	.00052	.00039	.00082	.00070	.00065
64	Miscellaneous manufacturing .....	.00133	.00085	.00068	.00069	.00066	.00062	.00053	.00071	.00018	.00384	.00043
65A	Railroads and related services; passenger ground transportation .....	.02476	.00599	.00596	.00606	.01224	.04348	.00426	.00886	.00646	.00637	.00423
65B	Motor freight transportation and warehousing .....	.06167	.02556	.02030	.02591	.03207	.03115	.01028	.03279	.03739	.03536	.01655
65C	Water transportation .....	.00213	.00128	.00451	.00105	.00205	.00369	.00083	.00152	.00154	.00156	.00056
65D	Air transportation .....	.00723	.00445	.00854	.01618	.00672	.00780	.00525	.00619	.00575	.00527	.00908
65E	Pipelines, freight forwarders, and related services .....	.00572	.00276	.00393	.00321	.00356	.00381	.00219	.00378	.00271	.00281	.00188
66	Communications, except radio and TV .....	.01580	.00879	.00887	.01094	.00958	.00880	.00853	.00931	.01359	.01285	.00978
67	Radio and TV broadcasting .....	.00014	.00006	.00007	.00008	.00006	.00006	.00006	.00007	.00009	.00008	.00009
68A	Electric services (utilities) .....	.03526	.01360	.00980	.00957	.07860	.03355	.02238	.04974	.01307	.01216	.01511
68B	Gas production and distribution (utilities) .....	.01240	.01286	.00825	.00890	.02168	.00981	.00803	.03309	.00811	.00733	.00639
68C	Water and sanitary services .....	.00811	.00816	.00507	.00320	.00289	.00275	.00399	.00293	.00403	.00396	.00282
69A	Wholesale trade .....	.14837	.07353	.06108	.06151	.06647	.07446	.02726	.06879	.08280	.07961	.06058
69B	Retail trade .....	.00392	.00212	.00461	.00206	.00503	.00374	.00594	.00809	.04267	.04932	.00173
70A	Finance .....	.02545	.01449	.01988	.01638	.02004	.02086	.01867	.01977	.02012	.01782	.01665
70B	Insurance .....	.01804	.01406	.01245	.00916	.00983	.00851	.00598	.00903	.01386	.00953	.00625
71A	Owner-occupied dwellings .....	.13065	.11458	.05115	.04278	.03187	.05476	.25721	.03552	.03136	.02964	.02288
71B	Real estate and royalties .....	.00417	.00227	.00426	.00330	.00516	.00599	.00452	.00455	.00390	.00357	.00496
72A	Hotels and lodging places .....	.00331	.00226	.00248	.00349	.00208	.00196	.00148	.00146	.00258	.00253	.00244
72B	Personal and repair services (except auto) .....	.00806	.00429	.00544	.00471	.00706	.00653	.00473	.00729	.00832	.00739	.01320
73A	Computer and data processing services, including own-account software .....	.01906	.01269	.03493	.02407	.02933	.03150	.03430	.02126	.08471	.04471	.01508
73B	Legal, engineering, accounting, and related services .....	.04835	.03202	.04288	.03291	.03948	.03534	.02765	.03027	.06430	.06054	.03886
73C	Other business and professional services, except medical .....	.01933	.00765	.00999	.01094	.00730	.00798	.00737	.00925	.01155	.01113	.01257
74	Eating and drinking places .....	.00426	.00227	.00449	.00363	.00598	.00632	.00468	.00531	.00420	.00391	.00558
75	Automotive repair and services .....	.01430	.00899	.01246	.01457	.00905	.00814	.00838	.00747	.01276	.01330	.00719
76	Amusements .....	.00437	.00218	.00395	.01049	.00183	.00253	.00216	.00195	.00260	.00252	.00272
77A	Health services .....	.02449	.00010	.00110	.00105	.00003	.00003	.00002	.00003	.00004	.00004	.00002
77B	Educational and social services, and membership organizations .....	.00340	.00189	.00524	.00199	.00491	.00648	.00228	.00230	.00222	.00201	.00266
78	Federal Government enterprises .....	.00382	.00216	.00292	.00292	.00330	.00247	.00235	.00265	.00428	.00388	

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paper-board containers and boxes	News-papers and periodicals
	Commodity number	14	15	16	17	18	19	20+21	22+23	24	25	26A
1	Livestock and livestock products	24466	.00077	.01902	.01023	.00764	.00847	.00421	.00255	.00328	.00193	.00075
2	Other agricultural products .....	.19526	.09330	.13649	.03267	.04566	.04933	.00735	.00914	.00450	.00275	.00112
3	Forestry and fishery products .....	.00918	.00061	.00096	.00131	.00482	.00133	.12047	.01197	.01060	.00517	.00144
4	Agricultural, forestry, and fishery services .....	.02880	.00720	.01162	.00429	.00559	.00521	.02710	.00458	.00395	.00252	.00157
5+6	Metallic ores mining .....	.00149	.00032	.00184	.00244	.00098	.00122	.00110	.00351	.00155	.00169	.00047
7	Coal mining .....	.00275	.00142	.00407	.0040	.00295	.00271	.0020	.0030	.00622	.0047	.00139
8	Crude petroleum and natural gas .....	.02670	.00988	.03835	.04501	.02484	.02657	.02193	.01996	.03578	.03282	.01106
9+10	Nonmetallic minerals mining .....	.00233	.00099	.00284	.00320	.00136	.00164	.00166	.00140	.00579	.00310	.00098
11	New construction, including own-account construction .....	.02554	.01091	.02465	.03106	.02204	.02047	.01855	.01814	.03044	.02513	.01638
12	Maintenance and repair construction, including own-account construction .....	.00002	.00001	.00001	.00002	.00003	.00001	.00001	.00001	.00001	.00001	.00002
13	Ordnance and accessories	1.25622	.02242	.00861	.00875	.00680	.00935	.00946	.00593	.01347	.00755	.00297
14	Food and kindred products	(*)	1.07183	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
15	Tobacco products .....	.00185	.00098	1.24167	.00294	.37920	.34082	.00180	.06352	.00525	.00271	.00093
16	Broad and narrow fabrics, yarn and thread mills .....	.00191	.00078	.00242	1.02479	.00415	.06103	.00345	.03014	.00331	.00424	.00128
17	Miscellaneous textile goods and floor coverings .....	.00026	.00014	.00411	.00165	1.28307	.03155	.00032	.00057	.00032	.00027	.00014
18	Apparel .....	.00081	.00038	.00095	.00067	.04201	1.02367	.00046	.00065	.00029	.00026	.00016
19	Miscellaneous fabricated textile products .....	.00994	.00461	.00560	.00826	.00527	.00766	1.46784	.13117	.11948	.05583	.01516
20+21	Lumber and wood products .....	.00008	.00006	.00007	.00009	.00009	.00009	.00003	1.00502	.00023	.00015	.00012
22+23	Furniture and fixtures .....	.04206	.02376	.01112	.01895	.01149	.01048	.00915	.01773	1.18947	.50975	.12930
24	Paper and allied products, except containers .....	.02959	.01767	.00582	.00756	.00545	.00475	.00661	.01828	.01841	1.01252	.00366
25	Paperboard containers and boxes .....	.00053	.00075	.00028	.00041	.00038	.00030	.00048	.00039	.00041	.00094	1.02089
26A	Newspapers and periodicals .....	.00889	.01460	.00364	.00476	.00539	.00459	.00426	.00451	.00670	.00532	.08529
26B	Other printing and publishing .....	.02639	.01266	.12512	.16728	.05356	.07564	.02088	.03225	.09419	.07483	.02640
27A	Industrial and other chemicals .....	.02005	.00858	.01504	.00694	.00563	.00621	.00894	.00240	.00294	.00192	.00073
27B	Agricultural fertilizers and chemicals .....	.01038	.01401	.21903	.29402	.09033	.11724	.01273	.03516	.04647	.02809	.00640
28	Plastics and synthetic materials .....	.00457	.00005	.00024	.00024	.00014	.00015	.00010	.00007	.00015	.00011	.00004
29A	Drugs .....	.00256	.00275	.00328	.00776	.00785	.00230	.00085	.00166	.00592	.00290	.00089
29B	Cleaning and toilet preparations .....	.00158	.00038	.00125	.00163	.00084	.00092	.00329	.01004	.00146	.00482	.00048
30	Paints and allied products .....	.02150	.00831	.01899	.02001	.01489	.01434	.02096	.01522	.01967	.02430	.00789
31	Petroleum refining and related products .....	.03754	.01346	.02174	.03251	.02184	.03283	.02061	.05555	.05268	.03142	.01024
32	Rubber and miscellaneous plastics products .....	.00026	.00006	.00038	.00026	.00889	.03009	.00011	.00161	.00008	.00008	.00007
33+34	Footwear, leather, and leather products .....	.01198	.00047	.01222	.00409	.00439	.00493	.00510	.00615	.00170	.00132	.00054
35	Glass and glass products .....	.00238	.00109	.00214	.00311	.00166	.00175	.01088	.00651	.00367	.00270	.00115
36	Stone and clay products .....	.01276	.00248	.00528	.00750	.00486	.00517	.01390	.00461	.00843	.01652	.00284
37	Primary iron and steel manufacturing .....	.01870	.00199	.00386	.00539	.00431	.00390	.00896	.02708	.00714	.00969	.00248
38	Primary nonferrous metals manufacturing .....	.02836	.00026	.00123	.00153	.00074	.00088	.00063	.00081	.00105	.00096	.00029
39	Metal containers .....	.00176	.00073	.00159	.00212	.00147	.00146	.01314	.00265	.00289	.00212	.00109
40	Heating, plumbing, and fabricated structural metal products .....	.00283	.00060	.00099	.00134	.00099	.00106	.00767	.01546	.00205	.00226	.00075
41	Screw machine products and stampings .....	.00974	.00338	.00409	.00507	.00340	.00359	.02055	.06667	.00970	.01337	.00276
42	Other fabricated metal products .....	.00060	.00024	.00055	.00064	.00049	.00060	.00070	.00061	.00067	.00064	.00032
43	Engines and turbines .....	.00135	.00045	.00099	.00076	.00055	.00055	.00066	.00050	.00082	.00060	.00022
44+45	Farm, construction, and mining machinery .....	.00028	.00011	.00026	.00029	.00025	.00022	.00057	.00030	.00033	.00028	.00013
46	Materials handling machinery and equipment .....	.00143	.00079	.00135	.00145	.00105	.00131	.00222	.00325	.00174	.00215	.00062
47	Metalworking machinery and equipment .....	.00135	.00059	.00333	.01540	.00551	.00451	.00191	.00248	.00498	.00708	.00183
48	Special industry machinery and equipment .....	.00223	.00054	.00117	.00166	.00117	.00108	.00306	.00479	.00188	.00172	.00064
49	General industrial machinery and equipment .....	.00366	.00134	.00537	.00587	.00377	.00465	.00548	.00689	.00621	.00645	.00201
50	Miscellaneous machinery, except electrical .....	.00130	.00107	.00131	.00159	.00145	.00115	.00118	.00124	.00160	.00148	.00176
51	Computer and office equipment .....	.00082	.00056	.00066	.00080	.00082	.00058	.00258	.00083	.00102	.00078	.00046
52	Service industry machinery .....	.00199	.00127	.00156	.00231	.00167	.00150	.00203	.00289	.00219	.00211	.00099
53	Electrical industrial equipment and apparatus .....	.00014	.00007	.00020	.00021	.00016	.00015	.00352	.00041	.00043	.00026	.00011
54	Household appliances .....	.00123	.00092	.00084	.00093	.00072	.00068	.00343	.00104	.00133	.00096	.00056
55	Electric lighting and wiring equipment .....	.00046	.00033	.00037	.00048	.00043	.00037	.00038	.00042	.00045	.00044	.00042
56	Audio, video, and communication equipment .....	.00446	.00254	.00374	.00452	.00427	.00355	.00435	.00438	.00475	.00444	.00334
57	Electronic components and accessories .....	.00238	.00093	.00131	.00097	.00097	.00083	.00120	.00074	.00085	.00082	.00076
58	Miscellaneous electrical machinery and supplies .....	.00005	.00002	.00004	.00004	.00004	.00012	.00009	.00004	.00005	.00005	.00003
59A	Motor vehicles (passenger cars and trucks) .....	.00418	.00175	.00305	.00337	.00290	.00262	.00917	.00347	.00398	.00394	.00274
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00032	.00021	.00028	.00032	.00042	.00032	.00028	.00032	.00030	.00036	.00022
60	Aircraft and parts .....	.00040	.00013	.00030	.00037	.00030	.00033	.00042	.00027	.00044	.00049	.00021
61	Other transportation equipment .....	.00063	.00037	.00056	.00076	.00048	.00049	.00078	.00086	.00099	.00087	.00081
62	Scientific and controlling instruments .....	.00074	.00071	.00069	.00078	.00085	.00064	.00073	.00075	.00083	.00075	.00066
63	Ophthalmic and photographic equipment .....	.00091	.00078	.00082	.00080	.01552	.00230	.00160	.00095	.00075	.00066	.00090
64	Miscellaneous manufacturing .....	.01666	.00385	.01555	.01446	.00760	.00779	.01312	.00983	.01821	.02138	.00687
65A	Railroads and related services; passenger ground transportation .....	.05042	.01535	.03521	.04781	.03481	.03446	.05158	.03867	.06016	.07894	.02330
65B	Motor freight transportation and warehousing .....	.00195	.00058	.00150	.00225	.00115	.00119	.00447	.00157	.00244	.00197	.00079
65C	Water transportation .....	.00914	.0060	.00813	.00916	.01218	.00926	.0080	.00859	.00841	.01024	.00647
65D	Air transportation .....	.00402	.00157	.00336	.00411	.00328	.00303	.00367	.0030	.00422	.00502	.00192
65E	Pipelines, freight forwarders, and related services .....	.01279	.00854	.01067	.01364	.01316	.01131	.01109	.01259	.01149	.01301	.01323
66	Communications, except radio and TV .....	.00030	.00075	.00010	.00016	.00019	.00012	.00010	.00015	.00012	.00010	.00022
67	Radio and TV broadcasting .....	.02412	.00767	.04119	.03376	.02963	.02712	.02168	.02150	.03549	.02794	.01179
68A	Electric services (utilities) .....	.01493	.00421	.02035	.02419	.01598	.01589	.00943	.01173	.0280	.01819	.00639
68B	Gas production and distribution (utilities) .....	.00633	.00215	.00637	.00807	.00451	.00544	.00489	.00458	.01004	.00719	.00273
68C	Water and sanitary services .....	.13982	.04735	.10399	.10586	.11318	.10273	.13304	.12539	.10039	.11457	.04974
69A	Wholesale trade .....	.00491	.00471	.00330	.00354	.00290	.00275	.00344	.00393	.00451	.00365	.00235
69B	Retail trade .....	.02426	.01744	.02057	.02391	.02486	.02179	.02121	.02162	.02131	.02238	.01636
70A	Finance .....	.01265	.00762	.00956	.00993	.01021	.00906	.00946	.00852	.00902	.00958	.00646
70B	Insurance											
71A	Owner-occupied dwellings .....	.05973	.02786	.04086	.03652	.04432	.04146	.03296	.03307	.02950	.03061	.04988
71B	Real estate and royalties .....	.00592	.00528	.00570	.00687	.00747	.00631	.00596	.00596	.00597	.00648	.00470
72A	Hotels and lodging places .....	.00386	.00262	.00967	.00850	.00648	.00524	.00375	.00356	.00552	.00513	.00239
72B	Personal and repair services (except auto) .....	.00953	.00680	.01047	.01275	.01023	.00901	.00919	.00916	.01234	.01202	.00983
73A	Computer and data processing services, including own-account software .....	.01772	.02071	.02244	.02848	.02029	.01988	.01801	.02131	.01774	.01650	.02185
73B	Legal, engineering, accounting, and related services .....	.04826	.03152	.04559	.04928	.11462	.04468	.04454	.04848	.04604	.04765	.06508
73C	Other business and professional services, except medical .....	.04235	.10790	.01290	.02181	.02608	.01592	.01411	.02072	.01654	.01351	.03125
73D	Advertising .....	.00632	.00550	.00652	.00756	.00876	.00742	.00683	.00701	.00653	.00707	.00498
74	Eating and drinking places .....	.01484	.00860	.01396	.01606	.01243	.01143	.01405	.01143	.01705	.01752	.00954
75	Automotive repair and services .....	.00720	.01536	.00279	.00408	.00518	.00310	.00332	.00375	.00357	.00326	.00544
76	Amusements .....	.00513	.00003	.00041	.00023	.00018	.00019	.00016	.00008	.00010	.00008	.00003
77A	Health services .....	.00315	.00285	.00317	.00367	.00360	.00849	.00541	.00419	.00387	.00325	.00261
77B	Educational and social services, and membership organizations .....	.00371	.00385	.00329	.00420	.00461	.00412	.00351	.00414	.00337	.00352	.00885
78	Federal Government enterprises .....	.00154	.00078	.00099	.00124	.0						

Total Requirements, 1996—Continued

of delivery to final demand, at producers' prices]

Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Commodity number
26B	27A	27B	28	29A	29B	30	31	32	33+34	35	36	37	38	39	40	41	42	
.00103	.00519	.00570	.00349	.00273	.00632	.00435	.00084	.00204	.04028	.00084	.00085	.00065	.00079	.00107	.00066	.00066	.00072	1
.00164	.01104	.00617	.01144	.00589	.00610	.00626	.00141	.00545	.03796	.00149	.00172	.00107	.00154	.00169	.00106	.00105	.00126	2
.00227	.00162	.0020	.00167	.00153	.00193	.00178	.00078	.01187	.00258	.00309	.00138	.00099	.00169	.00132	.00117	.00095	.00129	3
.00165	.00280	.00252	.00266	.00213	.00238	.00217	.00204	.00415	.00616	.00208	.00168	.00164	.00194	.00188	.00142	.00137	.00150	4
.00083	.01345	.00401	.00601	.00086	.00267	.00625	.00150	.00260	.00156	.00265	.00189	.03849	.05966	.03141	.01323	.01274	.01082	5+6
.00198	.00472	.00413	.00452	.00167	.00226	.00270	.00243	.00324	.00249	.00789	.00822	.02093	.00457	.00738	.00526	.00658	.00508	7
.01665	.15895	.16863	.08861	.01503	.04412	.05967	.78785	.03681	.03011	.03348	.04010	.03426	.02803	.03145	.01964	.02054	.02116	8
.00149	.01235	.04633	.00617	.00112	.00291	.00480	.00429	.00269	.00175	.01336	.06396	.00626	.0020	.00242	.0175	.00212	.00177	9+10
.01811	.03428	.03326	.03297	.01931	.02186	.02253	.05250	.02433	.02571	.02382	.02287	.02746	.02444	.02866	.01764	.02685	.01995	11
.00001	.00002	.00002	.00002	.00002	.00002	.00001	.00001	.00001	.00001	.00001	.00001	.00002	.00002	.00002	.00002	.00002	.00002	12
.00398	.01227	.02652	.00857	.01004	.02078	.01795	.00335	.00517	.17970	.00289	.00303	.00253	.00295	.00409	.00255	.00262	.00270	13
.00237	.00097	.00077	.01308	.00097	.00211	.00221	.00054	.01592	.05138	.00128	.00493	.00075	.00132	.00112	.00084	.00093	.00180	14
.00226	.00063	.00056	.00119	.00084	.00172	.00048	.00035	.01011	.02742	.00093	.00050	.00052	.00056	.00060	.00056	.00065	.00087	15
.00019	.00021	.00021	.00052	.00021	.00027	.00023	.00016	.00049	.00342	.00018	.00019	.00026	.00025	.00031	.00021	.00024	.00032	16
.00019	.00027	.00025	.00030	.00025	.00036	.00023	.00026	.00038	.00076	.00024	.00037	.00025	.00025	.00030	.00021	.00048	.00023	17
.02198	.00731	.00636	.00760	.00535	.00905	.00499	.00706	.01087	.00712	.02794	.01287	.00925	.01156	.00979	.00758	.00760	.00863	20+21
.00010	.00008	.00008	.00008	.00007	.00008	.00007	.00007	.00009	.00009	.00013	.00009	.00010	.00010	.00011	.00009	.00030	.00010	22+23
.19270	.01481	.01427	.02522	.02166	.03926	.01094	.00571	.02806	.02616	.02775	.02020	.00648	.00788	.01510	.00843	.01065	.01435	24
.00885	.00889	.00902	.00933	.01714	.04501	.00480	.00280	.01644	.01198	.04229	.00577	.00271	.00450	.00729	.00679	.00817	.00825	25
.00219	.00044	.00045	.00041	.00082	.00073	.00037	.00029	.00038	.00047	.00027	.00037	.00034	.00032	.00043	.00033	.00035	.00032	26A
1.11528	.00484	.00929	.00461	.01591	.01206	.00512	.00346	.04047	.00687	.00311	.00325	.00547	.00423	.01259	.00395	.00452	.00402	26B
.04877	1.31391	.17506	.43499	.04808	.16161	.31538	.04090	.15164	.09141	.06399	.04451	.02903	.03651	.04617	.02258	.03353	.0278	27A
.00111	.01472	.11216	.01254	.00170	.00319	.00517	.00108	.00409	.00517	.00128	.00102	.00080	.00136	.00129	.00079	.00072	.00090	27B
.01214	.01789	.00810	1.05404	.00805	.02013	.13963	.00315	.19813	.03076	.00949	.01160	.00444	.02856	.01848	.00936	.00944	.01712	28
.00007	.00104	.00186	.00043	1.11953	.00288	.00032	.00006	.00016	.00083	.00008	.00006	.00005	.00006	.00008	.00005	.00004	.00005	29A
.00129	.00331	.00643	.00726	.00182	1.05863	.00225	.00368	.00275	.00596	.00264	.00298	.00064	.00074	.00082	.00059	.00070	.00086	29B
.00073	.00689	.00189	.00366	.00074	.00227	1.01912	.00101	.00210	.00124	.00195	.00224	.00132	.00117	.03255	.00591	.00355	.00812	30
.01028	.03956	.03011	.02571	.00829	.02831	.02932	1.11057	.01635	.01945	.01671	.02527	.01926	.01844	.01991	.01279	.01315	.01286	31
.02631	.02505	.02198	.05392	.03393	.08472	.01626	.00952	.107524	.05469	.03335	.01648	.01116	.02362	.01778	.02031	.01501	.03607	32
.00015	.00007	.00007	.00009	.00007	.00010	.00006	.00006	.00021	1.34507	.00006	.00006	.00007	.00006	.00008	.00008	.00008	.00012	33+34
.00083	.00263	.00235	.00252	.00498	.00674	.00190	.0040	.00906	.00337	1.10579	.00391	.00118	.01077	.00490	.00627	.00254	.00263	35
.00151	.00441	.00422	.00325	.00167	.00235	.01583	.00693	.00394	.00261	.01706	1.12061	.02201	.00673	.00906	.00731	.00924	.00762	36
.00493	.01594	.01083	.00974	.00419	.00991	.01521	.01788	.01628	.00920	.00985	.02154	1.23584	.03389	.28067	.22839	.29378	.16572	37
.00443	.01027	.00728	.00642	.00377	.01081	.02216	.00477	.00822	.00783	.00748	.00788	.04407	1.4461	.57474	.13357	.09120	.09519	38
.00047	.00724	.00635	.00355	.00212	.01297	.03525	.00139	.00127	.00519	.00058	.00052	.00044	.00060	1.09673	.00055	.00052	.00075	39
.00138	.00256	.00236	.00217	.00124	.00151	.00151	.00322	.00234	.00165	.00198	.00286	.0030	.00270	.00285	1.03844	.00312	.00353	40
.00110	.00166	.00139	.00142	.00203	.00280	.00143	.00110	.00443	.00203	.00279	.00307	.00750	.00304	.00419	.0170	1.01949	.02401	41
.00383	.01230	.00799	.00756	.00348	.00785	.00616	.00802	.01161	.01275	.00444	.01171	.02865	.01680	.03228	.00417	.03254	1.07284	42
.00040	.00088	.00091	.00070	.00032	.00048	.00059	.00076	.00083	.00048	.00069	.00104	.00191	.00107	.00111	.00119	.00158	.00180	43
.00032	.00208	.00240	.00114	.00030	.00057	.00085	.00250	.00061	.00061	.00110	.00294	.00248	.00203	.00150	.00086	.00108	.00082	44+45
.00017	.00073	.00092	.00042	.00020	.00027	.00035	.00056	.00030	.00024	.00040	.00116	.00096	.00089	.00070	.00041	.00042	.00036	46
.00105	.00161	.00101	.00163	.00071	.00133	.00130	.00101	.00331	.00132	.00654	.00372	.01231	.01877	.01111	.01142	.02964	.00877	47
.00578	.00851	.00191	.00455	.00099	.00231	.00259	.00059	.00637	.00189	.00262	.00069	.00103	.00260	.00171	.00085	.00084	.00099	48
.00092	.00216	.00241	.00197	.00152	.00129	.00152	.00212	.00187	.00119	.00148	.00316	.02551	.01171	.01021	.00945	.01042	.00851	49
.00349	.00794	.00397	.00650	.00234	.00455	.00401	.00409	.01107	.00551	.00969	.00583	.01282	.01076	.01286	.01211	.03188	.01553	50
.00171	.00168	.00161	.00170	.00144	.00139	.00127	.00140	.00144	.00159	.00129	.00131	.00190	.00159	.00194	.00136	.00169	.00153	51
.00051	.00131	.00087	.0010	.00053	.00093	.00070	.00098	.00075	.00069	.00061	.00071	.00077	.00067	.00079	.00115	.00096	.00069	52
.00138	.00352	.00229	.00242	.00131	.00228	.00206	.00219	.00251	.00161	.00536	.00247	.01538	.00811	.00719	.00731	.00715	.01045	53
.00014	.00017	.00017	.00018	.00010	.00012	.00012	.00020	.00015	.00013	.00020	.00015	.00018	.00015	.00018	.00013	.00016	.00013	54
.00085	.00124	.00129	.00112	.00081	.00125	.00090	.00279	.00136	.00085	.00121	.00127	.00096	.00182	.00132	.00080	.00112	.00086	55
.00043	.00047	.00046	.00050	.00052	.00048	.00041	.00047	.00041	.00046	.00037	.00038	.00046	.00046	.00054	.00043	.00052	.00044	56
.00392	.00473	.00414	.00446	.00484	.00412	.00403	.00327	.00455	.00442	.00366	.00386	.00581	.0070	.00684	.00511	.00611	.00573	57
.00064	.00088	.00091	.00085	.00063	.00073	.00071	.00078	.00080	.00097	.00062	.00113	.00097	.00113	.00106	.00078	.00109	.00080	58
.00003	.00004	.00005	.00004	.00002	.00003	.00004	.00003	.00004	.00004	.00004	.00005	.00006	.00006	.00006	.00010	.00009	.00004	59A
.00270	.00335	.0040	.00334	.00194	.00258	.00297	.00256	.00299	.00307	.00320	.00459	.00408	.00396	.00432	.00308	.00643	.00285	59B
.00026	.00033	.00029	.00031	.00028	.00031	.00028	.00024	.00024	.00040	.00024	.00024	.00034	.00034	.00042	.00036	.00035	.00054	60
.00024	.00040	.00048	.00040	.00020	.00033	.00054	.00024	.00034	.00026	.00044	.00044	.00058	.00061	.00046	.00036	.00033	.00027	61
.00181	.00178	.00120	.00113	.00090	.00085	.00110	.00072	.00079	.00069	.00112	.00088	.00225	.00081	.00106	.00072	.00079	.00067	62
.00741	.00081	.00081	.00084	.00104	.00098	.00093	.00087	.00076	.00071	.00061	.00058	.00078	.00071	.00106	.00064	.00072	.00072	63
.00176	.00073	.00069	.00072	.00121	.00095	.00063	.00067	.00081	.00208	.00058	.00137	.00071	.00064	.00071	.00064	.00068	.00068	64
.00917	.01526	.01927	.01576	.00547	.01195	.02435	.00674	.01287	.00860	.01897	.01638	.02379	.01661	.01834	.01088	.01088	.00950	65A
.03637	.04667	.08460	.04788	.01576														

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances
		43	44+45	46	47	48	49	50	51	52	53	54
1	Livestock and livestock products .....	.00062	.00063	.00062	.00057	.00063	.00065	.00048	.00083	.00073	.00068	.00101
2	Other agricultural products .....	.00102	.00106	.0010	.00093	.00101	.00117	.00079	.00134	.00118	.00112	.00196
3	Forestry and fishery products .....	.00085	.00134	.00116	.00118	.00133	.00108	.00060	.00108	.00137	.00113	.00212
4	Agricultural, forestry, and fishery services .....	.00163	.00156	.00143	.00132	.00152	.00157	.00132	.00222	.00150	.00178	.00204
5+6	Metallic ores mining .....	.00956	.00720	.00798	.00654	.00685	.00630	.00751	.00303	.00832	.00796	.00774
7	Coal mining .....	.00481	.00411	.00408	.00342	.00314	.00344	.00323	.00220	.00335	.00315	.00381
8	Crude petroleum and natural gas .....	.01624	.01595	.01672	.01452	.01412	.01501	.01273	.01317	.01596	.01846	.02331
9+10	Nonmetallic minerals mining .....	.00172	.00135	.00135	.00238	.00124	.00126	.00111	.0010	.00155	.00291	.00358
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction .....	.02097	.01780	.01766	.01709	.01802	.01681	.0170	.00370	.02057	.01867	.02195
13	Ordnance and accessories .....	.00002	.00001	.00005	.00002	.00002	.00002	.00002	.00002	.00006	.00001	.00002
14	Food and kindred products .....	.00249	.00247	.00248	.00224	.00251	.00239	.00191	.00334	.00274	.00255	.00359
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00116	.00126	.00119	.00094	.00106	.00232	.00087	.00109	.00133	.00124	.00309
17	Miscellaneous textile goods and floor coverings .....	.00093	.00104	.00126	.00071	.00095	.00734	.00212	.00070	.00105	.00085	.00183
18	Apparel .....	.00072	.00024	.00025	.00028	.00039	.00025	.00015	.00033	.00027	.00022	.00030
19	Miscellaneous fabricated textile products .....	.00033	.00026	.00024	.00020	.00021	.00020	.00016	.00030	.00022	.00022	.00027
20+21	Lumber and wood products .....	.00558	.00833	.00873	.00892	.01082	.00689	.00451	.00682	.00976	.00706	.00922
22+23	Furniture and fixtures .....	.00017	.00012	.00013	.00009	.00009	.00008	.00006	.00033	.00010	.00012	.00035
24	Paper and allied products, except containers .....	.00703	.00692	.00774	.00724	.01552	.01245	.00574	.01344	.01433	.01424	.03137
25	Paperboard containers and boxes .....	.00369	.00343	.00360	.00469	.00378	.00591	.00373	.00851	.00725	.00607	.01503
26A	Newspapers and periodicals .....	.00028	.00032	.00032	.00028	.00035	.00028	.00034	.00073	.00036	.00039	.00046
26B	Other printing and publishing .....	.00384	.00404	.00445	.00331	.00402	.00379	.00311	.00684	.00419	.00417	.00589
27A	Industrial and other chemicals .....	.01510	.01822	.01503	.01916	.01525	.01511	.01021	.02133	.02170	.01980	.05075
27B	Agricultural fertilizers and chemicals .....	.00063	.00071	.00066	.00062	.00066	.00070	.00047	.00090	.00080	.00076	.00147
28	Plastics and synthetic materials .....	.00876	.01252	.00912	.00897	.00919	.01237	.00609	.01109	.01692	.01472	.05366
29A	Drugs .....	.00004	.00004	.00004	.00004	.00004	.00004	.00003	.00006	.00005	.00004	.00009
29B	Cleaning and toilet preparations .....	.00053	.00053	.00055	.00046	.00054	.00057	.00037	.00085	.00105	.00130	.0020
30	Paints and allied products .....	.00286	.00483	.00287	.00287	.00113	.00154	.00116	.00151	.00460	.00348	.00339
31	Petroleum refining and related products .....	.01136	.01084	.01262	.01010	.01031	.01072	.00880	.00987	.01097	.01464	.01520
32	Rubber and miscellaneous plastics products .....	.02690	.05304	.03197	.01825	.02951	.03651	.01231	.03703	.04237	.04063	.18087
33+34	Footwear, leather, and leather products .....	.00006	.00006	.00006	.00004	.00006	.00005	.00004	.00008	.00006	.00005	.00009
35	Glass and glass products .....	.00159	.00176	.00151	.00133	.00221	.00140	.00146	.00556	.00225	.00228	.00481
36	Stone and clay products .....	.01169	.00654	.00718	.01329	.00723	.00786	.00708	.00407	.01108	.03706	.01176
37	Primary iron and steel manufacturing .....	.20353	.16790	.17324	.11681	.10457	.11851	.10828	.02301	.10496	.08486	.11374
38	Primary nonferrous metals manufacturing .....	.07699	.03891	.06278	.05311	.08517	.06162	.01129	.04796	.11910	.09892	.09039
39	Metal containers .....	.00037	.00045	.00040	.00035	.00033	.00032	.00023	.00046	.00049	.00044	.00087
40	Heating, plumbing, and fabricated structural metal products .....	.01598	.04505	.02161	.01198	.01793	.01556	.00618	.01292	.01082	.00785	.00344
41	Screw machine products and stampings .....	.04426	.02091	.03746	.01277	.01456	.01495	.01299	.01754	.03982	.02501	.03678
42	Other fabricated metal products .....	.04945	.03022	.03750	.02028	.03871	.02312	.02391	.02536	.03168	.01610	.03022
43	Engines and turbines	1.06494	.05735	.01270	.00141	.00581	.00761	.00225	.00087	.00308	.01302	.00140
44+45	Farm, construction, and mining machinery .....	.00081	1.01962	.00101	.00066	.00054	.00062	.00058	.00040	.00060	.00064	.00071
46	Materials handling machinery and equipment .....	.00035	.00069	1.02033	.00032	.00079	.00055	.00026	.00035	.00033	.00035	.00037
47	Metalworking machinery and equipment .....	.00952	.00833	.00944	1.04971	.01216	.00949	.01651	.00390	.01020	.00632	.00684
48	Special industry machinery and equipment .....	.00066	.00085	.00159	.00107	1.06543	.00121	.00068	.00122	.00104	.00083	.00160
49	General industrial machinery and equipment .....	.02801	.03788	.07730	.01501	.03275	1.08376	.01744	.00229	.02612	.00962	.00948
50	Miscellaneous machinery, except electrical .....	.05996	.04135	.04416	.03995	.05315	.04562	1.06819	.00960	.03637	.01631	.01063
51	Computer and office equipment .....	.00196	.00143	.00151	.00123	.00285	.00141	.00112	1.19819	.00179	.00294	.00260
52	Service industry machinery .....	.00071	.00058	.00078	.00051	.00090	.00097	.00048	.00074	1.08008	.00062	.02613
53	Electrical industrial equipment and apparatus .....	.05060	.01624	.04352	.02858	.05207	.04743	.00725	.03354	.06925	1.08751	.05683
54	Household appliances .....	.00013	.00013	.00013	.00011	.00011	.00011	.00010	.00015	.00013	.00013	1.00127
55	Electric lighting and wiring equipment .....	.00095	.0010	.00084	.00098	.00084	.00078	.00091	.00343	.00804	.00316	.01578
56	Audio, video, and communication equipment .....	.00080	.00044	.00058	.00040	.00052	.00045	.00036	.01293	.00059	.00073	.00153
57	Electronic components and accessories .....	.01223	.00614	.00863	.00552	.01267	.00878	.00748	.48987	.00987	.04042	.03205
58	Miscellaneous electrical machinery and supplies .....	.01363	.00708	.00472	.00196	.00180	.00155	.00152	.00122	.00091	.00150	.00099
59A	Motor vehicles (passenger cars and trucks) .....	.00037	.00016	.00019	.00006	.00004	.00006	.00007	.00005	.00009	.00012	.00004
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00708	.00502	.00373	.00280	.00238	.00269	.00230	.00312	.00345	.00282	.00290
60	Aircraft and parts .....	.00693	.00068	.00056	.00043	.00042	.00052	.00071	.00052	.00054	.00041	.00044
61	Other transportation equipment .....	.00031	.00032	.00034	.00020	.00021	.00020	.00021	.00022	.00023	.00033	.00028
62	Scientific and controlling instruments .....	.00402	.0010	.00122	.00116	.00106	.00149	.00079	.00342	.01935	.00379	.00398
63	Ophthalmic and photographic equipment .....	.00070	.00067	.00073	.00064	.00072	.00067	.00074	.00146	.00075	.00078	.00079
64	Miscellaneous manufacturing .....	.00055	.00098	.00159	.00059	.00058	.00059	.00043	.00083	.00141	.00065	.00153
65A	Railroads and related services; passenger ground transportation .....	.00805	.00771	.00784	.00647	.00663	.00656	.00639	.00625	.00779	.00625	.01001
65B	Motor freight transportation and warehousing .....	.04066	.03652	.03342	.02794	.02767	.02644	.02385	.01843	.03138	.02906	.04242
65C	Water transportation .....	.00119	.00118	.00111	.00098	.00094	.00093	.00087	.00083	.00109	.00126	.00155
65D	Air transportation .....	.01046	.00868	.00951	.00767	.00885	.00834	.00691	.01443	.00936	.00875	.01036
65E	Pipelines, freight forwarders, and related services .....	.00307	.00275	.00275	.00227	.00238	.00232	.00202	.00270	.00267	.00260	.00336
66	Communications, except radio and TV .....	.01125	.01157	.01328	.01134	.01361	.01262	.00935	.02075	.01233	.01309	.01450
67	Radio and TV broadcasting .....	.00010	.00013	.00013	.00011	.00013	.00013	.00011	.00024	.00014	.00016	.00026
68A	Electric services (utilities) .....	.02380	.02105	.02058	.02070	.02001	.02151	.02117	.02312	.02177	.02223	.02527
68B	Gas production and distribution (utilities) .....	.01319	.01249	.01253	.01099	.01050	.01159	.01071	.00833	.01178	.01223	.01477
68C	Water and sanitary services .....	.00584	.00466	.00453	.00397	.00388	.00423	.00358	.00428	.00686	.00431	.00528
69A	Wholesale trade .....	.11691	.12170	.15523	.08986	.12620	.10980	.07641	.22541	.12724	.12393	.14017
69B	Retail trade .....	.00256	.00236	.00246	.00205	.00230	.00226	.00192	.00342	.0030	.00288	.00451
70A	Finance .....	.02113	.02011	.02028	.01715	.01888	.01857	.01678	.03125	.02186	.02175	.02367
70B	Insurance .....	.00813	.00795	.00869	.00690	.00725	.00729	.00645	.01059	.00823	.00755	.00927
71A	Owner-occupied dwellings											
71B	Real estate and royalties .....	.02539	.02358	.02769	.02561	.02932	.02412	.02714	.0490	.02552	.02754	.02924
72A	Hotels and lodging places .....	.00626	.00584	.00592	.00515	.00574	.00547	.00494	.00867	.00607	.00571	.00678
72B	Personal and repair services (except auto) .....	.00420	.00371	.00342	.00297	.00312	.00359	.00291	.00429	.00360	.00356	.00380
73A	Computer and data processing services, including own-account software .....	.01222	.01083	.00970	.00846	.00908	.00972	.00756	.02705	.01127	.00961	.01048
73B	Legal, engineering, accounting, and related services .....	.01545	.01861	.02050	.01726	.02019	.01755	.01651	.03552	.01854	.01651	.02021
73C	Other business and professional services, except medical .....	.04490	.04254	.04488	.03773	.04181	.04182	.04153	.06721	.04250	.04452	.04788
73D	Advertising .....	.01361	.01727	.01806	.01451	.01764	.01828	.01505	.03331	.01942	.02146	.03727
74	Eating and drinking places .....	.00713	.00672	.00684	.00631	.00685	.00654	.00654	.00910	.00703	.00671	.00782
75	Automotive repair and services .....	.01274	.01173	.01114	.00991	.010	.01088	.00913	.01317	.01138	.01090	.01291
76	Amusements .....	.00312	.00360	.00341	.00274	.00348	.00332	.00307	.00676	.00395	.00385	.00605
77A	Health services .....	.00003	.00003	.00003	.00003	.00003	.00003	.00002	.00003	.00003	.00003	.00004
77B	Educational and social services, and membership organizations .....	.00326	.00372	.00266	.00253	.00251	.00260	.00226	.00585	.00454	.00294	.00475
78	Federal Government enterprises .....	.00339	.00372	.00375	.00283	.00375	.00325	.00248	.00470	.00306	.00349	

Total Requirements, 1996—Continued

of delivery to final demand, at producers' prices]

Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Radio and TV broadcasting	Commodity number
55	56	57	58	59A	59B	60	61	62	63	64	65A	65B	65C	65D	65E	66	67	
.00075	.00072	.00075	.00088	.00131	.00083	.00061	.00074	.00078	.00071	.00158	.00049	.00053	.00110	.00162	.00050	.00049	.00201	1
.00137	.00124	.00133	.00163	.00351	.00148	.00122	.00144	.00165	.00123	.00432	.00089	.00077	.00155	.00187	.00079	.00084	.00355	2
.00127	.00111	.0010	.00170	.00202	.00145	.00077	.00340	.00097	.00110	.00340	.00096	.00063	.00075	.00058	.00113	.00071	.00057	3
.00157	.00181	.00248	.00235	.00208	.00181	.00189	.00206	.00162	.00132	.00196	.00143	.00093	.00127	.0010	.00102	.00122	.00275	4
.00688	.00377	.00371	.00624	.00690	.01409	.00390	.00550	.00279	.00147	.00459	.00107	.00055	.00082	.00043	.00035	.00049	.00030	5+6
.00313	.00196	.00251	.00276	.00356	.00477	.00182	.00317	.00204	.00210	.00208	.00217	.00130	.00201	.00137	.00083	.00148	.00148	7
.01839	.01156	.01426	.01767	.02108	.02017	.01042	.01518	.01037	.01389	.01804	.05362	.04987	.02617	.07520	.01497	.00591	.00759	8
.00197	.00087	.00122	.00136	.00166	.00178	.00085	.00119	.00088	.00104	.00135	.00141	.00062	.00066	.00068	.00047	.00076	.00051	9-10
.01855	.02466	.03386	.02243	.02444	.02573	.01899	.01821	.01795	.01680	.01584	.07329	.02002	.02334	.01885	.02423	.05264	.02453	11
.00001	.00006	.00002	.00004	.00002	.00002	.00066	.00001	.00014	.00001	.00001	.00001	.00002	.00005	.00004	.00013	.00002	.00012	13
.00281	.00280	.00280	.00324	.00401	.00317	.00229	.00258	.00273	.00265	.00494	.00193	.00225	.00480	.00778	.00201	.00195	.00677	14
.00167	.00184	.0010	.0020	.01553	.0020	.00312	.00321	.00585	.00114	.01896	.00068	.00065	.00253	.00050	.00111	.00064	.00107	15
.00094	.00118	.00068	.00142	.01103	.00209	.00133	.00342	.00620	.00092	.00190	.00050	.00047	.00114	.00024	.00044	.00035	.00033	16
.00023	.00024	.00025	.00026	.00127	.00030	.00032	.00037	.00055	.00017	.00517	.00067	.00021	.0030	.00023	.00021	.00083	.00078	17
.00021	.00024	.00024	.00026	.02902	.00134	.00148	.0050	.00022	.00016	.00122	.00035	.00043	.00371	.00049	.00231	.00025	.00045	18
.00709	.00711	.00665	.00847	.01075	.00990	.00448	.03538	.00619	.00754	.02613	.00939	.00423	.00551	.00390	.01186	.00675	.00455	19
.00014	.01042	.00037	.00031	.0240	.01249	.00078	.00151	.00062	.00008	.00090	.00012	.00018	.00009	.00008	.00012	.00030	.00011	20-21
.01255	.01373	.01150	.02011	.01241	.01249	.00582	.00680	.01362	.04624	.02527	.00504	.00544	.00772	.00521	.00920	.00693	.00875	22
.01734	.00631	.00548	.01612	.00757	.00876	.00272	.00349	.00761	.01348	.01971	.00163	.00244	.00177	.00151	.00375	.00177	.00184	23
.00046	.00048	.00056	.00055	.00053	.00051	.00030	.00030	.00043	.00075	.00060	.00047	.00058	.00175	.00050	.00096	.00080	.0010	24
.00463	.00482	.00497	.00474	.00620	.00602	.00337	.00360	.00438	.00389	.00683	.00607	.00603	.00752	.00544	.01178	.00809	.00738	25
.03056	.02017	.03382	.03836	.03994	.030	.01366	.01799	.01864	.04213	.04054	.01115	.00905	.00862	.00691	.00534	.00511	.00689	26A
.00102	.00078	.00096	.00121	.00137	.00099	.00064	.00088	.00074	.00096	.00150	.00067	.00042	.00059	.00047	.00036	.00038	.00166	26B
.03712	.01425	.01180	.03350	.03055	.02086	.01249	.01553	.01612	.02244	.04022	.00332	.00465	.00405	.00173	.00277	.00262	.00193	27A
.00005	.00005	.00006	.00006	.00007	.00006	.00006	.00004	.00032	.00016	.00009	.00003	.00004	.00004	.00004	.00002	.00005	.00009	27B
.00209	.00094	.00074	.00108	.00110	.00079	.00046	.00056	.00088	.00129	.00168	.00056	.00056	.00054	.00060	.00035	.00053	.00054	28
.00153	.00130	.00119	.00132	.01420	.00743	.00257	.00661	.00119	.00069	.00608	.00114	.00102	.00176	.00044	.00046	.00105	.00060	29A
.01218	.00824	.00915	.01135	.0150	.01380	.00822	.01152	.00738	.00808	.01231	.00773	.06579	.03023	.10224	.01061	.00559	.00692	29B
.04560	.03901	.02986	.08517	.09397	.0460	.02988	.03837	.03380	.03568	.04634	.01150	.02050	.01002	.00505	.00915	.00827	.00505	30
.00006	.00008	.00007	.00007	.00008	.00012	.00010	.00019	.00009	.00005	.00139	.00006	.00007	.00020	.00007	.00016	.00011	.00046	31-34
.02764	.00472	.01154	.00334	.01390	.00387	.00210	.00828	.00713	.00856	.00232	.00231	.00115	.00122	.00085	.0010	.00097	.00063	35
.01316	.00311	.00407	.00473	.00730	.00951	.00542	.00383	.00222	.00538	.00456	.00168	.00168	.00226	.00170	.00153	.00244	.00136	36
.06927	.02646	.02671	.04722	.08965	.15352	.02944	.10726	.02861	.01136	.03406	.01903	.00611	.01121	.00449	.00404	.00538	.00284	37
.09582	.04770	.05859	.09414	.06628	.14761	.05616	.04644	.01580	.06925	.00756	.00463	.00858	.00395	.00360	.00569	.00314	.0038	38
.00045	.00037	.00042	.00050	.00097	.00065	.00033	.00050	.00049	.00042	.00072	.00026	.00025	.00029	.00035	.00013	.00015	.00025	39
.00219	.01036	.00735	.00732	.00739	.01716	.00581	.02617	.00989	.00207	.00480	.00448	.00141	.00264	.00128	.00160	.00304	.00147	40
.03363	.01878	.01558	.01709	.10948	.05593	.01417	.01811	.01798	.01138	.00527	.00237	.00214	.00208	.00148	.00117	.00378	.00106	41
.02791	.02522	.04673	.03095	.03815	.03041	.02677	.02943	.02542	.00795	.01681	.00967	.00697	.01332	.00388	.00537	.00564	.00276	42
.00124	.00055	.00062	.00103	.01751	.00516	.00065	.05387	.00060	.00040	.00078	.00524	.00151	.01313	.00042	.00140	.00206	.00037	43
.00062	.00037	.00044	.00051	.00064	.00089	.00034	.00134	.00032	.00030	.00043	.00065	.00032	.00041	.00039	.00022	.00023	.00024	44-45
.00030	.00025	.00026	.00031	.00045	.00051	.00018	.00035	.00019	.00018	.00026	.00017	.00018	.00017	.00012	.00010	.00009	.00010	46
.00672	.00388	.00495	.00589	.00822	.00946	.01515	.00536	.00385	.00278	.00440	.00237	.00084	.00077	.00113	.00055	.00070	.00053	47
.00109	.00104	.00192	.00137	.00149	.00110	.00063	.00071	.00087	.0010	.00117	.00034	.00039	.00056	.00028	.00039	.00033	.00037	48
.00360	.00245	.00212	.00760	.01111	.00257	.00554	.03143	.00258	.00135	.00265	.00840	.00171	.01723	.00129	.00487	.00322	.00063	49
.01067	.00932	.01259	.01394	.03097	.05954	.02189	.01878	.00956	.00796	.01204	.00601	.00290	.00874	.00360	.00308	.00172	.00148	50
.00207	.01527	.02722	.01422	.00331	.0030	.00495	.00143	.01817	.00518	.00301	.00211	.00161	.00219	.00364	.00957	.00524	.00349	51
.00069	.00070	.00077	.00073	.01757	.00483	.00045	.00395	.00049	.00048	.00058	.00189	.00098	.00084	.00055	.00066	.00092	.00088	52
.03358	.00793	.00719	.02064	.00677	.00712	.00542	.03880	.01692	.00746	.00694	.00032	.00328	.00425	.00151	.00262	.00391	.00245	53
.00011	.00013	.00017	.00014	.00016	.00016	.00010	.00482	.00010	.00009	.00016	.00032	.00010	.00029	.00013	.00014	.00027	.00018	54
1.03152	.00887	.00343	.00435	.00719	.00230	.00103	.00425	.00391	.00094	.00102	.00201	.00119	.00078	.00072	.00067	.00185	.00112	55
.00071	1.04019	.00392	.00310	.00899	.00096	.01001	.00103	.00784	.00076	.00066	.00065	.00068	.00047	.00090	.00138	.00236	.00212	56
.02111	.38232	1.30356	.01073	.06840	.06028	.04571	.00981	.14059	.05106	.01501	.00556	.00470	.00444	.00863	.01246	.04167	.01318	57
.00094	.00562	.00093	1.02739	.02389	.02072	.00112	.00546	.00126	.00106	.00094	.00260	.00257	.00227	.00130	.00355	.00181	.00350	58
.00004	.00011	.00007	.00031	1.0041	.00787	.00004	.02587	.00003	.00003	.00015	.00055	.00015	.00045	.00002	.00003	.00003	.00004	59A
.00256	.00342	.00312	.00650	.03564	1.1176	.00209	.03923	.00195	.00195	.00248	.01139	.01470	.00249	.00166	.00304	.00216	.00276	59B
.00331	.00069	.00038	.00047	.00073	.00064	1.22098	.00093	.00164	.00024	.00028	.00027	.00049	.00029	.03525	.00035	.00024	.00024	60
.00022	.00019	.00022	.00026	.00033	.00034	.00015	.103393	.00017	.00019	.00036	.01864	.00041	.01714	.00017	.00024	.00015	.00047	61
.00126	.00912	.00687	.00681	.01074	.00194	.09215	.00615	1.03379	.00780	.00600	.00071	.00079	.00070	.00318	.00049	.00090	.00071	62
.00078	.00097	.00103	.00122	.00106	.0010	.00073	.00058	.00101	1.03839	.00088	.00067	.00103	.00119	.00079	.00172	.00111	.00173	63
.00283	.00064	.00068	.00067	.00098	.00081	.00061	.00064	.00069	1.05972	.00076	.00086	.00076	.00270	.00093	.00152	.00122	.00210	64
.00780	.00575	.00686	.00777	.01134	.01130	.00468	.00752	.00484	.00651	.00701	1.04324	.00490	.00329	.00340	.00298	.00283	.00321	65A
.02237	.01862	.01935	.03192	.04813	.04279													

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (except auto)
		68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B
1	Livestock and livestock products .....	.00045	.00049	.00059	.00079	.00057	.00041	.00055	.00036	.00048	.00147	.00075
2	Other agricultural products .....	.00089	.00113	.00136	.00116	.00088	.00057	.00073	.00140	.00139	.00250	.00149
3	Forestry and fishery products .....	.00096	.00136	.00188	.00091	.00052	.00031	.00039	.00048	.00072	.00081	.00064
4	Agriculture, forestry, and fishery services .....	.00146	.00222	.00306	.00147	.00215	.00087	.00122	.00060	.00113	.00082	.00161
5+6	Metallic ores mining .....	.00055	.00089	.00110	.00039	.00026	.00016	.00022	.00014	.00024	.00032	.00063
7	Coal mining .....	.06876	.00215	.00683	.00110	.00192	.00093	.00065	.00016	.00126	.00327	.00154
8	Crude petroleum and natural gas .....	.04024	.71328	.06408	.01094	.00858	.00542	.00477	.00208	.00723	.01448	.01219
9+10	Nonmetallic minerals mining .....	.00138	.00202	.00243	.00043	.00044	.00024	.00027	.00069	.00097	.00091	.00056
11	New construction, including own-account construction											
12	Maintenance and repair construction, including own-account construction .....	.08791	.13741	.12552	.01386	.02170	.01128	.01282	.05005	.06708	.04311	.01817
13	Ordinance and accessories .....	.00001	.00001	.00002	.00002	.00002	.00002	.00002	(*)	.00001	.00003	.00002
14	Food and kindred products .....	.00180	.00181	.00199	.00345	.00231	.00174	.00238	.00041	.00128	.00060	.00267
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00072	.00042	.00082	.00096	.00057	.00037	.00035	.00012	.00027	.00366	.00537
17	Miscellaneous textile goods and floor coverings .....	.00039	.00049	.00075	.00043	.00040	.00020	.00022	.00018	.00029	.00108	.00105
18	Apparel .....	.00017	.00012	.00035	.00099	.00019	.00011	.00013	.00002	.00009	.00137	.00582
19	Miscellaneous fabricated textile products .....	.00028	.00027	.00035	.00058	.00023	.00049	.00033	.00009	.00019	.00050	.00326
20+21	Lumber and wood products .....	.01005	.01497	.01996	.00895	.00453	.00268	.00303	.00525	.00759	.00653	.00502
22+23	Furniture and fixtures .....	.00029	.00039	.00016	.00012	.00012	.00028	.00018	.00002	.00008	.00012	.00116
24	Paper and allied products, except containers .....	.00331	.00388	.00534	.01463	.01586	.00839	.00814	.00096	.00388	.01009	.01316
25	Paperboard containers and boxes .....	.00109	.00127	.00211	.00763	.00270	.00120	.00128	.00033	.00062	.00356	.00302
26A	Newspapers and periodicals .....	.00022	.00022	.00041	.00088	.00063	.00103	.00055	.00005	.00021	.00117	.00073
26B	Other printing and publishing .....	.00297	.00294	.00440	.01554	.00596	.01201	.01303	.00072	.00319	.00671	.01440
27A	Industrial and other chemicals .....	.00919	.01454	.02855	.00643	.00482	.00316	.00367	.00153	.00342	.00691	.01143
27B	Agricultural fertilizers and chemicals .....	.00060	.00072	.00167	.00128	.00049	.00025	.00030	.00205	.00125	.00337	.00055
28	Plastics and synthetic materials .....	.00212	.00231	.00468	.00282	.00228	.00115	.00162	.00065	.00134	.00356	.00551
29A	Drugs .....	.00002	.00003	.00006	.00011	.00002	.00002	.00002	.00001	.00002	.00005	.00006
29B	Cleaning and toilet preparations .....	.00038	.00047	.00076	.00124	.00062	.00031	.00033	.00009	.00033	.00162	.01212
30	Paints and allied products .....	.00103	.00155	.00184	.00041	.00044	.00023	.00053	.00062	.00079	.00063	.00072
31	Petroleum refining and related products .....	.00298	.01664	.05238	.01065	.00919	.00486	.00464	.00198	.00573	.00947	.00911
32	Rubber and miscellaneous plastics products .....	.00061	.00073	.01634	.00901	.00297	.00517	.00202	.00417	.00906	.01212	.00946
33+34	Footwear, leather, and leather products .....	.00008	.00006	.00006	.00009	.00045	.00010	.00009	.00001	.00005	.00042	.00036
35	Glass and glass products .....	.00068	.00074	.00172	.00093	.00046	.00041	.00080	.00018	.00042	.00432	.00094
36	Stone and clay products .....	.00486	.00767	.00871	.00122	.00126	.00071	.00080	.00194	.00369	.00302	.00654
37	Primary iron and steel manufacturing .....	.00710	.01701	.01128	.00360	.00280	.00161	.00223	.00172	.00289	.00331	.00184
38	Primary nonferrous metals manufacturing .....	.00525	.00558	.00829	.00452	.00245	.00159	.00221	.00141	.00246	.00281	.00727
39	Metal containers .....	.00018	.00022	.00035	.00099	.00013	.00009	.00012	.00005	.00010	.00026	.00033
40	Heating, plumbing, and fabricated structural metal products .....	.00484	.00710	.00678	.00124	.00131	.00070	.00082	.00271	.00343	.00226	.00142
41	Screw machine products and stampings .....	.00178	.00123	.00290	.00105	.00082	.00056	.00092	.00027	.00064	.00096	.00279
42	Other fabricated metal products .....	.00407	.00794	.00863	.00330	.00291	.00191	.00268	.00138	.00260	.00314	.00588
43	Engines and turbines .....	.00425	.00066	.00141	.00038	.00067	.00028	.00038	.00009	.00027	.00048	.00040
44+45	Farm, construction, and mining machinery .....	.00061	.00228	.00030	.00023	.00012	.00012	.00012	.00008	.00003	.00007	.00014
46	Materials handling machinery and equipment .....	.00404	.00437	.00023	.00114	.00011	.00010	.00009	.00003	.00007	.00014	.00012
47	Metalworking machinery and equipment .....	.00112	.00115	.00120	.00091	.00049	.00032	.00038	.00015	.00034	.00059	.00089
48	Special industry machinery and equipment .....	.00023	.00029	.00047	.00057	.00043	.00026	.00033	.00006	.00020	.00048	.00108
49	General industrial machinery and equipment .....	.00251	.00213	.00226	.00080	.00061	.00050	.00055	.00031	.00061	.00085	.00131
50	Miscellaneous machinery, except electrical .....	.00142	.00332	.00772	.00293	.00187	.00083	.00098	.00029	.00081	.00155	.00313
51	Computer and office equipment .....	.00175	.00274	.00150	.00295	.00159	.00382	.00063	.00022	.00072	.00193	.00947
52	Service industry machinery .....	.00368	.00272	.00409	.00075	.00071	.00029	.00044	.00070	.00112	.00098	.00435
53	Electrical industrial equipment and apparatus .....	.00026	.00039	.00043	.00125	.00098	.00084	.00099	.00047	.00104	.00162	.00301
54	Household appliances .....	.00233	.00378	.00328	.00081	.00089	.00040	.00055	.00081	.00125	.00119	.00102
55	Electric lighting and wiring equipment .....	.00050	.00072	.00109	.00103	.00056	.00071	.00082	.00022	.00049	.00073	.00083
56	Audio, video, and communication equipment .....	.00284	.00340	.00669	.01694	.00353	.00509	.00483	.00054	.00172	.00376	.00206
57	Miscellaneous electrical machinery and supplies .....	.00138	.00120	.00283	.00125	.00112	.00110	.00175	.00021	.00055	.00095	.00115
58A	Motor vehicles (passenger cars and trucks) .....	.00004	.00003	.00001	.00004	.00005	.00002	.00005	.00001	.00002	.00003	.00003
58B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00261	.00236	.00453	.00423	.00539	.00204	.00414	.00042	.00204	.00310	.00293
59	Aircraft and parts .....	.00020	.00029	.00029	.00027	.00019	.00020	.00028	.00003	.00013	.00027	.00021
60	Other transportation equipment .....	.00079	.00026	.00084	.00016	.00015	.00015	.00020	.00004	.00015	.00024	.00015
61	Scientific and controlling instruments .....	.00109	.00095	.00136	.00050	.00047	.00029	.00082	.00021	.00054	.00072	.00201
62	Optical and photographic equipment .....	.00040	.00064	.00081	.00174	.00093	.00173	.00247	.00013	.00059	.00121	.01044
63	Miscellaneous manufacturing .....	.00074	.00091	.00108	.00137	.00121	.00128	.00026	.00071	.00190	.00190	.00160
64	Railroads and related services; passenger ground transportation .....	.02949	.00436	.00729	.00301	.00293	.00247	.00336	.00056	.00226	.00403	.00325
65A	Motor freight transportation and warehousing .....	.01296	.01174	.01720	.01066	.00864	.01565	.01106	.00269	.00615	.01365	.01390
65B	Water transportation .....	.00506	.00117	.00521	.00064	.00068	.00121	.00065	.00014	.00051	.00084	.00065
65C	Air transportation .....	.00514	.00838	.00751	.00787	.00532	.0060	.00830	.00076	.00385	.00783	.00596
66	Pipelines, freight forwarders, and related services .....	.00257	.01367	.01314	.00213	.00131	.00142	.00153	.00025	.00098	.01634	.00161
67	Communications, except radio and TV .....	.00707	.00942	.02252	.02794	.01742	.02465	.03535	.00202	.01202	.02237	.02186
68	Radio and TV broadcasting .....	.00004	.00006	.00008	.00024	.00039	.00018	.00017	.00001	.00009	.00019	.00024
68A	Electric services (utilities)	1.00916	.01805	.02518	.01236	.00398	.00742	.00597	.00140	.01321	.04270	.01745
68B	Gas production and distribution (utilities) .....	.04332	1.32069	.03861	.00568	.00532	.00338	.00235	.00077	.00513	.01306	.00918
68C	Water and sanitary services .....	.00381	.00387	1.03612	.00333	.00482	.0040	.00242	.00061	.00798	.01612	.00727
69A	Wholesale trade .....	.02499	.00340	.05287	1.04486	.01646	.01377	.01488	.00577	.01173	.02353	.04380
69B	Retail trade .....	.00513	.00890	.01148	.00392	1.00529	.00131	.00185	.00293	.00404	.00450	.00263
70A	Finance .....	.02472	.02620	.02538	.02055	.02866	1.22918	.12019	.02566	.01634	.07466	.02018
70B	Insurance .....	.00654	.00868	.01579	.00742	.00802	1.38684	.01027	.00467	.00740	.00707	.00707
71A	Owner-occupied dwellings							1.00000				
71B	Real estate and royalties .....	.02966	.15072	.04503	.04734	.08319	.04954	.06394	.03958	1.07367	.08105	.07559
72A	Hotels and lodging places .....	.00343	.00479	.00421	.00523	.00446	.00422	.00731	.00050	.00334	1.00627	.00438
72B	Personal and repair services (except auto) .....	.00146	.00149	.00365	.00394	.00441	.00204	.00245	.00033	.00287	.00910	.01460
73A	Computer and data processing services, including own-account software .....	.01342	.00984	.00921	.01635	.01107	.03094	.01658	.00141	.00382	.01374	.01052
73B	Legal, engineering, accounting, and related services .....	.02309	.05597	.04509	.02289	.01768	.04192	.05482	.00963	.02570	.02409	.05012
73C	Other business and professional services, except medical .....	.03150	.03810	.04644	.04773	.05947	.08652	.08320	.01121	.04269	.11668	.05494
74	Advertising .....	.00521	.00748	.00958	.03211	.05498	.02447	.02171	.00180	.01245	.02553	.03286
75	Eating and drinking places .....	.00418	.00514	.00479	.00555	.00555	.00437	.00758	.00063	.00346	.00814	.00501
76	Automotive repair and services .....	.00552	.00809	.02505	.01272	.00974	.00638	.02645	.00151	.01062	.01151	.01017
77A	Amusements .....	.00172	.00266	.00262	.00658	.00842	.00467	.00515	.00046	.00259	.00507	.00558
77B	Health services .....	.00002	.00002	.00013	.00003	.00002	.00002	.00002	.00001	.00002	.00005	.00003
77C	Educational and social services, and membership organizations .....	.00689	.00275	.00262	.00358	.00225	.00380	.00350	.00032	.00172	.00401	.00538
78	Federal Government enterprises .....	.00438	.00419	.00497	.00849	.00787	.03422	.01463	.00119	.00434	.00867	.00798
79	State and local government enterprises .....	.00134	.00099	.00504	.00088	.0010	.00061	.00047	.00010	.		

Total Requirements, 1996—Continued
of delivery to final demand, at producers' prices]

Computer and data processing services, including own-account software	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Auto-motive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used, and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment	Commodity number
73A	73B	73C	73D	74	75	76	77A	77B	78	79	80	81	82	83	84	85	
.00052	.00039	.00076	.00102	.05137	.00058	.00375	.00276	.00403	.00227	.00060							1
.00080	.00057	.00078	.00165	.04796	.00099	.00688	.00329	.00424	.00258	.00176							2
.00051	.00031	.00038	.00113	.00983	.00076	.00071	.00077	.00112	.00094	.00198							3
.00177	.00129	.00098	.00163	.00957	.00155	.00454	.00318	.00365	.00108	.00548							4
.00055	.00016	.00035	.00052	.00054	.00211	.00032	.00051	.00040	.00063	.00104							5+6
.00092	.00070	.00069	.00131	.00240	.00184	.00186	.00152	.00141	.01015	.01287							7
.00580	.00424	.00776	.00970	.01502	.01831	.00937	.01074	.01145	.02418	.07317							8
.00042	.00023	.00033	.00077	.0010	.00071	.00059	.00067	.00091	.00067	.00381							9+10
.01688	.00972	.00960	.01690	.02321	.01827	.02267	.01788	.05136	.03421	.20005							11
.00002	.00003	.00026	.00006	.00002	.00002	.00002	.00002	.00003	.00001	.00001							12
.00211	.00153	.00227	.00367	.25485	.00227	.01211	.01233	.01704	.01109	.00170							13
()	()	()	()	()	()	()	()	()	()	()							14
.00042	.00025	.00045	.00142	.00108	.00137	.00193	.00151	.00106	.00209	.00090							15
.00032	.00017	.00025	.00096	.00090	.00102	.00044	.00064	.00056	.00090	.00083							16
.00016	.00011	.00044	.00043	.00025	.00053	.00148	.00152	.00068	.00028	.00057							17
.00017	.00014	.00018	.00034	.00097	.00126	.00068	.00150	.00063	.00312	.00035							18
.00429	.00264	.00289	.01072	.00575	.00458	.00516	.00399	.00998	.00592	.02191							19
.00014	.00012	.00010	.00013	.00012	.00170	.00011	.00014	.00015	.00756	.00013							20+21
.01629	.00752	.00955	.07827	.01826	.00867	.00957	.01064	.02039	.00861	.00520							22+23
.00212	.00129	.00291	.00412	.01049	.00331	.00240	.00352	.00343	.00407	.00169							24
.00064	.00079	.00066	.00592	.00048	.00071	.00105	.00092	.00426	.00032	.00030							25
.01312	.01090	.00908	.06278	.00812	.00643	.00775	.00842	.04938	.01373	.00447							26A
.00659	.00328	.00884	.02048	.01118	.01270	.00689	.02645	.00876	.00776	.02469							26B
.00045	.00028	.00034	.00088	.00546	.00056	.00322	.00107	.00120	.00051	.00301							27A
.00299	.00122	.00207	.00584	.00493	.00797	.00239	.00499	.00331	.00259	.00376							27B
.00003	.00002	.00005	.00005	.00003	.00003	.00017	.02089	.00034	.00006	.00007							28
.00043	.00041	.00151	.00083	.00102	.00119	.00070	.00163	.00127	.00121	.0010							29A
.00042	.00023	.00046	.00063	.00068	.00320	.00081	.00048	.00098	.00072	.00228							29B
.00006	.00388	.00768	.00723	.01158	.01856	.00812	.00691	.01020	.02766	.05035							30
.00889	.00366	.00687	.01167	.01857	.02849	.00597	.01807	.00966	.00574	.01108							31
.00008	.00016	.00023	.00020	.00014	.00014	.00089	.00016	.00060	.00067	.00006							32
.00128	.00102	.00138	.00070	.00437	.00603	.00064	.00297	.00212	.00155	.00155							33+34
.00129	.00077	.00112	.00125	.00295	.00268	.00133	.00194	.00250	.00195	.01425							35
.00455	.00165	.00374	.00371	.00499	.02489	.0030	.00333	.00412	.00692	.01162							36
.00773	.00162	.00310	.00431	.00583	.02102	.00322	.00310	.00374	.00649	.00913							37
.00016	.00009	.00025	.00028	.00587	.00032	.00039	.00052	.00053	.00035	.00035							38
.00203	.00064	.00082	.00121	.00142	.00293	.00139	.00123	.00272	.00218	.01007							39
.00253	.00058	.00126	.00105	.00141	.01668	.00108	.00175	.00135	.00250	.00216							40
.00549	.00198	.00280	.00306	.00390	.01717	.00302	.00320	.00423	.00358	.00737							41
.00034	.00025	.00083	.00042	.00044	.00662	.00037	.00034	.00039	.00224	.00194							42
.00016	.00012	.00038	.00024	.00053	.00031	.00031	.00024	.00031	.00073	.00273							43
.00012	.00009	.00060	.00016	.00017	.00017	.00011	.00012	.00013	.00028	.00028							44+45
.00085	.00046	.00227	.00085	.00066	.00212	.00053	.00056	.00067	.00088	.00125							46
.00049	.00038	.00202	.00205	.00145	.00074	.00036	.00055	.00066	.00034	.00043							47
.00070	.00047	.00206	.00087	.00206	.00383	.00064	.00065	.00081	.00202	.00238							48
.00221	.00120	.00283	.00228	.00195	.01020	.00148	.00166	.00187	.00456	.01224							49
.08366	.00452	.00372	.00269	.00120	.00221	.00170	.00460	.00240	.00093	.00119							50
.00042	.00030	.00070	.00057	.00076	.00675	.00125	.00068	.00112	.00103	.00737							51
.00487	.00098	.00443	.00180	.00123	.00512	.00114	.00153	.00149	.00129	.00876							52
.00011	.00006	.00010	.00012	.00017	.00021	.00014	.00015	.00029	.00012	.00066							53
.00080	.00037	.00089	.00073	.00109	.00381	.00161	.00171	.00215	.00127	.00447							54
.00183	.00070	.00061	.00132	.00046	.00069	.00061	.00075	.00091	.00036	.00116							55
.09263	.00508	.00784	.00697	.00338	.01258	.00395	.00735	.00551	.00318	.00434							56
.00459	.00197	.00161	.00146	.00114	.00710	.00619	.00098	.00127	.00261	.00261							57
.00003	.00002	.00006	.00003	.00004	.00126	.00005	.00003	.00004	.00018	.00010							58
.00224	.00170	.00346	.00285	.00408	.11724	.00312	.00291	.00368	.02153	.00686							59A
.00026	.00020	.00027	.00022	.00025	.00037	.00023	.00027	.00024	.00084	.00018							59B
.00015	.00018	.00011	.00033	.00023	.00019	.00082	.00017	.00026	.00098	.00162							60
.00141	.00047	.00087	.00086	.00049	.00143	.00054	.00121	.00157	.00051	.00206							61
.00176	.00272	.00309	.00354	.00066	.00115	.00119	.00280	.00283	.00071	.00064							62
.00129	.00143	.00202	.00282	.00233	.00112	.00339	.00108	.00443	.00088	.00134							63
.00297	.00203	.00322	.00514	.00708	.00511	.00329	.00374	.00376	.01236	.00995							64
.00820	.00704	.00971	.01805	.02491	.01915	.00931	.01054	.01336	.03311	.02164							65A
.00051	.00050	.00051	.00067	.00125	.00099	.00061	.00076	.00090	.02871	.00654							65B
.00744	.00591	.00718	.00639	.00735	.00835	.00629	.00729	.00684	.02474	.00454							65C
.00133	.00108	.00145	.00169	.00232	.00367	.00141	.00157	.00171	.00569	.00392							65D
.03309	.02091	.02076	.02216	.01211	.02041	.01751	.01854	.01950	.00999	.01257							65E
.00014	.00007	.00010	.00070	.00024	.00020	.00034	.00010	.00024	.00005	.00007							66
.00960	.00735	.0070	.01285	.02805	.01631	.02349	.01733	.01539	.01053	.04132							67
.00323	.00240	.00333	.00554	.01060	.00841	.00550	.00695	.00684	.00890	.05239							68A
.00236	.00181	.00209	.00299	.00870	.00585	.00473	.00521	.00548	.00936	.01541							68B
.05491	.01423	.02230	.04188	.08564	.06716	.03348	.03538	.03637	.03215	.04340							68C
.00176	.00123	.0030	.00236	.00387	.00783	.00291	.00235	.00475	.00265	.01084							69A
.02038	.02125	.01729	.01792	.02257	.07069	.02007	.01681	.03117	.02014	.02847							69B
.00486	.00456	.00575	.00870	.00745	.01051	.00684	.01018	.00784	.00759	.00743							70A
																	70B
																	71A
.09916	.06774	.03816	.04856	.07432	.06976	.09074	.08565	.12677	.03239	.05089							71B
.00485	.0060	.00562	.00484	.00519	.00567	.00490	.00598	.00522	.00190	.00265							72A
.00366	.00192	.00299	.00390	.00444	.01148	.00463	.00394	.00386	.00135	.00260							72B
1.09729	.02258	.01690	.01254	.00856	.01513	.00977	.01376	.01848	.00671	.00825							73A
.02796	1.08858	.02802	.03156	.02002	.02549	.03759	.02834	.02858	.01285	.05151							73B
.06792	.11867	1.07606	.06893	.05035	.05312</												

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction, including own-account construction	Maintenance and repair construction, including own-account construction
		1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	1.18689	.00440	.05279	.05042	.00092	.00077	.00051	.00057	.00104	.00114
2	Other agricultural products .....	.42238	1.04336	.28446	.16890	.00207	.00194	.00117	.00108	.00568	.00641
3	Forestry and fishery products .....	.00250	.00088	.78717	.00193	.00104	.00080	.00051	.00043	.00506	.00683
4	Agricultural, forestry, and fishery services .....	.08416	.06886	.20780	.96208	.00317	.00198	.00209	.00125	.00532	.00614
5+6	Metallic ores mining .....	.00097	.00069	.00060	.00064	1.13687	.00202	.00113	.00253	.00254	.00223
7	Coal mining .....	.00301	.00133	.00102	.00101	.00758	1.11364	.00207	.00734	.00195	.00185
8	Crude petroleum and natural gas .....	.03820	.04122	.03544	.02906	.04495	.03784	1.32677	.05271	.02194	.02770
9+10	Nonmetallic minerals mining .....	.00430	.00726	.00352	.00538	.00501	.00225	.00155	1.03419	.01201	.01253
11	New construction, including own-account construction									1.0004	
12	Maintenance and repair construction, including own-account construction .....	.03960	.02581	.03738	.02015	.0420	.01875	.05940	.02218	.01182	1.01134
13	Ordinance and accessories .....	.00004	.00003	.00003	.00003	.00006	.00005	.00003	.00005	.00010	.00008
14	Food and kindred products .....	.30404	.00437	.06023	.01921	.00348	.00265	.00183	.00233	.00252	.00254
15	Tobacco products	(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00310	.00409	.00286	.00234	.00074	.00066	.00036	.00069	.00250	.00228
17	Miscellaneous textile goods and floor coverings .....	.00386	.00264	.00505	.00309	.00045	.00056	.00027	.00041	.00297	.00281
18	Apparel .....	.00036	.00025	.00029	.00025	.00015	.00042	.00010	.00014	.00026	.00026
19	Miscellaneous fabricated textile products .....	.00107	.00178	.00153	.00205	.00019	.00021	.00015	.00016	.00084	.00096
20+21	Lumber and wood products .....	.01046	.00932	.00684	.00435	.01325	.00863	.00681	.00379	.07534	.10308
22+23	Furniture and fixtures .....	.00018	.00011	.00011	.00010	.00018	.00017	.00010	.00016	.00316	.00059
24	Paper and allied products, except containers .....	.01994	.01016	.00956	.00775	.00497	.00466	.00294	.00470	.01231	.01005
25	Paperboard containers and boxes .....	.01205	.00896	.00687	.00732	.00227	.00213	.00096	.00172	.00396	.00366
26A	Newspapers and periodicals .....	.00517	.00212	.00274	.00302	.00198	.00221	.00195	.00355	.00310	.00296
26B	Other printing and publishing .....	.01014	.00450	.00634	.00549	.00426	.00463	.00366	.00467	.00645	.00589
27A	Industrial and other chemicals .....	.02211	.02270	.01519	.02280	.06988	.02591	.01784	.02949	.01942	.01863
27B	Agricultural fertilizers and chemicals .....	.04208	.08258	.04132	.09256	.00232	.00117	.00082	.0010	.00165	.00180
28	Plastics and synthetic materials .....	.00776	.00587	.00492	.00519	.00712	.00662	.00224	.00492	.00964	.00968
29A	Drugs .....	.00653	.00139	.00113	.00180	.00057	.00023	.00016	.00025	.00021	.00020
29B	Cleaning and toilet preparations .....	.00326	.00276	.00253	.0030	.00128	.00077	.00053	.00075	.00127	.00133
30	Paints and allied products .....	.00105	.00064	.00077	.00077	.00123	.00088	.00084	.00077	.00924	.00973
31	Petroleum refining and related products .....	.03441	.03321	.03432	.01896	.03867	.04048	.01309	.04362	.02137	.02942
32	Rubber and miscellaneous plastics products .....	.02340	.01177	.00932	.00792	.01523	.02332	.00446	.01687	.02963	.03163
33+34	Footwear, leather, and leather products .....	.00089	.00009	.00013	.00014	.00005	.00005	.00004	.00004	.00012	.00011
35	Glass and glass products .....	.00372	.00072	.00126	.00111	.00086	.00097	.00054	.00108	.00488	.00263
36	Stone and clay products .....	.00317	.00306	.00249	.00179	.00750	.01033	.00613	.00235	.06495	.03730
37	Primary iron and steel manufacturing .....	.00973	.00580	.00577	.00429	.05164	.02627	.02469	.03032	.03588	.03014
38	Primary nonferrous metals manufacturing .....	.00831	.00347	.00428	.00315	.00834	.00955	.00439	.00705	.02710	.02450
39	Metal containers .....	.00715	.00069	.00183	.00104	.00060	.00034	.00021	.00034	.00059	.00061
40	Heating, plumbing, and fabricated structural metal products .....	.00290	.00194	.00231	.00137	.01373	.00823	.00374	.00823	.05555	.04661
41	Screw machine products and stampings .....	.00222	.00095	.00118	.00092	.00386	.00960	.00108	.00327	.00504	.00428
42	Other fabricated metal products .....	.00978	.00628	.00526	.00475	.00586	.00889	.00838	.00528	.02721	.02304
43	Engines and turbines .....	.00078	.00050	.00165	.00040	.00584	.00932	.00079	.00588	.00115	.00095
44+45	Farm, construction, and mining machinery .....	.00349	.00337	.00309	.00178	.02966	.05647	.00356	.03283	.00343	.00289
46	Materials handling machinery and equipment .....	.00030	.00023	.00017	.00018	.00011	.00708	.00062	.01294	.00359	.00049
47	Metalworking machinery and equipment .....	.00158	.00096	.00082	.00058	.00279	.00242	.00094	.00173	.00308	.00244
48	Special industry machinery and equipment .....	.00081	.00049	.00049	.00049	.00103	.00087	.00034	.00082	.00099	.00088
49	General industrial machinery and equipment .....	.00227	.00155	.00156	.00096	.00794	.01675	.00251	.01145	.01026	.00527
50	Miscellaneous machinery, except electrical .....	.00388	.00286	.00230	.00205	.00694	.01246	.00372	.00549	.00529	.00401
51	Computer and office equipment .....	.00169	.0010	.00107	.00094	.00119	.00114	.00090	.00118	.00193	.00162
52	Service industry machinery .....	.00096	.00059	.00096	.00061	.00099	.00091	.00104	.00086	.01420	.01371
53	Electrical industrial equipment and apparatus .....	.00201	.00126	.00142	.00094	.00513	.00663	.00235	.00688	.01004	.00762
54	Household appliances .....	.00019	.00013	.00015	.00011	.00019	.00014	.00020	.00011	.00216	.00256
55	Electric lighting and wiring equipment .....	.00179	.00106	.00122	.00133	.00114	.00161	.00363	.00089	.01687	.01499
56	Audio, video, and communication equipment .....	.00065	.00039	.00043	.00039	.00046	.00038	.00043	.00041	.00471	.00371
57	Electronic components and accessories .....	.00484	.00290	.00285	.00260	.00291	.00306	.00183	.00305	.00638	.00547
58	Miscellaneous electrical machinery and supplies .....	.00536	.00495	.00255	.00230	.00121	.00147	.00064	.00183	.00347	.00269
59A	Motor vehicles (passenger cars and trucks) .....	.00018	.00011	.00019	.00014	.00020	.00031	.00007	.00025	.00019	.00019
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00492	.00340	.00556	.00410	.00418	.00473	.00192	.00632	.00458	.00470
60	Aircraft and parts .....	.00031	.00019	.00037	.00056	.00048	.00066	.00023	.00046	.00034	.00030
61	Other transportation equipment .....	.00060	.00022	.00055	.00021	.00061	.00114	.00019	.00044	.00076	.00073
62	Scientific and controlling instruments .....	.00132	.00065	.00186	.00104	.00110	.00090	.00063	.00076	.00493	.00402
63	Ophthalmic and photographic equipment .....	.00084	.00051	.00059	.00074	.00057	.00070	.00055	.00046	.00096	.00083
64	Miscellaneous manufacturing .....	.00182	.00106	.00094	.00087	.00095	.00096	.00073	.00101	.00449	.00415
65A	Railroads and related services; passenger ground transportation .....	.02230	.00540	.00537	.00547	.01102	.03907	.00383	.00799	.00575	.00575
65B	Motor freight transportation and warehousing .....	.06297	.02721	.02129	.02640	.03244	.03149	.01111	.03317	.03798	.03595
65C	Water transportation .....	.00201	.00121	.02318	.0010	.00194	.00349	.00079	.00144	.00145	.00147
65D	Air transportation .....	.00688	.00424	.00813	.01539	.00639	.00742	.00499	.00589	.00547	.00502
65E	Pipelines, freight forwarders, and related services .....	.00666	.00315	.00454	.00392	.00412	.00469	.00245	.00430	.00324	.00331
66	Communications, except radio and TV .....	.01628	.00898	.00911	.01121	.00976	.0090	.00871	.00954	.01388	.01312
67	Radio and TV broadcasting .....	.0040	.00159	.00207	.00227	.00151	.00185	.00153	.00192	.00239	.00231
68A	Electric services (utilities) .....	.03112	.01205	.00868	.00845	.06923	.02956	.01974	.04382	.01155	.01074
68B	Gas production and distribution (utilities) .....	.01195	.01239	.00795	.00857	.02085	.00944	.07720	.03182	.00781	.00706
68C	Water and sanitary services .....	.00293	.00294	.00183	.00117	.00105	.0010	.00144	.00106	.00146	.00143
69A	Wholesale trade .....	.14837	.07353	.06108	.06151	.06647	.07446	.02726	.06879	.08280	.07961
69B	Retail trade .....	.00390	.00211	.00459	.00205	.0050	.00372	.00591	.00606	.04244	.04905
70A	Finance .....	.02826	.01627	.02233	.01923	.02182	.02246	.01792	.02124	.02263	.02043
70B	Insurance .....	.01798	.01401	.01240	.00913	.00880	.00848	.00596	.00899	.01381	.00950
71A	Owner-occupied dwellings										
71B	Real estate and royalties .....	.12830	.11252	.05024	.04202	.03130	.05378	.25257	.03489	.03080	.02911
72A	Hotels and lodging places .....	.00433	.00242	.00433	.00335	.00520	.00606	.00485	.00459	.00394	.00360
72B	Personal and repair services (except auto) .....	.00332	.00227	.00250	.00349	.00209	.00197	.00148	.00147	.00261	.00255
73A	Computer and data processing services, including own-account software .....	.00799	.00425	.00539	.00467	.00699	.00647	.00469	.00723	.00824	.00733
73B	Legal, engineering, accounting, and related services .....	.01959	.01304	.03531	.02438	.02970	.03181	.03450	.02156	.08515	.04528
73C	Other business and professional services, except medical .....	.04928	.03222	.04321	.03343	.03962	.03561	.02799	.03067	.06464	.06073
73D	Advertising .....	.00431	.00171	.00224	.00244	.00164	.00179	.00165	.00207	.00259	.00250
74	Eating and drinking places .....	.00424	.00226	.00447	.00362	.00596	.00630	.00466	.00529	.00419	.00390
75	Automotive repair and services .....	.01146	.00721	.00998	.01167	.00726	.00653	.00512	.00599	.01024	.01067
76	Amusements .....	.00433	.00216	.00391	.01037	.00182	.00251	.00214	.00193	.00258	.00250
77A	Health services .....	.02455	.00014	.00115	.00110	.00008	.00008	.00005	.00006	.00012	.00012
77B	Educational and social services, and membership organizations .....	.00351	.00193	.00529	.00205	.00495	.00652	.00232	.00235	.00229	.00207
78	Federal Government enterprises .....	.00510	.00266	.00329	.00326	.00589	.00355	.00322	.00419	.00485	.00443
79	State and local government enterprises .....	.01293	.00839	.00670	.00522	.01189	.01047	.01195	.00897	.00517	.00494
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
	Total industry output multiplier	3.03033	1.83273	2.04799	1.8163	2.00159	1.93547	2.07724	1.77371	2.07896	1.99145

* Less than .000005.

Total Requirements, 1996—Continued
of delivery to final demand, at producers' prices]

Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paper-board containers and boxes	News-papers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Industry number
13	14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	
.00063	24783	.00099	.01928	.01037	.00786	.00862	.00684	.00287	.00358	.00209	.00083	.00112	.00531	.00585	.00360	.00287	.00650	1
.00138	.19841	.00378	.13716	.03315	.04691	.04985	.03725	.01217	.00719	.00409	.00154	.00225	.01153	.00673	.01193	.00637	.00667	2
.00066	.00704	.00047	.00073	.0010	.00354	.00102	.00229	.00917	.00812	.00396	.00111	.00174	.00124	.00153	.00128	.00117	.00148	3
.00195	.02716	.00679	.01095	.00405	.00527	.00491	.00256	.00432	.00372	.00237	.00148	.00155	.00264	.00237	.00251	.00201	.00224	4
.00258	.00149	.00033	.00184	.00244	.00098	.00122	.00110	.00351	.00155	.00169	.00047	.00083	.01347	.00405	.00602	.00086	.00268	5+6
.00167	.00275	.00142	.00407	.0040	.00295	.00271	.0020	.0030	.00622	.00447	.00139	.00198	.00476	.00414	.00453	.00167	.00227	7
.01076	.02776	.01029	.03338	.04612	.02540	.02733	.02296	.02072	.03681	.03406	.01147	.01719	.16198	.17024	.09023	.01548	.04563	8
.00104	.00271	.00117	.00455	.00548	.00210	.00268	.00203	.00189	.00709	.00414	.00135	.00216	.03008	.04869	.01206	.00178	.00511	9+10
.01597	.02554	.01091	.02465	.03106	.02204	.02047	.01865	.01814	.03044	.02513	.01638	.01811	.03428	.03326	.03297	.01931	.02186	11
.01597	.02554	.01091	.02465	.03106	.02204	.02047	.01865	.01814	.03044	.02513	.01638	.01811	.03428	.03326	.03297	.01931	.02186	12
.00004	.00004	.00002	.00005	.00007	.00006	.00004	.00004	.00005	.00006	.00005	.00004	.00004	.00002	.00007	.00013	.00004	.00023	13
.00222	.12520	.00256	.00989	.01048	.00753	.01096	.00986	.00629	.01465	.00867	.00327	.00451	.02581	.02837	.01307	.01325	.02486	14
(*)	(*)	1.07144	.00001	.00002	.00001	.00001	.00001	(*)	.00005	.00003	.00001	.00001	.00013	.00002	.00004	.00001	.00002	15
.00254	.00236	.00160	1.23632	.22722	.38596	.42908	.00240	.06472	.00730	.00394	.00122	.00290	.00174	.00113	.00706	.00133	.00318	16
.00102	.00191	.00082	.00565	.95981	.00542	.06373	.00334	.02856	.00980	.00459	.00133	.00234	.00072	.00060	.00577	.00090	.00181	17
.00054	.00031	.00017	.01353	.00550	1.28049	.04336	.00036	.00116	.00045	.00033	.00016	.00024	.00025	.00023	.00127	.00023	.00039	18
.00027	.00076	.00036	.00343	.00415	.03830	.90754	.00051	.00157	.00058	.00038	.00020	.00049	.00026	.00025	.00034	.00025	.00081	19
.00684	.00999	.00461	.00564	.00827	.00529	.00783	1.45568	.13421	.11888	.05596	.01509	.02189	.00742	.00682	.00766	.00538	.00913	20+21
.00075	.00023	.00009	.00016	.00016	.00020	.00115	.00423	.98928	.00062	.00036	.00018	.00024	.00017	.00015	.00018	.00014	.00022	22+23
.00636	.04175	.02407	.01147	.03592	.01184	.01361	.01141	.01932	1.16307	.50255	.12687	.19305	.01769	.01471	.02622	.02174	.05091	24
.00390	.02948	.01754	.00582	.00758	.00547	.00479	.00672	.01823	.01930	1.00162	.00380	.00958	.00888	.0090	.00939	.01706	.04484	25
.00332	.01065	.02634	.00338	.00562	.00660	.00413	.00387	.00534	.00443	.00419	.97776	.03570	.00488	.00674	.00676	.02160	.01989	26A
.00533	.01871	.03743	.00641	.01230	.01107	.00926	.00729	.00913	.01797	.01261	.14276	1.08045	.00880	.01477	.00864	.03428	.02949	26B
.01764	.02582	.01287	.13043	.17407	.05578	.07722	.02007	.03224	.08562	.06713	.02325	.04295	1.11303	.02228	.48222	.04935	.16936	27A
.00198	.01879	.00794	.01827	.00991	.00622	.00715	.00850	.00275	.00396	.00270	.00098	.00159	.02701	1.01101	.02268	.00357	.00590	27B
.00888	.01015	.01223	.18521	.26392	.07659	.10051	.01161	.03102	.04255	.02645	.00644	.01220	.06990	.02893	.88301	.01113	.02540	28
.00033	.00509	.00028	.00123	.00148	.00069	.00072	.00034	.00033	.00062	.00062	.00022	.00039	.00866	.01607	.00338	1.09338	.02546	29A
.00064	.00339	.00290	.00533	.01011	.00827	.00354	.00123	.00206	.00682	.00363	.00112	.00173	.01463	.02863	.01513	.0080	.85330	29B
.00109	.00158	.00042	.00185	.00244	.00108	.00124	.00323	.00981	.00167	.00482	.00051	.00079	.00766	.00228	.00648	.00078	.00261	30
.00810	.02169	.00854	.02505	.02839	.01687	.01777	.02095	.01609	.02354	.02683	.00882	.01225	.10598	.04393	.04989	.01037	.03731	31
.02293	.03699	.01340	.02335	.03749	.02217	.03615	.02279	.05584	.05807	.03854	.01078	.02703	.02656	.0240	.06223	.03315	.08364	32
.00006	.00030	.00006	.00005	.00031	.00979	.02926	.00013	.00166	.00010	.00008	.00033	.00008	.00008	.00008	.00010	.00008	.00013	33+34
.00197	.01175	.00048	.01196	.00402	.00432	.00501	.00508	.00698	.00172	.00207	.00054	.00084	.00260	.00232	.00251	.00490	.00668	35
.00358	.00258	.00116	.00247	.00969	.00186	.00265	.01115	.00703	.00528	.00347	.00135	.00184	.00591	.00454	.00434	.00247	.00345	36
.02739	.01310	.00261	.00545	.00771	.00479	.00543	.01458	.06623	.00880	.01689	.00294	.00507	.01666	.01176	.01011	.00432	.01020	37
.03513	.01824	.00198	.00414	.00580	.00435	.0040	.00888	.02684	.00717	.00964	.00248	.00442	.01229	.00743	.00706	.00380	.01085	38
.00028	.02723	.00027	.00121	.00151	.00073	.00086	.00063	.00083	.00104	.00170	.00029	.00058	.00708	.00621	.00348	.00209	.01272	39
.00316	.00208	.00081	.00176	.00236	.00161	.00172	.01404	.00612	.00324	.00240	.00116	.00153	.00318	.00255	.00258	.00141	.00198	40
.01071	.00286	.00062	.00104	.00138	.00105	.00128	.00758	.01530	.00210	.00240	.00077	.00116	.00173	.00143	.00149	.00201	.00283	41
.01654	.00933	.00329	.00397	.00521	.00341	.00408	.01951	.06230	.01183	.01680	.00305	.00616	.01160	.00761	.00729	.00348	.00778	42
.00150	.00061	.00025	.00055	.00065	.00050	.00059	.00075	.00067	.00068	.00068	.00033	.00041	.00090	.00090	.00072	.00033	.00050	43
.00102	.00148	.00049	.00105	.00086	.00063	.00062	.0010	.00116	.00094	.00075	.00030	.00074	.00220	.00247	.00124	.00038	.00068	44+45
.00020	.00028	.00011	.00026	.00031	.00025	.00022	.00058	.00090	.00034	.00029	.00013	.00017	.00071	.00087	.00041	.00019	.00027	46
.00429	.00145	.00077	.00139	.00161	.00110	.00135	.00225	.00343	.00181	.00218	.00063	.00110	.00213	.00111	.00181	.00074	.00146	47
.00328	.00143	.00059	.00036	.01483	.00530	.00437	.00194	.00260	.00485	.00682	.00177	.00556	.00864	.00195	.00456	.00101	.00234	48
.00845	.00225	.00057	.00127	.00195	.00127	.00135	.00314	.00490	.00216	.00194	.00070	.00105	.00261	.00247	.00215	.00153	.00140	49
.01176	.00384	.00133	.00518	.00569	.00386	.00449	.00551	.00720	.00603	.00629	.00197	.00339	.00769	.00389	.00629	.00230	.00445	50
.00819	.00162	.00123	.00159	.00192	.00180	.00141	.00147	.00156	.00246	.0020	.00203	.00211	.00252	.00192	.00215	.00172	.00173	51
.00055	.00090	.00058	.00072	.00091	.00069	.00092	.00274	.00215	.00111	.00087	.00049	.00057	.00139	.00094	.00108	.00056	.00189	52
.01278	.00193	.00122	.00153	.00225	.00162	.00162	.0020	.00280	.00211	.00203	.00096	.00133	.00336	.00220	.00245	.00127	.00219	53
.00014	.00016	.00008	.00022	.00022	.00018	.00045	.00371	.00059	.00045	.00028	.00012	.00015	.00022	.00018	.00020	.00011	.00017	54
.00231	.00129	.00092	.00094	.00106	.00078	.00077	.00340	.00135	.00152	.00111	.00062	.00113	.00147	.00133	.00143	.00084	.00133	55
.01369	.00051	.00035	.00041	.00052	.00048	.00041	.00050	.00055	.00050	.00049	.00046	.00073	.00053	.00050	.00054	.00055	.00052	56
.07605	.00428	.00242	.00360	.00447	.00412	.00342	.00419	.00435	.00459	.00432	.00321	.00384	.00474	.00399	.00435	.00440	.00399	57
.0020	.00230	.00087	.00123	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	.00095	58
.00023	.00016	.00006	.00011	.00012	.00011	.00018	.00035	.00025	.00015	.00015	.00009	.00010	.00013	.00015	.00013	.00008	.00011	59A
.00608	.00414	.00174	.00302	.00338	.00288	.00325	.00891	.00372	.00391	.00387	.00267	.00265	.00333	.00394	.00332	.00192	.00256	59B
.09702	.00036	.00022	.00033	.00038	.00045	.00036	.00035	.00044	.00036	.00041	.00024	.00030	.00048	.00035	.00039	.00031	.00037	60
.00165	.00044	.00015	.00033	.00040	.00051	.000348	.00087	.00037	.00051	.00053	.00023	.00027	.00044	.00051	.00044	.00022	.00036	61
.09216	.00097	.00052	.00062	.00322	.00071	.00091	.00091	.00326	.00464	.00256	.00128	.00229	.00301	.00155	.00170	.00742	.00165	62
.00106	.00088	.00076	.00088	.00119	.00095	.00082	.00079	.0010	.00279	.00165	.00077	.00074	.00263	.00147	.00148	.00115	.00130	63
.00142	.00193	.00308	.00122	.00150	.01725	.00525	.01249	.00258</										

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings
		30	31	32	33+34	35	36	37	38	39	40	41
1	Livestock and livestock products .....	.00448	.00091	.00235	.04081	.00095	.00092	.00072	.00087	.00116	.00072	.00072
2	Other agricultural products .....	.00676	.00169	.00821	.03880	.00231	.00212	.00137	.00201	.00208	.00139	.00134
3	Forestry and fishery products .....	.00136	.00060	.00909	.00198	.00237	.00106	.00076	.00129	.00101	.00089	.00073
4	Agricultural, forestry, and fishery services .....	.00205	.00193	.00391	.00580	.00196	.00159	.00155	.00183	.00177	.00134	.00129
5+8	Metallic ores mining .....	.00625	.00150	.00261	.00156	.00267	.00199	.00346	.00590	.00338	.01322	.01273
7	Coal mining .....	.00271	.00244	.00324	.00249	.00789	.00822	.00292	.00457	.00738	.00525	.00657
8	Crude petroleum and natural gas .....	.06136	.84178	.03753	.03113	.03434	.04136	.03522	.02895	.03246	.02029	.02120
9+10	Nonmetallic minerals mining .....	.00917	.00543	.00477	.0030	.01434	.07209	.00585	.00261	.00315	.00221	.00251
11	New construction, including own-account construction .....	.02253	.05250	.02433	.02571	.02382	.02287	.02746	.02444	.02866	.01764	.02685
12	Maintenance and repair construction, including own-account construction .....	.00010	.00004	.00007	.00005	.00004	.00004	.00019	.00023	.00015	.00023	.00034
13	Ordnance and accessories .....	.02117	.00378	.00699	.20123	.00357	.00350	.00282	.00332	.00481	.00285	.00285
14	Food and kindred products .....	.00003	(*)	.00002	.00001	.00001	.00001	(*)	(*)	.00001	(*)	(*)
15	Tobacco products .....	.00805	.00069	.02421	.02582	.00170	.00540	.00096	.00253	.00192	.00126	.00136
16	Broad and narrow fabrics, yarn and thread mills .....	.00109	.00082	.01113	.02968	.00097	.00057	.00054	.00071	.00070	.00061	.00069
17	Miscellaneous textile goods and floor coverings .....	.00034	.00017	.01013	.01166	.00021	.00025	.00028	.00029	.00034	.00023	.00026
18	Apparel .....	.00023	.00024	.00095	.00285	.00036	.00025	.00025	.00025	.00031	.00024	.00050
19	Miscellaneous fabricated textile products .....	.00501	.00705	.01178	.00717	.03163	.01299	.00932	.01155	.00978	.00971	.00768
20+21	Lumber and wood products .....	.00021	.00013	.00094	.00035	.00441	.00035	.00033	.00045	.00110	.00103	.00074
22+23	Furniture and fixtures .....	.01202	.00588	.03663	.02686	.02781	.02053	.00671	.00813	.01529	.00876	.01092
24	Paper and allied products, except containers .....	.00488	.00280	.01878	.01201	.04192	.00577	.00272	.00452	.00992	.00677	.00816
25	Paperboard containers and boxes .....	.00615	.00340	.00413	.01085	.00320	.00351	.00388	.00332	.00475	.00380	.00458
26A	Newspapers and periodicals .....	.01076	.00620	.00769	.02252	.00590	.00621	.00851	.00685	.03143	.00705	.00831
26B	Other printing and publishing .....	.29948	.04906	.15269	.08156	.05610	.04232	.02661	.05845	.05162	.02808	.02207
27A	Industrial and other chemicals .....	.00885	.00149	.00656	.00602	.00188	.00149	.00107	.00179	.00177	.00109	.00095
27B	Agricultural fertilizers and chemicals .....	.12895	.00450	.17553	.02987	.01070	.01158	.00499	.02512	.01726	.00904	.00881
28	Plastics and synthetic materials .....	.00223	.00038	.00118	.00154	.00051	.00039	.00024	.00030	.00037	.00024	.00020
29A	Drugs .....	.00860	.00426	.00491	.00662	.00309	.00357	.00090	.00117	.00138	.00088	.00092
29B	Cleaning and toilet preparations .....	.98414	.00107	.00266	.00134	.00196	.00249	.00131	.00123	.03150	.00575	.00347
30	Paints and allied products .....	.04478	1.04245	.02395	.02315	.01955	.02848	.01969	.01930	.02118	.01355	.01357
31	Petroleum refining and related products .....	.00222	.00946	1.03709	.05561	.03625	.01655	.01193	.02563	.01997	.02332	.01969
32	Rubber and miscellaneous plastics products .....	.00006	.00006	.00055	1.28746	.00007	.00007	.00007	.00007	.00009	.00008	.00011
33+34	Footwear, leather, and leather products .....	.00188	.00392	.00964	.00334	1.07998	.0040	.00119	.01055	.00482	.00639	.00392
35	Glass and glass products .....	.01743	.00757	.00588	.0030	.02043	1.0994	.02206	.00794	.00963	.00810	.01145
36	Stone and clay products .....	.01549	.01804	.01684	.00962	.01002	.02197	1.2207	.04305	.26193	.23800	.29228
37	Primary iron and steel manufacturing .....	.02201	.00482	.00877	.00785	.01227	.00804	.04915	1.39267	.5550	.13015	.09106
38	Primary nonferrous metals manufacturing .....	.03445	.00138	.00135	.00509	.00060	.00052	.00044	.00062	1.07135	.00061	.00055
39	Metal containers .....	.00188	.00328	.00637	.0020	.00385	.00385	.00420	.00476	.00885	.99677	.00867
40	Heating, plumbing, and fabricated structural metal products .....	.00157	.00113	.00498	.00463	.00335	.00327	.00773	.00388	.00620	.01757	.97266
41	Screw machine products and stampings .....	.00613	.00751	.01355	.01797	.00491	.01257	.02846	.01744	.03136	.050	.03662
42	Other fabricated metal products .....	.00060	.00076	.00085	.00049	.00076	.00104	.00235	.00119	.00126	.00345	.00190
43	Engines and turbines .....	.00094	.00260	.00083	.00072	.00124	.00305	.00430	.00234	.00210	.00338	.01034
44+45	Farm, construction, and mining machinery .....	.00034	.00053	.00038	.00025	.00040	.00110	.00104	.00090	.00073	.00124	.00056
46	Materials handling machinery and equipment .....	.00142	.00106	.00404	.00140	.00613	.00469	.01212	.01585	.01058	.01138	.03124
47	Metalworking machinery and equipment .....	.00264	.00065	.00672	.00192	.00273	.00126	.00159	.00284	.00196	.00152	.00134
48	Special industry machinery and equipment .....	.00164	.00214	.00225	.00130	.00162	.00334	.02552	.01145	.01020	.01187	.01102
49	General industrial machinery and equipment .....	.00392	.0040	.01092	.00538	.00944	.00571	.01317	.01074	.01302	.01712	.03624
50	Miscellaneous machinery, except electrical .....	.00164	.00162	.00209	.00192	.00155	.00183	.00254	.0020	.00241	.00189	.00267
51	Computer and office equipment .....	.00075	.00103	.00102	.00076	.00086	.00080	.00121	.00083	.00099	.00619	.00227
52	Service industry machinery .....	.0020	.00231	.00249	.00156	.00507	.00261	.01459	.00774	.00686	.00711	.00759
53	Electrical industrial equipment and apparatus .....	.00130	.00021	.00020	.00015	.00139	.00017	.00023	.00021	.00022	.00074	.00174
54	Household appliances .....	.00488	.00271	.00195	.00138	.00284	.00136	.00277	.00241	.00209	.00139	.00185
55	Electric lighting and wiring equipment .....	.00046	.00051	.00048	.00051	.00042	.00068	.00056	.00065	.00062	.00101	.00073
56	Audio, video, and communication equipment .....	.00390	.00314	.00482	.00426	.00359	.00352	.00575	.00841	.00725	.00514	.00685
57	Electronic components and accessories .....	.00086	.00079	.00112	.00098	.00068	.00171	.00130	.01196	.00536	.00183	.00190
58	Miscellaneous electrical machinery and supplies .....	.00012	.00010	.00015	.00012	.00014	.00018	.00022	.00017	.00019	.00032	.00008
59A	Motor vehicles (passenger cars and trucks) .....	.00294	.00255	.00307	.00319	.00317	.00452	.00426	.00495	.00483	.00487	.00795
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	.00034	.00024	.00064	.00030	.00031	.00051	.00057	.00057	.00057	.00070	.00057
60	Aircraft and parts .....	.00056	.00027	.00056	.00029	.00048	.00048	.00064	.00047	.00051	.00051	.00056
61	Other transportation equipment .....	.00147	.00090	.00199	.00121	.00226	.00119	.00280	.00131	.00151	.00395	.00220
62	Scientific and controlling instruments .....	.00671	.00074	.00180	.00061	.00076	.00071	.00079	.00079	.00131	.00084	.00084
63	Ophthalmic and photographic equipment .....	.00141	.00101	.00272	.00790	.00076	.00178	.00117	.00108	.00136	.00133	.00133
64	Miscellaneous manufacturing .....	.02192	.00607	.01143	.00777	.01706	.01480	.02142	.01498	.01653	.00961	.01098
65A	Railroads and related services; passenger ground transportation .....	.05456	.01902	.05572	.04948	.03435	.09360	.05687	.06472	.06970	.04034	.04432
65B	Motor freight transportation and warehousing .....	.00270	.00292	.00216	.00124	.00210	.00473	.00297	.00196	.00217	.00129	.00153
65C	Water transportation .....	.00752	.00531	.00761	.01109	.00648	.00642	.00833	.00907	.01072	.00745	.00796
65D	Air transportation .....	.00571	.03081	.00475	.00470	.00368	.00649	.00499	.00513	.00579	.00353	.00381
65E	Pipelines, freight forwarders, and related services .....	.01294	.01162	.01243	.01451	.0110	.01156	.01235	.01266	.01580	.01199	.01209
66	Communications, except radio and TV .....	.00501	.00268	.00324	.00886	.00253	.00272	.00302	.00257	.00356	.0030	.00365
67	Radio and TV broadcasting .....	.01943	.02380	.02812	.01977	.03214	.02953	.04305	.04228	.04024	.02170	.02671
68A	Electric services (utilities) .....	.01943	.06836	.01765	.01545	.02958	.03127	.03359	.01953	.02402	.01489	.01706
68B	Gas production and distribution (utilities) .....	.00341	.00246	.00232	.00647	.00197	.00205	.00431	.00254	.00308	.00194	.00624
68C	Water and sanitary services .....	.10572	.07007	.08879	.12069	.08009	.06882	.14583	.15955	.16791	.12154	.12469
69A	Wholesale trade .....	.00283	.00512	.00378	.00374	.00509	.00395	.00316	.00293	.00372	.00273	.00319
69B	Retail trade .....	.02592	.02732	.02499	.02574	.02142	.02206	.02832	.02524	.0330	.02201	.02576
70A	Finance .....	.00872	.00762	.00854	.01101	.00756	.00690	.00912	.00926	.01151	.00777	.00858
70B	Insurance .....	.03398	.17792	.03434	.03754	.02717	.03066	.02983	.03045	.03714	.02937	.03001
71A	Owner-occupied dwellings .....	.00634	.00502	.00603	.00671	.00540	.00519	.00607	.00646	.00686	.00584	.00613
71B	Real estate and royalties .....	.00345	.00356	.00462	.00401	.00474	.00485	.00711	.00493	.00685	.00369	.00539
72A	Hotels and lodging places .....	.00982	.01133	.01124	.01377	.01091	.01056	.01589	.01184	.01547	.01006	.01278
72B	Personal and repair services (except auto) .....	.00368	.00367	.02553	.01942	.01634	.01812	.01968	.01880	.02327	.01704	.02263
73A	Computer and data processing services, including own-account software .....	.00437	.00401	.04835	.04879	.04150	.04269	.05471	.04816	.06105	.05340	.05490
73B	Legal, engineering, accounting, and related services .....	.00539	.00289	.00349	.00951	.00273	.00293	.00326	.00277	.00384	.00323	.00394
73C	Other business and professional services, except medical .....	.00667	.00552	.00684	.00812	.00623	.00571	.00674	.00721	.00943	.00669	.00706
74	Advertising .....	.01013	.00842	.01159	.01035	.01086	.01314	.01548	.01284	.01659	.00964	.01251
75	Eating and drinking places .....	.00486	.00304	.00343	.00641	.00252	.00270	.00325	.00295	.00447	.00293	.00369
76	Automotive repair and services .....	.00017	.00008	.00013	.00092	.00009	.00011	.00011	.00011	.00013	.00010	.00010
77A	Health services .....	.00339	.00379	.00685	.00308	.00254	.00262	.00317	.00373	.00529	.00321	.00508
77B	Educational and social services, and membership organizations .....	.00413	.00425	.00435	.00584	.00427	.00401	.00546	.00522	.00578	.00420	.00476
78	Federal Government enterprises .....	.01058	.01242	.00916	.01365	.00994	.01099	.01480	.01143			

Total Requirements, 1996—Continued
of delivery to final demand, at producers' prices]

Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Industry number
42	43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	
.00079	.00069	.00071	.00069	.00063	.00071	.00072	.00054	.00093	.00080	.00073	.00112	.00083	.00080	.00084	.00098	.00141	.00093	1
.00163	.00129	.00144	.00134	.00126	.00139	.00149	.00099	.00170	.00157	.00146	.00254	.00174	.00159	.00168	.00212	.00407	.00191	2
.00099	.00085	.00103	.00089	.00090	.00102	.00083	.00046	.00082	.00105	.00088	.00162	.00097	.00085	.00077	.00130	.00155	.00111	3
.00142	.00154	.00147	.00135	.00125	.00143	.00148	.00124	.00209	.00142	.00168	.00193	.00148	.00170	.00234	.00222	.00196	.00171	4
.01081	.00956	.00719	.00798	.00654	.00685	.00630	.00750	.00303	.00832	.00796	.00773	.00668	.00377	.00371	.00623	.00689	.01408	5+6
.00508	.00481	.00411	.00408	.00342	.00314	.00343	.00323	.00220	.00335	.00315	.00381	.00313	.00196	.00251	.00276	.00356	.00477	7
.02181	.01681	.01649	.01734	.01503	.01463	.01554	.01316	.01367	.01651	.01918	.02409	.01901	.01197	.01474	.01825	.02184	.02087	8
.00229	.00201	.00165	.00162	.00274	.00151	.00153	.00131	.00132	.00193	.00344	.00435	.00248	.00117	.00171	.00191	.00226	.00227	9+10
.01985	.02097	.01780	.01786	.01708	.01802	.01681	.0170	.03070	.02057	.01867	.02195	.01855	.02466	.03386	.02243	.02444	.02573	11
.00014	.00023	.00009	.00153	.00104	.00020	.00018	.00016	.00014	.00177	.00008	.00029	.00007	.00183	.00021	.00076	.00021	.00017	12
.00305	.00264	.00267	.00264	.00244	.00270	.00255	.00201	.00357	.00312	.00277	.00415	.00314	.00301	.00315	.00366	.00446	.00349	13
.00245	.00181	.00181	.00160	.00133	.00147	.00293	.00116	.00158	.00206	.00188	.00036	.00324	.00246	.00152	.00042	.01924	.0030	14
.00122	.00095	.00109	.00126	.00074	.00098	.00697	.00203	.00076	.00112	.00092	.00207	.00111	.00122	.00074	.00157	.01072	.00211	17
.00049	.00075	.00028	.00028	.00030	.00061	.00030	.00017	.00036	.00032	.00026	.00041	.00028	.00028	.00028	.00033	.00172	.00036	18
.00073	.00034	.00028	.00026	.00020	.00023	.00023	.00017	.00034	.00025	.00024	.00068	.00024	.00026	.00026	.00030	.00256	.00124	19
.00915	.00564	.00844	.00877	.00891	.01083	.00693	.00452	.00894	.00978	.00709	.00833	.00735	.00724	.00688	.00856	.01098	.00996	20+21
.00247	.00038	.00058	.00287	.00026	.00027	.00025	.00026	.00065	.00113	.00036	.00151	.01172	.01101	.00103	.00055	.0240	.00178	22+23
.01945	.00785	.00756	.00827	.00746	.01571	.01283	.00585	.01381	.01476	.01451	.03199	.02177	.01426	.01186	.00836	.01390	.00773	24
.00832	.00372	.00353	.00365	.00495	.00383	.00597	.00373	.00863	.00729	.00612	.01515	.01728	.00635	.00550	.01616	.00773	.00879	25
.00448	.00355	.00445	.00465	.00375	.00456	.00393	.00387	.00499	.00550	.00582	.00392	.00575	.00575	.00688	.00583	.00701	.00861	26A
.00878	.00875	.00772	.00831	.00846	.00828	.00787	.00633	.01402	.00838	.00878	.01399	.01110	.01067	.01067	.00956	.01204	.01328	26B
.03251	.01541	.01906	.01515	.01852	.01604	.01549	.01123	.02039	.02263	.02047	.05098	.03187	.01971	.03122	.03825	.03398	.03063	27A
.00129	.00080	.00092	.00084	.00082	.00082	.00117	.00058	.00111	.00110	.00099	.00221	.00146	.00101	.00130	.00135	.00186	.00735	27B
.01570	.00802	.01139	.00835	.00830	.00839	.00126	.00554	.01023	.01508	.01318	.04584	.03203	.01279	.01129	.02363	.02750	.01870	28
.00027	.00015	.00017	.00015	.00016	.00018	.00015	.00015	.00025	.00020	.00020	.00053	.00029	.00021	.00106	.00168	.00160	.00114	29B
.00123	.00070	.00074	.00077	.00067	.00073	.00077	.00048	.00155	.00149	.00149	.00306	.00241	.00131	.00131	.00139	.01382	.00725	30
.00791	.00281	.00471	.00282	.00281	.00142	.00157	.00115	.00451	.01153	.01489	.01110	.01919	.00883	.01040	.01040	.01028	.01460	31
.01389	.01150	.01133	.01267	.01054	.01051	.01080	.00882	.01042	.01183	.01489	.01110	.01919	.00883	.01040	.01040	.01028	.01460	32
.03989	.02723	.05294	.03233	.03230	.03207	.03965	.01335	.03680	.04236	.04149	.01611	.05201	.03865	.03073	.08351	.05228	.04605	32
.00022	.00008	.00008	.00007	.00005	.00011	.00007	.00005	.00008	.00008	.00007	.00013	.00008	.00008	.00008	.00010	.00009	.00013	33+34
.00272	.00186	.00181	.00156	.00146	.00221	.00143	.00146	.00550	.00234	.00233	.00487	.02738	.00469	.01133	.00337	.01397	.00436	35
.00844	.01184	.00695	.00739	.01605	.00749	.00802	.00723	.00431	.01142	.03692	.01209	.01371	.00335	.00445	.00588	.00901	.01022	36
.20025	.20317	.16780	.17282	.12254	.10532	.11894	.10914	.10561	.08509	.08509	.11405	.07817	.02743	.02847	.04837	.09084	.15513	37
.09686	.07559	.03867	.06168	.00371	.08306	.06019	.08875	.04721	.11561	.09401	.08804	.08374	.05114	.05862	.09174	.06493	.14336	38
.00104	.00038	.00046	.00041	.00036	.00034	.00033	.00024	.00047	.00050	.00044	.00088	.00047	.00038	.00043	.00052	.00098	.00066	39
.01152	.0170	.04524	.03050	.01474	.02037	.01888	.01111	.01305	.01347	.00840	.01541	.00333	.01058	.00794	.00812	.00885	.01825	40
.02626	.04286	.02125	.03666	.03507	.01467	.01628	.01534	.01708	.03885	.02420	.03795	.03303	.01829	.01541	.01677	.10594	.03750	41
.07578	.04699	.03074	.03869	.02522	.03961	.02906	.03391	.02398	.03155	.02055	.02922	.02907	.02371	.04344	.02930	.03882	.03112	42
.00217	.09330	.05314	.01269	.00213	.00647	.01157	.00480	.00139	.00411	.02881	.00225	.00172	.00070	.00076	.00153	.01696	.00786	43
.00440	.00711	.09277	.02258	.00719	.00251	.00665	.00474	.00080	.00216	.00238	.00171	.00504	.00077	.00086	.00103	.00263	.00378	44+45
.00085	.00052	.00246	.03224	.00227	.00251	.00295	.00070	.00041	.00082	.00154	.00048	.00040	.00029	.00030	.00037	.00056	.00073	46
.01183	.00980	.01484	.01397	.04914	.02043	.01184	.02557	.00399	.01038	.00751	.01150	.00731	.00391	.00510	.00614	.00852	.00982	47
.00217	.00124	.00298	.01553	.00789	.10134	.00818	.00322	.00155	.00441	.00163	.00326	.00218	.00127	.00246	.00184	.00188	.00170	48
.00912	.03911	.04090	.08747	.01986	.04475	.10265	.02266	.00269	.03324	.01396	.01040	.00482	.00271	.00273	.00788	.01182	.02653	49
.02210	.05994	.04047	.04504	.04639	.05268	.04626	.101054	.00973	.03565	.02226	.0110	.01079	.00936	.01258	.02793	.03147	.05974	50
.00237	.00307	.00203	.00221	.00196	.00363	.00205	.00174	.17033	.00252	.00715	.00435	.00392	.03634	.00881	.04201	.00705	.00632	51
.00237	.00126	.00127	.00386	.00092	.00473	.00677	.00127	.00098	.015213	.00117	.03311	.00102	.00116	.00110	.00119	.01994	.01329	52
.01009	.04939	.01606	.04161	.02830	.04905	.04934	.00703	.03298	.08575	.101741	.05480	.04163	.00667	.00988	.02588	.01715	.00789	53
.00020	.00027	.00033	.00027	.00101	.00025	.00047	.00015	.00023	.00377	.00117	.04081	.01002	.00028	.00022	.00036	.00052	.00055	54
.00274	.00201	.00162	.00212	.00277	.00191	.00187	.00644	.00482	.00854	.01121	.01587	.06478	.01086	.00594	.00528	.00819	.00534	55
.00059	.00117	.00066	.00262	.00065	.00084	.00066	.00045	.01783	.00101	.00386	.01937	.00449	.08128	.01467	.01340	.00942	.00184	56
.00760	.01193	.00601	.00849	.00580	.02332	.00868	.00737	.49575	.00986	.04238	.03077	.02503	.03591	.120787	.14336	.06208	.05635	57
.00172	.00293	.00666	.00481	.00243	.00239	.00248	.00240	.00261	.00215	.00340	.00352	.00807	.01687	.00342	.00729	.02268	.02193	58
.00032	.00121	.00144	.00061	.00088	.00023	.00026	.00024	.00027	.00052	.00042	.00043	.00039	.00034	.00027	.00059	.09843	.03122	59A
.00384	.04044	.00910	.01215	.00514	.00301	.00560	.00477	.00504	.01018	.00542	.00345	.00342	.01301	.00752	.03809	.03438	.106354	59B
.00173	.03584	.00239	.00109	.00106	.00092	.00151	.00278	.00067	.00093	.00090	.00074	.00048	.00052	.00090	.00090	.00159	.00165	60
.00038	.00273	.00338	.00396	.00068	.00064	.00048	.00105	.00041	.00049	.00317	.00048	.00036	.00026	.00029	.00096	.00088	.00131	61
.00467	.01415	.00227	.00597	.00371	.00586	.00529	.00261	.00791	.01958	.01058	.03901	.01417	.03678	.01494	.01616	.01260	.00554	62
.00080	.00085	.00080	.00084	.00071	.00109	.00105	.00077	.00642	.00096	.00090	.00124	.00098	.00131	.00124	.00660	.00145	.00123	63
.00395	.00108	.00282	.00222	.00149	.00155	.00270	.00090	.00191	.00216	.00127	.00271	.00391	.00150	.00149	.00180	.00210	.00176	64
.00893	.00727	.00696	.00707	.00583	.00598	.00591	.00576	.00563	.00703	.00743	.00903	.00703	.00518	.00618	.00701	.01023	.01019	65A
.03671	.04164	.03726	.03416	.02860	.02831	.02717	.02445											

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV
	Commodity number	60	61	62	63	64	65A	65B	65C	65D	65E	66
1	Livestock and livestock products .....	.00068	.00085	.00085	.00078	.00172	.00065	.00058	.00118	.00168	.00057	.00064
2	Other agricultural products .....	.00147	.00233	.00195	.00155	.00520	.00119	.00097	.00180	.00187	.00112	.00116
3	Forestry and fishery products .....	.00059	.00074	.00074	.00085	.00260	.00073	.00048	.00057	.00045	.00087	.00054
4	Agriculture, forestry, and fishery services .....	.00159	.00194	.00153	.00124	.00185	.00135	.00088	.00120	.00095	.00096	.00115
5+6	Metallic ores mining .....	.00390	.00549	.00279	.00147	.00459	.00107	.00065	.00083	.00043	.00035	.00049
7	Coal mining .....	.00182	.00317	.00204	.00210	.00208	.00217	.00130	.00201	.00112	.00137	.00083
8	Crude petroleum and natural gas .....	.01083	.01576	.01074	.01432	.01867	.05692	.05307	.02764	.08017	.01549	.00619
9+10	Nonmetallic minerals mining .....	.00107	.00148	.00117	.00163	.00194	.00162	.00079	.00080	.00084	.00056	.00088
11	New construction, including own-account construction .....	.01899	.01621	.01795	.01680	.01584	.07329	.02002	.02334	.01885	.02423	.05264
12	Maintenance and repair construction, including own-account construction .....	.002378	.00011	.00460	.00008	.00005	.00004	.00004	.00007	.00072	.00014	.00007
13	Ordinance and accessories .....	.00243	.00277	.00293	.00310	.00539	.00204	.00235	.00488	.00783	.00207	.0020
14	Food and kindred products	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)
15	Tobacco products	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills .....	.00376	.00429	.00685	.00209	.01859	.00085	.00088	.00301	.00061	.00142	.00077
17	Miscellaneous textile goods and floor coverings .....	.00136	.00334	.00614	.00103	.00393	.00053	.00051	.00114	.00029	.00046	.00036
18	Apparel .....	.00042	.00047	.00115	.00021	.00552	.00068	.00023	.00305	.00025	.00025	.00084
19	Miscellaneous fabricated textile products .....	.00136	.00449	.00030	.00018	.00215	.00032	.00040	.00331	.00045	.00206	.00023
20+21	Lumber and wood products .....	.00452	.03524	.00630	.00771	.02641	.00395	.00423	.00550	.00388	.01179	.00673
22+23	Furniture and fixtures .....	.00092	.00181	.00099	.00020	.00199	.00019	.00023	.00016	.00011	.00017	.00036
24	Paper and allied products, except containers .....	.00631	.00738	.01561	.04624	.02697	.00519	.00563	.00782	.00524	.00925	.00697
25	Paperboard containers and boxes .....	.00277	.00355	.00762	.01346	.02052	.00165	.00247	.00179	.00152	.00375	.00178
26A	Newspapers and periodicals .....	.00347	.00404	.00638	.00595	.01081	.00318	.00347	.01359	.00577	.00928	.00693
26B	Other printing and publishing .....	.00618	.00695	.00975	.00910	.02029	.00829	.00843	.01818	.01005	.01887	.01337
27A	Industrial and other chemicals .....	.01413	.01812	.01856	.03892	.04071	.01087	.00916	.00835	.00744	.00507	.00485
27B	Agricultural fertilizers and chemicals .....	.00080	.00109	.00097	.00145	.00204	.00075	.00051	.00066	.00051	.00040	.00042
28	Plastics and synthetic materials .....	.01103	.01380	.01431	.02080	.03502	.00328	.00434	.00378	.00176	.00257	.00242
29A	Drugs .....	.00036	.00018	.00276	.00128	.00056	.00011	.00011	.00011	.00011	.00007	.00010
29B	Cleaning and toilet preparations .....	.00064	.00079	.00128	.00169	.00302	.00068	.00066	.00063	.00068	.00040	.00057
30	Paints and allied products .....	.00284	.00644	.00121	.00076	.00645	.00113	.0010	.0017			

* Less than .000005.

Total Requirements, 1996—Continued
of delivery to final demand, at producers' prices]

Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Auto-motive repair and services	Industry number
67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	74	75	
.00454	.00051	.00057	.00069	.00087	.00066	.00046	.00061	.00055	.00064	.00183	.00082	.00059	.00043	.00081	.00161	.05230	.00065	1
.00611	.00118	.00155	.00193	.00145	.00070	.00112	.00070	.00189	.00184	.00294	.00172	.00101	.00070	.00092	.00249	.05054	.00124	2
.00043	.00073	.00104	.00144	.00089	.00039	.00024	.00030	.00037	.00055	.00062	.00049	.00039	.00024	.00029	.00086	.00753	.00058	3
.00259	.00137	.00209	.00289	.00139	.00203	.00092	.00115	.00095	.00067	.00057	.00152	.00167	.00122	.00092	.00154	.00902	.00146	4
.00030	.00058	.00093	.00110	.00039	.00026	.00016	.00022	.00014	.00024	.00032	.00063	.00056	.00016	.00035	.00052	.00054	.00211	5+6
.00148	.00873	.00215	.00683	.00110	.00192	.00093	.00086	.00016	.00126	.00327	.00154	.00092	.00070	.00069	.00131	.00240	.00184	7
.00793	.04136	.71410	.06665	.01146	.01003	.00566	.0050	.00218	.00751	.01495	.01264	.00605	.00443	.00814	.01007	.01560	.01923	8
.00060	.00156	.00227	.00287	.00053	.00052	.00029	.00033	.00072	.00105	.00103	.00073	.00052	.00028	.00046	.00106	.00118	.00091	9+10
.02453	.08791	.13741	.12552	.01386	.02170	.01126	.01282	.05005	.06708	.04311	.01817	.01688	.00972	.00960	.01690	.02221	.01827	11
.00013	.00003	.00004	.00010	.00004	.00003	.00003	.00004	.00001	.00002	.00005	.00005	.00005	.00004	.00027	.00008	.00003	.00006	12
.00682	.00189	.00196	.00227	.00351	.00237	.00177	.00242	.00043	.00131	.00606	.00288	.00218	.00156	.00236	.00389	.25406	.00240	13
.00118	.00083	.00054	.00105	.00114	.00068	.00046	.00045	.00016	.00035	.00450	.00585	.00056	.00031	.00055	.00169	.00137	.00181	14
.00034	.00040	.00049	.00077	.00044	.00021	.00023	.00018	.00029	.00110	.00109	.00109	.00034	.00018	.00027	.0010	.00091	.00104	15
.00079	.00018	.00014	.00037	.00101	.00020	.00012	.00013	.00002	.00009	.00148	.000571	.00017	.00012	.00045	.00045	.00028	.00057	16
.00038	.00026	.00025	.00033	.00053	.00021	.00044	.00031	.00008	.00018	.00755	.00295	.00017	.00014	.00017	.00035	.00088	.00115	17
.00453	.00999	.01488	.01885	.00890	.00451	.00267	.00302	.00521	.00754	.00652	.00429	.00283	.00288	.01067	.00576	.00463	.00211	20+21
.00014	.00033	.00015	.00025	.00017	.00015	.00030	.00020	.00004	.00011	.00018	.00020	.00021	.00014	.00013	.00018	.00018	.00180	22+23
.00073	.00340	.00399	.00580	.01454	.01565	.00832	.00812	.00099	.00390	.01008	.01329	.01619	.00749	.00952	.07694	.01816	.00901	24
.00185	.00111	.00128	.00213	.00759	.00270	.00120	.00129	.00033	.00083	.00356	.00305	.00214	.00130	.00291	.00420	.01045	.00335	25
.01343	.00150	.00204	.00274	.00876	.01363	.00702	.00595	.00049	.00319	.00726	.00876	.00514	.00293	.00387	.24770	.00868	.00721	26A
.01850	.00403	.00440	.00638	.02204	.01771	.01695	.01732	.01019	.00579	.01211	.02116	.01685	.01235	.01163	.28161	.01549	.01216	26B
.00545	.00046	.01295	.02394	.00608	.00455	.00292	.00343	.0153	.00325	.00664	.01092	.00616	.00302	.00793	.01822	.01071	.01238	27A
.00157	.00065	.00082	.00182	.00124	.00051	.00026	.00033	.00187	.00117	.00314	.00067	.00049	.00030	.00041	.00105	.00515	.00070	27B
.00189	.00218	.00257	.00509	.00266	.00213	.00110	.00152	.00064	.00129	.00333	.00512	.00280	.00117	.00212	.00574	.00472	.00727	28
.00016	.00009	.00013	.00027	.00019	.00007	.00005	.00005	.00004	.00006	.00016	.00040	.00008	.00005	.00014	.00020	.00112	.00014	29A
.00061	.00047	.00060	.00102	.00126	.00065	.00033	.00036	.00015	.00038	.00166	.00143	.00049	.00043	.00150	.00101	.00126	.00128	29B
.00059	.00101	.00151	.00181	.00041	.00043	.00023	.00052	.00050	.00077	.00063	.00073	.00042	.00023	.00046	.00065	.00068	.00312	30
.00681	.02203	.01638	.05050	.01033	.00888	.00473	.00455	.00196	.00557	.00928	.00919	.00510	.00382	.00767	.00788	.01149	.01809	31
.00505	.00675	.00672	.01608	.00894	.0070	.00298	.00511	.00201	.00413	.00897	.01222	.00888	.00364	.00684	.01188	.01823	.02795	32
.00045	.00006	.00006	.00007	.00009	.00043	.00010	.00009	.00001	.00005	.00041	.00418	.00009	.00015	.00023	.00220	.00015	.00015	33+34
.00062	.00067	.00073	.00172	.00092	.00046	.00041	.00060	.00017	.00041	.00482	.00094	.00126	.0010	.00136	.00070	.00429	.00599	35
.00139	.00484	.00760	.00870	.00127	.00130	.00073	.00083	.00192	.00365	.00305	.00161	.00135	.00079	.00116	.00139	.0030	.00286	36
.00295	.00725	.01773	.01161	.00372	.00291	.00168	.00233	.00177	.00299	.00343	.00624	.00476	.00171	.00384	.00383	.00513	.02550	37
.00309	.00515	.00555	.00913	.00444	.00241	.00157	.00217	.00138	.00241	.00279	.00712	.00765	.00160	.00307	.00425	.00257	.02056	38
.00025	.00018	.00022	.00035	.00097	.00013	.00009	.00012	.00005	.00010	.00026	.00033	.00016	.00009	.00025	.00028	.00574	.00032	39
.00148	.00478	.00698	.00676	.00131	.00134	.00071	.00085	.00264	.00336	.00228	.00167	.00208	.00066	.00089	.00128	.00153	.00331	40
.00105	.00178	.00126	.00294	.00106	.00084	.00056	.00092	.00027	.00064	.00097	.00278	.00249	.00059	.00129	.00107	.00142	.01644	41
.00264	.00392	.00746	.00825	.00320	.00279	.00183	.00274	.00131	.00302	.00302	.00562	.00523	.00190	.00274	.00320	.00379	.01626	42
.00039	.00396	.00668	.00147	.00039	.00065	.00028	.00038	.00009	.00028	.00048	.00044	.00041	.00025	.00085	.00043	.00044	.00642	43
.00030	.00044	.00235	.00162	.00039	.00028	.00016	.00017	.00060	.00035	.00046	.00033	.00025	.00017	.00060	.00032	.00060	.00084	44+45
.00010	.00061	.00041	.00025	.00105	.00011	.00007	.00008	.00003	.00007	.00014	.00012	.00013	.00009	.00057	.00016	.00017	.00021	46
.00053	.00114	.00117	.00127	.00089	.00049	.00031	.00039	.00016	.00035	.00060	.00097	.00086	.00045	.00214	.00085	.00068	.00222	47
.00038	.00029	.00035	.00055	.00060	.00044	.00029	.00034	.00007	.00021	.00049	.00112	.00054	.00038	.00198	.00199	.00144	.00086	48
.00066	.00255	.00215	.00237	.00085	.00064	.00051	.00057	.00032	.00063	.00088	.00138	.00077	.00048	.00207	.00092	.00203	.00409	49
.00151	.00420	.00330	.00756	.00285	.00165	.00084	.00101	.00030	.00093	.00155	.00309	.00227	.00120	.00279	.00224	.00194	.01029	50
.00418	.00162	.00290	.00192	.00366	.00180	.00409	.00386	.00026	.00082	.00214	.01034	.00820	.00475	.00411	.00311	.00141	.00299	51
.00090	.00178	.00228	.00425	.00079	.00075	.00031	.00048	.00070	.00114	.00101	.00441	.00047	.00032	.00075	.00061	.00081	.00753	52
.00237	.00350	.00262	.00510	.00125	.00096	.00082	.00097	.00045	.0010	.00156	.00293	.00484	.00096	.00421	.00173	.00120	.00504	53
.00018	.00027	.00039	.00045	.00012	.00014	.00007	.00008	.00013	.00029	.00045	.01240	.00012	.00007	.00011	.00013	.00018	.00029	54
.00113	.00227	.00364	.00329	.00085	.00098	.00042	.00057	.00077	.00121	.00118	.00109	.00103	.00039	.00093	.00079	.00110	.00403	55
.00217	.00054	.00076	.00125	.00114	.00059	.00074	.00084	.00022	.00050	.00076	.00124	.00267	.00073	.00069	.00135	.00049	.00089	56
.01238	.00274	.00331	.00637	.01582	.00335	.00487	.00464	.00052	.00164	.00359	.01927	.00875	.00489	.00746	.00682	.00323	.01189	57
.00321	.00131	.00117	.00279	.00122	.00106	.00103	.00164	.00021	.00054	.00092	.00134	.00434	.00182	.00154	.00143	.00110	.00677	58
.00011	.00012	.00009	.00074	.00014	.00017	.00007	.00014	.00002	.00007	.00011	.00012	.00010	.00006	.00014	.00010	.00014	.00380	59A
.00283	.00273	.00238	.00257	.00417	.00522	.00202	.00404	.00042	.0020	.00304	.00297	.00264	.00172	.00344	.00283	.00398	.11203	59B
.00026	.00034	.00033	.00043	.00029	.00021	.00022	.00030	.00003	.00015	.00029	.00025	.00029	.00021	.00031	.00025	.00028	.00067	60
.00049	.00083	.00030	.00091	.00018	.00017	.00017	.00022	.00005	.00017	.00029	.00025	.00018	.00019	.00013	.00036	.00026	.00034	61
.00094	.00124	.00111	.01287	.00074	.00061	.00041	.00093	.00024	.00081	.00085	.00228	.00219	.00058	.00106	.00124	.00067	.00209	62
.00173	.00043	.00068	.00094	.00174	.00094	.00171	.00243	.00014	.00060	.00122	.01015	.00211	.00266	.00304	.00360	.00071	.00123	63
.00317	.00088	.00111	.00136	.00208	.00237	.00212	.00175	.00031	.00098	.00244	.01633	.00172	.00160	.00228	.00245	.00079	.00179	64
.00289	.00249	.00392	.00661	.00271	.00264	.00224	.00303	.00051	.00204	.00364	.00293	.00267	.00183	.00290	.00463	.00639	.00461	65A
.00980	.01372	.01253	.31173	.01134	.00968	.01643	.01152	.00281	.007									

Table 5.—Industry-by-Commodity Total Requirements, 1996—Continued
 [Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Commodity number	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment
			76	77A	77B	78	79	80	81	82	83	84	85
1	Livestock and livestock products	00919	00287	00420	00233	00074							
2	Other agricultural products	01224	00359	00469	00284	00245							
3	Forestry and fishery products	00054	00059	00086	00072	00152							
4	Agricultural, forestry, and fishery services	00428	0030	00344	00101	00517							
5+6	Metallic ores mining	00032	00052	00040	00063	00105							
7	Coal mining	00186	00152	00141	00105	01287							
8	Crude petroleum and natural gas	00877	01110	01196	02553	07563							
9+10	Nonmetallic minerals mining	00069	00104	00105	00080	00426							
11	New construction, including own-account construction	02287	01788	05136	03421	20005							
12	Maintenance and repair construction, including own-account construction	00023	00011	00005	00004	00005							
13	Ordinance and accessories	01216	01262	01709	01114	00196							
14	Food and kindred products	(*)	(*)	(*)	(*)	(*)							
15	Tobacco products	00208	00195	00125	00245	00109							
16	Broad and narrow fabrics, yarn and thread mills	00046	00066	00058	00030	00084							
17	Miscellaneous textile goods and floor coverings	00150	00155	00070	00033	00058							
18	Apparel	00082	00135	00059	00279	00033							
19	Miscellaneous fabricated textile products	00014	00401	00994	00592	02177							
20+21	Lumber and wood products	00014	00019	00021	00749	00022							
22+23	Furniture and fixtures	00960	01074	02031	00883	00539							
24	Paper and allied products, except containers	00240	00354	00347	00406	00170							
25	Paperboard containers and boxes	01252	00398	01299	00212	00252							
26A	Newspapers and periodicals	01799	01091	0550	01467	00634							
26B	Other printing and publishing	00645	02332	00811	00739	02232							
27A	Industrial and other chemicals	00299	00130	00120	00057	0030							
27B	Agricultural fertilizers and chemicals	00234	00538	00317	00251	00424							
28	Plastics and synthetic materials	00026	02063	00044	00013	00027							
29B	Drugs	00080	00190	00132	00124	00125							
30	Cleaning and toilet preparations	00079	00050	00096	00071	00224							
31	Paints and allied products	0080	00789	01004	02633	04852							
32	Petroleum refining and related products	00594	01767	00962	00576	01102							
33+34	Rubber and miscellaneous plastics products	00086	00017	00058	00065	00006							
35	Footwear, leather, and leather products	00064	00293	00208	00075	00154							
36	Glass and glass products	00136	00202	00254	0020	01411							
37	Stone and clay products	00312	00346	00428	00705	01190							
38	Primary iron and steel manufacturing	00316	00310	00369	00634	00897							
39	Primary nonferrous metals manufacturing	00039	00051	00052	00038	00034							
40	Metal containers	00142	00132	00273	00224	00992							
41	Heating, plumbing, and fabricated structural metal products	00108	00172	00136	00251	00219							
42	Screw machine products and stampings	00289	00313	00412	00350	00714							
43	Other fabricated metal products	00037	00035	00040	00214	00198							
44+45	Engines and turbines	00037	00031	00040	00086	00286							
46	Farm, construction, and mining machinery	00011	00012	00013	00028	00030							
47	Materials handling machinery and equipment	00053	00059	00068	00089	00137							
48	Metalworking machinery and equipment	00038	00058	00067	00038	00053							
49	Special industry machinery and equipment	00067	00069	00085	00204	00253							
50	General industrial machinery and equipment	00154	00165	00187	00445	01181							
51	Miscellaneous machinery, except electrical	00203	00491	00276	00113	00150							
52	Computer and office equipment	00126	00070	00115	00121	00733							
53	Service industry machinery	00115	00151	00146	00127	00831							
54	Household appliances	00014	00016	00029	00014	00067							
55	Electric lighting and wiring equipment	00069	00093	00096	00040	00123							
56	Audio, video, and communication equipment	00377	00705	00525	00302	00418							
57	Electronic components and accessories	00555	00111	00148	00125	00249							
58	Miscellaneous electrical machinery and supplies	00012	00011	00013	00065	00026							
59A	Motor vehicles (passenger cars and trucks)	00321	00287	00362	02064	00682							
59B	Truck and bus bodies, trailers, and motor vehicles parts	00026	00036	00026	00091	00028							
60	Aircraft and parts	00085	00020	00030	00102	00168							
61	Other transportation equipment	00071	01871	00173	00070	00229							
62	Scientific and controlling instruments	00122	00288	00281	00073	00071							
63	Ophthalmic and photographic equipment	00434	00141	00512	00106	00157							
64	Miscellaneous manufacturing	00297	00337	00339	01113	00896							
65A	Railroads and related services; passenger ground transportation	01032	01165	01451	03498	02502							
65B	Motor freight transportation and warehousing	00058	00072	00085	02716	00619							
65C	Water transportation	00598	00694	00651	02354	00432							
65D	Air transportation	00169	00189	00205	00693	00435							
65E	Pipelines, freight forwarders, and related services	01870	01884	02030	01014	01279							
66	Communications, except radio and TV	010	00256	00677	00129	00188							
67	Radio and TV broadcasting	02072	01531	01360	00836	03652							
68A	Electric services (utilities)	00530	00670	00659	00859	05042							
68B	Gas production and distribution (utilities)	00171	00188	00198	00337	02812							
68C	Water and sanitary services	03348	03536	03637	03215	04340							
69A	Wholesale trade	00289	00233	00472	00263	01078							
69B	Retail trade	02241	01920	03351	0220	03050							
70A	Finance	00682	01014	00781	00756	00740							
70B	Insurance	08910	08411	12449	03182	04998							
71A	Owner-occupied dwellings	00502	00609	00539	00194	00272							
71B	Real estate and royalties	00464	00396	00390	00137	00261							
72A	Hotels and lodging places	00968	01364	01831	00685	00817							
72B	Personal and repair services (except auto)	03825	02920	02970	01340	05187							
73A	Computer and data processing services, including own-account software	08993	07769	09977	04788	04598							
73B	Legal, engineering, accounting, and related services	01074	00278	00730	00141	00204							
73C	Other business and professional services, except medical	00556	00884	00864	00331	00348							
74	Advertising	00959	00980	00958	00759	00833							
75	Eating and drinking places	1.18749	00312	01028	00139	00198							
76	Automotive repair and services	00060	1.01903	00023	00013	00009							
77A	Health services	00344	00502	1.00772	00182	00271							
77B	Educational and social services, and membership organizations	00833	01229	01295	1.0036	00675							
78	Federal Government enterprises	00974	00664	00740	00952	1.00196							
79	State and local government enterprises												
82	General government industry									1.00000			
84	Household industry											1.00000	
85	Inventory valuation adjustment												1.00000
	Total industry output multiplier	1.79421	1.65654	1.79734	1.58793	2.01999				1.00000		1.00000	1.00000

* Less than .00005.

An Ownership-Based Disaggregation of the U.S. Current Account, 1982–97

THIS REPORT UPDATES the presentation of an ownership-based disaggregation of the current-account portion of the U.S. international transactions accounts (balance of payments).¹

The Bureau of Economic Analysis (BEA) developed this presentation in the first half of the 1990's in response to increased demands for a supplement to the existing international transactions presentation that would provide additional information about ownership.² These demands arose from the increased interdependence of world economies as a result of the more prominent role of multinational companies in international markets and as commercial agreements increasingly covered not only cross-border sales but also sales through locally established affiliates.

Like the traditional international transactions accounts, the ownership-based disaggregation is organized by residency, but it disaggregates current-account transactions to show additional information on ownership and on sales through overseas affiliates. Essentially a different way of presenting the same information, the ownership-based disaggregation is fully consistent conceptually with the traditional accounts and could be viewed as a "satellite" of those accounts.³

The estimates for 1982–96 have been revised to incorporate the latest estimates of U.S. international transactions, and the estimates for 1996 have been revised to incorporate the latest estimates of the financial and operating data of foreign-owned affiliates in the United States and of U.S.-owned affiliates abroad; new estimates are presented for 1997. In addition, the table

reflects the changes that were made to the U.S. international transactions accounts in last summer's annual revision: A small part of unilateral transfers has been reclassified to the new capital account, and, beginning with 1986, compensation of employees has been reclassified from the services account to the income account.⁴

In the standard presentation of the current-account estimates, U.S. sales to foreigners consist only of the goods and services that are delivered to foreign markets directly from the United States (shown in line 3 of table 1). In the ownership-based presentation, U.S. international "sales" (line 2) also include the income that is received by U.S. companies from the sale of goods and services by their subsidiaries abroad (line 8). Similarly, in the ownership-based presentation, U.S. international "purchases" (line 22) includes the income that is paid by foreign-owned firms in the United States to their foreign owners, as well as the goods and services that are delivered to the U.S. market from abroad. These additions, which raise the value of total U.S. sales and purchases, provide a more comprehensive basis for assessing the effect of net "overseas" sales on the U.S. economy.

In the table, the balance on goods, services, and net receipts from sales by affiliates (line 43) shows the net result of the active participation of U.S. companies in international markets. In every year, this balance has been more favorable than either the balance on goods and services or the balance on current account; in 1997, this balance was –\$35.5 billion, compared with –\$104.7 billion for the balance on goods and services.

The ownership-based presentation highlights the role of multinational corporations' (MNC's) overseas operations by showing subtotals (lines 2 and 22) that group the income received by MNC's from sales by their overseas affiliates with the shipments of goods and sales of services from domestic providers. Like the standard presentation, the ownership-based presentation distinguishes between these two methods of servicing international markets, which have different effects on the domestic economy. For example, because of the high labor content in professional services, the domestic economy is affected differently, depending on whether a U.S. accounting or engineering firm decides to serve its European clients from its U.S. offices or from those of its local affiliate; if the client is served from its U.S. office, the entire value of the service accrues to the U.S. economy, but if the client is served by its local affiliate, then only the net U.S.

1. For a review of the sources and methods used to prepare the disaggregated estimates, see Obie G. Whichard and Jeffrey H. Lowe, "An Ownership-Based Disaggregation of the U.S. Current Account, 1982–93," *SURVEY OF CURRENT BUSINESS* 75 (October 1995): 52–61. For a general review of the issues relating to ownership relationships in international transactions, see J. Steven Landefeld, Obie G. Whichard, and Jeffrey H. Lowe, "Alternative Frameworks for U.S. International Transactions," *SURVEY* 73 (December 1993): 50–61.

2. Among those calling for more information on ownership was a National Academy of Sciences study panel. See National Research Council, Panel on Foreign Trade Statistics, *Behind the Numbers: U.S. Trade in the World Economy*, ed. Anne Y. Kester (Washington, DC: National Academy Press, 1992).

3. As described in the *System of National Accounts*, satellite accounts are accounts that augment the central national accounts by "expanding" the analytical capacity of national accounting for selected areas...in a flexible manner, without overburdening or disrupting the central system"; they may introduce additional information, alternative accounting frameworks, or "complementary or alternative concepts," while maintaining linkages to the central accounts. See Commission of the European Communities, International Monetary Fund, Organisation for Economic Co-operation and Development, United Nations, and World Bank, *System of National Accounts, 1993* (Brussels/Luxembourg, New York, Paris, and Washington, DC, 1993): 489.

4. For the details, see Christopher L. Bach, "U.S. International Transactions, Revised Estimates for 1982–98," *SURVEY* 79 (July 1999): 60–74.

NOTE.—This report was prepared by Jeffrey H. Lowe.

receipt of investment income resulting from the sale accrues to the U.S. economy.

Additional information on ownership relationships is provided by the disaggregation of trade in goods and in services into trade between affiliated parties (that is, trade within MNC's) and trade between unaffiliated parties. Trade within MNC's is disaggregated into trade between U.S. parent companies and their foreign affiliates and trade between U.S. affiliates of foreign companies and their foreign parent groups. For receipts and payments of direct investment income, the table shows how the income is derived from the production and sales of affiliates.⁵ To highlight the links between the income and the activities that

produce it, the income is designated "net receipts or payments of direct investment income resulting from sales by affiliates."

In addition to providing an alternative disaggregation of current-account transactions, table 1 provides, in addenda, supplemental information on the U.S. and foreign content of affiliates' output that assists in describing affiliate operations and analyzing the role of direct investment as a vehicle for supplying international markets. For both foreign and U.S. affiliates, output sold (or added to inventory) is broken down between U.S. content and foreign content; the source of the content is then broken down between the affiliates' own value added and other content.

Table 1 follows. 

5. These detailed estimates can be provided only for nonbank affiliates.

Table 1.—Ownership-Based Disaggregation of the U.S. Current Account, 1982–97

[Billions of dollars]

Line		1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
1	Exports of goods and services and income receipts (IT table 1, line 1)	366.9	356.2	400.1	387.8	406.1	456.2	567.3	649.9	708.1	729.5	748.4	776.4	868.0	1,005.7	1,074.4	1,197.2
2	Receipts resulting from exports of goods and services or sales by foreign affiliates	304.6	297.9	326.6	324.7	345.9	394.3	489.0	550.6	602.4	639.0	673.9	709.5	779.9	889.5	953.1	1,054.3
3	Exports of goods and services	275.2	266.1	291.1	289.1	308.8	347.8	430.3	488.3	536.1	580.0	615.9	641.8	702.1	793.5	849.8	938.5
3a	Goods, balance of payments basis (IT table 1, line 3)	211.2	201.8	219.9	215.9	223.3	250.2	320.2	362.1	389.3	416.9	440.4	456.8	502.4	575.8	612.1	679.7
3b	Services (IT table 1, line 4)	64.1	64.3	71.2	73.2	85.4	97.6	110.0	126.2	146.8	163.0	175.6	185.0	199.7	217.6	237.7	258.8
4	To unaffiliated foreigners	193.3	183.9	196.5	189.7	211.3	245.9	305.4	341.4	381.3	412.0	428.7	448.2	472.5	540.2	579.7	640.4
4a	Goods	139.0	129.8	136.1	128.2	140.4	164.7	214.4	238.4	261.5	277.6	285.6	295.7	313.0	365.9	389.5	433.8
4b	Services	54.3	54.0	60.3	61.6	70.9	81.2	91.0	103.0	119.9	134.4	143.1	152.5	159.8	174.3	190.3	206.5
5	To affiliated foreigners	81.9	82.2	94.6	99.4	97.5	101.9	124.9	147.0	154.7	168.0	187.2	193.6	229.5	253.2	270.1	298.2
5a	Goods	72.2	72.0	83.8	87.8	83.0	85.5	105.8	123.7	127.8	139.3	154.8	161.1	189.4	209.9	222.6	245.9
5b	Services	9.8	10.3	10.8	11.6	14.6	16.4	19.1	23.3	26.9	28.8	32.5	32.5	40.1	43.3	47.5	52.3
6	To foreign affiliates of U.S. companies	55.4	58.0	65.6	71.3	72.7	79.7	95.4	109.2	112.5	120.6	131.4	139.6	170.8	187.1	198.6	223.6
6a	Goods	47.1	49.4	56.7	61.9	61.1	66.4	79.4	89.4	90.1	97.1	106.0	113.8	138.3	152.7	161.8	183.1
6b	Services	8.3	8.6	8.9	9.5	11.6	13.3	16.0	19.7	22.4	23.5	25.4	25.8	32.6	34.4	36.8	40.5
7	To foreign parent groups of U.S. affiliates	28.5	24.3	29.0	28.0	24.9	22.2	29.4	37.8	42.2	47.4	55.8	54.0	58.7	66.2	71.5	74.6
7a	Goods	25.0	22.6	27.1	25.9	21.9	19.1	26.4	34.3	37.8	42.2	48.8	47.4	51.1	57.2	60.8	62.8
7b	Services	1.5	1.7	1.9	2.1	3.0	3.1	3.0	3.5	4.5	5.1	7.1	6.7	7.5	8.9	10.7	11.8
8	Net receipts by U.S. companies of direct investment income resulting from sales by their foreign affiliates (IT table 1, line 14)	29.4	31.8	35.5	35.6	37.1	46.5	58.7	62.3	66.3	59.1	58.0	67.7	77.9	96.0	103.3	115.8
9	Nonbank affiliates	28.0	28.7	32.6	33.8	35.8	46.2	57.0	62.0	65.9	58.8	55.8	64.0	74.0	92.7	100.0	112.4
10	Sales by foreign affiliates	935.8	886.3	898.6	895.5	928.9	1,052.8	1,194.7	1,284.9	1,493.4	1,541.6	1,574.1	1,570.6	1,757.4	2,040.7	2,233.7	2,356.4
11	Less: Foreign affiliates' purchases of goods and services from the United States	65.0	66.1	75.3	79.1	82.6	92.2	110.9	122.3	128.8	138.8	147.4	157.6	192.0	212.3	230.9	256.2
12	Less: Costs and profits accruing to foreigners	721.3	688.4	688.3	659.4	675.5	752.9	840.9	907.6	1,064.8	1,098.6	1,106.4	1,088.6	1,199.4	1,378.6	1,508.7	1,555.7
13	Compensation of employees of foreign affiliates	111.7	102.8	100.7	102.4	117.8	136.1	151.5	165.8	184.8	196.1	201.5	201.1	224.3	240.8	252.6	261.2
14	Other	609.6	565.6	567.6	557.1	557.9	616.8	689.4	741.8	880.0	902.4	904.9	887.5	975.1	1,137.8	1,256.1	1,294.4
15	Less: Sales by foreign affiliates to other foreign affiliates of the same parent	123.4	123.0	122.4	123.3	135.1	161.5	185.9	193.0	233.9	245.4	264.5	260.4	292.0	357.1	394.1	432.1
16	Bank affiliates	3.4	3.1	2.9	2.0	1.4	0.4	1.8	0.2	0.4	0.3	2.2	3.7	3.9	3.2	3.3	3.4
17	Other income receipts	62.3	58.3	73.5	63.1	60.1	61.9	78.3	99.3	105.8	90.5	74.5	66.9	88.1	116.2	121.3	142.9
18	Other private receipts on U.S.-owned assets abroad (IT table 1, line 15)	59.2	53.4	68.3	57.6	52.8	55.6	70.6	92.6	94.1	81.2	66.0	60.4	82.4	109.8	115.0	137.5
19	U.S. Government receipts (IT table 1, line 16)	4.1	4.8	5.2	5.5	6.4	5.3	6.7	5.7	10.5	8.0	7.1	5.1	4.1	4.7	4.6	3.6
20	Compensation of employees (IT table 1, line 17)	n.a.	n.a.	n.a.	n.a.	0.9	1.0	1.0	1.0	1.2	1.3	1.4	1.4	1.5	1.8	1.8	1.8
21	Imports of goods and services and income payments (IT table 1, line 18)	356.0	377.6	474.1	484.1	530.5	594.8	664.2	721.7	759.6	735.0	763.2	823.2	950.5	1,063.8	1,161.5	1,298.7
22	Payments resulting from imports of goods and services or sales by U.S. affiliates	301.5	328.1	408.8	418.2	455.8	508.6	558.3	587.3	619.9	607.7	656.3	720.9	823.9	923.2	989.7	1,089.8
23	Imports of goods and services	299.4	323.9	400.2	411.0	448.6	500.6	545.7	579.8	616.0	609.4	652.9	711.7	800.5	891.0	954.1	1,043.3
23a	Goods, balance of payments basis (IT table 1, line 20)	247.6	268.9	332.4	338.1	368.4	409.8	447.2	477.4	498.3	491.0	536.5	589.4	668.6	749.6	803.3	876.4
23b	Services (IT table 1, line 21)	51.7	55.0	67.7	72.9	80.1	90.8	98.5	102.5	117.7	118.5	116.5	122.3	131.9	141.4	150.8	166.9
24	From unaffiliated foreigners	204.0	221.6	272.7	270.8	295.3	325.3	350.4	365.6	386.9	381.1	408.2	449.4	494.6	558.6	598.3	675.7
24a	Goods	156.4	170.5	209.2	202.3	220.0	241.2	259.3	272.7	280.6	275.3	304.8	341.5	379.1	436.1	468.5	533.5
24b	Services	47.5	51.1	63.5	68.5	75.3	84.1	91.1	92.9	106.3	105.8	103.4	108.2	115.5	122.6	129.8	142.2
25	From affiliated foreigners	95.4	102.3	127.5	140.1	153.3	175.2	195.3	214.3	223.1	228.3	244.7	282.0	305.9	332.4	355.8	367.6
25a	Goods	91.2	98.4	123.2	135.8	148.4	168.6	187.9	204.7	217.8	215.6	231.7	247.9	289.5	313.5	334.8	342.9
25b	Services	4.2	3.9	4.2	4.4	4.8	6.7	7.5	9.6	11.3	12.7	13.0	14.1	16.4	18.9	21.0	24.7
26	From foreign affiliates of U.S. companies	42.1	45.8	55.0	56.5	57.5	63.6	73.1	79.6	85.9	88.9	98.4	103.1	121.8	129.7	145.0	157.3
26a	Goods	39.3	43.6	52.8	54.0	55.0	60.4	69.5	74.7	80.3	83.5	93.9	97.1	114.9	122.3	137.2	147.4
26b	Services	2.8	2.2	2.2	2.4	2.5	3.2	3.6	4.9	5.6	5.4	5.5	6.0	7.0	7.4	7.8	9.9
27	From foreign parent groups of U.S. affiliates	53.4	56.4	72.5	83.7	95.7	111.6	122.2	134.7	143.2	139.4	145.3	158.9	184.1	202.7	210.8	210.3
27a	Goods	51.9	54.8	70.5	81.7	93.4	108.2	118.4	129.9	137.5	132.2	137.8	150.8	171.6	191.2	197.7	195.5
27b	Services	1.4	1.6	2.0	1.9	2.3	3.4	3.9	4.8	5.8	7.3	7.5	8.1	9.4	11.4	13.1	14.8
28	Net payments to foreign parents of direct investment income resulting from sales by their U.S. affiliates (IT table 1, line 31)	2.1	4.2	8.7	7.3	7.2	8.1	12.6	7.4	3.9	-1.7	3.3	9.1	23.5	32.2	35.6	46.6
29	Nonbank affiliates	1.4	3.4	8.0	5.9	5.9	7.8	11.1	7.0	5.4	-1.3	3.5	8.7	20.6	27.6	32.7	42.6
30	Sales by U.S. affiliates	518.1	536.6	593.6	633.0	672.0	744.6	886.4	1,056.6	1,175.9	1,185.9	1,232.0	1,329.4	1,544.6	1,667.6	1,717.2	1,717.2
31	Less: U.S. affiliates' purchases of goods and services from abroad	85.7	83.1	102.5	115.3	128.1	147.0	159.4	176.6	188.7	186.0	192.0	208.7	241.8	262.3	281.8	276.3
32	Less: Costs and profits accruing to U.S. persons	431.0	450.1	489.1	511.8	538.0	588.7	715.9	873.1	981.8	1,001.2	1,036.5	1,112.1	1,181.1	1,254.7	1,353.1	1,398.3
33	Compensation of employees of U.S. affiliates	61.5	66.8	73.2	79.9	86.5	96.0	119.6	144.2	163.6	176.0	182.1	193.0	200.6	206.4	220.6	230.3
34	Other	369.5	383.3	409.9	431.9	451.5	493.8	596.3	728.9	818.2	825.2	854.4	919.1	980.5	1,048.4	1,132.5	1,168.0
35	Less: Sales by U.S. affiliates to other U.S. affiliates of the same parent ¹	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
36	Bank affiliates	0.7	0.8	0.7	1.4	1.3	0.2	1.5	0.5	-1.4	-0.5	-0.2	0.5	2.8	4.6	2.9	3.9
37	Other income payments	54.5	49.5	65.3	65.9	74.7	86.2	105.9	134.4	139.7	127.4	106.9	102.3	126.6	160.6	171.8	208.9
38	Other private payments on foreign-owned assets in the United States (IT table 1, line 32)	35.2	30.5	44.2	42.7	47.4	57.7	72.3	93.8	95.5	82.5	63.1	57.8	76.5	97.0	97.9	114.1
39	U.S. Government payments (IT table 1, line 33)	19.3	19.0	21.2	23.1	24.6	26.2	31.7	38.4	40.8	40.9	39.1	39.4	44.2	57.4	67.6	88.1
40	Compensation of employees (IT table 1, line 34)	n.a.	n.a.	n.a.	n.a.	2.7	2.3	1.8	2.3	3.5	4.0	4.8	5.1	6.0	6.3	6.3	6.8
41	Unilateral current transfers, net (IT table 1, line 35)	-17.1	-17.8	-20.7	-22.8	-24.8	-24.0	-26.1	-27.1	-27.8	9.8	-35.9	-38.5	-39.2	-35.4	-42.2	-42.0
42	Memoranda:																
43	Balance on goods and services (IT table 1, line 73)	-24.2	-57.8	-109.1	-121.9	-139.8	-152.8	-115.5	-91.5	-79.9	-29.5	-37.0	-69.9	-98.4	-97.5	-104.3	-104.7
44	Balance on goods, services, and net receipts from sales by affiliates (line 2 minus line 22)	3.2	-30.2	-82.3	-93.6	-109.8	-114.3	-69.3	-36.7	-17.5	31.3	17.6	-11.4	-44.0	-33.7	-36.6	-35.5
45	Balance on current account (IT table 1, line 76)	-6.2	-39.2	-94.8	-119.1	-149.2	-162.6	-123.0	-98.9	-79.3	4.3	-50.6	-85.3	-121.7	-113.6	-129.3	-143.5
46	Addenda:																
47	Source of the content of foreign nonbank affiliates' sales: ²																
48	Output sold to nonaffiliates or added to inventory, total (line 10 minus line 15 plus the change in inventories)	802.9	746.7	773.7	779.0	800.9	908.1	1,019.4	1,094.2	1,277.0	1,294.8	1,304.1	1,301.7	1,484.5	1,700.0	1,844.4	1,925.4
49	Foreign content	737.9	680.6	698.5	699.9	718.2	815.9	908.4	971.9	1,148.2	1,156.0	1,156.6	1,144.1				

U.S. International Transactions, Third Quarter 1999

By Harlan W. King

THE U.S. current-account deficit—the combined balances on trade in goods and services, income, and net unilateral current transfers—increased to \$89.9 billion in the third quarter of 1999 from \$80.9 billion (revised) in the second quarter (table A, chart 1).¹ The increase

was mostly accounted for by an increase in the deficit on goods and services; there was a small increase in the deficit on income.

In the financial account, net recorded financial inflows—the difference between changes in U.S.-owned assets abroad and changes in foreign-owned assets in the United States—were \$105.7 billion in the third quarter, down from \$119.6 billion (revised) in the second; financial inflows for foreign-owned assets in the United States slowed

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

Table A.—Summary of U.S. International Transactions

(Millions of dollars, seasonally adjusted)

Line	Lines in tables 1 and 10 in which transactions are included are indicated in ()	1998	1998				1999			Change: 1999 II-III	January–September		
			I	II	III	IV	I	II ^a	III ^a		1998	1999	Change: 1998–99
	Current account												
1	Exports of goods and services and income receipts												
(1)		1,192,231	302,289	298,463	291,493	299,985	295,932	301,369	312,189	10,820	892,245	909,490	17,245
2	Goods, balance of payments basis (3)	670,246	170,665	165,198	164,259	170,124	164,292	165,862	173,578	7,716	500,122	503,732	3,610
3	Services (4)	263,661	65,166	66,691	65,025	66,780	67,612	68,650	69,048	398	196,882	205,310	8,428
4	Income receipts (12)	258,324	66,458	66,574	62,209	63,081	64,028	66,857	69,563	2,706	195,241	200,448	5,207
5	Imports of goods and services and income payments												
(18)		-1,368,718	-335,380	-340,977	-344,182	-348,180	-354,246	-371,066	-390,934	-19,868	-1,020,539	-1,116,246	-95,707
6	Goods, balance of payments basis (20)	-917,178	-225,541	-228,698	-229,228	-233,711	-238,495	-250,274	-265,723	-15,449	-683,467	-754,492	-71,025
7	Services (21)	-181,011	-43,628	-45,152	-45,780	-46,455	-47,383	-49,323	-50,728	-1,405	-134,560	-147,434	-12,874
8	Income payments (29)	-270,529	-66,211	-67,127	-69,174	-68,014	-68,368	-71,469	-74,483	-3,014	-202,512	-214,320	-11,808
9	Unilateral current transfers, net (35)	-44,075	-9,927	-9,886	-10,787	-13,474	-10,340	-11,212	-11,204	8	-30,600	-32,756	-2,156
	Capital and financial account												
	Capital account												
10	Capital account transactions, net (39)	617	143	160	148	166	166	178	166	-12	451	510	59
	Financial account												
11	U.S.-owned assets abroad, net (increase/financial outflow (-)) (40)	-292,818	-59,599	-120,517	-62,097	-50,607	-15,148	-154,713	-101,483	53,230	-242,213	-271,344	-29,131
12	U.S. official reserve assets, net (41)	-6,784	-444	-1,945	-2,026	-2,369	4,068	1,159	1,950	791	-4,415	7,177	11,592
13	U.S. Government assets, other than official reserve assets, net (46)	-429	-81	-483	185	-50	119	-392	-673	-281	-379	-946	-567
14	U.S. private assets, net (50)	-285,605	-59,074	-118,089	-60,256	-48,188	-19,335	-155,480	-102,760	52,720	-237,419	-277,575	-40,156
15	Foreign-owned assets in the United States, net (increase/ financial inflow (+)) (55)	502,637	96,817	162,466	93,547	149,805	88,860	274,271	207,153	-67,118	352,830	570,284	217,454
16	Foreign official assets in the United States, net (56)	-21,684	11,004	-10,551	-46,489	24,352	4,708	-628	12,106	12,734	-46,036	16,186	62,222
17	Other foreign assets in the United States, net (63)	524,321	85,813	173,017	140,036	125,453	84,152	274,899	195,047	-79,852	398,866	554,098	155,232
18	Statistical discrepancy (sum of above items with sign reversed) (70)	10,126	5,657	10,291	31,878	-37,695	-5,224	-38,827	-15,887	22,940	47,826	-59,938	-107,764
	Memoranda:												
19	Balance on goods (71)	-246,932	-54,876	-63,500	-64,969	-63,587	-74,203	-84,412	-92,145	-7,733	-183,345	-250,760	-67,415
20	Balance on services (72)	82,650	21,538	21,539	19,245	20,325	20,229	19,327	18,320	-1,007	62,322	57,876	-4,446
21	Balance on goods and services (73)	-164,282	-33,338	-41,961	-45,724	-43,262	-53,974	-65,085	-73,825	-8,740	-121,023	-192,884	-71,861
22	Balance on income (74)	-12,205	247	-553	-6,965	-4,933	-4,340	-4,612	-4,920	-308	-7,271	-13,872	-6,601
23	Unilateral current transfers, net (75)	-44,075	-9,927	-9,886	-10,787	-13,474	-10,340	-11,212	-11,204	8	-30,600	-32,756	-2,156
24	Balance on current account (76)	-220,562	-43,018	-52,400	-63,476	-61,669	-68,654	-80,909	-89,949	-9,040	-158,894	-239,512	-80,618
25	Capital account transactions, net (39)	617	143	160	148	166	166	178	166	-12	451	510	59
26	Net financial flows (40 and 55)	209,819	37,218	41,949	31,450	99,198	73,712	119,558	105,670	-13,888	110,617	298,940	188,323

^a Preliminary.

^r Revised.

Revisions to the Estimates for the Second Quarter of 1999

The international transactions accounts estimates for the second quarter of 1999 are revised from the preliminary estimates published in the October 1999 SURVEY OF CURRENT BUSINESS. The current-account deficit for the second quarter was revised to \$80.9 billion from \$80.7 billion. The goods deficit was revised to \$84.4 billion from \$84.6 billion (based on updated Census Bureau data); the services surplus was revised to \$19.3 billion from \$19.6 billion (reflecting newly available source data); the deficit on income was revised to \$4.6 billion from \$4.4 billion (reflecting updated capital flow and position data); and net unilateral current transfers were virtually unchanged from the previous estimate at \$11.2 billion. Net recorded financial inflows were revised to \$119.6 billion from \$116.9 billion.

more than financial outflows for U.S.-owned assets abroad.

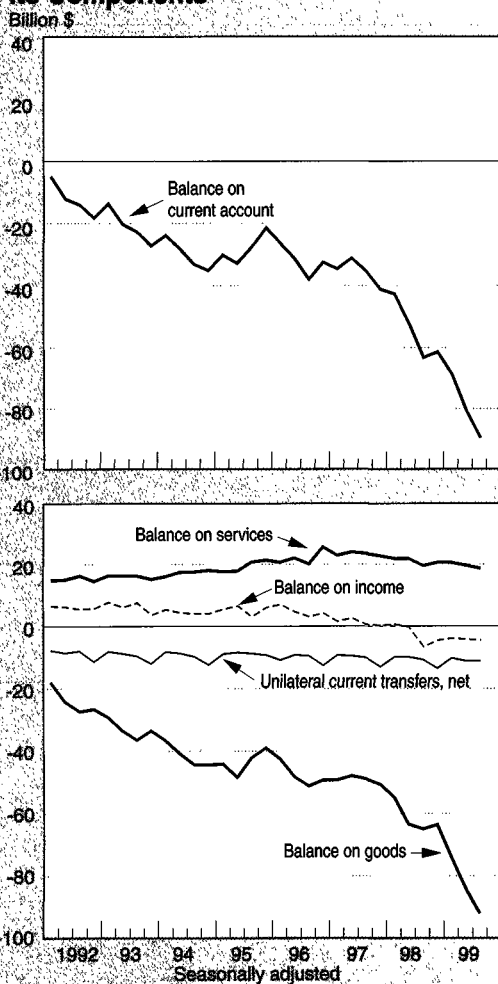
The statistical discrepancy—errors and omissions in recorded transactions—was a negative \$15.9 billion in the third quarter, compared with a negative \$38.8 billion in the second.

The following are highlights for the third quarter:

- Imports of goods and imports of services both increased strongly; exports of goods were also up strongly.
- Financial inflows for foreign direct investment in the United States were sharply lower as a result of a slowdown in acquisitions of U.S. companies by foreign companies.
- Net foreign purchases of U.S. securities other than U.S. Treasury securities increased strongly to a second consecutive quarterly record.
- U.S. banks' claims on foreigners shifted to net inflows following large outflows, and inflows for U.S. banks' liabilities to foreigners remained strong.

CHART 1

U.S. Current-Account Balance and Its Components



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

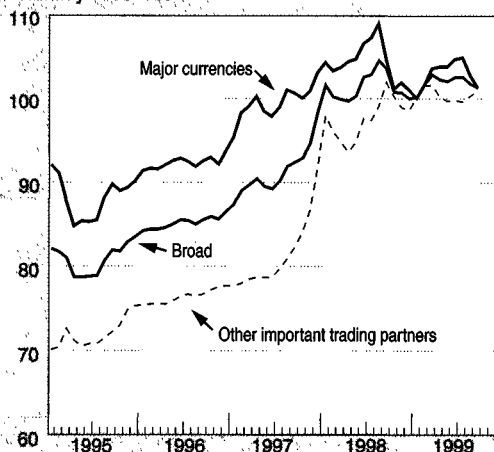
U.S. dollar in exchange markets

In the third quarter, the U.S. dollar was virtually unchanged on a nominal, trade-weighted quarterly average basis against the group of 26 currencies of important U.S. trading partners (table B, chart 2). Within the broad group, the dollar depreciated 1 percent against the group of

CHART 2

Nominal Indexes of Foreign Currency Price of the U.S. Dollar

January 1999=100



Note.—See table B for definitions of the indexes.

Monthly average rates.

Data: Federal Reserve Board. Indexes released by BEA.

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

7 major currencies that trade widely in international markets, and it was up slightly against the group of remaining currencies (see table B for definitions).

The U.S. dollar appreciated 1 percent against the euro on a quarterly average basis but weakened against the euro during the quarter, as positive European economic news, particularly from Germany, prompted increased interest in European investments, while expectations of tighter monetary policy in the United States made profit-taking in U.S. markets attractive. The U.S. dollar rose against the euro early in the quarter, but began to fall late in July. The euro strengthened in the second half of the quarter, partly reflecting a narrowing of the yield differential between U.S. and German long-term bonds, which decreased the yield advantage of U.S. bonds, and further indications of improved growth prospects in Europe.

The U.S. dollar depreciated against the Japanese yen steadily throughout the quarter. Positive economic news about the Japanese economy, continued expansionary fiscal policy, and the maintenance of near-zero short-term money market rates all contributed to a more favorable outlook for the Japanese economy. Moreover, concerns over the risk of inflation in the United States prompted a rise in interest rates by the Federal Reserve Board. The Japanese

central bank intervened in exchange markets on several occasions during the quarter by selling yen, but this was perceived as an attempt to slow, rather than reverse, the rise of the yen.

Against other currencies, the U.S. dollar appreciated against the Canadian dollar after two quarters of depreciation, appreciated sharply against the Brazilian real after a decline in the second quarter, and depreciated against the Mexican peso for the third consecutive quarter. Against the British pound, the U.S. dollar was virtually unchanged.

Current Account

Goods and services

The deficit on goods and services increased to \$73.8 billion in the third quarter from \$65.1 billion in the second. The increase was accounted for by an increase in the deficit on goods, to \$92.1 billion from \$84.4 billion, and by a decrease in the surplus on services, to \$18.3 billion from \$19.3 billion.

Goods.—The deficit on goods increased \$7.7 billion, to \$92.1 billion, in the third quarter. Imports increased twice as much as exports.

Exports.—Exports increased \$7.7 billion, or 5 percent, to \$173.6 billion in the third quarter

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

	1998		1999			1998				1999								
	III	IV	I	II	III	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Nominal: ¹																		
Broad ²	103.5	100.3	101.4	102.1	101.7	103.4	100.6	100.5	99.8	100.0	101.5	102.7	102.1	101.9	102.4	102.4	101.6	101.1
Major currencies ³	107.0	101.3	101.7	104.1	103.0	104.7	101.1	101.9	101.0	100.0	101.5	103.6	103.8	103.8	104.7	104.9	102.8	101.3
Other important trading partners ⁴	99.3	99.0	100.9	99.7	100.1	101.7	100.0	98.7	98.4	100.0	101.4	101.4	100.0	99.5	99.6	99.4	100.1	100.8
Real: ¹																		
Broad ²	104.6	100.5	101.2	102.3	102.1	104.0	101.0	100.6	99.8	100.0	101.1	102.5	102.4	102.0	102.6	102.9	102.0	101.4
Major currencies ³	106.4	100.7	101.8	104.3	103.7	104.1	100.4	101.3	100.5	100.0	101.6	103.7	104.1	104.0	104.9	105.5	103.4	102.1
Other important trading partners ⁴	102.5	100.1	100.5	99.9	100.1	103.9	101.8	99.7	98.9	100.0	100.5	100.9	100.3	99.6	99.7	99.6	100.3	100.5
Selected currencies: (nominal) ⁵																		
Canada	99.7	101.6	99.5	96.9	97.8	100.2	101.7	101.4	101.6	100.0	98.6	99.9	97.9	96.2	96.7	98.0	98.3	97.2
European currencies:																		
Germany	104.4	98.6	103.3	109.7	110.5	100.7	97.1	99.7	99.0	100.0	103.5	106.5	108.3	109.0	111.7	111.8	109.3	110.4
France	104.4	98.6	103.3	109.7	110.5	100.7	97.1	99.7	98.9	100.0	103.5	106.5	108.3	109.0	111.7	111.8	109.3	110.4
Italy	104.1	98.6	103.3	109.7	110.5	100.6	97.1	99.7	99.0	100.0	103.5	106.5	108.3	109.0	111.7	111.8	109.3	110.4
Euro area ⁶	n.a.	n.a.	103.3	109.7	110.5	n.a.	n.a.	n.a.	n.a.	100.0	103.5	106.5	108.3	109.0	111.7	111.8	109.3	110.4
United Kingdom	99.8	98.5	101.1	102.7	103.0	98.1	97.4	99.3	98.7	100.0	101.4	101.8	102.5	102.1	103.4	104.7	102.7	101.5
Switzerland	106.0	98.2	102.9	109.3	110.2	101.0	96.5	100.0	98.2	100.0	103.0	105.8	108.0	108.8	111.0	111.7	108.9	110.1
Japan	123.6	105.5	102.8	106.7	99.8	118.7	106.9	106.2	103.3	100.0	103.0	105.5	105.7	107.7	106.6	105.3	99.9	94.3
Mexico	93.8	98.8	98.3	93.3	92.5	100.9	100.3	98.4	97.8	100.0	98.8	96.1	93.1	92.8	93.9	92.5	92.8	92.2
Brazil	77.5	79.1	117.8	113.7	123.2	78.1	78.6	78.9	79.7	100.0	127.4	126.0	112.6	111.5	116.9	119.2	124.7	125.6

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 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, Ireland, Italy, Luxembourg, Netherlands, Portugal, and Spain. Exchange rates (but not index values with January 1999=100) for the individual euro-area currencies can be derived from the euro exchange rate by using the fixed conversion rates (in currencies per euro) as shown below: 13.7603 Austrian schillings; 40.3399 Belgian francs; 5.94573 Finnish markkas; 6.55957 French francs; 1.93683 German marks; .787564 Irish pounds; 1936.27 Italian lira; 40.3399 Luxembourg francs; 2.20371 Netherlands guilders; 200.482 Portuguese escudos; 166.386 Spanish pesetas.

(table C). Quantities increased 4 percent, and prices rose 1 percent.² Nearly all the increase in value was attributable to increased exports of nonagricultural products.

Nonagricultural exports increased \$7.0 billion, or 5 percent, to \$160.6 billion; quantities increased 4 percent, and prices increased 1 percent. In value, the increase was mostly accounted for by increases in capital goods and in nonagricultural industrial supplies and materials; however, exports of all major commodity categories rose. Capital goods, excluding civilian aircraft, engines, and parts, rose \$3.5 billion, or 6 percent, to \$66.2 billion. Sales of many high-technology products were particularly strong. Reflecting strong global demand, exports of semiconductors grew for the fifth consecutive quarter since their slump in late 1997 and early 1998. Exports of telecommunications equipment and of computers, peripherals, and parts increased. Civilian aircraft, engines, and parts rebounded, increasing \$1.3 billion; an increase in aircraft deliveries to recovering economies in Asia more than offset a continued decrease in deliveries to Japan and Western Europe. Exports of nonagricultural industrial supplies and materials were boosted by sharply higher shipments of chemicals and nonmonetary gold.

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

Agricultural exports increased \$0.7 billion, or 5 percent, to \$12.9 billion in the third quarter; quantities increased 6 percent, and prices decreased 1 percent. In value, nearly all major commodities increased; nearly one-half of the increase was accounted for by soybean exports, mainly to China.

Imports.—Imports increased \$15.4 billion, or 6 percent, to \$265.7 billion in the third quarter (table C). Quantities increased 5 percent, and prices increased 1 percent. In value, both nonpetroleum imports and petroleum imports continued to increase strongly.

Nonpetroleum imports increased \$11.8 billion, or 5 percent, to \$246.1 billion; quantities increased 5 percent, and prices remained unchanged. The increase in value was widespread across all categories. Nonpetroleum industrial supplies and materials remained strong; nonmonetary gold accounted for over one-third of the increase, mainly reflecting purchases from Switzerland. In addition, chemicals posted a record quarterly increase, with purchases primarily from Western Europe, Canada, and Japan, and strong increases were posted by building materials, largely from Canada, Latin America, and Asia, and by paper and paper base stocks, largely from Canada. Automotive vehicles, engines, and parts, mostly passenger cars from Japan and Canada, were sharply higher. In capital goods, all major categories increased, but the increases in computers, peripherals, and parts, in semiconductors, and

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, quarterly estimates seasonally adjusted]¹

	Current dollars									Chained (1996) dollars ¹								
	1997	1998	1998				1999			1997 ^r	1998 ^r	1998				1999		
			I	II	III	IV	I	II ^r	III ^p			I ^r	II ^r	III ^r	IV ^r	I ^r	II ^r	III ^p
Exports	679,715	670,246	170,665	165,198	164,259	170,124	164,292	165,862	173,578	698,658	711,177	178,894	174,444	175,303	182,536	177,039	178,923	186,844
Agricultural products	58,425	53,106	14,017	13,203	12,300	13,586	11,832	12,260	12,931	62,585	62,654	16,056	15,352	14,678	16,568	14,716	15,678	16,642
Nonagricultural products	621,290	617,140	156,648	151,995	151,959	156,538	152,460	153,602	160,647	635,972	648,298	162,667	158,991	160,464	166,176	162,191	163,233	170,357
Imports	876,366	917,178	225,541	228,698	229,228	233,711	238,495	250,274	265,723	913,998	1,016,842	245,420	252,426	256,694	262,302	269,791	279,636	292,646
Petroleum and products	71,772	50,903	13,600	13,392	12,458	11,453	10,594	15,919	19,580	76,092	81,440	19,346	21,090	21,223	19,781	20,141	21,311	20,676
Nonpetroleum products	804,594	866,275	211,941	215,306	216,770	222,258	227,901	234,355	246,143	837,896	935,193	225,950	231,512	235,620	242,111	249,072	257,816	271,381

	Percent change from preceding period									Percent change from preceding period								
	1997	1998	1998				1999			1997 ^r	1998 ^r	1998				1999		
			I	II	III	IV	I	II ^r	III ^p			I ^r	II ^r	III ^r	IV ^r	I ^r	II ^r	III ^p
Exports	11.1	-1.4	-1.6	-3.2	-0.6	3.6	-3.4	1.0	4.7	14.2	1.8	-0.3	-2.5	0.5	4.1	-3.0	1.1	4.4
Agricultural products	-5.0	-9.1	-7.0	-5.8	-6.8	10.5	-12.9	3.6	5.5	1.8	.1	-2.8	-4.4	-4.4	12.9	-11.2	6.5	6.1
Nonagricultural products	12.8	-7	-1.1	-3.0	0	3.0	-2.6	.7	4.6	15.5	1.9	-2	-2.3	.9	3.6	-2.4	.6	4.4
Imports	9.1	4.7	.7	1.4	.2	2.0	2.0	4.9	6.2	13.8	11.3	3.6	2.9	1.7	2.2	2.9	3.6	4.7
Petroleum and products	-1.3	-29.1	-20.6	-1.5	-7.0	-8.1	-7.5	50.3	23.0	4.6	7.0	1.6	9.0	.6	-6.8	1.8	5.8	-3.0
Nonpetroleum products	10.1	7.7	2.4	1.6	.7	2.5	2.5	2.8	5.0	14.7	11.6	3.9	2.5	1.8	2.8	2.9	3.5	5.3

^p Preliminary.

^r Revised.

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

in telecommunications equipment were considerably less than in the second quarter. In contrast, civilian aircraft, engines, and parts were sharply higher. Consumer goods also increased strongly.

Petroleum imports increased \$3.7 billion, or 23 percent, to \$19.6 billion, the highest level since the fourth quarter of 1996. OPEC members and non-OPEC members each contributed about one-half to the growth. The increase was more than accounted for by the continued rise in prices, to \$18.61 per barrel in the third quarter from \$14.70 per barrel in the second. The average number of barrels imported daily decreased to 11.51 million from 11.86 million. Both production and consumption increased, while inventories declined.

Balances by area.—The deficit on goods with Asia, excluding Japan, increased \$6.4 billion, to \$41.9 billion, in the third quarter.³ The deficit with Western Europe increased \$1.4 billion, to \$14.5 billion. In contrast, the deficit with Latin America and Other Western Hemisphere decreased \$0.5 billion, to \$7.3 billion, and the deficit with Canada decreased \$0.4 billion, to \$7.8 billion.

Services.—The surplus on services decreased to \$18.3 billion in the third quarter from \$19.3 billion in the second. Service receipts increased to \$69.0 billion from \$68.7 billion, and service payments increased to \$50.7 billion from \$49.3 billion.

Travel receipts decreased to \$18.3 billion from \$18.4 billion. The decrease was mostly attributable to a decline in receipts from Canadian and Mexican visitors to the United States. Travel payments increased to \$15.2 billion from \$15.0 billion. A rise in payments by U.S. travelers to overseas countries and to Canada was partly offset by a decrease in payments by U.S. travelers to Mexico.

Passenger fare receipts increased to \$5.3 billion from \$5.2 billion, and passenger fare payments increased to \$5.5 billion from \$5.3 billion.

“Other” transportation receipts increased to \$6.9 billion from \$6.7 billion, mostly as a result of an increase in freight receipts and a small increase in port expenditure receipts. “Other” transportation payments increased to \$9.1 billion

from \$8.4 billion, mostly reflecting the continued rapid growth in freight payments; the increase in freight payments was largely due to an increase in import volumes and to higher freight rates on merchandise from Asia.

Receipts for “other” private services increased to \$24.7 billion from \$24.5 billion. Payments for “other” private services increased to \$13.5 billion from \$13.2 billion.

Income

The deficit on income increased to \$4.9 billion in the third quarter from \$4.6 billion in the second. Income receipts increased to \$69.6 billion from \$66.9 billion, and income payments increased to \$74.5 billion from \$71.5 billion.

Investment income.—Receipts of investment income on U.S.-owned assets abroad increased to \$69.1 billion from \$66.4 billion, and payments of investment income on foreign-owned assets in the United States increased to \$72.6 billion from \$69.6 billion.

Receipts of income on U.S. direct investment abroad increased to \$29.9 billion from \$28.5 billion. The increase was attributable to the continued rise in earnings, primarily in Western Europe and mostly in services and in electronics and other electrical equipment manufacturing. Earnings in other countries, primarily in Asia, also increased. Earnings in the petroleum industry also increased, as a result of rising crude oil prices.

Payments of income on foreign direct investment in the United States decreased to \$14.3 billion from a record \$14.5 billion. The decline was attributable to reduced—but still strong—earnings in manufacturing, particularly in pharmaceuticals and in “other” manufacturing, and to a shift to losses in finance. By area, the largest decreases were by Western European-owned affiliates and by Canadian-owned affiliates.

“Other” private income receipts increased to \$38.4 billion from \$37.1 billion. The increase was largely attributable to increases in average yields on all instruments, augmented by higher average holdings of U.S.-held foreign stocks and by higher U.S. nonbank financial claims.

“Other” private income payments increased to \$34.2 billion from \$32.0 billion. The increase was mostly due to higher average yields, to higher average foreign holdings of U.S. corporate stocks and bonds, and to higher U.S. nonbank liabilities.

U.S. Government income receipts decreased slightly to \$0.8 billion, and U.S. Government in-

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 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.)

come payments increased to \$24.1 billion from \$23.2 billion.

Compensation of employees.—Receipts for compensation of U.S. workers abroad were unchanged at \$0.5 billion, and payments for compensation of foreign workers in the United States were unchanged at \$1.9 billion.

Unilateral current transfers

Net unilateral current transfers were unchanged at a negative \$11.2 billion in the third quarter. Increases in private remittances and other transfers were offset by decreases in U.S. Government grants.

Capital Account

Net capital account transactions—which consist mainly of debt forgiveness and transfers of goods and financial assets by migrants as they enter or leave the country—were unchanged at \$0.2 billion in the third quarter.

Financial Account

Net recorded financial inflows—the difference between changes in U.S.-owned assets abroad and changes in foreign-owned assets in the United States—were \$105.7 billion in the third quarter, down from \$119.6 billion (revised) in the second. Outflows for U.S.-owned assets abroad and inflows for foreign-owned assets in the United States both slowed, but inflows decreased more than outflows.

U.S.-owned assets abroad

Net U.S.-owned assets abroad increased \$101.5 billion in the third quarter, following an increase of \$154.7 billion in the second. The slowdown was largely accounted for by reduced net U.S. purchases of foreign securities and by a shift to a small decrease in U.S. claims on foreigners reported by U.S. banks from a large increase in the second quarter.

U.S. official reserve assets.—Net U.S. official reserve assets decreased \$2.0 billion in the third quarter, following a decrease of \$1.2 billion in the second (table D). The third-quarter decrease was more than accounted for by a decrease in the U.S. reserve position in the International Monetary Fund.

Claims reported by banks.—U.S. claims on foreigners reported by U.S. banks decreased \$0.4 billion in the third quarter, in contrast to an increase of \$42.5 billion in the second. The shift was mostly accounted for by sharply reduced demand for dollar credits.

Banks' own claims payable in dollars increased \$6.8 billion after a \$39.6 billion increase. The slowdown reflected the following third-quarter developments: U.S. short-term interest rates rose more rapidly than foreign rates; overseas loan demand contracted, particularly in Western Europe, following a surge in foreign merger and acquisition activity in the second quarter; and the U.S. dollar weakened in exchange markets. Sizeable lending by U.S.-owned banks to offices in several Western European countries, the United Kingdom, and the Caribbean and continued lending by securities brokers to private foreigners were partly offset by net repayments to foreign-

Table D.—Selected Transactions with Official Agencies

(Millions of dollars)

	1998	1998				1999			Change: 1999 II–III	January–September		
		I	II	III	IV	I	II ^r	III ^p		1998	1999	Change: 1998–99
Changes in foreign official assets in the United States, net (decrease –) (table 1, line 56)	–21,684	11,004	–10,551	–46,489	24,352	4,708	–628	12,106	12,734	–46,036	16,186	62,222
Industrial countries ¹	–7,025	–56	–9,740	–6,174	8,945	3,330	1,447	13,983	12,536	–15,970	18,760	34,730
Members of OPEC ²	–11,499	–1,257	–657	–11,642	2,057	2,058	1,966	–1,047	–3,013	–13,556	2,977	16,533
Other countries	–3,160	12,317	–154	–28,673	13,350	–680	–4,041	–830	3,211	–16,510	–5,551	10,959
Changes in U.S. official reserve assets, net (increase –) (table 1, line 41)	–6,784	–444	–1,945	–2,026	–2,369	4,068	1,159	1,950	791	–4,415	7,177	11,592
Activity under U.S. official reciprocal currency arrangements with foreign monetary authorities: ³												
Foreign drawings, or repayments (–), net												
Drawings												
Repayments												

^p Preliminary.

^r Revised.

1. Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

2. Based on data for Ecuador, Venezuela, Indonesia, and other Asian and African oil-exporting countries. Excludes

Ecuador beginning January 1993 and Gabon beginning January 1995.

3. Consists of transactions of the Federal Reserve System and the U.S. Treasury Department's Exchange Stabilization Fund.

owned banks in the United States, after heavy lending in the second quarter.

Banks' own claims payable in foreign currencies increased \$7.3 billion, in contrast to a \$10.9 billion decrease. Depreciation of the U.S. dollar during the third quarter stimulated demand for foreign currency credit. The increase in banks' own claims on Japan, Canada, and some Western European countries largely reversed second-quarter repayments.

Banks' domestic customers' claims payable in dollars decreased \$2.6 billion, in contrast to an increase of \$1.4 billion. The decrease was more than accounted for by U.S. banks' domestic customers withdrawing dollar deposits, mostly from banks in Western Europe, Canada, and Asia. Banks' domestic customers' claims payable in foreign currencies decreased \$11.9 billion, following an increase of \$12.4 billion.

Foreign securities.—Net U.S. purchases of foreign securities decreased to \$26.5 billion in the third quarter from \$64.6 billion in the second (chart 3). The decline was more than accounted for by a drop in net U.S. purchases of foreign stocks to \$19.2 billion from \$67.7 billion, as a result of a sharp dropoff in the financing of acquisitions of U.S. companies by foreign companies, largely by exchanges of stock. Excluding the effect of stock-financed acquisitions, transactions in foreign stocks shifted to small net U.S. purchases after four quarters of net U.S. sales. Net U.S. transactions in foreign bonds shifted to net U.S. purchases of \$7.3 billion from net U.S. sales of \$3.1 billion.

Data Availability

The current and historical estimates that are presented in tables 1–10 of the U.S. international transactions accounts are available as compressed files on BEA's Web site at <www.bea.doc.gov>; under "International," click on "Data," and look under "Balance of Payments."

The estimates are also available from BEA on the following diskettes:

- *U.S. International Transactions.* The most recently released annual and quarterly estimates are available as a 1-year subscription (four installments)—product number IDS-0001, price \$80.00. The subscription also includes the diskette of the historical estimates (see below).

- *U.S. International Transactions, Third Quarter 1999.* Annual estimates for 1998 and quarterly estimates for 1998:I–1999:III on a single diskette—product number IDN-0243, price \$20.00.

- *U.S. International Transactions, Historical Series.* All the available historical annual and quarterly estimates on a single diskette, for some series as far back as 1960—product number IDN-0237, price \$20.00.

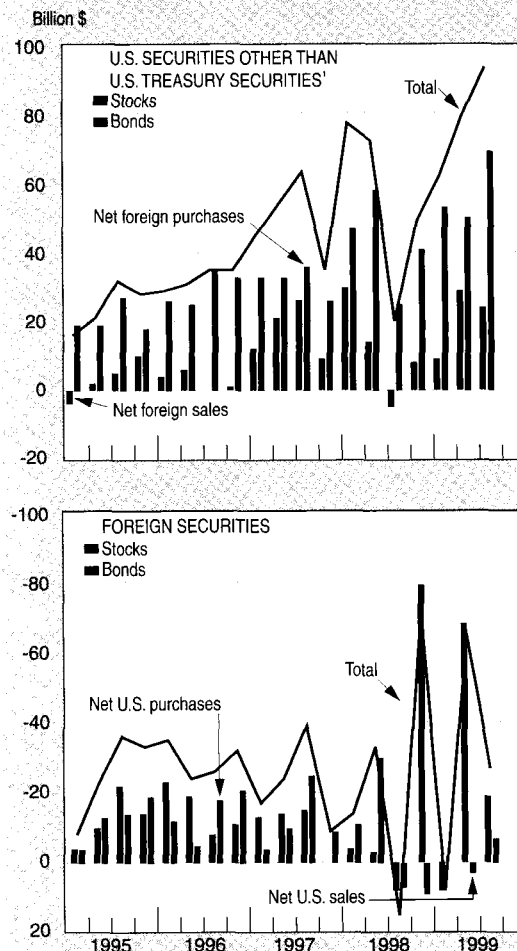
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Net U.S. purchases of foreign stocks from Japan were strong for the third consecutive quarter, as Japanese stock prices continued their strong rise in 1999, bolstered by proposed economic policy reforms and expectations of economic recovery. In contrast, net U.S. sales of foreign stocks to Western Europe slowed, as stock market prices there lagged over concerns about rising petroleum prices and rising interest rates, about whether economic growth would accelerate, and about the continued weak, but recovering, euro in exchange markets. Net U.S. purchases from Latin America slowed sharply, as most stock market prices there declined. Net transactions with Australia shifted to large net U.S. sales following net U.S. purchases. Net U.S. sales to other Asian emerging markets continued.

The shift to net U.S. purchases of foreign bonds was mostly attributable to a large shift

CHART 3

Securities Transactions



1. Excluding transactions of foreign official agencies.

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

to net U.S. purchases of outstanding foreign bonds, primarily from the United Kingdom, following four quarters of large net U.S. sales. Rising European bond yields in July and August and a modest recovery of the euro in exchange markets during the quarter provided U.S. investors with higher yield opportunities in foreign currency-denominated bonds. Foreign new issues in the United States slowed in the third quarter—though Western European issues remained strong—as deteriorating investor confidence in emerging market debt and anticipated interest rate hikes in the United States dampened U.S. investors' demand for foreign new issues.

Direct investment.—Net financial outflows for U.S. direct investment abroad were \$44.5 billion in the third quarter, up from \$31.6 billion in the second. Net equity capital outflows increased sharply, mainly from an increase in acquisitions in Western Europe, particularly the United Kingdom, and in Japan, and partly from the absence of the large equity capital inflows in the second quarter that resulted from divestitures. Reinvested earnings increased, mostly in Western Europe, and net intercompany debt shifted to small inflows, primarily from Other Western Hemisphere.

Foreign-owned assets in the United States

Net foreign-owned assets in the United States increased \$207.2 billion in the third quarter, following an increase of \$274.3 billion in the second. The slowdown was more than accounted for by sharply reduced net inflows for foreign direct investment in the United States, as the pace of foreign acquisitions of U.S. companies slowed from the exceptionally strong inflows in the second quarter. In contrast, the pace of foreign investment in U.S. stocks and corporate bonds accelerated sharply.

Foreign official assets.—Net foreign official assets in the United States increased \$12.1 billion in the third quarter, in contrast to a decrease of \$0.6 billion in the second (table D). The increase was more than accounted for by an increase in assets of several industrial and non-OPEC developing countries. Assets of OPEC countries decreased.

Liabilities reported by banks.—U.S. liabilities to foreigners reported by U.S. banks, excluding U.S. Treasury securities, increased \$31.0 billion in the third quarter, down from a \$34.9 billion increase in the second. The third-quarter increase partly reflected the fact that short-term yields

were more favorable in the United States than overseas, leading to increased placement of funds in U.S. banks by private foreigners.

Banks' own liabilities payable in dollars increased \$8.7 billion, following a \$45.7 billion increase. The slowdown reflected large repayments by U.S. banks to branches overseas, particularly by foreign-owned banks to branches in the Caribbean, and by brokers and dealers. A sharp contraction in U.S. banks' domestic financing requirements and in foreign merger-related lending also contributed to the slowdown. In contrast, inflows from "other" private foreigners, mostly in Western Europe, and from unaffiliated banks continued to be strong, primarily because short-term interest rates were more favorable in the United States than overseas.

Bank-reported liabilities payable in foreign currencies increased \$8.8 billion, in contrast to a \$1.8 billion decrease. The increase was mostly accounted for by inflows from the Caribbean and from Japan.

Banks' custody liabilities payable in dollars increased \$13.5 billion, in contrast to a decrease of \$9.0 billion. The increase was mostly accounted for by an increase in custody liabilities to Western Europe and, to a lesser extent, to the Caribbean.

U.S. Treasury securities.—Net foreign transactions in U.S. Treasury securities shifted to net foreign purchases of \$9.7 billion in the third quarter from net foreign sales of \$5.4 billion in the second. The shift was partly attributable to sharply higher yields on U.S. Treasury bonds over shorter term dollar assets, which led to increased net foreign purchases, mostly from the Caribbean.

Other U.S. securities.—Net foreign purchases of U.S. securities other than U.S. Treasury securities increased to a record of \$93.1 billion in the third quarter, following the previous record of \$79.1 billion in the second (chart 3). Net foreign purchases of U.S. stocks slowed to \$24.1 billion from \$29.0 billion, but net foreign purchases of U.S. corporate and other bonds surged to a record \$69.0 billion from \$50.1 billion.

The surge in net foreign purchases of U.S. corporate and other bonds was mostly attributable to the relatively higher yields on U.S. corporate and other long-term debt securities than on U.S. Treasury bonds and on European and Japanese long-term bonds. Net foreign purchases from Western Europe increased sharply, mostly from large placements of U.S. corporate Eurobonds through the London market. Net

foreign purchases of U.S. federally sponsored agency bonds increased, as relatively high yields and low risk attracted foreign investors. Net foreign purchases of outstanding U.S. corporate bonds also increased, mostly from Latin America, from Caribbean-based investment funds, and, to a lesser extent, from Japan and other Asian countries.

Net foreign purchases of U.S. corporate stocks declined somewhat from their strong second-quarter level; stock prices were mostly unchanged in the third quarter, as prospects for continued economic growth in the United States were offset by concerns over inflation and interest-rate hikes and by the rise in petroleum prices. Net foreign purchases from the United Kingdom increased strongly, while net purchases from other Western European countries slowed. Japan stepped up its net purchases of U.S. stocks, while investment funds in the Caribbean shifted to net sales.

U.S. currency.—Net shipments of U.S. currency from the United States were \$4.7 billion in the third quarter, up from \$3.1 billion in the second.

Direct investment.—Net financial inflows for foreign direct investment in the United States slowed sharply to \$44.5 billion in the third quarter from \$154.4 billion in the second. Net equity inflows fell as a result of a sharp decrease in acquisitions of U.S. companies by foreign companies. However, equity inflows remained strong, reflecting both new acquisitions and capital contributions to existing affiliates; the inflows were mostly in the insurance and telecommunications equipment industries and were mostly from Western Europe, Canada, and the Caribbean. Reinvested earnings and net intercompany debt inflows both increased.


Tables 1 through 10 follow. 

Table 1.—U.S. International Transactions
(Millions of dollars)

Line	(Credits +; debits -) ¹	1998	Not seasonally adjusted						Seasonally adjusted					
			1998			1999			1998			1999		
			II	III	IV	I	II*	III*	II	III	IV	I	II*	III*
Current account														
1	Exports of goods and services and income receipts	1,192,231	299,641	288,254	303,581	293,632	302,257	306,910	298,463	291,493	299,985	295,932	301,369	312,189
2	Exports of goods and services	933,907	232,905	226,261	241,003	229,124	235,175	239,619	231,889	229,284	236,904	231,904	234,512	242,626
3	Goods, balance of payments basis ²	670,246	168,021	157,386	174,468	163,344	168,453	166,436	165,198	164,259	170,124	164,292	165,862	173,578
4	Services ³	263,661	64,884	68,875	66,535	65,780	66,722	73,183	68,691	65,025	68,780	67,612	68,650	69,048
5	Transfers under U.S. military agency sales contracts ⁴	17,155	4,489	3,979	4,081	4,340	4,099	4,257	4,489	3,979	4,081	4,340	4,099	4,257
6	Travel	71,250	18,119	20,354	17,125	15,809	18,271	21,661	18,260	17,149	17,938	18,138	18,437	18,322
7	Passenger fares	19,996	5,000	5,733	4,682	4,651	5,049	6,051	5,185	5,052	4,843	4,995	5,240	5,332
8	Other transportation	25,518	6,261	6,367	6,689	6,362	6,727	6,951	6,268	6,339	6,575	6,501	6,731	6,921
9	Royalties and license fees ⁵	36,808	8,716	8,868	10,571	9,124	9,063	9,189	9,002	9,029	9,894	9,337	9,365	9,317
10	Other private services ⁵	92,116	22,108	23,377	23,178	25,288	23,266	24,871	23,296	23,278	23,240	24,095	24,531	24,696
11	U.S. Government miscellaneous services	818	191	199	209	206	247	203	191	199	209	206	247	203
12	Income receipts	258,324	66,736	61,993	62,578	64,508	67,082	69,291	66,574	62,209	63,081	64,028	66,857	69,583
13	Income receipts on U.S.-owned assets abroad	256,467	66,273	61,528	62,113	64,038	66,611	68,821	66,111	61,744	62,617	63,558	66,386	69,093
14	Direct investment receipts	102,846	27,095	22,779	25,168	27,313	28,890	29,539	26,744	23,124	25,639	26,910	28,486	29,916
15	Other private receipts	150,001	38,412	37,744	36,019	35,760	37,072	38,426	38,412	37,744	36,019	35,760	37,072	38,426
16	U.S. Government receipts	3,620	766	1,005	926	965	649	856	955	876	959	888	828	751
17	Compensation of employees	1,857	463	465	465	470	471	470	463	465	464	470	471	470
18	Imports of goods and services and income payments	-1,368,718	-341,493	-351,539	-351,384	-342,780	-371,764	-397,886	-340,977	-344,182	-348,180	-354,246	-371,066	-390,934
19	Imports of goods and services	-1,098,189	-273,914	-282,050	-283,536	-275,023	-299,857	-323,064	-273,850	-275,008	-280,166	-285,878	-299,597	-316,451
20	Goods, balance of payments basis ²	-917,178	-227,633	-232,395	-239,118	-230,903	-249,336	-268,109	-228,698	-229,228	-233,711	-238,495	-250,274	-265,723
21	Services ³	-181,011	-46,281	-49,855	-44,418	-44,120	-50,521	-54,955	-45,152	-45,780	-46,455	-47,383	-49,323	-50,728
22	Direct defense expenditures	-12,841	-3,061	-3,276	-3,406	-3,503	-3,593	-3,850	-3,061	-3,276	-3,406	-3,503	-3,593	-3,850
23	Travel	-56,105	-15,193	-17,234	-12,016	-12,543	-16,063	-18,636	-14,168	-14,070	-14,131	-14,847	-14,960	-15,191
24	Passenger fares	-19,797	-5,325	-5,722	-4,518	-4,691	-5,711	-6,147	-4,958	-5,085	-5,125	-5,114	-5,316	-5,456
25	Other transportation	-30,457	-7,533	-7,820	-7,957	-7,554	-8,290	-9,230	-7,590	-7,700	-7,849	-7,726	-8,362	-9,102
26	Royalties and license fees ⁵	-11,292	-2,587	-2,885	-3,081	-3,162	-3,073	-2,881	-2,694	-2,721	-2,923	-3,176	-3,197	-2,921
27	Other private services ⁵	-47,670	-11,915	-12,153	-12,695	-11,985	-13,062	-13,455	-12,014	-12,163	-12,276	-12,335	-13,166	-13,452
28	U.S. Government miscellaneous services	-2,849	-667	-765	-745	-682	-729	-756	-667	-765	-745	-682	-729	-756
29	Income payments	-270,529	-67,579	-69,489	-67,848	-67,757	-71,907	-74,822	-67,127	-69,174	-68,014	-68,388	-71,469	-74,483
30	Income payments on foreign-owned assets in the United States	-263,423	-65,898	-67,631	-65,907	-66,024	-70,138	-72,871	-65,376	-67,381	-66,188	-66,504	-69,611	-72,613
31	Direct investment payments	-43,441	-11,089	-11,540	-10,800	-11,596	-15,023	-14,517	-10,587	-11,290	-11,081	-12,076	-14,496	-14,259
32	Other private payments	-128,883	-31,849	-33,314	-32,408	-31,759	-31,960	-34,207	-31,849	-33,314	-32,408	-31,759	-31,960	-34,207
33	U.S. Government payments	-91,119	-22,960	-22,777	-22,699	-22,669	-23,155	-24,147	-22,960	-22,777	-22,699	-22,669	-23,155	-24,147
34	Compensation of employees	-7,106	-1,681	-1,858	-1,941	-1,733	-1,769	-1,951	-1,751	-1,793	-1,826	-1,884	-1,858	-1,870
35	Unilateral current transfers, net	-44,075	-9,494	-10,807	-13,831	-10,420	-10,744	-11,179	-9,886	-10,787	-13,474	-10,340	-11,212	-11,204
36	U.S. Government grants ⁴	-13,057	-2,168	-2,807	-6,742	-2,200	-2,760	-2,700	-2,168	-2,807	-5,742	-2,200	-2,760	-2,700
37	U.S. Government pensions and other transfers	-4,350	-919	-865	-1,541	-893	-857	-897	-1,095	-1,106	-1,071	-1,104	-1,116	-1,107
38	Private remittances and other transfers ⁶	-26,668	-6,407	-6,935	-6,548	-7,327	-7,127	-7,482	-6,623	-6,874	-6,661	-7,036	-7,336	-7,397
Capital and financial account														
Capital account														
39	Capital account transactions, net	617	160	148	166	166	178	166	160	148	166	166	178	166
Financial account														
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-292,818	-121,852	-63,492	-44,586	-18,746	-156,044	-102,510	-120,517	-62,097	-50,607	-15,148	-154,713	-101,483
41	U.S. official reserve assets, net	-6,784	-1,945	-2,026	-2,369	4,068	1,159	1,950	-1,945	-2,026	-2,369	4,068	1,159	1,950
42	Gold ⁷	-149	72	188	-227	563	-190	-185	72	188	-227	563	-190	-185
43	Special drawing rights	-5,118	-1,031	-2,078	-1,924	3	1,413	2,268	-1,031	-2,078	-1,924	3	1,413	2,268
44	Reserve position in the International Monetary Fund	-1,517	-886	-136	-218	3,502	-64	-133	-886	-136	-218	3,502	-64	-133
45	Foreign currencies	-429	-483	185	-50	119	-392	-673	-483	185	-50	119	-392	-673
46	U.S. Government assets, other than official reserve assets, net	-4,676	-1,156	-1,285	-1,043	-1,304	-2,167	-1,591	-1,156	-1,285	-1,043	-1,304	-2,167	-1,591
47	U.S. credits and other long-term assets	4,102	699	1,332	938	1,545	1,887	1,020	699	1,332	938	1,545	1,887	1,020
48	Repayments on U.S. credits and other long-term assets ⁸	145	-26	138	55	-122	-102	-102	-26	138	55	-122	-102	-102
49	U.S. foreign currency holdings and U.S. short-term assets, net	-285,605	-119,424	-61,851	-42,167	-22,933	-156,811	-103,787	-118,089	-60,256	-48,188	-19,335	-155,480	-102,760
50	Direct investment	-132,829	-44,507	-22,981	-24,752	-44,983	-32,897	-45,562	-43,172	-21,586	-30,773	-41,385	-34,586	-44,535
51	Foreign securities	-102,817	-32,886	14,994	-70,809	8,132	-64,579	-26,511	-32,886	14,994	-70,809	8,132	-64,579	-26,511
52	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-25,041	-14,327	-20,320	16,202	-13,853	-16,816	-32,098	-14,327	-20,320	16,202	-13,853	-16,816	-32,098
53	U.S. claims reported by U.S. banks, not included elsewhere	-24,918	-27,704	-33,344	37,192	27,771	-42,519	384	-27,704	-33,344	37,192	27,771	-42,519	384
54	Foreign-owned assets in the United States, net (increase/financial inflow(+))	502,637	163,275	94,776	147,893	88,636	275,220	208,177	162,466	93,547	149,			

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

Line		1998	Not seasonally adjusted						Seasonally adjusted							
			1998				1999		1998				1999			
			I	II	III	IV	I	II ^a	III ^a	I	II	III	IV	I	II ^a	III ^a
A	Balance of payments adjustments to Census trade data:															
	EXPORTS															
1	Exports of goods, Census basis ¹ including reexports and including military grant shipments	682,138	172,703	170,341	160,624	178,470	166,448	171,792	169,411	172,997	167,517	167,499	174,125	167,396	169,199	176,553
	Adjustments:															
2	Private gift parcel remittances	567	157	147	132	131	139	145	161	157	147	132	131	139	145	161
3	Gold exports, nonmonetary						27							27		
4	Inland U.S. freight to Canada															
5	U.S.-Canadian reconciliation adjustments, n.e.c., net ²															
6	Exports transferred under U.S. military agency sales contracts identified in Census documents ³	-10,903	-2,338	-2,095	-2,837	-3,633	-2,669	-2,853	-2,404	-2,338	-2,095	-2,837	-3,633	-2,669	-2,853	-2,404
7	Other adjustments, net ⁴	-1,556	-151	-372	-533	-500	-601	-631	-732	-151	-372	-533	-500	-601	-631	-732
8	Equals: Exports of goods, adjusted to balance of payments basis excluding "military" (table 1, line 3)	670,246	170,371	168,021	157,386	174,468	163,344	168,453	166,436	170,665	165,198	164,259	170,124	164,292	165,862	173,578
	IMPORTS															
9	Imports of goods, Census basis ¹ (general imports)	911,896	216,714	226,659	230,785	237,738	230,293	248,575	266,586	224,223	227,724	227,618	232,331	237,885	249,513	264,200
	Adjustments:															
10	Electric energy	49	8	10	11	20	12	12	12	8	10	11	20	12	12	12
11	Gold imports, nonmonetary	2,908	686	333	1,093	796		112	1,083	686	333	1,093	796		112	1,083
12	Inland freight in Canada	3,572	926	939	835	872	907	925	885	926	939	835	872	907	925	885
13	U.S.-Canadian reconciliation adjustment, n.e.c., net ²															
14	Imports of U.S. military agencies identified in Census documents ³	-1,200	-301	-306	-311	-282	-273	-266	-231	-301	-306	-311	-282	-273	-266	-231
15	Other adjustments, net ⁴	-47	-1	-2	-18	-26	-36	-22	-226	-1	-2	-18	-26	-36	-22	-226
16	Equals: Imports of goods, adjusted to balance of payments basis, excluding "military" (table 1, line 20)	917,178	218,032	227,633	232,395	239,118	230,903	249,336	268,109	225,541	228,698	229,228	233,711	238,495	250,274	265,723
B	Trade in goods, by area and country, adjusted to balance of payments basis, excluding military: ⁷															
	EXPORTS															
1	Total, all countries (A-8)	670,246	170,371	168,021	157,386	174,468	163,344	168,453	166,436	170,665	165,198	164,259	170,124	164,292	165,862	173,578
2	Western Europe	159,107	41,240	39,587	37,191	41,089	41,287	40,173	37,697	41,320	38,857	38,795	40,135	41,571	39,465	39,277
3	European Union	145,926	38,360	36,444	34,161	36,961	38,499	36,847	34,446	38,439	35,782	35,624	36,101	38,770	36,193	35,887
4	Belgium and Luxembourg	14,265	3,907	3,559	3,376	3,423	3,465	3,206	3,183	3,916	3,487	3,523	3,339	3,470	3,153	3,313
5	France	17,522	4,688	4,403	3,863	4,568	5,014	4,618	3,944	4,707	4,318	4,025	4,472	5,068	4,525	4,103
6	Germany ⁸	26,388	6,391	6,561	6,288	7,148	6,862	6,560	6,063	6,412	6,440	6,552	6,984	6,871	6,443	6,315
7	Italy	8,911	2,379	2,156	2,019	2,357	2,299	2,556	2,243	2,388	2,119	2,105	2,299	2,317	2,512	2,344
8	Netherlands	18,816	5,103	4,481	4,285	4,947	4,741	4,656	4,673	5,115	4,401	4,472	4,828	4,771	4,585	4,863
9	United Kingdom	37,899	10,085	9,771	9,302	8,741	9,809	9,302	8,967	10,094	9,574	9,686	8,545	9,924	9,129	9,354
10	Other	22,125	5,807	5,513	5,028	5,777	6,309	5,949	5,373	5,807	5,423	5,261	5,634	6,349	5,846	5,595
11	Western Europe, excluding EU	13,181	2,880	3,143	3,030	4,128	2,788	3,326	3,251	2,881	3,095	3,171	4,034	2,801	3,272	3,390
12	Canada ²	156,810	39,646	40,835	35,892	40,437	40,070	42,857	39,594	39,767	40,129	37,372	39,542	40,276	42,163	41,163
13	Japan	56,595	14,800	14,063	14,042	13,690	14,432	13,328	13,586	14,764	13,894	14,692	13,245	14,472	13,218	14,239
14	Australia, New Zealand, and South Africa ⁹															
15	Australia	11,775	3,117	2,838	2,918	2,902	2,543	2,758	2,938	3,127	2,777	3,038	2,833	2,565	2,707	3,054
16	Eastern Europe	7,365	1,999	2,299	1,655	1,412	1,213	1,304	1,458	1,961	2,284	1,745	1,375	1,204	1,298	1,529
17	Latin America and Other Western Hemisphere	141,599	35,309	35,517	34,410	36,363	32,125	34,060	35,417	35,361	34,910	35,899	35,429	32,362	33,539	36,949
18	Brazil	15,029	3,470	3,786	3,677	4,096	2,974	3,291	3,341	3,484	3,710	3,832	4,003	3,019	3,228	3,477
19	Mexico	78,388	19,507	19,175	19,129	20,577	18,738	20,395	22,146	19,556	18,844	19,931	20,057	18,863	20,073	23,088
20	Venezuela	6,462	1,851	1,762	1,433	1,416	1,443	1,278	1,381	1,855	1,729	1,499	1,379	1,451	1,260	1,450
21	Other	41,720	10,481	10,794	10,171	10,274	8,970	9,096	8,549	10,466	10,627	10,637	9,990	9,029	8,978	8,934
22	Other countries in Asia and Africa ^{7,9}	136,995	34,260	32,882	31,278	38,575	31,674	33,973	35,746	34,365	32,347	32,718	37,565	31,842	33,472	37,367
23	Asia ^{7,9}	125,980	31,684	30,273	28,523	35,500	29,327	31,443	33,292	31,804	29,772	29,818	34,586	29,494	30,957	34,786
24	Members of OPEC	15,455	4,104	3,490	3,043	4,818	2,844	2,532	2,264	4,118	3,429	3,192	4,716	2,843	2,499	2,391
25	China	13,977	3,180	3,116	3,172	4,509	2,777	3,556	3,518	3,209	3,066	3,312	4,390	2,784	3,489	3,668
26	Hong Kong	12,849	3,192	3,410	3,097	3,150	2,986	2,989	3,265	3,195	3,361	3,230	3,063	2,983	2,950	3,409
27	Korea, Republic of	15,782	3,369	3,700	3,532	5,181	4,729	5,655	6,024	3,369	3,664	3,706	5,043	4,732	5,580	6,294
28	Singapore	15,557	3,914	3,805	3,948	3,890	3,875	3,693	4,388	3,935	3,716	4,104	3,802	3,929	3,620	4,562
29	Taiwan	17,234	4,688	4,098	3,753	4,695	3,791	4,199	4,598	4,710	4,033	3,927	4,564	3,822	4,145	4,820
30	Africa ^{7,9}	10,584	2,482	2,495	2,625	2,982	2,274	2,394	2,333	2,467	2,462	2,765	2,890	2,275	2,379	2,454
31	Members of OPEC	1,465	421	310	359	375	310	233	305	414	310	380	361	312	234	324
32	International organizations and unallocated															
	Memoranda:															
33	Industrial countries ⁷	389,758	100,019	98,643	91,291	99,805	99,352	100,085	95,033	100,198	96,954	95,201	97,405	99,911	98,507	98,998
34	Of which: Euro area ¹⁰						26,806	25,846	23,969					26,949	25,394	24,959
35	Members of OPEC ⁷	23,382	6,376	5,562	4,835	6,609	4,597	4,043	3,950	6,387	5,468	5,071	6,456	4,606	3,993	4,165
36	Other countries ⁷	257,106	63,976	63,816	61,260	68,054	59,395	64,325	67,453	64,080	62,776	63,987	66,263	59,775	63,362	70,415

See footnotes on page 111.

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

Line		1998	Not seasonally adjusted						Seasonally adjusted							
			1998				1999		1998				1999			
			I	II	III	IV	I	II ^a	III ^a	I	II	III	IV	I	II ^a	III ^a
B	Trade in goods, by area and country, adjusted to balance of payments basis, excluding military ⁷ —Continued:															
	IMPORTS															
37	Total, all countries (A-16)	917,178	218,032	227,633	232,395	239,118	230,903	249,336	268,109	225,541	228,696	229,228	233,711	238,495	250,274	265,723
38	Western Europe	194,016	45,018	48,154	48,533	52,311	48,566	52,424	54,252	46,554	48,401	47,884	51,177	50,109	52,629	53,811
39	European Union	176,081	40,893	43,973	44,029	47,386	44,717	47,919	48,921	42,106	44,196	43,434	46,345	46,152	48,106	48,521
40	Belgium and Luxembourg	8,769	2,164	2,139	2,176	2,290	2,451	2,412	2,195	2,242	2,149	2,141	2,237	2,521	2,422	2,177
41	France	24,005	5,392	6,120	6,022	6,471	6,098	6,276	6,819	5,586	6,154	5,942	6,323	6,296	6,304	6,563
42	Germany ⁸	49,727	11,468	12,355	12,042	13,862	12,466	13,673	13,696	11,843	12,428	11,885	13,571	12,842	13,730	13,588
43	Italy	20,942	5,023	5,138	5,240	5,541	5,229	5,616	5,675	5,196	5,159	5,171	5,416	5,398	5,636	5,633
44	Netherlands	7,545	1,686	1,889	1,897	2,073	1,852	1,943	2,052	1,750	1,898	1,873	2,024	1,909	1,950	2,034
45	United Kingdom	34,416	8,110	8,703	8,579	9,024	8,823	9,612	9,918	8,391	8,742	8,457	9,826	9,119	9,652	9,830
46	Other	30,677	6,850	7,629	8,073	8,125	7,798	8,387	8,766	7,098	7,666	7,965	7,948	8,067	8,412	8,696
47	Western Europe, excluding EU	17,935	4,325	4,181	4,504	4,925	3,849	4,505	5,331	4,448	4,205	4,450	4,832	3,957	4,523	5,290
48	Canada ²	175,806	43,231	44,796	41,779	46,000	47,684	50,096	49,408	44,685	45,003	41,172	44,946	49,246	50,302	48,937
49	Japan	121,850	30,327	29,952	29,837	31,734	31,098	30,849	33,435	31,403	30,068	29,392	30,987	32,082	30,954	33,146
50	Australia, New Zealand, and South Africa ⁹															
51	Australia	5,372	1,262	1,435	1,315	1,360	1,093	1,372	1,447	1,306	1,441	1,297	1,328	1,139	1,378	1,435
52	Eastern Europe	10,899	2,423	2,858	2,874	2,744	2,402	3,096	2,856	2,513	2,867	2,834	2,685	2,470	3,109	2,830
53	Latin America and Other Western Hemisphere	145,730	34,759	36,683	36,492	37,796	37,327	41,166	44,660	35,872	36,864	36,026	36,968	38,471	41,320	44,247
54	Brazil	10,102	2,281	2,647	2,683	2,491	2,387	2,874	3,068	2,365	2,658	2,645	2,434	2,469	2,883	3,039
55	Mexico	95,454	22,523	23,961	23,814	25,156	24,940	27,169	28,853	23,273	24,093	23,505	24,583	25,717	27,273	28,591
56	Venezuela	9,180	2,479	2,347	2,192	2,162	1,841	2,626	3,328	2,518	2,355	2,176	2,131	1,883	2,634	3,293
57	Other	30,994	7,476	7,728	7,803	7,987	8,159	8,497	9,411	7,716	7,758	7,700	7,820	8,402	8,530	9,324
58	Other countries in Asia and Africa ^{7,9}	263,505	61,012	63,755	71,565	67,173	62,733	70,333	82,051	63,208	64,054	70,623	65,620	64,978	70,582	81,317
59	Asia ^{7,9}	247,324	56,814	59,345	67,611	63,754	59,223	66,188	77,346	58,721	59,631	66,712	62,260	61,375	66,423	76,657
60	Members of OPEC	18,905	4,651	4,563	5,088	4,603	4,517	5,539	6,896	4,763	4,586	5,039	4,517	4,640	5,559	6,829
61	China	71,170	14,811	16,823	20,462	19,074	16,428	19,300	23,629	15,431	16,931	20,205	18,603	17,097	19,368	23,413
62	Hong Kong	10,540	2,317	2,486	3,134	2,603	2,233	2,362	3,083	2,413	2,496	3,093	2,538	2,326	2,368	3,055
63	Korea, Republic of	23,914	5,619	5,917	6,076	6,302	6,447	7,487	8,139	5,828	5,938	5,986	6,162	6,666	7,514	8,065
64	Singapore	18,353	4,545	4,686	4,616	4,506	4,170	4,509	4,756	4,699	4,705	4,547	4,402	4,310	4,527	4,718
65	Taiwan	33,111	7,777	8,009	8,686	8,639	7,970	8,699	9,114	8,066	8,042	8,561	8,442	8,253	8,732	9,035
66	Africa ^{7,9}	15,844	4,332	4,334	3,837	3,341	3,442	4,073	4,597	4,418	4,346	3,795	3,285	3,532	4,086	4,553
67	Members of OPEC	5,832	1,614	1,809	1,312	1,097	1,173	1,505	1,849	1,631	1,817	1,302	1,082	1,189	1,511	1,829
68	International organizations and unallocated															
	Memoranda:															
69	Industrial countries ⁷	501,736	120,945	125,571	122,682	132,538	129,530	136,007	139,807	125,094	126,148	129,946	129,548	133,701	136,533	138,583
70	Of which: Euro area ¹⁰															
71	Members of OPEC ⁷	33,917	8,744	8,719	8,592	7,862	7,531	9,670	12,073	8,912	8,758	8,517	7,730	7,712	9,704	11,951
72	Other countries ⁷	381,525	88,343	93,343	101,121	98,718	93,842	103,659	116,229	91,535	93,792	99,765	96,433	97,082	104,037	115,189
	BALANCE (EXCESS OF EXPORTS +)															
73	Total, all countries	-246,932	-47,661	-59,612	-75,009	-64,650	-67,559	-80,883	-101,673	-64,876	-63,500	-64,969	-63,587	-74,203	-84,412	-92,145
74	Western Europe	-34,909	-3,778	-8,567	-11,342	-11,222	-7,279	-12,251	-16,555	-5,234	-9,544	-9,089	-11,042	-9,538	-13,164	-14,534
75	European Union	-30,155	-2,333	-7,529	-9,868	-10,425	-6,218	-11,072	-14,475	-3,687	-8,434	-7,810	-10,244	-7,382	-11,913	-12,634
76	Belgium and Luxembourg	5,496	1,743	1,420	1,200	1,133	1,014	794	988	1,674	1,338	1,382	1,102	949	731	1,136
77	France	-6,483	-704	-1,717	-2,159	-1,903	-1,084	-1,658	-2,675	-879	-1,836	-1,917	-1,851	-1,228	-1,779	-2,460
78	Germany ⁸	-23,339	-5,077	-5,794	-5,754	-6,714	-5,604	-7,113	-7,633	-5,431	-5,988	-5,333	-6,587	-5,971	-7,287	-7,273
79	Italy	-12,031	-2,644	-2,982	-3,221	-3,184	-2,930	-3,080	-3,432	-2,808	-3,040	-3,066	-3,117	-3,081	-3,124	-3,289
80	Netherlands	11,271	3,417	2,592	2,388	2,874	2,889	2,713	2,621	3,365	2,503	2,599	2,804	2,862	2,635	2,829
81	United Kingdom	3,483	1,975	1,068	723	-283	986	-310	-951	1,703	832	1,229	-281	805	-523	-476
82	Other	-8,552	-1,043	-2,116	-3,045	-2,348	-1,489	-2,438	-3,393	-1,291	-2,243	-2,704	-2,314	-1,718	-2,566	-3,101
83	Western Europe, excluding EU	-4,754	-1,445	-1,038	-1,474	-797	-1,061	-1,179	-2,080	-1,567	-1,110	-1,279	-798	-1,156	-1,251	-1,900
84	Canada ²	-18,996	-3,585	-3,961	-5,887	-5,583	-7,614	-7,239	-9,814	-4,918	-4,874	-3,800	-5,404	-8,970	-8,139	-7,774
85	Japan	-65,														

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

Line		1998	Not seasonally adjusted									Seasonally adjusted													
			1998				1999					1998				1999									
			I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV							
C	Trade in goods, by principal end-use category, adjusted to balance of payments basis, excluding military:																								
1	Exports of goods, balance of payments basis, excluding military (A-8)	670,246	170,371	168,021	157,386	174,468	163,344	168,453	166,436	170,665	165,198	164,259	170,124	164,292	165,862	173,578									
2	Agricultural products	53,106	14,638	12,507	11,267	14,694	12,183	11,611	11,866	14,017	13,203	12,300	13,586	11,832	12,260	12,931									
3	Nonagricultural products	617,140	155,733	155,514	146,119	159,774	151,161	156,843	154,570	156,648	151,995	151,959	156,538	152,460	153,602	160,647									
4	Foods, feeds, and beverages	46,398	12,621	10,735	10,215	12,827	11,014	10,563	11,136	12,351	11,468	10,702	11,877	10,802	11,320	11,777									
5	Agricultural	43,021	11,759	10,012	9,266	11,984	10,092	9,707	9,986	11,484	10,647	9,866	11,024	9,895	10,317	10,772									
6	Grains and preparations	14,361	4,142	3,252	3,121	3,846	3,412	3,364	3,499	3,928	3,549	3,234	3,650	3,243	3,673	3,644									
7	Wheat	3,808	974	819	972	1,043	799	936	1,059	1,026	960	823	999	859	1,097	910									
8	Corn	4,802	1,228	1,093	1,096	1,385	1,230	1,386	1,396	1,168	1,157	1,183	1,294	1,155	1,466	1,519									
9	Soybeans	4,942	1,787	1,635	1,542	1,978	1,289	1,714	1,880	1,468	1,034	893	1,547	967	1,081	1,396									
10	Meat products and poultry	6,751	1,707	1,817	1,621	1,806	1,496	1,596	1,682	1,797	1,785	1,617	1,552	1,585	1,567	1,678									
11	Vegetables, fruits, nuts, and preparations	8,102	1,903	2,120	1,872	2,207	1,938	2,035	1,881	1,987	2,084	1,999	2,032	2,049	2,000	2,010									
12	Other agricultural foods, feeds, and beverages	8,865	2,220	2,188	2,110	2,347	1,957	1,997	2,044	2,304	2,195	2,123	2,243	2,051	1,996	2,044									
13	Nonagricultural (fish, distilled beverages, etc.)	3,377	862	723	949	843	922	856	1,150	867	821	836	853	907	1,003	1,005									
14	Fish and shellfish	2,352	619	444	693	596	698	605	907	601	540	591	620	662	748	770									
15	Industrial supplies and materials	148,270	38,754	37,695	35,383	36,438	33,955	35,855	36,723	38,637	36,932	36,015	36,686	34,109	35,073	37,113									
16	Agricultural	9,780	2,794	2,413	1,948	2,625	2,006	1,822	1,830	2,458	2,481	2,362	2,479	1,862	1,864	2,091									
17	Raw cotton	2,575	855	593	429	698	194	221	219	649	607	589	730	146	224	279									
18	Tobacco, unmanufactured	1,451	381	455	233	382	405	401	177	330	400	381	340	357	345	296									
19	Hides and skins, including furskins	1,270	375	347	288	260	302	275	279	352	333	298	287	282	262	287									
20	Other agricultural industrial supplies	4,484	1,183	1,018	998	1,285	1,105	925	1,155	1,127	1,141	1,094	1,122	1,077	1,033	1,229									
21	Nonagricultural	138,490	35,960	35,282	33,435	33,813	31,949	34,033	34,893	36,179	34,451	33,653	34,207	32,247	33,209	35,022									
22	Energy products	13,294	3,566	3,423	3,216	3,089	2,592	3,089	3,257	3,635	3,425	3,175	3,059	2,852	3,089	3,215									
23	Fuels and lubricants	13,034	3,530	3,385	3,165	2,954	2,540	3,025	3,207	3,598	3,387	3,125	2,924	2,601	3,026	3,166									
24	Coal and related fuels	3,883	936	975	923	849	697	675	697	979	971	897	836	738	670	672									
25	Petroleum and products	8,075	2,299	2,084	1,938	1,754	1,595	2,047	2,217	2,324	2,090	1,924	1,737	1,615	2,053	2,202									
26	Paper and paper base stocks	12,150	3,214	3,145	2,936	2,855	2,863	2,948	3,065	3,217	3,111	2,931	2,891	2,865	2,919	3,067									
27	Textile supplies and related materials	8,919	2,300	2,388	2,099	2,132	2,167	2,413	2,264	2,323	2,291	2,151	2,154	2,189	2,313	2,318									
28	Chemicals, excluding medicinals	44,979	11,612	11,538	10,883	10,946	10,866	11,355	11,367	11,563	11,116	11,107	11,193	10,905	10,933	11,510									
29	Building materials, except metals	7,977	2,030	2,028	1,939	1,980	1,965	2,093	2,018	2,083	1,958	1,946	1,990	2,016	2,027	2,026									
30	Other nonmetals	18,010	4,571	4,570	4,400	4,469	4,404	4,553	4,552	4,546	4,489	4,480	4,495	4,396	4,472	4,614									
31	Metals and nonmetallic products	33,161	8,667	8,190	7,962	8,342	7,092	7,582	8,370	8,812	8,061	7,863	8,425	7,224	7,456	8,272									
32	Steelmaking materials	1,566	410	427	359	370	271	376	379	448	399	339	380	298	351	364									
33	Iron and steel products	5,763	1,583	1,499	1,312	1,369	1,335	1,404	1,444	1,576	1,460	1,340	1,387	1,328	1,369	1,473									
34	Nonferrous metals	14,236	3,745	3,283	3,421	3,787	2,721	2,828	3,561	3,820	3,300	3,310	3,806	2,776	2,840	3,475									
35	Nonmonetary gold	5,485	1,324	1,094	1,303	1,764	715	830	1,506	1,324	1,094	1,303	1,764	715	830	1,506									
36	Other precious metals	2,018	718	545	364	391	510	459	389	721	548	360	389	510	459	390									
37	Other nonferrous metals	6,733	1,703	1,644	1,754	1,632	1,496	1,539	1,666	1,775	1,658	1,647	1,653	1,551	1,551	1,579									
38	Other metals and nonmetallic products	11,596	2,929	2,981	2,870	2,816	2,765	2,974	2,986	2,968	2,902	2,874	2,852	2,822	2,896	2,960									
39	Capital goods, except automotive	300,130	74,548	74,008	71,530	80,044	74,452	75,617	76,454	75,183	72,893	74,753	77,301	75,415	74,882	79,664									
40	Machinery, except consumer-type	243,656	61,867	60,460	58,573	62,756	59,766	61,824	64,218	62,540	60,627	59,866	60,623	60,449	62,116	65,649									
41	Electric generating machinery, electric apparatus, and parts	27,301	6,949	6,766	6,594	6,992	6,811	7,121	7,386	7,041	6,747	6,631	6,882	6,910	7,107	7,415									

Table 2.—U.S. Trade in Goods—Continued

(Millions of dollars)

Line		1998	Not seasonally adjusted						Seasonally adjusted							
			1998				1999		1998				1999			
			I	II	III	IV	I	II ^a	III ^a	I	II	III	IV	I	II ^a	III ^a
C	Trade in goods, by principal end-use category, adjusted to balance of payments basis, excluding military—Continued:															
74	Imports of goods, balance of payments basis, excluding military (A-16)	917,178	218,032	227,633	232,395	239,118	230,903	249,336	268,109	225,541	228,698	229,228	233,711	238,495	250,274	265,723
75	Petroleum and products ^c	50,903	13,449	13,336	12,526	11,592	10,416	15,847	19,794	13,600	13,392	12,458	11,453	10,594	15,919	19,580
76	Nonpetroleum products	866,275	204,583	214,297	219,869	227,526	220,487	233,489	248,315	211,941	215,306	216,770	222,258	227,901	234,355	246,143
77	Foods, feeds, and beverages	41,242	10,246	10,420	9,939	10,637	10,405	11,082	10,607	10,206	10,330	10,314	10,392	10,427	10,942	11,032
78	Agricultural	30,311	7,841	7,710	7,109	7,651	7,922	8,251	7,360	7,510	7,515	7,633	7,653	7,635	8,013	7,951
79	Coffee, cocoa, and sugar	4,484	1,450	1,154	1,009	871	1,159	982	797	1,258	1,141	1,121	984	977	970	901
80	Green coffee	3,069	1,044	797	605	623	782	853	545	888	783	694	704	641	645	635
81	Meat products and poultry	4,314	1,079	1,077	1,059	1,099	1,019	1,149	1,091	1,078	1,030	1,092	1,114	1,020	1,096	1,128
82	Vegetables, fruits, nuts, and preparations	8,245	2,409	2,197	1,629	2,010	2,614	2,590	1,830	1,948	2,049	2,096	2,152	2,149	2,417	2,375
83	Wine and related products	3,627	729	926	940	1,032	867	1,075	1,091	892	889	905	941	1,042	1,031	1,063
84	Other agricultural foods, feeds, and beverages	9,640	2,174	2,356	2,471	2,639	2,262	2,454	2,551	2,336	2,406	2,419	2,479	2,447	2,498	2,483
85	Nonagricultural (fish, distilled beverages, etc)	10,931	2,405	2,710	2,830	2,986	2,483	2,831	3,247	2,696	2,815	2,581	2,739	2,792	2,929	3,081
86	Fish and shellfish	8,117	1,817	2,029	2,114	2,157	1,846	2,085	2,388	2,033	2,099	2,001	1,984	2,073	2,150	2,262
87	Whiskey and other alcoholic beverages	2,300	464	550	587	699	513	597	711	537	585	552	626	595	631	671
88	Industrial supplies and materials	203,095	50,813	52,634	51,054	48,594	46,376	54,104	60,205	51,345	51,775	51,080	48,895	46,975	53,262	59,981
89	Agricultural	5,890	1,540	1,632	1,392	1,326	1,364	1,392	1,294	1,488	1,557	1,465	1,380	1,314	1,336	1,347
90	Nonagricultural products	197,205	49,273	51,002	49,662	47,268	45,012	52,712	58,911	49,857	50,218	49,615	47,515	45,661	51,926	58,634
91	Energy products	59,436	15,489	15,368	14,778	13,801	12,520	18,211	22,344	15,526	15,558	14,830	13,522	12,593	18,434	22,283
92	Fuels and lubricants ^c	58,327	15,275	15,071	14,396	13,585	12,302	17,872	21,880	15,274	15,243	14,507	13,303	12,336	18,074	21,894
93	Paper and paper base stocks	11,223	2,830	2,857	2,773	2,763	2,739	2,689	2,977	2,883	2,815	2,780	2,745	2,784	2,853	2,985
94	Textile supplies and related materials	10,348	2,562	2,746	2,590	2,450	2,423	2,635	2,630	2,646	2,628	2,556	2,518	2,503	2,517	2,597
95	Chemicals, excluding medicinals	29,239	7,841	7,611	6,878	6,909	7,581	7,350	7,527	7,487	7,364	7,195	7,193	7,247	7,114	7,810
96	Building materials, except metals	17,909	4,086	4,599	4,748	4,476	4,569	5,736	6,127	4,360	4,419	4,526	4,604	4,854	5,514	5,875
97	Other nonmetals	14,618	3,474	3,708	3,757	3,679	3,577	3,910	4,099	3,640	3,634	3,658	3,686	3,740	3,829	3,995
98	Metals and nonmetallic products	54,432	12,991	14,113	14,138	13,190	11,603	12,181	13,207	13,315	13,800	14,070	13,247	11,940	11,865	13,089
99	Steelmaking materials	3,273	810	961	881	621	584	673	922	903	831	617	676	629	636	636
100	Iron and steel products	21,183	4,656	5,559	5,767	5,201	4,247	4,545	4,842	4,884	5,460	5,661	5,178	4,456	4,433	4,539
101	Nonferrous metals	22,836	5,754	5,740	5,736	5,606	5,001	5,086	5,919	5,732	5,637	5,803	5,664	5,019	4,979	5,937
102	Nonmonetary gold	6,527	1,687	1,364	1,833	1,643	810	790	1,894	1,687	1,364	1,833	1,643	810	790	1,894
103	Other precious metals	3,942	794	1,164	957	1,027	1,241	1,050	911	792	1,163	964	1,023	1,243	1,047	907
104	Bauxite and aluminum	6,210	1,681	1,645	1,466	1,418	1,500	1,804	1,576	1,634	1,526	1,560	1,490	1,468	1,684	1,643
105	Other nonferrous metals	6,157	1,592	1,567	1,480	1,518	1,450	1,442	1,538	1,619	1,584	1,446	1,508	1,498	1,458	1,493
106	Other metallic and nonmetallic products	7,140	1,771	1,853	1,754	1,762	1,771	1,877	1,970	1,777	1,800	1,775	1,788	1,789	1,824	1,977
107	Capital goods, except automotive	269,558	64,594	67,085	67,304	70,575	67,521	72,602	75,923	66,673	67,293	67,047	68,545	69,766	72,937	75,571
108	Machinery, except consumer-type	244,884	59,461	60,647	61,033	63,743	61,191	66,182	68,953	61,496	60,924	60,753	61,711	63,380	66,588	68,593
109	Electric generating machinery, electric apparatus and parts	29,074	7,069	7,191	7,335	7,479	7,360	7,933	8,533	7,328	7,176	7,278	7,292	7,633	7,910	8,446
110	Nonelectric, including parts and attachments	215,810	52,392	53,456	53,968	56,264	53,831	58,249	60,420	54,168	53,748	53,475	54,419	55,747	58,678	60,147
111	Oil drilling, mining, and construction machinery	8,007	2,035	2,145	1,976	1,851	1,905	1,989	1,576	2,022	1,966	2,046	1,973	1,898	1,812	1,636
112	Industrial engines, pumps, and compressors	7,338	1,787	1,806	1,817	1,928	1,925	1,998	2,090	1,799	1,755	1,843	1,941	1,937	1,944	2,124
113	Machine tools and metalworking machinery	8,813	2,065	2,251	2,262	2,235	1,942	1,917	1,863	2,111	2,164	2,318	2,220	1,995	1,847	1,901
114	Measuring, testing, and control instruments	7,360	1,837	1,860	1,804	1,859	1,819	1,927	1,983	1,859	1,870	1,812	1,819	1,842	1,931	1,987
115	Other industrial, agricultural, and service industry machinery	44,400	10,931	11,558	10,991	11,220	11,091	11,560	11,283	11,048	11,125	10,965	11,262	11,234	11,143	11,539
116	Computers, peripherals, and parts	72,475	16,942	17,259	18,381	19,893	18,273	19,803	21,103	17,980	17,919	17,904	18,672	19,390	20,511	20,632
117	Semiconductors	33,417	8,857	8,277	8,120	8,163	8,245	9,210	9,600	8,985	8,389	8,062	7,981	8,355	9,331	9,546
118	Telecommunications equipment	17,074	4,015	4,128	4,338	4,593	4,464	5,607	6,425	4,236	4,314	4,287	4,237	4,707	5,859	6,347
119	Other office and business machines	7,347	1,870	1,865	1,828	1,784	1,681	1,515	1,569	1,915	1,905	1,801	1,726	1,728	1,549	1,547
120	Scientific, hospital, and medical equipment and parts	9,579	2,053	2,307	2,481	2,738	2,486	2,723	2,928	2,213	2,341	2,437	2,588	2,661	2,751	2,888
121	Transportation equipment, except automotive	24,674	5,133	6,438	6,271	6,832	6,330	6,420	6,970	5,177	6,369	6,294	6,834	6,386	6,349	6,978
122	Civilian aircraft, engines,															

Table 3.—Private Service Transactions
[Millions of dollars]

Line		1998	Not seasonally adjusted							Seasonally adjusted						
			1998				1999			1998				1999		
			I	II	III	IV	I	II ^r	III ^p	I	II	III	IV	I	II ^r	III ^p
1	Exports of private services	245,688	58,542	60,204	64,697	62,245	61,234	62,376	68,723	60,341	62,011	60,847	62,490	63,066	64,304	64,588
2	Travel (table 1, line 6)	71,250	15,652	18,119	20,354	17,125	15,809	18,271	21,661	17,903	18,260	17,149	17,938	18,138	18,437	18,322
3	Passenger fares (table 1, line 7)	19,996	4,581	5,000	5,733	4,682	4,651	5,049	6,051	4,916	5,185	5,052	4,843	4,995	5,240	5,332
4	Other transportation (table 1, line 8)	25,518	6,201	6,261	6,367	6,689	6,362	6,727	6,951	6,338	6,268	6,339	6,575	6,501	6,731	6,921
5	Freight	11,178	2,824	2,801	2,669	2,884	2,769	2,883	2,949	2,872	2,769	2,684	2,852	2,819	2,848	2,966
6	Port services	14,340	3,377	3,460	3,698	3,805	3,592	3,844	4,003	3,465	3,498	3,654	3,722	3,682	3,883	3,955
7	Royalties and license fees (table 1, line 9)	36,808	8,655	8,716	8,866	10,571	9,124	9,063	9,189	8,882	9,002	9,029	9,894	9,337	9,365	9,317
8	Affiliated	26,761	6,277	6,256	6,328	7,900	6,427	6,301	6,365	6,504	6,542	6,491	7,223	6,640	6,603	6,493
9	U.S. parents' receipts	24,712	5,805	5,899	5,950	7,058	5,929	5,841	5,852	5,963	6,066	6,091	6,591	6,081	6,003	5,971
10	U.S. affiliates' receipts	2,049	472	357	378	842	498	460	513	541	476	400	632	559	800	522
11	Unaffiliated	10,047	2,378	2,460	2,538	2,671	2,697	2,762	2,824	2,378	2,460	2,538	2,671	2,697	2,762	2,824
12	Industrial processes ¹	4,138	973	1,018	1,053	1,094	1,093	1,097	1,097	973	1,018	1,053	1,094	1,093	1,097	1,097
13	Other ²	5,909	1,405	1,442	1,485	1,578	1,604	1,665	1,727	1,405	1,442	1,485	1,578	1,604	1,665	1,727
14	Other private services (table 1, line 10)	92,116	23,453	22,108	23,377	23,178	25,288	23,266	24,871	22,302	23,296	23,278	23,240	24,095	24,531	24,696
15	Affiliated services	28,321	6,752	7,058	7,111	7,400	7,190	7,028	7,239	6,987	7,114	7,184	7,036	7,454	7,086	7,316
16	U.S. parents' receipts	18,212	4,503	4,657	4,282	4,770	4,455	4,433	4,487	4,608	4,631	4,411	4,561	4,560	4,402	4,626
17	U.S. affiliates' receipts	10,109	2,249	2,401	2,829	2,630	2,735	2,595	2,752	2,379	2,483	2,773	2,475	2,894	2,684	2,690
18	Unaffiliated services	63,795	16,701	15,050	16,266	15,778	18,098	16,238	17,632	15,315	16,182	16,094	16,204	16,641	17,445	17,380
19	Education	8,964	3,629	1,142	2,416	1,777	3,866	1,134	2,525	2,160	2,251	2,310	2,243	2,312	2,309	2,351
20	Financial services	13,698	3,132	3,778	3,419	3,369	3,419	3,950	3,624	3,132	3,778	3,419	3,369	3,419	3,950	3,624
21	Insurance, net	2,842	683	696	717	746	794	831	869	683	696	717	746	794	831	869
22	Premiums received	6,985	1,657	1,722	1,780	1,826	1,860	1,887	1,911	1,657	1,722	1,780	1,826	1,880	1,887	1,911
23	Losses paid	4,143	974	1,026	1,063	1,080	1,066	1,056	1,042	974	1,026	1,063	1,080	1,066	1,056	1,042
24	Telecommunications	3,689	955	926	900	908	882	872	818	955	926	900	908	882	872	818
25	Business, professional, and technical services	24,338	5,858	6,017	6,164	6,299	6,544	6,746	6,892	5,858	6,017	6,164	6,299	6,544	6,746	6,892
26	Other unaffiliated services ³	10,264	2,444	2,490	2,649	2,680	2,593	2,705	2,903	2,527	2,513	2,583	2,640	2,690	2,737	2,826
27	Imports of private services	165,321	36,887	42,553	45,614	40,267	39,935	46,199	50,349	39,858	41,424	41,739	42,304	43,198	45,001	46,122
28	Travel (table 1, line 23)	56,105	11,662	15,193	17,234	12,016	12,543	16,063	18,636	13,736	14,168	14,070	14,131	14,847	14,960	15,191
29	Passenger fares (table 1, line 24)	19,797	4,232	5,325	5,722	4,518	4,691	5,711	6,147	4,629	4,958	5,085	5,125	5,114	5,316	5,456
30	Other transportation (table 1, line 25)	30,457	7,147	7,533	7,820	7,957	7,554	8,290	9,230	7,321	7,590	7,700	7,849	7,726	8,362	9,102
31	Freight	19,412	4,485	4,829	5,016	5,082	4,806	5,370	6,044	4,548	4,858	4,999	5,006	4,864	5,413	6,031
32	Port services	11,048	2,663	2,705	2,805	2,875	2,748	2,919	3,185	2,773	2,732	2,701	2,843	2,862	2,949	3,071
33	Royalties and license fees (table 1, line 26)	11,292	2,939	2,587	2,685	3,081	3,162	3,073	2,881	2,955	2,694	2,721	2,923	3,176	3,197	2,921
34	Affiliated	8,374	2,001	1,943	2,001	2,429	2,500	2,395	2,168	2,017	2,050	2,037	2,271	2,514	2,519	2,208
35	U.S. parents' payments	1,169	290	273	298	308	304	310	307	290	273	298	308	304	310	307
36	U.S. affiliates' payments	7,205	1,711	1,670	1,703	2,121	2,196	2,085	1,861	1,727	1,777	1,739	1,963	2,210	2,209	1,901
37	Unaffiliated	2,918	938	644	684	652	662	678	713	938	644	684	652	662	678	713
38	Industrial processes ¹	1,546	372	382	392	401	408	414	420	372	382	392	401	408	414	420
39	Other ²	1,372	567	262	292	252	254	264	292	567	262	292	252	254	264	292
40	Other private services (table 1, line 27)	47,670	10,907	11,915	12,153	12,695	11,985	13,062	13,455	11,217	12,014	12,163	12,276	12,335	13,166	13,452
41	Affiliated services	19,095	4,014	4,759	4,881	5,441	4,752	5,516	5,644	4,267	4,856	4,974	4,998	5,033	5,620	5,742
42	U.S. parents' payments	9,730	2,047	2,367	2,405	2,911	2,315	2,686	2,682	2,288	2,424	2,453	2,565	2,581	2,744	2,726
43	U.S. affiliates' payments	9,365	1,967	2,392	2,476	2,530	2,437	2,830	2,962	1,979	2,432	2,521	2,433	2,452	2,876	3,016
44	Unaffiliated services	28,575	6,893	7,156	7,272	7,254	7,233	7,546	7,811	6,950	7,158	7,189	7,278	7,302	7,546	7,710
45	Education	1,538	300	378	484	377	335	423	542	356	380	401	401	404	423	440
46	Financial services	3,771	927	1,010	932	902	834	949	1,072	927	1,010	932	902	834	949	1,072
47	Insurance, net	6,908	1,702	1,717	1,736	1,753	1,816	1,878	1,949	1,702	1,717	1,736	1,753	1,816	1,878	1,949
48	Premiums paid	18,581	4,329	4,572	4,770	4,910	4,998	5,054	5,095	4,329	4,572	4,770	4,910	4,998	5,054	5,095
49	Losses recovered	11,673	2,627	2,855	3,034	3,157	3,183	3,175	3,146	2,627	2,855	3,034	3,157	3,183	3,175	3,146
50	Telecommunications	8,125	2,050	2,032	2,014	2,029	2,024	2,011	1,915	2,050	2,032	2,014	2,029	2,024	2,011	1,915
51	Business, professional, and technical services	7,684	1,786	1,884	1,968	2,045	2,103	2,160	2,211	1,786	1,884	1,968	2,045	2,103	2,160	2,211
52	Other unaffiliated services ³	549	129	135	138	148	121	124	123	129	135	138	148	121	124	123
53	Memoranda:															
54	Balance on goods (table 1, line 71)	-246,932	-47,661	-59,612	-75,009	-64,650	-67,559	-80,883	-101,673	-54,876	-63,500	-64,969	-63,587	-74,203	-84,412	-92,145
55	Balance on private services (line 1 minus line 27)	80,367	21,655	17,651	19,083	21,978	21,299	16,177	18,374	20,483	20,587	19,108	20,186	19,868	19,303	18,466
56	Balance on goods and private services (lines 53 and 54)	-166,565	-26,006	-41,961	-55,926	-42,672	-46,260	-64,706	-83,299	-34,393	-42,913	-45,861	-43,401	-54,335	-65,109	-73,679

See footnotes on page 111.

Table 4.—Selected U.S. Government Transactions
(Millions of dollars)

Line		1998	Not seasonally adjusted						
			1998				1999		
			I	II	III	IV	I	II ²	III ²
A1	U.S. Government grants and transactions increasing Government assets, total	17,610	3,559	3,351	3,971	6,729	3,635	5,043	4,399
	By category								
2	Grants, net	13,079	2,345	2,169	2,824	5,742	2,209	2,764	2,705
3	U.S. Government current grants, net (table 1, line 36, with sign reversed)	13,057	2,340	2,168	2,807	5,742	2,200	2,760	2,700
4	Financing military purchases ¹	4,075	596	340	590	2,549	492	651	600
5	Other grants	8,982	1,744	1,829	2,217	3,193	1,708	2,109	2,099
6	Cash contributions received from coalition partners for Persian Gulf operations								
7	Debt forgiveness (table 1, part of Line 39, with sign reversed)	22	5	(¹)	17		9	3	6
8	Credits and other long-term assets (table 1, line 47, with sign reversed)	4,676	1,192	1,156	1,285	1,043	1,304	2,167	1,591
9	Capital subscriptions and contributions to international financial institutions, excluding IMF	1,580	385	444	413	338	394	456	329
10	Credits repayable in U.S. dollars	2,431	647	610	627	548	726	1,544	1,092
11	Credits repayable in other than U.S. dollars	-3	(¹)	-7	2	1	-6	1	1
12	Other long-term assets	667	159	109	243	157	191	167	169
13	Foreign currency holdings and short-term assets, net (table 1, line 49 with sign reversed)	-145	22	26	-138	-55	122	112	102
14	Foreign currency holdings (excluding administrative cash holdings), net	22	5	-5	38	-17	7	-38	(¹)
	Receipts from:								
15	Sales of agricultural commodities							(¹)	
16	Interest	43	4	4	4	30	1	1	(¹)
17	Repayments of principal	22	11	3	6	2	8	2	2
18	Reverse grants								
19	Other sources								
	Less currencies disbursed for:								
20	Grants and credits in the recipient's currency	2	(¹)	(¹)	1				
21	Other grants and credits								
22	Other U.S. Government expenditures	42	10	12	-29	49	2	41	2
23	Assets acquired in performance of U.S. Government guarantee and insurance obligations, net	44	-1	11	(¹)	34	19	139	93
24	Other assets held under Commodity Credit Corporation Charter Act, net	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
25	Assets financing military sales contracts, net ²								
26	Other short-term assets (including changes in administrative cash holdings), net	-210	18	21	-176	-72	96	11	9
	By program								
27	Capital subscriptions and contributions to international financial institutions, excluding IMF	1,580	385	444	413	338	394	456	329
28	Under Agricultural Trade Development and Assistance Act and related programs	1,012	181	183	273	376	174	283	444
29	Under Foreign Assistance Act and related programs	11,532	2,074	1,879	2,442	5,138	1,903	2,409	2,400
30	Under Export-Import Bank Act	1,528	388	512	244	384	193	269	750
31	Under Commodity Credit Corporation Charter Act	325	140	6	147	33	467	1,204	80
32	Under other grant and credit programs	1,150	209	202	347	393	211	282	217
33	Other foreign currency assets acquired (lines A16, A17, and A19)	65	16	7	10	32	10	3	2
34	Less foreign currencies used by U.S. Government other than for grants or credits (line A22)	42	10	12	-29	49	2	41	2
35	Other (including changes in administrative cash holdings), net	457	176	130	66	85	287	178	178
	By disposition ³								
36	Estimated transactions involving no direct dollar outflow from the United States	11,253	2,275	2,030	2,585	4,383	2,232	3,499	3,136
37	Expenditures on U.S. goods	5,441	778	927	894	2,841	603	800	1,471
38	Expenditures on U.S. services ⁴	3,042	662	717	825	838	620	773	818
39	Financing of military sales contracts by U.S. Government ⁵ (line C6)	2,304	635	348	631	690	513	637	746
40	By long-term credits	215	66	37	68	44	48	24	182
41	By short-term credits ¹								
42	By grants ¹	2,089	569	312	563	646	464	613	564
43	U.S. Government grants and credits to repay prior U.S. Government credits ^{1,4}	390	161	13	186	30	480	1,191	10
44	U.S. Government long- and short-term credits to repay prior U.S. private credits ⁶ and other assets	133	51	45	3	34	20	142	95
45	Increase in liabilities associated with U.S. Government grants and transactions increasing Government assets (including changes in retained accounts) ⁷ (line C11)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
46	Less receipts on short-term U.S. Government assets (a) financing military sales contracts ¹ (b) financing repayment of private credits and other assets, and (c) financing expenditures on U.S. goods	14	2	9	2	1	1	3	2
47	Less foreign currencies used by U.S. Government other than for grants or credits (line A22)	42	10	12	-29	49	2	41	2
48	Estimated dollar payments to foreign countries and international financial institutions	6,357	1,284	1,322	1,406	2,347	1,403	1,544	1,263
B1	Repayments on U.S. Government long-term assets, total (table 1, line 48)	4,102	1,133	699	1,332	938	1,545	1,887	1,020
2	Receipts of principal on U.S. Government credits	3,354	948	578	1,085	743	1,349	1,701	841
3	Under Agricultural Trade Development and Assistance Act and related programs	302	32	30	106	134	52	31	106
4	Under Foreign Assistance Act and related programs	1,507	534	276	470	227	564	370	463
5	Under Export-Import Bank Act	923	223	238	243	219	253	208	243
6	Under Commodity Credit Corporation Charter Act	375	159	32	153	32	473	1,089	26
7	Under other credit programs	247	(¹)	3	113	131	8	3	2
8	Receipts on other long-term assets	748	186	121	246	196	196	186	179
C1	U.S. Government liabilities other than securities, total, net increase (+) (table 1, line 60)	-3,113	-1,028	-807	-224	-1,054	-1,594	-647	-1,163
2	Associated with military sales contracts ²	-3,101	-1,082	-752	-212	-1,056	-1,595	-650	-1,161
3	U.S. Government cash receipts from foreign governments (including principal repayments on credits financing military sales contracts), net of refunds ¹	12,525	3,036	3,166	2,488	3,835	1,730	1,917	2,804
4	Less U.S. Government receipts from principal repayments	809	342	105	274	87	289	84	281
5	Less U.S. Treasury securities issued in connection with prepayments for military purchases in the United States	-32	-195	-327	-922	1,412	-791	-981	171
6	Plus financing of military sales contracts by U.S. Government ⁵ (line A39)	2,304	635	348	631	690	513	637	746
7	By long-term credits	215	66	37	68	44	48	24	182
8	By short-term credits ¹								
9	By grants ¹	2,089	569	312	563	646	464	613	564
10	Less transfers of goods and services (including transfers financed by grants for military purchases, and by credits) ^{1,2} (table 1, line 5)	17,155	4,606	4,489	3,979	4,081	4,339	4,099	4,257
11	Associated with U.S. Government grants and transactions increasing Government assets (including changes in retained accounts) ⁷ (line A45)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
12	Associated with other liabilities	-10	54	-55	-12	2	1	2	-2
13	Sales of nuclear material by Department of Energy/U.S. Enrichment Corporation	-11	62	-53	-20				
14	Sales of space launch and other services by National Aeronautics and Space Administration	3	-4	-1	2	6	-3	-2	-1
15	Other sales and miscellaneous operations	-2	-4	-1	6	-4	4	4	-1

See footnotes on page 111.

Table 3.—Private Service Transactions

(Millions of dollars)

Line		1998	Not seasonally adjusted						Seasonally adjusted							
			1998				1999		1998				1999			
			I	II	III	IV	I	II ^a	III ^a	I	II	III	IV	I	II ^a	III ^a
1	Exports of private services	245,688	58,542	60,204	64,697	62,245	61,234	62,376	68,723	60,341	62,011	60,847	62,490	63,066	64,304	64,588
2	Travel (table 1, line 6)	71,250	15,652	18,119	20,354	17,125	15,809	18,271	21,661	17,903	18,260	17,149	17,938	18,138	18,437	18,322
3	Passenger fares (table 1, line 7)	19,996	4,581	5,000	5,733	4,682	4,651	5,049	6,051	4,916	5,185	5,052	4,843	4,995	5,240	5,332
4	Other transportation (table 1, line 8)	25,518	6,201	6,261	6,367	6,689	6,362	6,727	6,951	6,338	6,268	6,339	6,575	6,501	6,731	6,921
5	Freight	11,178	2,824	2,801	2,669	2,884	2,769	2,883	2,949	2,872	2,769	2,684	2,852	2,819	2,848	2,966
6	Port services	14,340	3,377	3,460	3,698	3,805	3,592	3,844	4,003	3,465	3,498	3,654	3,722	3,682	3,883	3,955
7	Royalties and license fees (table 1, line 9)	36,808	8,855	8,716	8,866	10,571	9,124	9,063	9,189	8,882	9,002	9,029	9,894	9,337	9,385	9,317
8	Affiliated	26,761	6,277	6,256	6,328	7,900	6,427	6,301	6,365	6,504	6,542	6,491	7,223	6,640	6,603	6,493
9	U.S. parents' receipts	24,712	5,805	5,899	5,950	7,058	5,929	5,841	5,852	5,963	6,066	6,091	6,591	6,081	6,003	5,971
10	U.S. affiliates' receipts	2,049	472	357	378	842	498	460	513	541	476	400	632	559	600	522
11	Unaffiliated	10,047	2,378	2,460	2,538	2,671	2,697	2,762	2,824	2,378	2,460	2,538	2,671	2,697	2,762	2,824
12	Industrial processes ¹	4,138	973	1,018	1,053	1,094	1,093	1,097	1,097	973	1,018	1,053	1,094	1,093	1,097	1,097
13	Other ²	5,909	1,405	1,442	1,485	1,578	1,604	1,665	1,727	1,405	1,442	1,485	1,578	1,604	1,665	1,727
14	Other private services (table 1, line 10)	92,116	23,453	22,108	23,377	23,178	25,288	23,266	24,871	22,302	23,296	23,278	23,240	24,095	24,531	24,696
15	Affiliated services	28,321	6,752	7,058	7,111	7,400	7,190	7,028	7,239	6,987	7,114	7,184	7,036	7,454	7,086	7,316
16	U.S. parents' receipts	18,212	4,503	4,657	4,282	4,770	4,455	4,433	4,487	4,608	4,631	4,411	4,561	4,560	4,402	4,626
17	U.S. affiliates' receipts	10,109	2,249	2,401	2,829	2,630	2,735	2,595	2,752	2,379	2,483	2,773	2,475	2,894	2,684	2,690
18	Unaffiliated services	63,795	16,701	15,050	16,266	15,778	18,098	16,238	17,632	15,315	16,182	16,094	16,204	16,641	17,445	17,380
19	Education	8,964	3,629	1,142	2,416	1,777	3,866	1,134	2,525	2,160	2,251	2,310	2,243	2,312	2,309	2,351
20	Financial services	13,698	3,132	3,778	3,419	3,369	3,419	3,950	3,624	3,132	3,778	3,419	3,369	3,419	3,950	3,624
21	Insurance, net	2,842	683	696	717	746	794	831	869	683	696	717	746	794	831	869
22	Premiums received	6,985	1,657	1,722	1,780	1,826	1,880	1,887	1,911	1,657	1,722	1,780	1,826	1,880	1,887	1,911
23	Losses paid	4,143	974	1,026	1,063	1,080	1,066	1,056	1,042	974	1,026	1,063	1,080	1,066	1,056	1,042
24	Telecommunications	3,689	955	928	900	908	882	872	818	955	928	900	908	882	872	818
25	Business, professional, and technical services	24,338	5,858	6,017	6,164	6,299	6,544	6,746	6,892	5,858	6,017	6,164	6,299	6,544	6,746	6,892
26	Other unaffiliated services ³	10,264	2,444	2,490	2,649	2,680	2,593	2,705	2,903	2,527	2,513	2,583	2,640	2,690	2,737	2,826
27	Imports of private services	165,321	36,887	42,553	45,614	40,267	39,935	46,199	50,349	39,858	41,424	41,739	42,304	43,198	45,001	46,122
28	Travel (table 1, line 23)	56,105	11,662	15,193	17,234	12,016	12,543	16,063	18,636	13,736	14,168	14,070	14,131	14,847	14,960	15,191
29	Passenger fares (table 1, line 24)	19,797	4,232	5,325	5,722	4,518	4,691	5,711	6,147	4,629	4,958	5,085	5,125	5,114	5,316	5,456
30	Other transportation (table 1, line 25)	30,457	7,147	7,533	7,820	7,957	7,554	8,290	9,230	7,321	7,590	7,700	7,849	7,728	8,362	9,102
31	Freight	19,412	4,485	4,829	5,016	5,082	4,806	5,370	6,044	4,548	4,858	4,999	5,006	4,864	5,413	6,031
32	Port services	11,048	2,663	2,705	2,805	2,875	2,748	2,919	3,185	2,773	2,732	2,701	2,843	2,862	2,949	3,071
33	Royalties and license fees (table 1, line 26)	11,292	2,939	2,587	2,685	3,081	3,162	3,073	2,881	2,955	2,694	2,721	2,923	3,176	3,197	2,921
34	Affiliated	8,374	2,001	1,943	2,001	2,429	2,500	2,395	2,168	2,017	2,050	2,037	2,271	2,514	2,519	2,208
35	U.S. parents' payments	1,169	290	273	298	308	304	310	307	290	273	298	308	304	310	307
36	U.S. affiliates' payments	7,205	1,711	1,670	1,703	2,121	2,196	2,085	1,861	1,727	1,777	1,739	1,963	2,210	2,209	1,901
37	Unaffiliated	2,918	938	644	684	652	662	678	713	938	644	684	652	662	678	713
38	Industrial processes ¹	1,546	372	382	392	401	408	414	420	372	382	392	401	408	414	420
39	Other ²	1,372	567	262	292	252	254	264	292	567	262	292	252	254	264	292
40	Other private services (table 1, line 27)	47,670	10,907	11,915	12,153	12,695	11,985	13,062	13,455	11,217	12,014	12,183	12,276	12,335	13,166	13,452
41	Affiliated services	19,095	4,014	4,759	4,881	5,441	4,752	5,516	5,644	4,267	4,856	4,974	4,998	5,033	5,620	5,742
42	U.S. parents' payments	9,730	2,047	2,367	2,405	2,911	2,315	2,686	2,682	2,288	2,424	2,453	2,565	2,581	2,744	2,726
43	U.S. affiliates' payments	9,365	1,967	2,392	2,476	2,530	2,437	2,830	2,962	1,979	2,432	2,521	2,433	2,452	2,876	3,016
44	Unaffiliated services	28,575	6,893	7,156	7,272	7,254	7,233	7,546	7,811	6,950	7,158	7,189	7,278	7,302	7,546	7,710
45	Education	1,538	300	378	484	377	335	423	542	356	380	401	401	404	423	440
46	Financial services	3,771	927	1,010	932	902	834	949	1,072	927	1,010	932	902	834	949	1,072
47	Insurance, net	6,908	1,702	1,717	1,736	1,753	1,816	1,878	1,949	1,702	1,717	1,736	1,753	1,816	1,878	1,949
48	Premiums paid	18,581	4,329	4,572	4,770	4,910	4,998	5,054	5,095	4,329	4,572	4,770	4,910	4,998	5,054	5,095
49	Losses recovered	11,673	2,627	2,855	3,034	3,157	3,183	3,175	3,146	2,627	2,855	3,034	3,157	3,183	3,175	3,146
50	Telecommunications	8,125	2,050	2,032	2,014	2,029	2,024	2,011	1,915	2,050	2,032	2,014	2,029	2,024	2,011	1,915
51	Business, professional, and technical services	7,684	1,786	1,884	1,968	2,045	2,103	2,180	2,211	1,786	1,884	1,968	2,045	2,103	2,160	2,211
52	Other unaffiliated services ³	549	129	135	138	148	121	124	123	129	135	138	148	121	124	123
53	Memoranda:															
53	Balance on goods (table 1, line 71)	-246,932	-47,661	-59,612	-75,009	-64,850	-67,559	-80,883	-101,673	-54,876	-63,500	-64,969	-63,587	-74,203	-84,412	-92,145
54	Balance on private services (line 1 minus line 27)	90,367	21,655	17,651	19,083	21,978	21,299	16,177	18,374	20,483	20,587	19,108	20,186	19,868	19,303	18,466
55	Balance on goods and private services (lines 53 and 54)	-166,565	-26,006	-41,961	-55,926	-42,872	-46,260	-64,706	-83,299	-34,393	-42,913	-45,861	-43,401	-54,335	-65,109	-73,679

See footnotes on page 111.

Table 4.—Selected U.S. Government Transactions
[Millions of dollars]

Line		1998	Not seasonally adjusted						
			1998				1999		
			I	II	III	IV	I	II ^P	III ^P
A1	U.S. Government grants and transactions increasing Government assets, total	17,610	3,559	3,351	3,971	6,729	3,635	5,043	4,399
	By category								
2	Grants, net	13,079	2,345	2,189	2,824	5,742	2,209	2,764	2,705
3	U.S. Government current grants, net (table 1, line 36, with sign reversed)	13,057	2,340	2,188	2,807	5,742	2,200	2,760	2,700
4	Financing military purchases ¹	4,075	596	340	590	2,549	492	651	600
5	Other grants	8,982	1,744	1,829	2,217	3,193	1,708	2,109	2,099
6	Cash contributions received from coalition partners for Persian Gulf operations								
7	Debt forgiveness (table 1, part of Line 39, with sign reversed)	22	5	(¹)	17		9	3	6
8	Credits and other long-term assets (table 1, line 47, with sign reversed)	4,676	1,192	1,156	1,285	1,043	1,304	2,167	1,591
9	Capital subscriptions and contributions to international financial institutions, excluding IMF	1,580	385	444	413	338	394	456	329
10	Credits repayable in U.S. dollars	2,431	647	610	627	548	728	1,544	1,092
11	Credits repayable in other than U.S. dollars	-3	(¹)	-7	2	1	-6	1	1
12	Other long-term assets	667	159	109	243	157	191	167	169
13	Foreign currency holdings and short-term assets, net (table 1, line 49 with sign reversed)	-145	22	26	-138	-55	122	112	102
14	Foreign currency holdings (excluding administrative cash holdings), net	22	5	-5	38	-17	7	-38	(¹)
15	Receipts from:								
16	Sales of agricultural commodities							(¹)	
17	Interest	43	4	4	4	30	1		(¹)
18	Repayments of principal	22	11	3	6	2	8	2	2
19	Reverse grants								
20	Other sources								
21	Less currencies disbursed for:								
22	Grants and credits in the recipient's currency	2	(¹)	(¹)	1				
23	Other grants and credits	42	10	12	-29	49	2	41	2
24	Other U.S. Government expenditures	44	-1	11	(¹)	34	19	139	93
25	Assets acquired in performance of U.S. Government guarantee and insurance obligations, net	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
26	Assets held under Commodity Credit Corporation Charter Act, net								
27	Assets financing military sales contracts, net ²	-210	18	21	-176	-72	96	11	9
28	Other short-term assets (including changes in administrative cash holdings), net								
	By program								
29	Capital subscriptions and contributions to international financial institutions, excluding IMF	1,580	385	444	413	338	394	456	329
30	Under Agricultural Trade Development and Assistance Act and related programs	1,012	181	183	273	376	174	283	444
31	Under Foreign Assistance Act and related programs	11,532	2,074	1,879	2,442	5,138	1,903	2,409	2,400
32	Under Export-Import Bank Act	1,528	388	512	244	384	193	289	750
33	Under Commodity Credit Corporation Charter Act	325	140	6	147	33	467	1,204	80
34	Under other grant and credit programs	1,150	209	202	347	393	211	282	217
35	Other foreign currency assets acquired (lines A16, A17, and A19)	65	16	7	10	32	10	3	2
36	Less foreign currencies used by U.S. Government other than for grants or credits (line A22)	42	10	12	-29	49	2	41	2
37	Other (including changes in administrative cash holdings), net	457	176	130	66	85	287	178	178
	By disposition ³								
38	Estimated transactions involving no direct dollar outflow from the United States	11,253	2,275	2,030	2,565	4,383	2,232	3,499	3,136
39	Expenditures on U.S. goods	5,441	778	927	894	2,841	603	800	1,471
40	Expenditures on U.S. services ⁴	3,042	662	717	825	838	620	773	818
41	Financing of military sales contracts by U.S. Government ⁵ (line C6)	2,304	635	348	631	690	513	637	746
42	By long-term credits	215	66	37	68	44	48	24	182
43	By short-term credits ¹								
44	By grants ¹	2,089	569	312	563	646	464	613	564
45	U.S. Government grants and credits to repay prior U.S. Government credits ^{1,4}	390	161	13	186	30	480	1,191	10
46	U.S. Government long- and short-term credits to repay prior U.S. private credits ⁶ and other assets	133	51	45	3	34	20	142	95
47	Increase in liabilities associated with U.S. Government grants and transactions increasing Government assets (including changes in retained accounts) ⁷ (line C11)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
48	Less receipts on short-term U.S. Government assets (a) financing military sales contracts ¹ (b) financing repayment of private credits and other assets, and (c) financing expenditures on U.S. goods	14	2	9	2	1	1	3	2
49	Less foreign currencies used by U.S. Government other than for grants or credits (line A22)	42	10	12	-29	49	2	41	2
50	Estimated dollar payments to foreign countries and international financial institutions	6,357	1,284	1,322	1,406	2,347	1,403	1,544	1,263
B1	Repayments on U.S. Government long-term assets, total (table 1, line 48)	4,102	1,133	699	1,332	938	1,545	1,887	1,020
2	Receipts of principal on U.S. Government credits	3,354	948	578	1,085	743	1,349	1,701	841
3	Under Agricultural Trade Development and Assistance Act and related programs	302	32	30	106	134	52	31	106
4	Under Foreign Assistance Act and related programs	1,507	534	276	470	227	564	370	463
5	Under Export-Import Bank Act	923	223	238	243	219	253	208	243
6	Under Commodity Credit Corporation Charter Act	375	159	32	153	32	473	1,089	26
7	Under other credit programs	247	(¹)	3	113	131	8	3	2
8	Receipts on other long-term assets	748	186	121	246	196	196	186	179
C1	U.S. Government liabilities other than securities, total, net increase (+) (table 1, line 60)	-3,113	-1,028	-907	-224	-1,054	-1,594	-647	-1,163
2	Associated with military sales contracts ²	-3,101	-1,082	-752	-212	-1,056	-1,595	-650	-1,161
3	U.S. Government cash receipts from foreign governments (including principal repayments on credits financing military sales contracts), net of refunds ¹	12,525	3,036	3,168	2,488	3,835	1,730	1,917	2,804
4	Less U.S. Government receipts from principal repayments	809	342	105	274	87	289	84	281
5	Less U.S. Treasury securities issued in connection with prepayments for military purchases in the United States	-32	-195	-327	-922	1,412	-791	-981	171
6	Plus financing of military sales contracts by U.S. Government ³ (line A39)	2,304	635	348	631	690	513	637	746
7	By long-term credits	215	66	37	68	44	48	24	182
8	By short-term credits ¹								
9	By grants ¹	2,089	569	312	563	646	464	613	564
10	Less transfers of goods and services (including transfers financed by grants for military purchases, and by credits) ^{1,2} (table 1, line 5)	17,155	4,606	4,489	3,979	4,081	4,339	4,099	4,257
11	Associated with U.S. Government grants and transactions increasing Government assets (including changes in retained accounts) ⁷ (line A45)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
12	Associated with other liabilities	-10	54	-55	-12	2	1	2	-2
13	Sales of nuclear material by Department of Energy/U.S. Enrichment Corporation	-11	62	-53	-20				
14	Sales of space launch and other services by National Aeronautics and Space Administration	3	-4	-1	2	6	-3	-2	-1
15	Other sales and miscellaneous operations	-2	-4	-1	6	-4	4	4	-1

See footnotes on page 111.

Table 5.—Direct Investment: Income, Capital, Royalties and License Fees, and Other Private Services
[Millions of dollars]

Line	(Credits +; debits -)	1998	Not seasonally adjusted						Seasonally adjusted							
			1998			1999			1998			1999				
			I	II	III	IV	I	II	III	I	II	III	IV	I	II	III
U.S. direct investment abroad:																
1	Income with current-cost adjustment, before deduction of withholding taxes (table 1, line 14)	102,846	27,804	27,095	22,779	25,168	27,313	28,890	29,539	27,338	26,744	23,124	25,639	26,910	28,486	29,916
2	Earnings	100,071	27,119	26,403	22,108	24,441	26,455	28,021	28,636	26,653	26,052	22,452	24,913	26,052	27,617	29,013
3	Distributed earnings	41,419	8,475	7,734	9,171	16,039	9,006	7,111	6,668	11,298	8,719	10,911	10,491	12,201	8,038	8,072
4	Reinvested earnings	58,651	18,643	18,669	12,937	8,402	17,449	20,910	21,968	15,355	17,333	11,541	14,422	13,851	19,579	20,941
5	Interest ¹	2,775	685	692	672	726	858	869	903	685	692	672	726	858	869	903
6	U.S. parents' receipts	5,742	1,339	1,410	1,484	1,509	1,464	1,518	1,577	1,339	1,410	1,484	1,509	1,464	1,518	1,577
7	U.S. parents' payments	-2,967	-654	-718	-812	-783	-806	-649	-674	-654	-718	-812	-783	-606	-649	-674
8	Less: Current-cost adjustment	11,185	2,748	2,786	2,815	2,836	2,848	2,852	2,847	2,748	2,786	2,815	2,836	2,848	2,852	2,847
9	Less: Withholding taxes	1,419	285	254	307	573	293	221	209	322	293	361	443	327	243	232
10	Equals: Income without current-cost adjustment, after deduction of withholding taxes ²	90,242	24,771	24,055	19,657	21,759	24,172	25,817	26,483	24,268	23,665	19,948	22,360	23,735	25,391	26,837
11	Petroleum	8,058	2,622	2,396	1,867	1,173	1,959	2,172	2,507	2,350	2,485	2,011	1,212	1,751	2,238	2,795
12	Manufacturing	31,417	9,079	8,811	6,368	7,159	8,119	8,691	8,825	8,848	8,332	6,515	7,722	7,890	8,200	8,991
13	Other	50,766	13,070	12,848	11,422	13,426	14,094	14,953	15,051	13,070	12,848	11,422	13,426	14,094	14,953	15,051
14	Capital with current-cost adjustment (table 1, line 51)	-132,829	-40,589	-44,507	-22,981	-24,752	-44,983	-32,897	-45,562	-37,300	-43,172	-21,586	-30,773	-41,385	-31,566	-44,535
15	Equity capital	-59,427	-12,245	-20,284	-13,776	-13,122	-19,809	-7,930	-23,739	-12,245	-20,284	-13,776	-13,122	-19,809	-7,930	-23,739
16	Increases in equity capital ³	-79,857	-16,889	-24,742	-18,366	-19,860	-22,822	-19,425	-26,538	-16,889	-24,742	-18,366	-19,860	-22,822	-19,425	-26,538
17	Decreases in equity capital ⁴	20,432	4,844	4,458	4,591	6,739	3,013	11,495	2,799	4,444	4,458	4,591	6,739	3,013	11,495	2,799
18	Reinvested earnings	-58,651	-18,643	-18,669	-12,937	-8,402	-17,449	-20,910	-21,968	-15,355	-17,333	-11,541	-14,422	-13,851	-19,579	-20,941
19	Intercompany debt	-14,753	-9,700	-5,555	3,731	-3,229	-7,725	-4,057	145	-9,700	-5,555	3,731	-3,229	-7,725	-4,057	145
20	U.S. parents' receivables	-22,277	-5,580	-6,207	-1,878	-8,612	-5,195	-8,360	-6,038	-5,580	-6,207	-1,878	-8,612	-5,195	-8,360	-6,038
21	U.S. parents' payables	7,526	-4,120	653	5,610	5,383	-2,530	4,302	5,183	-4,120	653	5,610	5,383	-2,530	4,302	5,183
22	Less: Current-cost adjustment (line 8 with sign reversed)	-11,185	-2,748	-2,786	-2,815	-2,836	-2,848	-2,852	-2,847	-2,748	-2,786	-2,815	-2,836	-2,848	-2,852	-2,847
23	Equals: Capital without current-cost adjustment ²	-121,644	-37,841	-41,721	-20,166	-21,916	-42,135	-30,045	-42,715	-34,552	-40,386	-18,771	-27,937	-38,537	-28,714	-41,688
24	Equity capital (line 15)	-59,427	-12,245	-20,284	-13,776	-13,122	-19,809	-7,930	-23,739	-12,245	-20,284	-13,776	-13,122	-19,809	-7,930	-23,739
25	Petroleum	-7,254	-2,397	-1,443	-1,552	-1,862	-4,552	-563	-663	-2,397	-1,443	-1,552	-1,862	-4,552	-563	-663
26	Manufacturing	-15,160	-5,304	-2,542	-4,417	-2,897	-5,920	-4,913	-6,072	-5,304	-2,542	-4,417	-2,897	-5,920	-4,913	-6,072
27	Other	-37,012	-4,544	-16,299	-7,807	-8,362	-9,337	-2,454	-17,004	-4,544	-16,299	-7,807	-8,362	-9,337	-2,454	-17,004
28	Reinvested earnings without current-cost adjustment (line 18 less line 22)	-47,466	-15,895	-15,883	-10,122	-5,566	-14,601	-18,058	-19,121	-12,607	-14,547	-8,726	-11,586	-11,003	-16,727	-18,094
29	Petroleum	-2,988	-1,161	-1,370	-881	424	-686	-1,083	-1,774	-619	-1,550	-821	2	-257	-1,217	-1,770
30	Manufacturing	-13,806	-6,902	-5,462	-1,984	-458	-4,916	-6,079	-5,693	-4,990	-4,322	-5,926	-4,568	-4,025	-5,162	-5,809
31	Other	-30,672	-8,833	-9,050	-7,257	-5,532	-9,999	-10,896	-11,653	-6,998	-8,675	-5,979	-9,020	-6,721	-10,348	-10,515
32	Intercompany debt (line 19)	-14,753	-9,700	-5,555	3,731	-3,229	-7,725	-4,057	145	-9,700	-5,555	3,731	-3,229	-7,725	-4,057	145
33	Petroleum	462	-225	-289	96	880	-1,525	-175	443	-225	-289	96	880	-1,525	-175	443
34	Manufacturing	2,288	-1,277	724	1,244	1,597	-4,204	971	-2,122	-1,277	724	1,244	1,597	-4,204	971	-2,122
35	Other	-17,501	-8,198	-5,989	2,392	-5,706	-1,997	-4,854	1,824	-8,198	-5,989	2,392	-5,706	-1,997	-4,854	1,824
36	Royalties and license fees, before deduction of withholding taxes, net	23,541	5,515	5,626	5,651	6,749	5,824	5,531	5,546	5,673	5,793	6,283	5,777	5,693	5,664	5,664
37	U.S. parents' receipts (table 1, part of line 9)	24,712	5,805	5,869	5,950	7,058	5,929	5,841	5,852	5,963	6,086	6,591	6,081	6,003	5,971	5,971
38	U.S. parents' payments (table 1, part of line 26)	-1,169	-290	-273	-298	-308	-304	-310	-307	-290	-273	-298	-308	-304	-310	-307
39	Other private services, before deduction of withholding taxes, net	8,482	2,456	2,291	1,877	1,858	2,140	1,748	1,805	2,320	2,207	1,958	1,996	1,979	1,658	1,900
40	U.S. parents' receipts (table 1, part of line 10)	18,212	4,503	4,657	4,282	4,770	4,455	4,433	4,487	4,608	4,631	4,411	4,561	4,560	4,402	4,626
41	U.S. parents' payments (table 1, part of line 27)	-8,730	-2,047	-2,367	-2,405	-2,911	-2,315	-2,686	-2,682	-2,288	-2,424	-2,453	-2,565	-2,581	-2,744	-2,726
Foreign direct investment in the United States:																
42	Income with current-cost adjustment, before deduction of withholding taxes (table 1, line 31)	-43,441	-10,012	-11,089	-11,540	-10,800	-11,596	-15,023	-14,517	-10,501	-10,567	-11,290	-11,081	-12,076	-14,496	-14,258
43	Earnings	-32,425	-7,503	-8,382	-8,661	-7,879	-8,485	-11,504	-11,038	-7,992	-7,861	-8,411	-8,160	-8,965	-10,977	-10,779
44	Distributed earnings	-19,638	-3,866	-4,077	-3,021	-8,674	-3,550	-6,334	-2,972	-4,231	-3,806	-4,000	-7,043	-3,806	-6,756	-3,737
45	Reinvested earnings	-12,789	-3,637	-4,306	-5,641	795	-4,935	-5,170	-8,066	-3,761	-3,498	-4,411	-1,117	-5,159	-4,221	-7,042
46	Interest ¹	-11,015	-2,509	-2,706	-2,879	-2,921	-3,111	-3,519	-3,480	-2,509	-2,706	-2,879	-2,921	-3,111	-3,519	-3,480
47	U.S. affiliates' payments	-13,014	-2,889	-3,201	-3,372	-3,552	-3,579	-3,972	-3,962	-2,889	-3,201	-3,372	-3,552	-3,579	-3,972	-3,962
48	U.S. affiliates' receipts	1,999	380	495	493	631	468	453	482	380	495	493	631	468	453	482
49	Less: Current-cost adjustment	-4,415	-1,046	-1,085	-1,123	-1,161	-1,197	-1,232	-1,267	-1,046	-1,085	-1,123	-1,161	-1,197	-1,	

Table 6.—Securities Transactions

(Millions of dollars)

Line	(Credits +; debits -)	1998	Not seasonally adjusted						
			1998				1999		
			I	II	III	IV	I	II	III
A1	Foreign securities, net U.S. purchases (-), (table 1, line 52 or lines 2 + 13 below)	-102,817	-14,116	-32,886	14,994	-70,809	8,132	-64,579	-26,511
2	Stocks, net U.S. purchases	-77,753	-3,500	-3,083	8,191	-79,361	8,346	-67,721	-19,173
3	New issues in the United States	-11,608	-1,144	-4,856	-2,707	-2,901	-1,121	-3,047	-1,785
4	Of which Western Europe	-3,949	-138	-1,963	-1,679	-189	(D)	(D)	(D)
5	Canada	(D)	(D)	(D)	(D)	(D)	(D)	-1,361	-951
6	Latin America	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
7	Transactions in outstanding stocks, net	-66,145	-2,356	1,773	10,898	-76,460	9,467	-64,674	-17,388
8	Western Europe	-54,489	1,872	8,444	13,373	-78,178	17,217	-57,808	-1,041
9	Of which United Kingdom	-37,757	1,659	8,106	4,042	-51,564	14,571	-55,232	-5,777
10	Canada	-4,043	-31	362	2,664	-1,048	-45	1,339	471
11	Japan	-1,437	-2,632	2,722	356	-1,883	-8,710	-8,566	-8,887
12	Other	-14,262	-1,565	-9,755	-5,495	2,553	1,005	361	-7,931
13	Bonds, net U.S. purchases	-25,064	-10,616	-29,803	6,803	8,552	-214	3,142	-7,338
14	New issues in the United States	-58,295	-13,658	-24,270	-10,702	-9,665	-7,791	-14,374	-9,673
15	By issuer:								
16	Central governments and their agencies and corporations	-8,701	-300	-7,142	-984	-275	-3,790	-4,843	-1,150
17	Other governments and their agencies and corporations ¹	-2,764	-1,971	-500	-293	-225	-225	-1,175	-
18	Private corporations	-46,420	-13,358	-15,157	-9,218	-8,687	-3,776	-8,356	-8,523
19	International financial institutions ²	-410				-410			
20	By area:								
21	Western Europe	-17,474	-6,196	-5,756	-3,907	-1,615		-3,963	-5,000
22	Canada	-9,940	-775	-2,335	-3,141	-3,689	-1,825	-724	-1,545
23	Japan	-2,271	-2,271				-50		
24	Latin America	-13,218	-2,199	-5,970	-2,466	-2,581	-3,460	-6,704	-550
25	Other countries	-14,984	-2,217	-10,209	-1,188	-1,370	-2,456	-2,983	-2,578
26	International financial institutions ²	-410				-410			
27	Redemptions of U.S.-held foreign bonds ³	17,525	3,102	5,580	4,607	4,236	3,463	2,417	6,573
28	Western Europe	3,682	1,065	886	1,057	674	798	1,404	1,584
29	Canada	3,136	890	1,018	591	637	1,123	572	1,785
30	Other countries	10,707	1,147	3,676	2,959	2,925	1,542	441	2,733
31	International financial institutions ²								471
32	Other transactions in outstanding bonds, net ³	15,706	-60	-11,113	12,898	13,981	4,114	15,099	-4,238
33	Western Europe	-3,088	-645	-12,907	-337	10,801	3,674	10,844	-7,208
34	Of which United Kingdom	-6,848	-959	-10,505	-3,430	9,246	3,034	12,165	-7,284
35	Canada	2,110	-9	-567	4,010	-1,324	-233	340	-25
36	Japan	3,251	-2,835	-2,844	3,158	5,772	-1,716	3,209	-786
37	Other	13,433	3,429	5,205	6,067	-1,268	2,389	706	3,781
B1	U.S. securities, excluding Treasury securities and transactions of foreign official agencies, net foreign purchases (+), (table 1, line 66 or lines 2 + 10 below)	218,026	76,810	71,785	20,103	49,328	61,540	79,067	93,062
2	Stocks, net foreign purchases	47,487	30,227	14,203	-5,362	8,419	8,841	28,966	24,052
3	By area:								
4	Western Europe	65,209	27,144	22,101	13,724	2,240	17,900	18,888	21,997
5	Of which Germany	10,149	1,881	4,228	4,028	12	2,326	3,778	944
6	Switzerland	5,262	3,702	4,625	425	-3,490	2,043	3,085	-1,014
7	United Kingdom	21,982	10,647	4,070	3,272	3,993	6,953	4,514	17,405
8	Canada	-5,725	-178	-2,009	-937	-2,601	1,166	-833	-835
9	Japan	-2,079	-3,247	-253	373	1,048	-2,944	1,990	3,401
10	Other	-9,918	6,508	-5,636	-18,522	7,732	-7,281	8,921	-511
11	Corporate and other bonds, net foreign purchases	170,539	46,583	57,582	25,465	40,909	52,699	50,101	69,010
12	By type:								
13	New issues sold abroad by U.S. corporations	53,978	15,829	15,664	13,314	9,171	9,332	7,823	18,298
14	U.S. federally sponsored agency bonds, net	48,348	19,873	17,188	1,347	9,940	18,021	17,042	21,071
15	Other outstanding bonds, net	68,213	10,881	24,730	10,804	21,798	25,346	25,236	29,641
16	By area:								
17	Western Europe	123,080	24,593	35,784	24,629	38,074	30,954	30,637	40,886
18	Of which Germany	4,425	857	1,726	1,129	713	1,846	1,389	2,351
19	Switzerland	3,595	370	1,808	1,296	121	1,088	471	1,442
20	United Kingdom	96,837	19,769	27,701	18,267	31,100	23,356	24,506	31,250
21	Canada	5,806	1,861	1,488	1,511	946	1,075	527	1,059
22	Japan	8,345	664	3,888	-1,261	5,054	1,308	1,518	8,213
23	Other countries	33,053	19,439	16,170	691	-3,247	19,539	17,422	18,304
24	International financial institutions ²	255	26	252	-105	82	-177	-3	548
Memoranda:									
Other foreign transactions in marketable, long-term U.S. securities included elsewhere in international transactions accounts:									
Foreign official assets in the United States (lines in table 9):									
1	U.S. Treasury marketable bonds (line A4)	4,123	6,186	-1,426	-26,755	26,118	-7,081	-3,076	-1,176
2	Other U.S. Government securities (line A6)	6,332	2,610	254	1,906	1,562	5,993	5,792	1,932
3	U.S. corporate and other bonds (part of line A14)	202	97	802	-608	-89	-310	-678	1,657
4	U.S. stocks (part of line A14)	-3,679	-1,053	30	-1,886	-770	408	176	-1,368
5	Other foreign transactions in U.S. Treasury bonds and notes (table 9, line B4)	41,744	4,145	29,094	1,011	7,494	-10,363	4,657	13,973

See footnotes on page 111.

Table 7.—Claims on and Liabilities to Unaffiliated Foreigners Reported by U.S. Nonbanking Concerns

(Millions of dollars)

Line	(Credits +; increase in U.S. liabilities or decrease in U.S. assets. Debits -; decrease in U.S. liabilities or increase in U.S. assets.)	1998	Not seasonally adjusted							Amounts outstanding Sept. 30, 1999
			1998				1999			
			I	II	III	IV	I	II ¹	III ¹	
A1	Claims, total (table 1, line 53)	-25,041	-6,596	-14,327	-20,320	16,202	-13,853	-16,816	-32,098	649,400
2	Financial claims	-23,434	-6,417	-14,194	-19,528	16,705	-14,146	-15,765	-32,098	617,476
3	Denominated in U.S. dollars	-28,419	-1,798	-12,927	-18,075	4,381	-3,257	-10,663	-32,098	511,900
4	Denominated in foreign currencies	4,985	-4,619	-1,267	-1,453	12,324	-10,889	-5,102	.....	105,576
5	By type: Deposits ²	-719	18,264	-18,995	-19,504	19,516	-18,694	-16,519	-24,900	497,672
6	Financial intermediaries' accounts	-21,807	-23,491	4,664	-1,143	-1,837	4,892	1,269	-7,198	112,802
7	Other claims ^{2,3}	-908	-1,190	137	1,119	-974	-344	-615	.....	7,002
8	By area: Industrial countries ⁴	-13,734	-6,444	-13,437	-11,250	17,397	-20,182	-7,187	.....	317,665
9	Of which United Kingdom	-780	-2,496	-1,807	-12,949	16,472	-15,059	-8,434	.....	196,430
10	Canada	3,851	-288	-1,696	3,843	1,992	-2,339	1,071	.....	9,058
11	Caribbean banking centers ⁵	-10,051	2,123	-2,552	-8,547	-1,075	6,568	-8,253	-24,900	276,647
12	Other	351	-2,096	1,795	269	383	-532	-325	-7,198	23,164
13	Commercial claims	-1,607	-179	-133	-792	-503	293	-1,051	.....	31,924
14	Denominated in U.S. dollars	-1,853	-565	-427	-66	-795	33	-1,063	.....	30,567
15	Denominated in foreign currencies	246	386	294	-726	292	260	12	.....	1,357
16	By type: Trade receivables	-1,239	1	134	-493	-881	395	-1,030	.....	27,754
17	Advance payments and other claims	-368	-180	-267	-299	378	-102	-21	.....	4,170
18	By area: Industrial countries ⁴	-835	-792	105	-189	41	-33	-123	.....	18,392
19	Members of OPEC ⁶	235	282	-236	190	-1	21	-351	.....	2,278
20	Other	-1,007	331	-2	-793	-543	305	-577	.....	11,254
B1	Liabilities, total (table 1, line 68)	9,412	32,707	18,040	11,875	-53,210	20,188	8,871	12,136	499,609
2	Financial liabilities	13,570	33,126	17,046	12,217	-48,819	23,322	9,022	12,136	468,186
3	Denominated in U.S. dollars	26,803	33,348	9,383	9,707	-25,635	20,078	14,506	12,136	435,081
4	Denominated in foreign currencies	-13,233	-222	7,663	2,510	-23,184	3,244	-5,484	.....	33,105
5	By type: Financial intermediaries' accounts	8,213	14,713	4,907	7,135	-18,542	13,300	6,839	9,136	152,492
6	Other liabilities	5,357	18,413	12,139	5,082	-30,277	10,022	2,183	3,000	315,694
7	By area: Industrial countries ⁴	-1,072	21,903	15,615	2,419	-41,009	21,377	17,136	.....	254,216
8	Of which United Kingdom	18,638	24,802	19,221	14,002	-39,387	21,856	11,884	.....	181,817
9	Caribbean banking centers ⁵	15,035	9,554	756	10,740	-8,015	573	-10,475	3,000	183,759
10	Other	-393	1,669	675	-942	-1,795	1,372	2,361	9,136	30,211
11	Commercial liabilities	-4,158	-419	994	-342	-4,391	-3,134	-151	.....	31,423
12	Denominated in U.S. dollars	-3,759	-131	1,221	-790	-4,059	-3,516	-203	.....	29,971
13	Denominated in foreign currencies	-399	-288	-227	448	-332	382	52	.....	1,452
14	By type: Trade payables	558	-700	-280	853	685	-962	936	.....	10,935
15	Advance receipts and other liabilities	-4,716	281	1,274	-1,195	-5,076	-2,172	-1,087	.....	20,488
16	By area: Industrial countries ⁴	-1,663	-624	1,011	360	-2,410	-2,696	382	.....	20,246
17	Members of OPEC ⁶	1,096	-74	46	402	722	-478	-240	.....	2,874
18	Other	-3,591	279	-63	-1,104	-2,703	40	-293	.....	8,303

See footnotes on page 111.

Table 8.—Claims on Foreigners Reported by U.S. Banks

(Millions of dollars)

Line	(Credits +; decrease in U.S. assets. Debits -; increase in U.S. assets.)	1998	Not seasonally adjusted							Amounts outstanding Sept. 30, 1999
			1998				1999			
			I	II	III	IV	I	II	III	
1	Total (table 1, line 54)	-24,918	-1,062	-27,704	-33,344	37,192	27,771	-42,519	384	1,047,033
2	By type:									
3	Banks' own claims	-14,388	15,656	-30,024	-29,602	29,582	34,749	-28,685	-14,115	835,648
4	Payable in dollars	-26,569	15,857	-43,825	-32,288	33,687	40,513	-39,634	-6,843	757,702
5	By borrower:									
6	Claims on:									
7	own foreign offices	-52,671	24,512	-36,220	-43,059	2,096	32,687	-20,796	1,347	487,456
8	unaffiliated foreign banks	3,498	1,505	239	-940	2,694	12,274	-10,264	2,085	102,017
9	foreign public borrowers ¹	-2,959	-7,535	295	1,393	2,888	-11,201	-2,563	2,347	34,997
10	other private foreigners	25,563	-2,625	-8,139	10,318	26,009	6,753	-6,011	-12,622	133,232
11	By type of reporting institution: ²									
12	U.S.-owned banks' claims on:									
13	own foreign offices	4,601	18,572	-12,020	11,206	-13,157	26,434	9,394	-13,118	156,153
14	unaffiliated foreign banks	1,602	7,244	-6,313	5,397	-4,726	-2,424	715	2,068	27,496
15	other foreigners	-5,567	3,134	-3,063	5,937	-11,575	4,880	424	139	45,236
16	Foreign-owned banks' claims on:									
17	own foreign offices	-57,272	5,940	-24,200	-54,265	15,253	6,253	-30,190	14,465	331,303
18	unaffiliated foreign banks	5,201	2,278	-5,001	4,627	10,178	-5,005	1,690	1,690	54,913
19	other foreigners	-2,088	-5,363	-3,473	-5,619	12,367	-5,583	-906	550	53,374
20	U.S. brokers' and dealers' claims on:									
21	unaffiliated foreign banks	-3,305	-8,017	3,255	-1,336	2,793	4,520	-5,974	-1,673	19,608
22	other foreigners	30,259	-7,931	-1,308	11,393	28,105	-3,745	-8,092	-10,964	69,619
23	Payable in foreign currencies	12,181	-201	13,801	2,686	-4,105	-5,764	10,949	-7,272	77,946
24	Banks' domestic customers' claims	-10,530	-16,718	2,320	-3,742	7,610	-6,978	-13,834	14,499	211,385
25	Payable in dollars	1,997	-16,983	1,748	-2,643	19,875	-16,857	-1,399	2,559	199,851
26	Deposits	-5,057	-12,296	-602	-3,594	11,435	-13,213	-2,217	6,375	87,222
27	Foreign commercial paper ³	-2,909	-10,087	2,866	-678	4,990	-4,360	4,669	-2,667	81,277
28	Other negotiable and readily transferable instruments ⁴	5,936	5,663	-3,632	1,869	2,036	-13	-6,089	2,631	17,216
29	Outstanding collections and other	4,027	-263	3,116	-240	1,414	929	2,238	-3,780	14,136
30	Payable in foreign currencies	-12,527	265	572	-1,099	-12,265	9,679	-12,435	11,940	11,534
31	By area:									
32	Industrial countries ⁵	-27,393	7,652	-6,583	-38,509	10,047	11,183	-57,219	6,462	580,580
33	Western Europe	-41,603	-13,313	-25,338	-14,738	11,788	-4,304	-78,597	1,643	477,000
34	Of which United Kingdom	-14,485	7,327	-23,851	11,671	-9,632	5,768	-40,475	7,951	203,563
35	Canada	-21,561	-584	942	-15,323	-6,596	9,300	9,505	2,285	58,721
36	Japan	36,549	20,937	19,297	-8,228	4,543	5,875	15,029	-3,318	34,700
37	Other	-778	612	-1,484	-220	314	312	-3,156	5,852	10,159
38	Caribbean banking centers ⁶	-12,692	-12,924	-24,982	2,868	22,346	10,895	10,700	-8,363	308,455
39	Other areas	15,167	4,210	3,861	2,297	4,799	5,693	4,000	2,285	157,998
40	Of which Members of OPEC, included below ⁷	-7,592	2,514	2,131	-4,933	-7,304	6,012	3,050	-4,022	21,516
41	Latin America	1,680	-6,543	-469	2,869	5,823	1,882	794	3,994	88,596
42	Asia	16,207	13,879	2,758	1,510	-1,940	5,749	953	-3,079	59,809
43	Africa	508	-220	1,511	-588	-195	402	182	30	2,121
44	Other ⁸	-3,226	-2,905	61	-1,493	1,111	-2,340	2,071	1,341	7,472
45	Memoranda:									
46	International banking facilities' (IBFs) own claims, payable in dollars (lines 1-13 above)	37,620	24,228	-7,323	6,529	14,186	18,289	-7,549	-25,403	233,856
47	By borrower:									
48	Claims on:									
49	own foreign offices	33,029	17,547	-9,470	9,870	15,082	10,725	-8,740	-25,299	144,516
50	unaffiliated foreign banks	5,081	7,531	2,885	-3,221	-2,114	7,553	-106	-90	47,287
51	foreign public borrowers	-203	-164	-580	968	-417	306	283	-349	6,419
52	all other foreigners	-287	-686	-148	-1,088	1,635	-295	1,014	335	35,634
53	By bank ownership: ²									
54	U.S.-owned IBFs	-1,120	174	-2,310	-3,547	4,563	3,559	-4,594	-7,507	77,685
55	Foreign-owned IBFs	38,615	24,054	-5,013	9,951	9,623	14,730	-2,955	-17,896	156,171
56	Banks' dollar acceptances payable by foreigners	5,105	2,129	896	531	1,549	34	48	-177	4,614

See footnotes on page 111.

Table 9.—Foreign Official Assets and Other Foreign Assets in the United States Reported by U.S. Banks

[Millions of dollars]

Line	(Credits +; increase in foreign assets. Debits -; decrease in foreign assets.)	1998	Not seasonally adjusted						Amounts outstanding Sept. 30, 1999	
			1998				1999			
			I	II	III	IV	I	II		III
A1	Foreign official assets in the United States, net (table 1, line 56)	-21,684	11,004	-10,551	-46,489	24,352	4,708	-628	12,106	807,139
	By type:									
2	U.S. Treasury securities (table 1, line 58)	-9,957	11,336	-20,318	-32,811	31,836	800	-6,708	12,880	577,588
3	Bills and certificates	-14,160	5,034	-19,011	-6,178	5,995	7,764	-3,423	13,939	152,457
4	Bonds and notes, marketable	4,123	6,186	-1,426	-26,755	26,118	-7,081	-3,076	-1,176	419,032
5	Bonds and notes, nonmarketable	80	116	119	122	-277	117	-209	117	6,099
6	Other U.S. Government securities (table 1, line 59)	6,332	2,610	254	1,906	1,562	5,993	5,792	1,932	54,835
7	Other U.S. Government liabilities (table 1, line 60)	-3,113	-1,028	-807	-224	-1,054	-1,594	-647	-1,163	17,567
8	U.S. liabilities reported by U.S. banks, not included elsewhere (table 1, line 61)	-11,469	-958	9,488	-12,866	-7,133	-589	1,437	-1,832	124,348
9	Banks' liabilities for own account, payable in dollars ¹	-22,879	1,740	-1,515	-17,274	-5,830	-3,255	1,449	-1,465	76,980
10	Demand deposits	473	-263	531	1,025	-820	390	-441	-20	2,932
11	Time deposits ¹	-12,449	-1,430	-4,061	-8,160	1,202	-5,762	2,803	-1,342	25,301
12	Other liabilities ²	-10,903	3,433	2,015	-10,139	-6,212	2,117	-913	-103	48,747
13	Banks' custody liabilities, payable in dollars ^{1,3}	11,410	-2,698	11,003	4,408	-1,303	2,666	-12	-367	47,368
14	Other foreign official assets (table 1, line 62)	-3,477	-956	832	-2,494	-859	98	-502	289	32,801
	By area: (see text table D).									
B1	Other foreign assets in the United States, net (table 1, lines 65 and 69)	86,886	-51,466	59,897	75,875	2,580	-22,965	29,531	40,678	1,835,713
	By type:									
2	U.S. Treasury securities (line 65)	46,155	-2,557	25,759	-1,438	24,391	-8,781	-5,407	9,713	772,184
	By security:									
3	Bills and certificates	4,411	-6,702	-3,335	-2,449	16,897	1,582	-10,064	-4,280	36,573
4	Marketable bonds and notes	41,744	4,145	29,094	1,011	7,494	-10,363	4,657	13,973	735,611
5	U.S. liabilities reported by U.S. banks (line 69)	40,731	-48,909	34,138	77,313	-21,811	-14,184	34,938	30,965	1,063,529
6	Banks' own liabilities ¹	2,642	-56,217	28,921	52,606	-22,668	-4,422	43,924	17,500	960,674
7	Payable in dollars	24,428	-40,467	41,530	50,556	-27,191	-8,705	45,719	8,672	850,352
	By account:									
8	Liabilities to own foreign offices	77,767	-44,965	37,747	66,488	18,497	-30,085	41,640	-9,729	564,714
	Liabilities to unaffiliated foreigners:									
9	demand deposits	-2,476	1,507	3,127	-3,724	-3,386	967	5,850	8,294	41,664
10	time deposits ¹	-34,508	-13,989	7,693	-4,416	-23,796	5,692	1,716	1,100	131,134
11	other liabilities ²	-16,355	16,980	-7,037	-7,792	-18,506	14,721	-3,487	9,007	112,840
	By holder:									
12	Liabilities to:									
13	own foreign offices	77,767	-44,965	37,747	66,488	18,497	-30,085	41,640	-9,729	564,714
14	unaffiliated foreign banks	-43,006	-10,815	9,130	-10,601	-30,720	2,840	4,816	6,812	127,620
15	other private foreigners	-9,697	11,875	-3,864	-6,018	-11,690	14,769	-2,118	9,865	140,296
	international financial institutions ⁴	-636	3,438	-1,483	687	-3,278	3,771	1,381	1,724	17,722
	By type of reporting institution: ⁵									
16	U.S.-owned banks' liabilities to:									
17	own foreign offices	17,484	-6,882	5,826	12,727	5,813	-2,670	24,367	7,311	242,786
18	unaffiliated foreign banks	365	-1,646	5,495	-3,338	-146	-6,121	1,036	2,580	25,167
	other private foreigners and international financial institutions ⁴	9,348	-3,935	5,420	1,382	6,481	3,342	2,455	15,895	75,579
19	Foreign-owned banks' liabilities to:									
20	own foreign offices	60,283	-38,083	31,921	53,761	12,684	-27,415	17,273	-17,040	321,928
21	unaffiliated foreign banks	-44,213	-12,913	5,436	-8,999	-27,737	6,912	-872	6,638	83,704
	other private foreigners and international financial institutions ⁴	-8,255	5,740	-2,194	-419	-7,952	8,478	3,454	-3,113	50,234
22	U.S. brokers' and dealers' liabilities to:									
23	unaffiliated foreign banks	842	3,744	-1,801	1,736	-2,837	2,049	4,652	-2,386	18,749
	other private foreigners and international financial institutions ⁴	-14,856	13,508	-8,573	-6,294	-13,497	6,720	-6,646	-1,193	32,205
24	Payable in foreign currencies	-21,786	-15,750	-12,609	2,050	4,523	4,283	-1,795	8,828	110,322
25	Banks' custody liabilities, payable in dollars ^{1,3}	38,089	7,308	5,217	24,707	857	-9,762	-8,986	13,465	102,855
26	Of which negotiable and readily transferable instruments	36,521	5,761	5,349	25,068	343	-10,559	-10,473	6,617	82,281
	By area:									
27	Industrial countries ⁶	53,853	-40,378	9,997	66,679	17,555	-26,705	-13,825	16,102	1,102,411
28	Western Europe	13,769	-14,400	14,859	42,587	-29,277	-6,751	-7,048	12,494	790,729
29	Canada	1,598	-3,438	3,381	932	723	409	3,558	3,668	46,377
30	Other	38,486	-22,540	-8,243	23,160	46,109	-20,363	-10,335	-60	265,305
31	Caribbean banking centers ⁷	-1,005	-30,642	53,600	-7,105	-16,858	-8,117	33,940	17,152	433,595
32	Other areas	34,039	19,554	-3,700	16,301	1,884	11,857	9,416	7,424	299,707
33	Of which Members of OPEC, included below ⁸	-647	3,200	-4,585	1,997	-1,279	431	576	854	35,025
34	Latin America	14,237	8,065	1,114	6,068	-1,010	4,598	5,935	2,345	108,497
35	Asia	18,382	4,961	625	8,077	4,719	4,000	911	4,916	152,300
36	Africa	-897	166	-899	3	-167	-180	-138	107	4,610
37	Other ⁹	2,316	6,362	-4,540	2,153	-1,659	3,439	2,708	56	34,300
	Memoranda:									
1	International banking facilities' (IBF's) own liabilities, payable in dollars (in lines A9, and B7 above)	-35,382	-33,779	-11,056	32,853	-23,200	-23,734	8,506	5,266	361,965
	By holder:									
2	Liabilities to:									
3	own foreign offices	22,199	-19,621	-12,611	52,161	2,270	-21,780	7,616	-147	217,063
4	unaffiliated foreign banks	-40,064	-16,408	8,615	-11,840	-20,431	674	-2,419	10,103	81,858
5	foreign official agencies	-17,819	-1,544	-6,637	-7,134	-2,504	-5,401	1,398	-3,181	31,702
	other private foreigners and international financial institutions ⁴	302	3,794	-423	-534	-2,535	2,773	1,911	-1,509	31,342
	By bank ownership: ⁵									
6	U.S.-owned IBF's	-6,236	-4,667	2,710	2,318	-6,597	-1,720	2,882	6,041	69,924
7	Foreign-owned IBF's	-29,146	-29,112	-13,766	30,335	-16,603	-22,014	5,624	-775	292,041
8	Negotiable certificates of deposit held for foreigners ¹ (in lines A13 and B25 above)	10,943	6,348	-1,131	6,155	-429	-3,991	-466	1,798	24,367

See footnotes on page 111.

FOOTNOTES TO U.S. INTERNATIONAL TRANSACTIONS TABLES 1-10

General notes for all tables: *P* Preliminary. *R* Revised.(*) Less than \$500,000 (±) *D* 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—decrease 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.
3. Includes some goods: Mainly military equipment in line 5; major equipment, other materials, supplies, and petroleum products purchased abroad by U.S. military agencies in line 22; and fuels purchased by airline and steamship operators in lines 8 and 25.
4. Includes transfers of goods and services under U.S. military grant programs.
5. Beginning in 1982, these lines are presented on a gross basis. The definition of exports is revised to exclude U.S. parents' payments to foreign affiliates and to include U.S. affiliates' receipts from foreign parents. The definition of imports is revised to include U.S. parents' payments to foreign affiliates and to exclude U.S. affiliates' receipts from foreign parents.
6. Beginning in 1982, the "other transfers" component includes taxes paid by U.S. private residents to foreign governments and taxes paid by private nonresidents to the U.S. Government.
7. At the present time, all U.S. Treasury-owned gold is held in the United States.
8. Includes sales of foreign obligations to foreigners.
9. Consists of bills, certificates, marketable bonds and notes, and nonmarketable convertible and nonconvertible bonds and notes.
10. Consists of U.S. Treasury and Export-Import Bank obligations, not included elsewhere, and of debt securities of U.S. Government corporations and agencies.
11. Includes, primarily, U.S. Government liabilities associated with military agency sales contracts and other transactions arranged with or through foreign official agencies; see table 4.
12. Consists of investments in U.S. corporate stocks and in debt securities of private corporations and State and local governments.
13. Conceptually, line 76 is equal to "net foreign investment" in the national income and product accounts (NIPA's). However, the foreign transactions account in the NIPA's (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 the "Reconciliation and Other Special Tables" section 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 (published annually in the August issue of the Survey).

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, June 1990, June 1992, June 1993, June 1995, and July 1996-99 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 June 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" month data supplied by the Census Bureau (see Technical Notes in the December 1988 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 10, line 5 (transfers under U.S. military agency sales contracts); the imports are included in tables 1 and 10, 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 June 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 June 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 10, 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, 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, and Spain.

Table 3:

1. Patented techniques, processes, and formulas and other intangible property rights that are used in goods production.
2. Copyrights, trademarks, franchises, rights to broadcast live events, and other intangible property rights.
3. Other unaffiliated services receipts (exports) include mainly expenditures of foreign governments and international organizations in the United States. Payments (imports) include mainly expenditures of U.S. residents temporarily working abroad and film rentals.

Table 4:

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 A44 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 C8. 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.

Table 5:

1. Beginning with 1991, payments and receipts of interest related to interest rate and foreign currency swaps between affiliates and parents are netted and are shown as either net payments or net receipts. Receipts and payments of other types of interest are shown on a gross basis.

2. Petroleum includes, and manufacturing and "other" industries exclude, the exploration, development, and production of crude oil and gas, and the transportation, refining, and marketing of petroleum products, exclusive of petrochemicals. "Other" industries includes wholesale trade; banking; finance (except banking), insurance, and real estate; services; and other industries—agriculture, forestry, and fishing; mining; construction; transportation, communication, and public utilities; and retail trade.

3. Acquisition of equity holdings in existing and newly established companies, capital contributions, capitalization of intercompany debt, and other equity contributions.

4. Sales (total and partial), liquidations, returns of capital contributions, and other dispositions of equity holdings.

Table 6:

1. Primarily provincial, regional, and municipal.
2. Largely transactions by International Bank for Reconstruction and Development (IBRD), International Development Association (IDA), International Finance Corporation (IFC), Asian Development Bank (ADB), and Inter-American Development Bank (IDB).

3. Estimate for scheduled redemptions and identifiable early retirements. Includes estimates based on Canadian statistics for redemptions of Canadian issues held in the United States. Unidentified and nonscheduled retirements appear in line A30.

Table 7:

1. 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.

2. Deposits (line A5) include other financial claims (line A7) for some countries due to the commingling of these categories in foreign source data.

3. Primarily mortgages, loans, and bills and notes drawn on foreigners.

4. Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

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

6. Ecuador, Venezuela, Indonesia, and other Asian and African oil-exporting countries. Excludes Ecuador beginning in January 1993.

Table 8:

1. Includes central governments and their agencies and corporations; state, provincial, and local governments and their agencies and corporations; and international and regional organizations.

2. U.S.-owned banks are mainly 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. U.S. brokers and dealers are identified separately beginning with the first quarter of 1997; prior to 1997, they are commingled with U.S.-owned banks' accounts.

3. Commercial paper issued in the U.S. market by foreign incorporated entities; excludes commercial paper issued through foreign direct investment affiliates in the United States.

4. Negotiable and readily transferable instruments other than commercial paper, payable in dollars; consists largely of negotiable certificates of deposit.

5. Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

6. Bahamas, British West Indies (Cayman Islands), Netherlands Antilles, and Panama.

7. Ecuador, Venezuela, Indonesia, and other Asian and African oil-exporting countries. Excludes Ecuador beginning in January 1993.

8. Includes Eastern Europe and international and regional organizations.

Table 9:

1. Negotiable certificates of deposit issued by banks in the United States are included in banks' custody liabilities and are separately identified in memorandum line 8. Nonnegotiable certificates of deposit are included in time deposits.

2. Includes borrowing under Federal funds or repurchase arrangements, deferred credits, and liabilities other than deposits.

3. Mainly negotiable and readily transferable instruments, excluding U.S. Treasury securities.

4. Mainly International Bank for Reconstruction and Development (IBRD), International Development Association (IDA), International Finance Corporation (IFC), Asian Development Bank (ADB), Inter-American Development Bank (IDB), and the Trust Fund of the International Monetary Fund.

5. U.S.-owned banks are mainly 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. U.S. brokers and dealers are identified separately beginning with the first quarter of 1997; prior to 1997, they are commingled with U.S.-owned banks' accounts.

6. Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

7. Bahamas, British West Indies (Cayman Islands), Netherlands Antilles, and Panama.

8. Ecuador, Venezuela, Indonesia, and other Asian and African oil-exporting countries. Excludes Ecuador beginning in January 1993.

9. Includes Eastern Europe and international and regional organizations.

Table 10: For footnotes 1-13, see table 1.

14. The "European Union" includes the "European Union (8)," 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 (8)" 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.

Table 10.—U.S. International
[Millions]

Line	(Credits +; debits -) ¹	Western Europe							European Union ¹⁴		
		1998	1998			1999			1998	1998	
			II	III	IV	I	II ¹⁵	III ¹⁶		II	III
Current account											
1	Exports of goods and services and income receipts	368,598	92,169	89,819	94,935	94,152	92,875	94,140	333,872	83,574	80,915
2	Exports of goods and services	255,532	63,496	62,578	66,358	64,445	64,038	63,831	232,443	57,966	56,853
3	Goods, balance of payments basis ²	159,107	39,587	37,191	41,089	41,287	40,173	37,697	145,926	36,444	34,161
4	Services ³	96,425	23,909	25,387	25,269	23,158	23,865	26,134	86,517	21,522	22,692
5	Transfers under U.S. military agency sales contracts ⁴	4,596	1,278	1,159	1,313	1,169	1,025	1,262	3,077	921	691
6	Travel	22,819	5,744	6,702	5,653	4,788	5,784	7,055	20,927	5,269	6,139
7	Passenger fares	6,784	1,716	1,958	1,651	1,481	1,748	2,081	6,566	1,662	1,890
8	Other transportation	7,631	1,864	1,945	1,966	1,784	1,785	1,914	6,494	1,584	1,651
9	Royalties and license fees ⁵	18,842	4,402	4,547	5,552	4,615	4,477	4,445	17,813	4,169	4,300
10	Other private services ⁵	35,613	8,875	9,041	9,095	9,282	9,001	9,341	31,521	7,892	7,992
11	U.S. Government miscellaneous services	140	30	35	39	39	45	36	119	25	29
12	Income receipts	113,066	28,673	27,241	28,577	29,707	28,837	30,309	101,429	25,608	24,062
13	Income receipts on U.S.-owned assets abroad	112,922	28,637	27,204	28,542	29,670	28,800	30,272	101,297	25,575	24,028
14	Direct investment receipts	49,675	12,937	10,997	13,104	13,952	12,914	13,212	43,268	11,229	9,318
15	Other private receipts	62,277	15,522	15,924	15,209	15,427	15,760	16,838	57,185	14,188	14,471
16	U.S. Government receipts	970	178	283	229	291	126	222	844	158	239
17	Compensation of employees	144	36	37	35	37	37	37	132	33	34
18	Imports of goods and services and income payments	-399,610	-100,681	-103,147	-102,986	-101,041	-110,488	-115,271	-363,243	-91,576	-94,238
19	Imports of goods and services	-269,040	-68,048	-69,850	-70,370	-66,068	-74,157	-77,538	-242,250	-61,521	-62,773
20	Goods, balance of payments basis ²	-194,016	-48,154	-48,533	-52,311	-48,566	-52,424	-54,252	-176,081	-43,973	-44,029
21	Services ³	-75,024	-19,894	-21,317	-18,059	-17,502	-21,733	-23,286	-66,169	-17,548	-18,744
22	Direct defense expenditures	-6,780	-1,569	-1,729	-1,819	-1,935	-2,070	-2,280	-5,824	-1,340	-1,463
23	Travel	-18,817	-5,775	-6,345	-5,431	-5,593	-6,192	-7,013	-16,893	-5,193	-5,637
24	Passenger fares	-9,969	-2,943	-3,111	-2,042	-2,064	-3,154	-3,341	-8,988	-2,642	-2,811
25	Other transportation	-11,146	-2,742	-2,908	-2,919	-2,554	-2,714	-3,104	-9,009	-2,197	-2,353
26	Royalties and license fees ⁵	-6,990	-1,568	-1,727	-1,982	-2,087	-1,942	-1,747	-6,071	-1,321	-1,496
27	Other private services ⁵	-20,228	-5,031	-5,207	-5,580	-5,002	-5,373	-5,505	-18,445	-4,624	-4,736
28	U.S. Government miscellaneous services	-1,094	-266	-290	-286	-267	-288	-296	-939	-231	-248
29	Income payments	-130,570	-32,633	-33,297	-32,616	-34,973	-36,331	-37,733	-120,993	-30,055	-31,465
30	Income payments on foreign-owned assets in the United States	-130,266	-32,561	-33,228	-32,531	-34,886	-36,255	-37,661	-120,746	-29,996	-31,407
31	Direct investment payments	-27,626	-6,892	-6,786	-6,837	-6,837	-9,059	-9,752	-25,929	-6,297	-7,017
32	Other private payments	-63,367	-15,777	-16,559	-15,928	-15,750	-16,246	-17,719	-58,399	-14,580	-15,242
33	U.S. Government payments	-39,273	-9,892	-9,883	-9,766	-10,077	-9,981	-10,190	-36,418	-9,119	-9,148
34	Compensation of employees	-304	-72	-69	-85	-87	-76	-72	-247	-69	-68
35	Unilateral current transfers, net	-324	-90	-91	-95	-30	66	-22	692	184	169
36	U.S. Government grants ⁴	-493	-166	-143	-114	-172	-100	-167	-13	-8	-5
37	U.S. Government pensions and other transfers	-1,398	-347	-346	-367	-328	-329	-340	-1,205	-311	-314
38	Private remittances and other transfers ⁶	1,567	423	398	386	470	495	485	1,910	503	488
Capital and financial account											
Capital account											
39	Capital account transactions, net	148	37	37	38	37	37	38	132	33	33
Financial account											
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-205,362	-75,948	-30,805	-53,421	-22,065	-143,513	-42,804	-176,082	-70,118	-9,845
41	U.S. official reserve assets, net	-2,735	-148	-50	-2,386	5,502	348	-103	4,598	-135	-3
42	Gold ⁷										
43	Special drawing rights										
44	Reserve position in the International Monetary Fund										
45	Foreign currencies	-2,735	-148	-50	-2,386	5,502	348	-103	4,598	-135	-3
46	U.S. Government assets, other than official reserve assets, net	652	-16	272	205	206	61	97	441	-31	182
47	U.S. credits and other long-term assets	-278	-69	-76	-50	-62	-36	-196	-174	-38	-31
48	Repayments on U.S. credits and other long-term assets ⁸	912	126	277	236	294	91	288	602	30	203
49	U.S. foreign currency holdings and U.S. short-term assets, net	18	-83	71	19	-26	6	5	13	-23	10
50	U.S. private assets, net	-203,279	-75,784	-31,027	-51,240	-27,773	-143,922	-42,798	-181,121	-69,952	-10,024
51	Direct investment	-73,167	-27,592	-9,993	-12,914	-21,262	-8,262	-32,331	-66,460	-26,657	-7,729
52	Foreign securities	-75,318	-11,296	8,507	-68,487	21,689	-49,590	-12,110	-77,268	-12,857	5,704
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-13,149	-11,559	-14,797	18,408	-23,909	-7,476		-11,252	-10,651	-14,013
54	U.S. claims reported by U.S. banks, not included elsewhere	-41,645	-25,337	-14,744	11,753	-4,291	-78,594	1,643	-26,141	-19,787	6,014
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	377,622	110,725	96,246	92,316	78,971	191,609	105,732	363,139	100,727	106,033
56	Foreign official assets in the United States, net	5,957	5,094	-3,574	7,820	-4,419	-9,707	-1,057	(18)	(18)	(18)
57	U.S. Government securities	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(18)	(18)	(18)
59	Other ¹⁰	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	-666	-157	-103	-425	-432	-473	-505	-19	-61	137
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	371,665	105,631	99,820	84,496	83,390	201,316	106,789	(18)	(18)	(18)
64	Direct investment	167,892	15,943	14,823	116,144	21,839	140,447	31,623	158,029	15,635	15,025
65	U.S. Treasury securities	(17)	(17)	(17)	(17)	(17)	(17)	(17)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	188,290	57,885	38,353	40,315	48,854	49,525	62,883	178,309	51,248	36,255
67	U.S. currency										
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	1,274	16,866	3,891	-42,850	19,506	18,265		19,920	15,837	17,734
69	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	(17)	(17)	(17)	(17)	18 6,900	18 18,068	18 36,882
70	Statistical discrepancy (sum of above items with sign reversed)	-141,072	-26,212	-52,059	-30,787	-50,024	-30,586	-41,813	-158,510	-22,824	-83,067
Memoranda:											
71	Balance on goods (lines 3 and 20)	-34,909	-8,567	-11,342	-11,222	-7,279	-12,251	-16,555	-30,155	-7,529	-9,888
72	Balance on services (lines 4 and 21)	21,401	4,015	4,070	7,210	5,656	2,132	2,848	20,348	3,974	3,948
73	Balance on goods and services (lines 2 and 19)	-13,508	-4,552	-7,272	-4,012	-1,623	-10,119	-13,707	-9,807	-3,555	-5,920
74	Balance on income (lines 12 and 29)	-17,504	-3,960	-6,056	-4,039	-5,266	-7,494	-7,424	-19,564	-4,447	-7,403
75	Unilateral current transfers, net (line 35)	-324	-90	-91	-95	-30	66	-22	692	184	169
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-31,336	-8,602	-13,419	-8,146	-6,919	-17,547	-21,153	-28,679	-7,818	-13,154

See footnotes on page 111.

Transactions, by Area
 of dollars]

European Union ¹⁴				United Kingdom								European Union (6) ¹⁵								Line
1998				1998				1999				1998				1999				
IV	I	II	III	II	III	IV	I	II	III	II	III	IV	I	II	III					
85,414	85,586	83,763	84,729	104,511	26,628	25,258	26,094	26,593	26,166	26,796	176,193	43,766	42,812	45,575	44,932	43,857	44,674	1		
59,656	58,946	58,246	57,769	65,494	16,711	16,331	16,208	16,267	16,106	16,181	128,606	31,728	31,327	33,500	32,458	32,026	31,931	2		
36,961	38,499	36,847	34,446	37,899	9,771	9,302	8,741	9,809	9,302	8,967	85,902	21,160	19,831	22,443	22,381	21,596	20,106	3		
22,695	20,447	21,399	23,323	27,595	6,940	7,029	7,467	6,458	6,804	7,214	42,704	10,568	11,496	11,057	10,077	10,430	11,825	4		
916	589	592	791	392	110	98	102	118	97	87	1,075	353	224	403	169	150	323	5		
5,180	4,402	5,306	6,462	7,582	1,961	2,079	1,964	1,601	1,975	2,188	9,801	2,407	3,076	2,317	2,030	2,424	3,238	6		
1,609	1,426	1,693	2,009	2,216	555	588	587	493	566	625	3,423	853	1,033	814	734	869	1,088	7		
1,658	1,540	1,551	1,662	1,654	405	422	427	385	391	417	3,153	779	805	791	724	744	824	8		
5,267	4,366	4,220	4,191	3,707	824	830	1,275	874	837	880	10,275	2,450	2,555	2,931	2,578	2,436	2,393	9		
8,031	8,091	7,997	8,177	12,010	3,077	3,002	3,104	2,980	2,929	3,008	14,918	3,716	3,789	3,782	3,830	3,791	3,934	10		
34	33	40	31	34	8	10	8	7	9	9	59	10	14	19	12	16	15	11		
25,758	26,640	25,517	26,960	39,017	9,917	9,927	9,886	10,326	10,060	10,615	47,587	12,038	11,485	12,075	12,474	11,831	12,743	12		
25,726	26,606	25,483	26,926	38,953	9,901	9,910	9,871	10,309	10,042	10,597	47,527	12,023	11,470	12,060	12,459	11,817	12,729	13		
11,607	12,232	11,042	11,531	11,582	2,952	1,998	3,402	3,795	3,314	3,276	25,802	6,834	5,944	6,458	6,679	6,115	6,743	14		
13,908	14,130	14,331	15,217	27,348	6,949	6,912	6,446	6,514	6,728	7,321	21,113	5,047	5,371	5,432	5,616	5,609	5,845	15		
211	244	110	178	23			23				612	142	155	170	164	93	102	16		
32	34	34	34	64	16	17	15	17	18	18	60	15	15	15	15	14	14	17		
-93,187	-91,871	-100,244	-104,133	-127,719	-32,252	-32,941	-32,036	-31,919	-34,799	-36,526	-183,706	-46,134	-47,102	-47,866	-47,166	-51,464	-52,930	18		
-63,252	-60,195	-67,146	-69,384	-57,904	-14,803	-15,007	-14,786	-14,364	-16,250	-16,765	-143,691	-36,410	-36,535	-38,117	-35,847	-39,500	-40,379	19		
-47,386	-44,717	-47,919	-48,921	-34,416	-8,703	-8,579	-9,024	-8,823	-9,612	-9,918	-110,988	-27,641	-27,377	-30,237	-28,096	-29,920	-30,237	20		
-15,866	-15,478	-19,227	-20,463	-23,488	-6,100	-6,428	-5,762	-5,541	-6,638	-6,847	-32,703	-8,769	-9,158	-7,880	-7,751	-9,580	-10,142	21		
-1,627	-1,704	-1,775	-1,880	-618	-120	-210	-157	-166	-182	-180	-4,826	-1,126	-1,157	-1,370	-1,440	-1,490	-1,600	22		
-3,078	-3,284	-5,568	-6,230	-5,132	-1,493	-1,535	-1,098	-1,108	-1,601	-1,697	-8,411	-2,668	-2,794	-1,478	-1,619	-2,861	-3,089	23		
-1,838	-1,869	-2,831	-3,017	-3,767	-1,120	-1,158	-749	-818	-1,202	-1,246	-3,740	-1,108	-1,159	-783	-762	-1,190	-1,247	24		
-2,325	-2,103	-2,248	-2,592	-2,404	-568	-632	-632	-555	-581	-714	-4,518	-1,111	-1,164	-1,153	-1,020	-1,102	-1,235	25		
-1,757	-1,788	-1,626	-1,452	-2,062	-413	-494	-660	-601	-477	-337	-3,362	-781	-827	-905	-963	-897	-899	26		
-4,992	-4,504	-4,931	-5,037	-9,413	-2,361	-2,377	-2,443	-2,271	-2,571	-2,649	-7,138	-1,826	-1,867	-2,000	-1,770	-1,877	-1,886	27		
-249	-226	-248	-255	-92	-25	-22	-23	-22	-24	-24	-708	-169	-190	-191	-177	-163	-186	28		
-29,935	-31,676	-33,098	-34,749	-69,815	-17,449	-17,934	-17,250	-17,555	-18,549	-19,761	-40,015	-9,724	-10,567	-9,749	-11,319	-11,964	-12,551	29		
-29,867	-31,606	-33,035	-34,689	-69,737	-17,430	-17,915	-17,229	-17,534	-18,529	-19,741	-39,869	-9,689	-10,533	-9,709	-11,277	-11,926	-12,516	30		
-6,093	-7,950	-9,056	-9,232	-7,815	-2,001	-2,023	-1,703	-2,312	-2,560	-2,718	-14,719	-3,360	-4,016	-3,423	-4,644	-5,550	-6,738	31		
-14,862	-14,368	-14,749	-16,051	-41,195	-10,275	-10,728	-10,351	-10,041	-10,783	-11,693	-14,298	-3,601	-3,759	-3,519	-3,658	-3,352	-3,688	32		
-9,112	-9,288	-9,230	-9,406	-20,727	-5,154	-5,164	-5,175	-5,181	-5,186	-5,330	-10,852	-2,728	-2,758	-2,767	-2,975	-3,024	-3,080	33		
-68	-70	-63	-60	-78	-19	-19	-21	-21	-20	-20	-146	-35	-34	-40	-42	-38	-35	34		
176	296	345	311	1,399	370	335	350	387	417	432	169	27	60	56	141	151	110	35		
-286	-293	-297	-299	-194	-50	-46	-48	-51	-50	-48	-690	-181	-187	-158	-161	-162	-171	36		
462	589	642	610	1,593	420	381	398	438	467	480	859	208	247	214	302	313	281	37		
34	34	34	35	44	11	11	12	12	12	12	63	16	16	15	16	16	17	38		
-55,148	-17,814	-119,750	-34,648	-104,627	-48,305	-6,567	-43,262	6,178	-104,891	-26,888	-53,635	-11,377	-6,788	-17,257	-16,051	-18,111	-6,444	39		
5,156	-1,972	-159	-67								4,598	-135	-3	5,156				40		
																		41		
																		42		
5,156	-1,972	-159	-67								4,598	-135	-3	5,156				43		
150	139	9	-6	130	2	-4	132	-4	-2	-4	10	-29	10	16	-16	6	1	44		
-28	-37	-29	-185	130			130											45		
165	196	35	190															46		
13	-20	3	-1	(*)	2	-4	2	-4	-2	-4	10	-29	10	16	-16	6	1	47		
-60,454	-15,981	-119,800	-34,575	-104,757	-48,307	-6,563	-43,394	6,182	-104,889	-26,884	-58,243	-11								

Table 10.—U.S. International
[Millions]

Line	(Credits +; debits -) ¹	Eastern Europe						Canada			
		1998	1998			1999			1998	1998	
			II	III	IV	I	II ²	III ²		II	III
Current account											
1	Exports of goods and services and income receipts	12,913	3,739	2,971	2,572	2,653	2,770	3,239	195,932	51,029	44,979
2	Exports of goods and services	11,160	3,189	2,855	2,387	2,156	2,273	2,585	176,523	46,060	40,575
3	Goods, balance of payments basis ²	7,365	2,299	1,655	1,412	1,213	1,304	1,458	156,810	40,835	35,892
4	Services ³	3,795	890	1,000	975	943	969	1,107	19,713	5,225	4,683
5	Transfers under U.S. military agency sales contracts ⁴	336	50	88	107	67	81	94	106	17	18
6	Travel	1,257	317	362	324	258	319	381	6,206	1,862	1,297
7	Passenger fares	159	43	38	38	40	44	41	1,477	375	343
8	Other transportation	279	73	64	65	65	105	112	2,329	595	563
9	Royalties and license fees ⁵	279	71	73	74	67	66	70	1,646	408	406
10	Other private services ⁵	1,439	316	369	355	439	344	397	7,864	1,948	2,031
11	U.S. Government miscellaneous services	46	20	6	12	7	10	12	85	20	25
12	Income receipts	1,753	550	316	185	497	497	674	19,409	4,969	4,404
13	Income receipts on U.S.-owned assets abroad	1,745	548	314	183	495	495	672	19,330	4,950	4,385
14	Direct investment receipts	-367	-4	-252	-304	-45	13	159	8,104	2,154	1,553
15	Other private receipts	1,874	504	493	456	484	472	466	11,226	2,796	2,832
16	U.S. Government receipts	238	48	73	31	56	10	47			
17	Compensation of employees	8	2	2	2	2	2	2	79	19	19
18	Imports of goods and services and income payments	-15,366	-4,105	-4,267	-3,730	-3,294	-4,411	-4,346	-199,595	-50,929	-49,207
19	Imports of goods and services	-13,685	-3,671	-3,807	-3,323	-2,874	-3,998	-3,934	-191,147	-48,741	-46,737
20	Goods, balance of payments basis ²	-10,899	-2,858	-2,874	-2,744	-2,402	-3,096	-2,856	-175,806	-44,796	-41,779
21	Services ³	-2,786	-813	-933	-679	-472	-902	-1,078	-15,341	-3,945	-4,958
22	Direct defense expenditures	-167	-33	-51	-42	-50	-47	-80	-68	-17	-16
23	Travel	-1,296	-427	-518	-214	-151	-458	-573	-5,719	-1,502	-2,457
24	Passenger fares	-409	-131	-149	-78	-57	-141	-161	-585	-165	-200
25	Other transportation	-220	-68	-46	-45	-42	-71	-80	-2,911	-751	-710
26	Royalties and license fees ⁵	-9	-2	-1	-2	-1	-3	-3	-425	-91	-116
27	Other private services ⁵	-600	-149	-152	-155	-155	-163	-160	-5,426	-1,365	-1,403
28	U.S. Government miscellaneous services	-85	-13	-16	-43	-16	-19	-21	-207	-54	-56
29	Income payments	-1,681	-434	-460	-407	-420	-413	-412	-8,448	-2,188	-2,470
30	Income payments on foreign-owned assets in the United States	-1,616	-419	-446	-388	-401	-397	-397	-8,146	-2,115	-2,399
31	Direct investment payments	-8	-1	-4	-2	-2	-4	-5	-3,010	-877	-1,106
32	Other private payments	-502	-133	-156	-92	-97	-91	-82	-4,261	-1,015	-1,092
33	U.S. Government payments	-1,108	-285	-286	-294	-302	-302	-300	-875	-223	-201
34	Compensation of employees	-65	-15	-14	-19	-19	-16	-15	-302	-73	-71
35	Unilateral current transfers, net	-3,358	-857	-1,007	-769	-856	-871	-996	-613	-143	-163
36	U.S. Government grants ⁴	-1,895	-501	-656	-392	-424	-442	-581			
37	U.S. Government pensions and other transfers	-40	-10	-10	-10	-12	-11	-10	-477	-119	-120
38	Private remittances and other transfers ⁶	-1,423	-346	-341	-367	-420	-418	-405	-136	-24	-43
Capital and financial account											
Capital account											
39	Capital account transactions, net	20	5	5	5	6	6	6	64	20	16
Financial account											
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-1,954	-2,023	1,573	-1,040	-1,518	622	-759	-29,227	-4,204	-9,449
41	U.S. official reserve assets, net										
42	Gold ⁷										
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	70	34	72	-9	-19	-57	-119	(*)	-1	
47	U.S. credits and other long-term assets	-470	-10	-267	-19	-164	-1,138	-139			
48	Repayments on U.S. credits and other long-term assets ⁸	446	10	273	16	160	1,086	21			
49	U.S. foreign currency holdings and U.S. short-term assets, net	94	34	66	-6	-15	-5	-1	(*)	-1	
50	U.S. private assets, net	-2,024	-2,057	1,501	-1,031	-1,499	679	-640	-29,227	-4,203	-9,449
51	Direct investment	-1,368	-470	-173	-9	-258	-301	-276	-10,260	-1,934	-2,204
52	Foreign securities	-2,247	-1,517	420	-868	-120	-118	-7	-1,182	-1,631	3,750
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	166	-241	278	-7	72	11		3,776	-1,580	4,328
54	U.S. claims reported by U.S. banks, not included elsewhere	1,425	171	976	-147	-1,193	1,087	-357	-21,561	942	-15,323
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	-2,550	-977	-2,090	1,336	2,910	-2,632	41	13,827	5,056	9,746
56	Foreign official assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	(18)	510	-873	-3,227
57	U.S. Government securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(17)	(17)	(17)
58	U.S. Treasury securities ⁹	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(17)	(17)	(17)
59	Other ¹⁰	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(17)	(17)	(17)
60	Other U.S. Government liabilities ¹¹	186	-44	10	149	59	141	112	-28	11	-1
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(17)	(17)	(17)
62	Other foreign official assets ¹²	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(17)	(17)	(17)
63	Other foreign assets in the United States, net	(18)	(18)	(18)	(18)	(18)	(18)	(18)	13,317	5,929	12,973
64	Direct investment	-236	-1	-2	-9	-166	50	107	11,859	2,676	10,142
65	U.S. Treasury securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(17)	(17)	(17)
66	U.S. securities other than U.S. Treasury securities	473	199	209	1	15	-140	-97	81	-521	574
67	U.S. currency										
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	-166	11	10	-225	75	-122		-221	393	1,325
69	U.S. liabilities reported by U.S. banks, not included elsewhere	18-2,807	18-1,142	18-2,317	18-1,420	18-2,927	-2,561	18-81	(17)	(17)	(17)
70	Statistical discrepancy (sum of above items with sign reversed)	10,295	4,218	2,815	1,626	99	4,516	2,815	19,612	-829	4,078
Memoranda:											
71	Balance on goods (lines 3 and 20)	-3,534	-559	-1,219	-1,332	-1,189	-1,792	-1,398	-18,996	-3,961	-5,887
72	Balance on services (lines 4 and 21)	1,009	77	67	396	471	87	29	4,372	1,280	-275
73	Balance on goods and services (lines 2 and 19)	-2,525	-482	-1,152	-936	-718	-1,725	-1,369	-14,624	-2,681	-6,162
74	Balance on income (lines 12 and 29)	72	116	-144	-222	77	84	262	10,961	2,781	1,934
75	Unilateral current transfers, net (line 35)	-3,358	-857	-1,007	-769	-856	-871	-996	-613	-143	-163
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-5,811	-1,223	-2,303	-1,927	-1,497	-2,512	-2,103	-4,276	-43	-4,391

See footnotes on page 111.

Transactions, by Area—Continued
(of dollars)

Canada				Latin America and Other Western Hemisphere									Japan							Line		
1998				1998									1998									
IV	I	II ^r	III ^p	1998	II	III	IV	I	II ^r	III ^p	1998	II	III	IV	I	II ^r	III ^p					
49,765	50,011	53,800	50,240	252,300	63,994	62,478	63,178	57,854	62,330	65,270	96,622	23,437	23,888	23,260	25,346	23,678	25,031	1				
44,938	45,304	48,257	44,759	188,948	47,051	47,030	48,933	43,520	46,284	49,063	88,332	21,425	22,296	21,355	22,928	21,152	22,729	2				
40,437	40,070	42,857	39,594	141,599	35,517	34,410	36,363	32,125	34,060	35,417	56,595	14,063	14,042	13,690	14,432	13,328	13,586	3				
4,501	5,234	5,400	5,165	47,349	11,534	12,620	12,570	11,395	12,224	13,646	31,737	7,362	8,254	7,665	8,496	7,824	9,143	4				
14	28	34	25	485	88	87	210	152	135	99	963	115	145	66	501	173	183	5				
1,219	1,674	1,808	1,477	19,498	4,770	5,447	5,107	4,347	4,897	5,856	9,424	2,216	2,776	2,107	2,358	2,231	2,923	6				
319	438	363	367	5,573	1,379	1,598	1,371	1,255	1,375	1,653	3,616	855	1,050	802	922	872	1,117	7				
585	585	627	625	3,429	815	860	933	820	874	910	2,944	740	726	775	752	817	840	8				
451	424	400	434	2,529	587	604	790	610	672	672	6,311	1,522	1,433	1,729	1,563	1,596	1,689	9				
1,892	2,064	2,147	2,216	15,891	3,855	3,994	4,117	4,170	4,193	4,416	8,433	1,905	2,110	2,173	2,383	2,125	2,380	10				
21	21	21	21	144	40	30	42	41	78	40	46	9	14	13	17	10	11	11				
4,827	4,707	5,543	5,481	63,352	16,943	15,448	14,245	14,334	16,046	16,207	8,290	2,012	1,592	1,905	2,418	2,526	2,302	12				
4,806	4,687	5,524	5,463	63,213	16,908	15,413	14,212	14,297	16,008	16,172	8,278	2,009	1,589	1,902	2,415	2,523	2,298	13				
2,026	1,909	2,831	2,787	16,909	4,710	3,711	3,213	3,979	5,127	4,886	2,180	489	303	580	1,003	871	921	14				
2,780	2,778	2,693	2,676	45,922	12,098	11,599	10,889	10,212	10,754	11,208	5,991	1,509	1,276	1,285	1,405	1,667	1,360	15				
21	20	19	18	382	100	103	110	106	127	78	107	11	10	5	7	15	17	16				
21	20	19	18	139	35	35	33	37	38	35	12	3	3	3	3	3	4	17				
-51,230	-52,743	-56,926	-57,328	-233,950	-58,738	-59,391	-59,348	-58,343	-63,021	-67,952	-171,780	-42,145	-42,488	-45,176	-42,970	-44,236	-47,341	18				
-49,456	-50,640	-54,264	-54,780	-178,109	-44,611	-44,836	-46,027	-45,878	-49,579	-53,709	-137,047	-33,734	-33,540	-35,680	-35,150	-35,203	-37,984	19				
-46,000	-47,584	-50,096	-49,408	-145,730	-36,883	-36,492	-37,796	-37,327	-41,166	-44,660	-121,850	-29,952	-29,837	-31,734	-31,098	-30,849	-33,435	20				
-3,456	-2,956	-4,168	-5,372	-32,379	-7,928	-8,344	-8,231	-8,551	-8,413	-9,049	-15,197	-3,782	-3,703	-3,946	-4,052	-4,354	-4,549	21				
-22	-14	-16	-20	-372	-68	-98	-93	-94	-76	-79	-1,323	-309	-339	-303	-328	-378	-380	22				
-987	-875	-1,526	-2,531	-15,932	-3,781	-4,157	-4,045	-4,028	-3,909	-4,367	-2,761	-741	-639	-664	-790	-795	-706	23				
-121	-125	-189	-210	-2,910	-676	-746	-713	-713	-805	-824	-211	-213	-219	-200	-227	-230	-230	24				
-724	-727	-822	-817	-2,356	-599	-590	-615	-605	-620	-656	-4,229	-1,046	-1,067	-1,116	-1,065	-1,193	-1,405	25				
-112	-114	-114	-119	-245	-63	-66	-66	-67	-64	-68	-2,315	-618	-543	-656	-627	-687	-696	26				
-1,443	-1,055	-1,447	-1,619	-10,070	-2,801	-2,559	-2,573	-2,781	-2,899	-2,942	-3,619	-828	-865	-961	-1,008	-1,039	-1,109	27				
-47	-46	-54	-56	-494	-120	-138	-126	-120	-132	-132	-126	-29	-37	-34	-35	-33	-33	28				
-1,774	-2,103	-2,662	-2,548	-55,841	-14,127	-14,555	-13,321	-12,465	-13,442	-14,243	-34,733	-8,411	-8,948	-9,496	-7,820	-9,033	-9,357	29				
-1,693	-2,024	-2,586	-2,474	-49,942	-12,717	-12,948	-11,733	-11,087	-11,960	-12,555	-34,661	-8,396	-8,935	-9,474	-7,797	-9,017	-9,343	30				
-344	-641	-1,239	-984	-1,494	-359	-435	-88	-282	-492	-484	-5,187	-1,511	-1,684	-1,654	-65	-1,768	-1,806	31				
-1,161	-1,176	-1,099	-1,168	-37,044	-9,423	-9,553	-8,982	-8,503	-9,941	-9,297	-9,516	-1,912	-2,347	-2,909	-2,859	-2,118	-2,187	32				
-188	-207	-248	-322	-11,404	-2,935	-2,960	-2,663	-2,302	-2,527	-2,774	-19,958	-4,973	-4,904	-4,911	-5,003	-5,131	-5,550	33				
-81	-79	-76	-74	-5,899	-1,410	-1,607	-1,588	-1,378	-1,482	-1,688	-72	-15	-13	-22	-23	-16	-14	34				
-140	-174	-145	-175	-12,492	-2,925	-3,218	-3,367	-3,379	-3,445	-3,615	-196	-25	-59	-32	-101	-63	-71	35				
-118	-120	-121	-126	-1,302	-235	-284	-271	-380	-421	-493	-100	-25	-25	-25	-25	-25	-23	36				
-22	-54	-24	-49	-10,503	-2,540	-2,759	-2,692	-2,845	-2,868	-2,964	-96	-34	-7	-75	-28	-28	-48	37				
11	28	36	31	246	58	66	72	62	59	54	24	6	6	6	6	6	6	39				
-9,242	2,889	4,023	-706	-55,591	-43,023	-11,743	21,426	11,682	-16,356	-38,596	27,864	16,248	-5,540	6,152	-994	7,605	-15,174	40				
											1,218	-838	-86	2,168	-2,000	-412	-30	41				
																		42				
																		43				
											1,218	-838	-86	2,168	-2,000	-412	-30	44				
																		45				
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Table 10.—U.S. International

[Millions]

Line	(Credits +; debits -) ¹	Australia						
		1998	1998			1999		
			II	III	IV	I	II ^r	III ^r
Current account								
1	Exports of goods and services and income receipts	21,511	5,448	5,350	5,213	4,834	5,458	5,593
2	Exports of goods and services	16,688	4,087	4,174	4,173	3,734	4,102	4,337
3	Goods, balance of payments basis ²	11,775	2,838	2,918	2,902	2,543	2,758	2,938
4	Services ³	4,913	1,249	1,256	1,271	1,191	1,344	1,399
5	Transfers under U.S. military agency sales contracts ⁴	168	36	43	44	51	95	99
6	Travel	1,562	413	404	408	342	416	425
7	Passenger fares	548	151	153	123	123	154	163
8	Other transportation	320	76	83	86	81	86	91
9	Royalties and license fees ⁵	749	186	190	205	187	187	199
10	Other private services ⁶	1,560	386	382	402	406	405	421
11	U.S. Government miscellaneous services	6	1	1	3	1	1	1
12	Income receipts	4,823	1,361	1,176	1,040	1,100	1,356	1,256
13	Income receipts on U.S.-owned assets abroad	4,815	1,359	1,174	1,038	1,098	1,354	1,254
14	Direct investment receipts	1,897	609	467	353	365	585	520
15	Other private receipts	2,918	750	707	685	733	769	734
16	U.S. Government receipts							
17	Compensation of employees	8	2	2	2	2	2	2
18	Imports of goods and services and income payments	-10,121	-2,529	-2,561	-2,563	-2,259	-2,475	-2,786
19	Imports of goods and services	-8,439	-2,139	-2,151	-2,154	-1,888	-2,176	-2,383
20	Goods, balance of payments basis ²	-5,372	-1,435	-1,315	-1,360	-1,093	-1,372	-1,447
21	Services ³	-3,067	-704	-836	-794	-795	-804	-936
22	Direct defense expenditures	-41	-10	-7	-9	-18	-8	-10
23	Travel	-1,231	-289	-386	-283	-301	-310	-427
24	Passenger fares	-599	-131	-143	-175	-166	-141	-154
25	Other transportation	-214	-40	-53	-55	-46	-47	-62
26	Royalties and license fees ⁵	-38	-8	-6	-8	-7	-10	-10
27	Other private services ⁶	-895	-216	-224	-253	-249	-277	-268
28	U.S. Government miscellaneous services	-49	-10	-17	-11	-8	-11	-15
29	Income payments	-1,682	-390	-410	-409	-371	-299	-403
30	Income payments on foreign-owned assets in the United States	-1,674	-388	-408	-407	-369	-297	-401
31	Direct investment payments	-673	-149	-187	-132	-153	-44	-112
32	Other private payments	-643	-163	-160	-149	-145	-172	-206
33	U.S. Government payments	-358	-76	-61	-126	-71	-81	-83
34	Compensation of employees	-8	-2	-2	-2	-2	-2	-2
35	Unilateral current transfers, net	-137	-31	-38	-29	-39	-36	-39
36	U.S. Government grants ⁴							
37	U.S. Government pensions and other transfers	-38	-10	-9	-10	-10	-10	-9
38	Private remittances and other transfers ⁶	-99	-21	-29	-19	-29	-26	-30
Capital and financial account								
Capital account								
39	Capital account transactions, net	4	1	1	1	2	2	2
Financial account								
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-7,666	-6,611	-1,839	1,095	-2,357	-4,709	5,526
41	U.S. official reserve assets, net							
42	Gold ⁷							
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	-2	-1			6	-6	-2
47	U.S. credits and other long-term assets							
48	Repayments on U.S. credits and other long-term assets ⁸							
49	U.S. foreign currency holdings and U.S. short-term assets, net	-2	-1			6	-6	-2
50	U.S. private assets, net	-7,664	-6,610	-1,839	1,095	-2,363	-4,703	5,528
51	Direct investment	-3,659	-3,855	-601	1,370	-3,389	-265	-331
52	Foreign securities	-1,337	-1,346	-401	427	-82	-974	-114
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-981	129	-513	-725	430	-43	
54	U.S. claims reported by U.S. banks, not included elsewhere	-1,687	-1,538	-324	23	678	-3,421	5,973
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	1,258	3,106	-3,406	2,032	691	3,893	1,000
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 ⁹	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(18)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	5	4	-2	15	8	-35	-44
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(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	2,035	671	-472	328	167	425	217
65	U.S. Treasury securities	(18)	(18)	(18)	(18)	(18)	(18)	(18)
66	U.S. securities other than U.S. Treasury securities	836	-325	6	981	42	157	1,155
67	U.S. currency							
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	1,497	1,623	97	-64	-175	1,879	
69	U.S. liabilities reported by U.S. banks, not included elsewhere	18 -3,117	18 1,133	18 -3,035	18 772	18 649	18 1,467	18 -328
70	Statistical discrepancy (sum of above items with sign reversed)	-4,849	616	2,493	-5,748	-872	-2,133	-9,296
Memoranda:								
71	Balance on goods (lines 3 and 20)	6,403	1,403	1,803	1,542	1,450	1,386	1,491
72	Balance on services (lines 4 and 21)	1,846	545	420	477	396	540	463
73	Balance on goods and services (lines 2 and 19)	8,249	1,948	2,023	2,019	1,846	1,926	1,954
74	Balance on income (lines 12 and 29)	3,141	971	766	631	729	1,057	853
75	Unilateral current transfers, net (line 35)	-137	-31	-38	-29	-39	-36	-39
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	11,253	2,888	2,751	2,621	2,536	2,947	2,768

See footnotes on page 111.

Transactions, by Area—Continued
of dollars]

1998	Other countries in Asia and Africa						International organizations and unallocated ¹⁶									Line
	1998	1998	1998	1999	1999	1999	1998	1998	1998	1998	1999	1999	1999	1999	1999	
	II	III	IV	I	II ^r	III ^r		II	III	IV	I	II ^r	III ^r			
214,716	52,554	51,380	56,876	51,342	53,930	58,028	29,639	7,271	7,389	7,782	7,440	7,416	7,369	1		
192,083	46,474	45,818	51,643	45,919	47,922	51,148	4,641	1,123	1,135	1,216	1,118	1,147	1,187	2		
136,995	32,882	31,278	38,575	31,674	33,973	35,746								3		
55,088	13,592	14,540	13,068	14,245	13,949	15,402	4,641	1,123	1,135	1,216	1,118	1,147	1,187	4		
10,501	2,905	2,439	2,327	2,372	2,556	2,495								5		
10,484	2,797	3,366	2,307	2,042	2,816	3,544								6		
1,839	481	593	378	392	493	629								7		
8,028	1,957	1,985	2,143	2,160	2,286	2,294	558	141	141	136	115	147	165	8		
4,472	1,070	1,135	1,205	1,165	1,174	1,181	1,980	470	478	565	493	491	499	9		
19,413	4,311	4,934	4,829	6,034	4,542	5,177	2,103	512	516	515	510	509	523	10		
351	71	88	79	80	82	82								11		
22,633	6,080	5,562	5,233	5,423	6,008	6,880	24,998	6,148	6,254	6,566	6,322	6,269	6,182	12		
22,569	6,064	5,546	5,217	5,406	5,991	6,862	23,595	5,798	5,903	6,213	5,970	5,916	5,828	13		
11,021	3,008	2,643	2,510	2,792	3,367	3,962	13,427	3,192	3,357	3,686	3,358	3,182	3,092	14		
10,440	2,822	2,578	2,435	2,325	2,414	2,599	9,353	2,411	2,335	2,300	2,396	2,343	2,545	15		
1,108	234	325	272	289	210	301	815	195	211	227	216	191	191	16		
64	16	16	16	17	17	18	1,403	350	351	353	352	353	354	17		
-326,895	-79,667	-87,791	-83,204	-79,349	-87,337	-99,867	-11,401	-2,699	-2,687	-3,147	-2,781	-2,870	-2,995	18		
-298,020	-72,331	-80,534	-75,971	-71,961	-79,916	-92,113	-2,702	-639	-595	-555	-564	-564	-623	19		
-263,505	-63,755	-71,565	-67,173	-62,733	-70,333	-82,051								20		
-34,515	-8,576	-8,969	-8,798	-9,228	-9,583	-10,062	-2,702	-639	-595	-555	-564	-564	-623	21		
-4,090	-1,035	-1,036	-1,118	-1,064	-998	-1,001								22		
-10,349	-2,678	-2,732	-2,805	-2,873	-3,019	-3,174								23		
-4,501	-1,068	-1,180	-1,170	-1,223	-1,146	-1,246								24		
-7,997	-1,920	-2,109	-2,159	-2,230	-2,525	-2,766	-1,384	-377	-337	-324	-285	-298	-350	25		
-284	-71	-67	-75	-74	-73	-75	-986	-186	-169	-180	-185	-180	-173	26		
-6,502	-1,630	-1,655	-1,679	-1,642	-1,778	-1,752	-330	-95	-88	-61	-93	-86	-100	27		
-792	-174	-210	-205	-190	-190	-203	-2	-1	-1	-1	-1	-1	-1	28		
-28,875	-7,336	-7,257	-7,233	-7,388	-7,421	-7,754	-8,699	-2,060	-2,092	-2,592	-2,217	-2,306	-2,372	29		
-28,419	-7,242	-7,175	-7,089	-7,243	-7,320	-7,668	-8,699	-2,060	-2,092	-2,592	-2,217	-2,306	-2,372	30		
-17	-88	-85	-80	-159	-3	-169	-5,426	-1,212	-1,253	-1,803	-1,365	-1,445	-1,405	31		
-10,277	-2,591	-2,399	-2,381	-2,438	-2,580	-2,728	-3,253	-835	-836	-788	-848	-855	-958	32		
-18,125	-4,563	-4,479	-4,750	-4,703	-4,879	-4,919	-20	-13	-3	-1	-4	-6	-9	33		
-456	-94	-82	-144	-145	-101	-86								34		
-16,744	-2,884	-3,707	-6,829	-3,414	-3,569	-3,728	-10,211	-2,538	-2,324	-2,770	-2,427	-2,691	-2,533	35		
-8,427	-1,008	-1,526	-4,539	-967	-1,423	-1,273	-940	-258	-198	-223	-257	-374	-186	36		
-464	-120	-98	-124	-119	-121	-121	-1,146	-137	-82	-686	-124	-84	-210	37		
-7,853	-1,756	-2,083	-1,966	-2,328	-2,025	-2,334	-8,125	-2,143	-2,044	-1,861	-2,046	-2,233	-2,137	38		
111	33	17	33	25	32	29								39		
-825	-2,114	1,532	-4,620	-2,448	-2,172	-2,621	-20,057	-4,177	-7,221	-4,936	-3,935	-1,544	-7,376	40		
							-5,267	-959	-1,890	-2,151	566	1,223	2,083	41		
							-149	72	188	-227	563	-190	-185	42		
							-5,118	-1,031	-2,078	-1,924	3	1,413	2,268	43		
														44		
														45		
-136	-351	162	123	11	-218	-520	-1,161	-317	-291	-267	-267	-289	-248	46		
-1,454	-632	-206	-222	-209	-303	-778	-1,161	-317	-291	-267	-267	-289	-248	47		
1,270	251	365	288	326	213	355								48		
48	30	3	57	-106	-128	-97								49		
-689	-1,763	1,370	-4,743	-2,459	-1,954	-2,101	-13,629	-2,901	-5,040	-2,518	-4,234	-2,478	-9,211	50		
-10,742	-1,529	-2,784	-4,241	-6,725	-3,808	-3,018	-11,788	-2,994	-2,741	-3,486	-3,193	-3,008	-2,924	51		
-6,959	-6,691	3,804	862	-1,217	1,118	3,094	-597	154	76	-694	49	-111	460	52		
1,677	2,261	-386	492	-92	-1,034		3	-15	-45	45	22	-7	198	53		
14,335	4,196	736	-1,856	5,575	1,770	-2,177	-1,267	-46	-2,330	1,617	-1,083	619	431	54		
19,075	-3,185	-16,054	17,089	13,028	3,249	5,839	21,860	410	8,033	5,537	5,753	6,259	17,596	55		
(18)	(18)	(18)	(18)	(18)	(18)	(18)	2			2				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)	2			2				60		
(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	61		
(18)	(18)	(18)	(18)	(18)	(18)	(18)								62		
32	-182	-15	535	-48	-400	514	21,858	410	8,033	5,535	5,753	6,259	17,596	63		
-1,493	659	-7,245	1,956	3,119	3,532	2,413	4,415	1,085	1,123	1,161	1,197	1,232	1,267	64		
							(18)	(18)	(18)	(18)	(18)	(18)	(18)	65		
							51	255	-155	-25	-148	-130	493	66		
							16,622	2,349	7,277	6,250	2,440	3,057	4,697	67		
							216	73	49	37	18	37	9,136	68		
							18,554	-3,352	18,261	18,888	18,248	18,2063	18,2003	69		
110,562	35,263	54,623	20,455	20,816	35,867	42,320	-9,830	1,733	-3,190	-2,466	-4,050	-6,570	-12,061	70		
-128,510	-30,873	-40,287	-28,598	-31,059	-36,360	-46,305								71		
20,573	5,016	5,571	4,270	5,017	4,366	5,340	1,939	484	540	661	554	583	564	72		
-105,937	-25,857	-34,716	-24,328	-26,042	-31,994	-40,965	1,939	484	540	661	554	583	564	73		
-6,242	-1,256	-1,695	-2,000	-1,965	-1,413	-874	16,299	4,088	4,162	3,974	4,105	3,963	3,810	74		
-16,744	-2,884	-3,707	-6,829	-3,414	-3,569	-3,728	-10,211	-2,538	-2,324	-2,770	-2,427	-2,691	-2,533	75		
-128,923	-29,997	-40,118	-32,957	-31,421	-36,976	-45,567	8,027	2,034	2,378	1,865	2,232	1,855	1,841	76		

BEA CURRENT AND HISTORICAL DATA

National, International, and Regional Estimates

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

BEA makes its economic information available on three World Wide Web sites. The BEA Web site <www.bea.doc.gov> contains data, articles, and news releases from BEA's national, international, and regional programs. The Federal Statistical Briefing Room (FSBR) on the White House Web site <www.whitehouse.gov/fsbr> provides summary statistics for GDP and a handful of other NIPA aggregates. The Commerce Department's STAT-USA Web site <www.stat-usa.gov> provides detailed databases and news releases from BEA and from other Federal Government agencies by subscription; for information, go to the Web site or call 202-482-1986.

The tables listed below present annual, quarterly, and monthly estimates, indicated as follows: [A] Annual estimates only; [Q] quarterly estimates only; [QA] quarterly and annual estimates; [MA] monthly and annual estimates.

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National Data

A. Selected NIPA Tables

The tables in this section include the most recent estimates of gross domestic product and its components; these estimates were released on December 22, 1999 and include the "final" estimates for the third quarter of 1999.

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 (GDP) is available within minutes of the time of release, and the "Selected NIPA Tables" are available later that day, on STAT-USA's Web site <www.stat-usa.gov>; for information, call STAT-USA on 202-482-1986. The GDP news release is also available within minutes of the time of release, and the "Selected NIPA Tables" a day or two later, on BEA's Web site <www.bea.doc.gov>.

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

S. Summary Tables

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

[Percent]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	4.5	4.3	2.1	3.8	5.9	3.7	1.9	5.7
Personal consumption expenditures	3.7	4.9	6.1	3.9	4.6	6.5	5.1	4.9
Durable goods	6.6	11.3	11.2	4.1	20.4	12.4	9.1	7.7
Nondurable goods	2.9	4.0	6.7	2.4	5.0	8.9	3.3	3.6
Services	3.6	4.0	4.8	4.7	1.5	4.2	5.2	5.0
Gross private domestic investment	11.5	11.7	-4.7	10.4	11.5	3.6	-2.1	13.6
Fixed investment	8.5	11.8	12.5	2.0	13.8	9.1	6.6	6.8
Nonresidential	10.7	12.7	12.1	0	15.3	7.8	7.0	10.9
Structures	8.5	4.1	7.1	-6.6	5.8	-5.8	-6.3	-3.8
Equipment and software	11.5	15.8	13.8	2.4	18.6	12.5	11.2	15.7
Residential	2.3	9.2	13.6	8.0	9.8	12.9	5.5	-3.8
Change in private inventories								
Net exports of goods and services	12.7	2.2	-4.0	-1.7	16.1	-5.5	4.0	11.5
Exports	14.5	2.1	-8.8	1.6	19.4	-9.3	4.3	16.9
Goods	8.5	2.5	8.8	-8.8	8.6	4.1	3.2	0
Services	13.7	11.6	13.0	5.2	10.8	12.5	14.4	14.9
Imports	14.2	11.7	13.6	4.9	12.8	12.6	15.5	17.3
Goods	11.2	10.8	9.7	6.4	1.6	11.9	8.9	3.6
Services								
Government consumption expenditures and gross investment	2.3	1.7	6.0	1.3	2.9	5.1	1.3	4.5
Federal	-1	-9	11.9	-2.3	3.9	-5	2.1	4.1
National defense	-2.5	-1.9	11.1	7.0	-2.9	-4.0	-2.6	11.2
Nondefense	4.6	1.0	13.2	-17.4	17.8	6.1	10.9	-7.1
State and local	3.8	3.2	3.0	3.3	2.3	8.2	.9	4.8
Addenda:								
Final sales of domestic product	4.0	4.3	5.1	2.4	6.2	4.6	3.4	4.5
Gross domestic purchases	4.7	5.4	4.1	4.6	5.5	5.8	3.2	6.3
Final sales to domestic purchasers	4.2	5.4	7.1	3.2	5.8	6.7	4.7	5.2
Gross national product	4.3	4.1	2.0	2.6	6.3	3.8	1.9	5.6
Disposable personal income	3.6	4.1	3.8	4.5	4.8	4.1	3.2	2.9

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

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

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Percent change at annual rate:								
Gross domestic product	4.5	4.3	2.1	3.8	5.9	3.7	1.9	5.7
Percentage points at annual rates:								
Personal consumption expenditures	2.51	3.24	3.96	2.64	3.13	4.27	3.36	3.33
Durable goods .....	.51	.86	.84	.33	1.51	.96	.71	.62
Nondurable goods .....	.59	.79	1.28	.49	.98	1.68	.64	.73
Services	1.41	1.59	1.85	1.83	.64	1.63	2.01	1.97
Gross private domestic investment	1.82	1.93	-.85	1.74	1.94	.67	-.36	2.25
Fixed investment	1.31	1.86	1.95	.34	2.20	1.48	1.10	1.16
Nonresidential	1.22	1.49	1.42	.01	1.79	.94	.86	1.33
Structures .....	.25	.13	.22	-.21	.18	-.18	-.16	-.11
Equipment and software .....	.97	1.37	1.21	.22	1.61	1.12	1.02	1.44
Residential .....	.09	.37	.53	.33	.41	.53	.24	-.17
Change in private inventories .....	.50	.07	-2.80	1.40	-.26	-.80	-1.46	1.09
Net exports of goods and services	-.25	-1.18	-2.01	-.82	.33	-2.13	-1.35	-.72
Exports	1.40	.25	-.45	-.18	1.65	-.61	.42	1.19
Goods	1.12	.17	-.73	.12	1.38	-.74	.32	1.19
Services .....	.28	.08	.28	-.30	.27	.13	.10	0
Imports	-1.65	-1.43	-1.56	-.65	-1.32	-1.52	-1.77	-1.91
Goods	-1.43	-1.21	-1.36	-.51	-1.29	-1.28	-1.59	-1.83
Services	-.22	-.22	-.20	-.13	-.03	-.24	-.19	-.08
Government consumption expenditures and gross investment .....	.42	.31	1.03	.23	.51	.87	.23	.81
Federal	-.01	-.06	.69	-.14	.24	-.03	.13	.26
National defense	-.11	-.08	.42	.27	-.12	-.16	-.10	.42
Nondefense .....	.10	.02	.27	-.42	.36	.13	.23	-.16
State and local .....	.43	.37	.33	.37	.28	.90	.10	.55

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	8,300.8	8,759.9	8,683.7	8,797.9	8,947.6	9,072.7	9,146.2	9,297.8
Personal consumption expenditures	5,524.4	5,848.6	5,816.2	5,889.6	5,973.7	6,090.8	6,200.8	6,303.7
Durable goods	642.9	698.2	693.9	696.9	722.8	739.0	751.6	761.8
Nondurable goods	1,641.7	1,708.9	1,701.2	1,716.6	1,742.9	1,787.8	1,824.8	1,853.9
Services	3,239.8	3,441.5	3,421.1	3,476.1	3,508.0	3,564.0	3,624.3	3,688.0
Gross private domestic investment	1,383.7	1,531.2	1,495.0	1,535.3	1,580.3	1,594.3	1,585.4	1,635.0
Fixed investment	1,315.4	1,460.0	1,454.2	1,461.7	1,508.9	1,543.3	1,567.8	1,594.2
Nonresidential	986.1	1,091.3	1,090.8	1,087.2	1,121.4	1,139.9	1,155.4	1,181.6
Structures	254.1	272.8	274.0	271.7	278.0	274.7	272.5	272.1
Equipment and software	732.1	818.5	816.8	815.4	843.4	865.2	882.9	909.5
Residential	329.2	368.7	363.4	374.5	387.5	403.4	412.4	412.7
Change in private inventories	68.3	71.2	40.8	73.7	71.4	51.0	17.6	40.8
Net exports of goods and services	-88.3	-149.6	-153.9	-165.7	-161.2	-201.6	-245.8	-278.2
Exports	968.0	966.3	960.1	949.1	981.8	966.9	978.2	1,008.5
Goods	689.0	681.3	671.8	667.2	693.3	674.3	680.5	708.8
Services	279.0	285.1	288.2	281.9	288.6	292.6	297.7	299.7
Imports	1,056.3	1,115.9	1,114.0	1,114.8	1,143.1	1,168.5	1,224.0	1,286.6
Goods	885.1	930.4	928.9	927.2	952.6	974.3	1,022.3	1,079.3
Services	171.2	185.5	185.1	187.7	190.4	194.2	201.7	207.4
Government consumption expenditures and gross investment	1,481.0	1,529.7	1,526.5	1,538.7	1,554.8	1,589.1	1,605.9	1,637.2
Federal	537.8	538.7	542.2	539.7	546.7	557.4	561.6	569.8
National defense	352.5	348.6	347.9	354.7	352.9	355.8	354.3	365.4
Nondefense	185.3	190.1	194.3	185.0	193.8	201.6	207.3	204.4
State and local	943.2	991.0	984.2	999.0	1,008.1	1,031.8	1,044.3	1,067.4

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	8,165.1	8,516.3	8,457.2	8,536.0	8,659.2	8,737.9	8,778.6	8,900.6
Personal consumption expenditures	5,433.7	5,698.6	5,675.6	5,730.7	5,795.8	5,888.4	5,961.8	6,033.3
Durable goods	657.4	731.5	723.9	731.2	766.0	788.8	806.1	821.2
Nondurable goods	1,619.9	1,685.3	1,681.9	1,692.0	1,712.6	1,749.5	1,763.7	1,779.3
Services	3,156.7	3,284.5	3,272.2	3,309.6	3,322.0	3,356.5	3,399.2	3,440.6
Gross private domestic investment	1,385.8	1,547.4	1,513.1	1,551.1	1,593.9	1,608.2	1,599.8	1,651.6
Fixed investment	1,316.0	1,471.8	1,466.7	1,474.0	1,522.5	1,555.9	1,581.0	1,607.3
Nonresidential	995.7	1,122.5	1,120.2	1,120.3	1,160.8	1,182.7	1,202.9	1,234.3
Structures	244.0	254.1	256.4	252.1	255.7	251.9	248.5	246.1
Equipment and software	751.9	870.6	865.5	870.6	908.5	935.7	960.9	996.6
Residential	320.6	350.2	347.4	354.2	362.6	373.7	378.8	375.1
Change in private inventories	69.1	74.3	43.1	76.1	70.7	50.1	14.0	38.0
Net exports of goods and services	-109.8	-215.1	-218.4	-237.9	-232.3	-284.5	-319.0	-338.2
Exports	985.4	1,007.1	997.2	993.0	1,030.8	1,016.4	1,026.4	1,054.8
Goods	708.1	722.8	709.3	712.0	744.2	726.4	734.1	763.3
Services	277.5	284.4	287.7	281.1	287.0	289.9	292.2	292.2
Imports	1,095.2	1,222.2	1,215.6	1,231.0	1,263.1	1,300.9	1,345.4	1,393.0
Goods	923.2	1,031.6	1,025.5	1,037.9	1,069.7	1,102.0	1,142.5	1,188.9
Services	172.1	190.7	190.1	193.1	193.8	199.4	203.7	205.5
Government consumption expenditures and gross investment	1,455.1	1,480.3	1,480.7	1,485.3	1,495.9	1,514.6	1,519.5	1,536.5
Federal	530.9	526.1	530.1	527.0	532.0	531.4	534.2	539.7
National defense	348.3	341.7	341.6	347.5	344.9	341.4	339.2	348.3
Nondefense	182.7	184.4	188.4	179.6	187.1	189.9	194.9	191.3
State and local	924.1	953.9	950.5	958.1	963.6	982.9	985.1	996.6
Residual	.1	.9	4.9	2.9	-2.2	2.6	8.1	6.4

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.

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	8,300.8	8,759.9	8,683.7	8,797.9	8,947.6	9,072.7	9,146.2	9,297.8
Final sales of domestic product	8,232.4	8,688.7	8,642.9	8,724.2	8,876.2	9,021.6	9,128.6	9,257.0
Change in private inventories	68.3	71.2	40.8	73.7	71.4	51.0	17.6	40.8
Goods	3,142.4	3,310.3	3,258.9	3,305.6	3,389.8	3,416.6	3,424.2	3,494.0
Final sales	3,074.1	3,239.1	3,218.1	3,231.9	3,318.4	3,365.6	3,406.6	3,453.2
Change in private inventories	68.3	71.2	40.8	73.7	71.4	51.0	17.6	40.8
Durable goods	1,460.3	1,567.8	1,539.3	1,559.7	1,610.0	1,608.3	1,607.9	1,654.0
Final sales	1,424.8	1,528.9	1,518.2	1,519.9	1,571.4	1,584.3	1,601.7	1,631.1
Change in private inventories	35.6	38.9	21.1	39.8	38.6	24.1	6.3	23.0
Nondurable goods	1,682.1	1,742.5	1,719.6	1,745.9	1,779.8	1,808.3	1,816.3	1,840.0
Final sales	1,649.3	1,710.2	1,699.9	1,712.1	1,747.0	1,781.3	1,804.9	1,822.2
Change in private inventories	32.8	32.2	19.7	33.9	32.8	27.0	11.4	17.8
Services	4,434.7	4,664.5	4,646.1	4,700.4	4,747.9	4,820.7	4,885.5	4,963.7
Structures	723.7	785.1	778.8	791.9	809.9	835.3	836.5	840.1
Addenda:								
Motor vehicle output	293.5	313.3	296.9	306.1	345.3	325.0	330.9	355.0
Gross domestic product less motor vehicle output	8,007.3	8,446.7	8,386.8	8,491.7	8,602.2	8,747.6	8,815.3	8,942.8

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

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

[Billions of dollars]

Gross domestic product	8,300.8	8,759.9	8,683.7	8,797.9	8,947.6	9,072.7	9,146.2	9,297.8
Less: Exports of goods and services	968.0	966.3	960.1	949.1	981.8	966.9	978.2	1,008.5
Plus: Imports of goods and services	1,056.3	1,115.9	1,114.0	1,114.8	1,143.1	1,168.5	1,224.0	1,286.6
Equals: Gross domestic purchases	8,389.1	8,909.5	8,837.7	8,963.6	9,108.8	9,274.2	9,392.0	9,575.9
Less: Change in private inventories	68.3	71.2	40.8	73.7	71.4	51.0	17.6	40.8
Equals: Final sales to domestic purchasers	8,320.7	8,838.3	8,796.9	8,889.9	9,037.4	9,223.2	9,374.4	9,535.1

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

Table 1.7.—Gross Domestic Product by Sector

[Billions of dollars]

Gross domestic product	8,300.8	8,759.9	8,683.7	8,797.9	8,947.6	9,072.7	9,146.2	9,297.8
Business¹	6,996.8	7,402.0	7,333.6	7,432.1	7,568.0	7,669.1	7,729.4	7,862.6
Nonfarm ²	6,908.8	7,321.9	7,258.8	7,351.6	7,475.5	7,580.5	7,645.3	7,784.0
Nonfarm less housing	6,240.1	6,621.4	6,564.8	6,645.4	6,757.5	6,850.3	6,906.2	7,034.3
Housing	668.6	700.4	694.0	706.2	718.0	730.2	739.1	749.7
Farm	88.0	80.2	74.8	80.6	92.5	88.6	84.1	78.6
Households and institutions	366.2	385.6	383.2	388.4	393.4	399.7	404.9	411.0
Private households	12.1	14.0	13.6	14.3	15.2	15.6	15.8	16.0
Nonprofit institutions	354.1	371.6	369.6	374.1	378.2	384.1	389.0	395.0
General government³	937.8	972.3	966.9	977.4	986.2	1,003.9	1,012.0	1,024.2
Federal	293.7	296.9	295.7	297.5	298.8	307.8	307.2	308.3
State and local	644.0	675.4	671.2	679.9	687.3	696.1	704.7	715.9

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 1.4.—Real Gross Domestic Product by Major Type of Product

[Billions of chained (1996) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	8,165.1	8,516.3	8,457.2	8,536.0	8,659.2	8,737.9	8,778.6	8,900.6
Final sales of domestic product	8,095.7	8,441.3	8,410.4	8,459.6	8,588.3	8,685.2	8,757.9	8,855.8
Change in private inventories	69.1	74.3	43.1	76.1	70.7	50.1	14.0	38.0
Residual	.3	.7	3.7	.3	.2	2.6	6.7	6.8
Goods	3,141.3	3,330.5	3,277.8	3,323.9	3,417.4	3,442.1	3,446.1	3,525.3
Final sales	3,071.6	3,255.1	3,231.5	3,246.9	3,346.2	3,390.0	3,427.5	3,481.3
Change in private inventories	69.1	74.3	43.1	76.1	70.7	50.1	14.0	38.0
Durable goods	1,481.0	1,625.0	1,589.3	1,619.1	1,686.7	1,693.5	1,699.5	1,758.1
Final sales	1,445.0	1,585.1	1,568.0	1,578.1	1,646.9	1,668.7	1,693.5	1,734.2
Change in private inventories	35.8	39.7	21.3	40.7	39.6	25.1	6.5	23.8
Nondurable goods	1,660.8	1,708.1	1,690.5	1,707.1	1,734.6	1,752.0	1,750.4	1,772.9
Final sales	1,627.1	1,672.6	1,665.7	1,671.2	1,703.1	1,725.2	1,738.5	1,752.9
Change in private inventories	33.3	34.6	21.8	35.3	31.0	25.0	7.5	14.2
Services	4,324.2	4,449.4	4,442.9	4,471.4	4,494.6	4,529.5	4,571.0	4,620.4
Structures	700.2	738.9	737.5	742.5	751.7	729.2	764.7	760.9
Residual	-.5	-4.0	0	-3.2	-7.7	-5.8	-3.1	-5.8
Addenda:								
Motor vehicle output	293.7	315.7	301.1	305.7	348.6	329.0	335.7	355.8
Gross domestic product less motor vehicle output	7,871.4	8,200.9	8,156.0	8,230.2	8,311.9	8,409.3	8,443.6	8,546.2

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

Percent changes from preceding period for gross domestic product and for final sales of domestic product are shown in table 8.1. Chain-type quantity indexes for the series in this table are shown in table 7.17.

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

[Billions of chained (1996) dollars]

Gross domestic product	8,165.1	8,516.3	8,457.2	8,536.0	8,659.2	8,737.9	8,778.6	8,900.6
Less: Exports of goods and services	985.4	1,007.1	997.2	993.0	1,030.8	1,016.4	1,026.4	1,054.8
Plus: Imports of goods and services	1,095.2	1,222.2	1,215.6	1,231.0	1,263.1	1,300.9	1,345.4	1,393.0
Equals: Gross domestic purchases	8,273.9	8,723.2	8,667.2	8,764.2	8,881.5	9,007.4	9,078.2	9,216.9
Less: Change in private inventories	69.1	74.3	43.1	76.1	70.7	50.1	14.0	38.0
Equals: Final sales to domestic purchasers	8,204.5	8,648.1	8,620.5	8,687.6	8,810.6	8,954.8	9,057.8	9,172.2

NOTE.—Chained (1996) dollar series are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive. Percent changes from preceding period for selected series in this table are shown in table 8.1.

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

Table 1.8.—Real Gross Domestic Product by Sector

[Billions of chained (1996) dollars]

Gross domestic product	8,165.1	8,516.3	8,457.2	8,536.0	8,659.2	8,737.9	8,778.6	8,900.6
Business¹	6,888.8	7,223.2	7,166.2	7,241.0	7,359.5	7,432.8	7,469.1	7,584.1
Nonfarm ²	6,786.3	7,121.8	7,066.4	7,139.7	7,257.1	7,331.3	7,366.3	7,485.2
Nonfarm less housing	6,135.6	6,462.2	6,408.1	6,477.6	6,592.7	6,659.3	6,690.1	6,802.2
Housing	650.8	660.2	658.7	662.6	665.4	672.9	677.2	684.2
Farm	103.1	100.5	98.7	100.4	101.3	100.2	101.6	95.8
Households and institutions	360.5	369.0	368.2	369.6	371.3	373.2	374.8	377.2
Private households	11.8	13.3	12.9	13.5	14.2	14.6	14.6	14.7
Nonprofit institutions	348.7	355.7	355.3	356.1	357.0	358.6	360.2	362.5
General government³	915.9	924.8	923.4	926.1	929.6	933.3	936.2	941.3
Federal	287.8	285.8	285.6	286.1	286.1	285.5	284.5	284.5
State and local	628.2	638.9	637.7	639.9	643.4	647.7	651.5	656.7
Residual	-.9	-.3	.2	-.2	-.9	-.9	-1.1	0

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	8,300.8	8,759.9	8,683.7	8,797.9	8,947.6	9,072.7	9,146.2	9,297.8
Plus: Income receipts from the rest of the world	282.6	285.3	292.9	276.4	280.8	283.8	296.1	307.7
Less: Income payments to the rest of the world	278.4	295.2	292.9	302.0	297.9	298.2	310.4	323.2
Equals: Gross national product	8,305.0	8,750.0	8,683.7	8,772.2	8,930.5	9,058.2	9,131.9	9,282.3
Less: Consumption of fixed capital	1,009.7	1,066.9	1,056.5	1,075.2	1,094.0	1,108.8	1,126.3	1,160.9
Private	829.2	880.8	871.7	888.3	904.8	916.7	931.8	963.7
Capital consumption allowances	844.0	906.2	897.1	914.2	932.2	947.1	964.7	989.9
Less: Capital consumption adjustment	14.8	25.4	25.4	25.9	27.4	30.3	32.9	26.2
Government	180.5	186.2	184.8	186.9	189.1	192.0	194.5	197.2
General government	154.2	158.6	157.5	159.2	160.9	163.4	165.5	167.7
Government enterprises	26.3	27.6	27.4	27.7	28.2	28.6	29.0	29.5
Equals: Net national product	7,295.3	7,683.1	7,627.1	7,697.1	7,836.5	7,949.5	8,005.6	8,121.4
Less: Indirect business tax and nontax liability	645.8	677.0	670.1	676.6	697.8	696.6	706.7	718.3
Business transfer payments	36.9	38.1	38.0	38.2	38.6	38.8	39.3	39.5
Statistical discrepancy	-3.2	-47.6	-41.5	-87.9	-62.4	-99.4	-135.5	-141.2
Plus: Subsidies less current surplus of government enterprises	19.0	20.8	17.1	16.9	31.4	21.0	27.9	17.3
Equals: National income	6,634.9	7,036.4	6,977.6	7,087.1	7,193.8	7,334.5	7,423.1	7,522.1
Less: Corporate profits with inventory valuation and capital consumption adjustments	837.9	846.1	847.9	843.8	834.3	882.0	875.5	879.2
Net interest	412.5	435.7	434.6	444.0	440.8	446.3	456.4	476.3
Contributions for social insurance	588.2	621.9	617.6	626.1	633.8	647.2	653.8	662.3
Wage accruals less disbursements	-4.1	3.5	3.5	3.5	3.5	0	0	0
Plus: Personal interest income	854.9	897.8	895.3	909.3	906.4	907.4	920.5	938.8
Personal dividend income	333.4	348.3	347.0	348.0	351.9	356.1	361.2	367.0
Government transfer payments to persons	934.5	954.8	951.4	957.7	962.0	978.5	984.1	991.6
Business transfer payments to persons	27.9	28.8	28.7	28.8	29.0	29.3	29.5	29.7
Equals: Personal income	6,951.1	7,358.9	7,296.3	7,413.6	7,530.8	7,630.2	7,732.6	7,831.4
Addenda:								
Gross domestic income	8,303.9	8,807.5	8,725.2	8,885.8	9,009.9	9,172.0	9,281.7	9,439.0
Gross national income	8,308.2	8,797.6	8,725.1	8,860.2	8,992.8	9,157.6	9,267.4	9,423.5
Net domestic product	7,291.1	7,693.0	7,627.2	7,722.7	7,853.6	7,963.9	8,019.9	8,136.9

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

[Billions of chained (1996) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	8,165.1	8,516.3	8,457.2	8,536.0	8,659.2	8,737.9	8,778.6	8,900.6
Plus: Income receipts from the rest of the world	278.1	279.2	286.9	270.3	274.0	276.0	286.6	296.5
Less: Income payments to the rest of the world	274.4	289.6	287.7	295.8	291.3	290.7	301.1	311.8
Equals: Gross national product	8,168.8	8,506.0	8,456.6	8,510.6	8,641.9	8,723.3	8,764.3	8,885.5
Less: Consumption of fixed capital	1,009.7	1,074.2	1,065.3	1,082.4	1,100.6	1,117.8	1,140.5	1,179.1
Private	832.1	899.8	891.1	908.4	925.8	941.6	962.8	1,000.2
Government	179.5	185.4	184.5	186.1	187.8	189.6	191.4	193.3
General government	153.6	158.4	157.7	159.0	160.5	161.9	163.5	165.1
Government enterprises	25.9	26.9	26.8	27.1	27.3	27.6	27.9	28.2
Equals: Net national product	7,159.3	7,432.5	7,391.9	7,429.2	7,542.3	7,606.8	7,626.1	7,710.0
Addenda:								
Gross domestic income ¹	8,168.1	8,562.4	8,497.6	8,621.3	8,719.5	8,833.5	8,908.7	9,035.8
Gross national income ²	8,171.9	8,552.1	8,496.9	8,595.9	8,702.3	8,819.0	8,894.3	9,020.6
Net domestic product	7,155.5	7,442.7	7,392.6	7,454.4	7,559.5	7,621.3	7,640.3	7,725.1

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

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

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

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

Table 1.11.—Command-Basis Real Gross National Product

[Billions of chained (1996) dollars]

Gross national product	8,168.8	8,506.0	8,456.6	8,510.6	8,641.9	8,723.3	8,764.3	8,885.5
Less: Exports of goods and services and income receipts from the rest of the world	1,263.6	1,286.1	1,284.5	1,282.9	1,304.0	1,292.0	1,313.1	1,351.5
Plus: Command-basis exports of goods and services and income receipts from the rest of the world ¹	1,283.6	1,340.0	1,338.0	1,320.3	1,360.7	1,355.0	1,365.2	1,391.6
Equals: Command-basis gross national product	8,188.9	8,559.9	8,510.1	8,568.0	8,698.7	8,786.3	8,816.3	8,925.6
Addendum:								
Terms of trade ²	101.6	104.2	104.2	104.5	104.3	104.9	104.0	103.0

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. 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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
National income	6,634.9	7,036.4	6,977.6	7,087.1	7,193.8	7,334.5	7,423.1	7,522.1
Compensation of employees ...	4,675.7	5,011.2	4,967.0	5,053.6	5,134.7	5,217.7	5,287.1	5,373.6
Wage and salary accruals	3,884.7	4,189.5	4,149.7	4,227.9	4,300.8	4,371.5	4,432.6	4,509.4
Government	664.4	692.8	689.3	696.7	702.8	715.8	721.3	730.3
Other	3,220.3	3,496.7	3,460.4	3,531.2	3,598.0	3,655.7	3,711.3	3,779.1
Supplements to wages and salaries	791.0	821.7	817.3	825.7	833.9	846.2	854.5	864.2
Employer contributions for social insurance	290.1	306.0	303.8	308.1	311.8	318.3	321.5	325.7
Other labor income	500.9	515.7	513.5	517.7	522.1	528.0	533.0	538.5
Proprietors' income with inventory valuation and capital consumption adjustments	578.6	606.1	594.2	606.4	637.1	639.9	655.3	654.0
Farm	29.5	25.1	18.7	22.9	41.1	32.5	34.1	21.0
Proprietors' income with inventory valuation adjustment	37.2	32.7	26.4	30.5	48.6	39.6	41.2	28.8
Capital consumption adjustment	-7.7	-7.6	-7.7	-7.6	-7.5	-7.2	-7.1	-7.9
Nonfarm	549.1	581.0	575.5	583.6	596.0	607.5	621.2	633.0
Proprietors' income with inventory valuation adjustment .....	.5	1.2	.1	1.3	1.1	.8	-1.0	-1.9
Capital consumption adjustment	44.4	47.6	47.8	47.7	47.5	47.7	48.3	48.8
Rental income of persons with capital consumption adjustment	130.2	137.4	133.9	139.3	147.0	148.6	148.8	139.0
Rental income of persons	180.0	188.6	184.3	190.7	199.6	202.5	203.5	198.9
Capital consumption adjustment	-49.9	-51.1	-50.5	-51.4	-52.6	-53.9	-54.7	-59.9
Corporate profits with inventory valuation and capital consumption adjustments	837.9	846.1	847.9	843.8	834.3	882.0	875.5	879.2
Corporate profits with inventory valuation adjustment	803.2	802.8	805.6	799.9	787.4	831.4	822.2	827.1
Profits before tax	795.9	781.9	792.0	780.1	766.7	818.1	835.8	853.8
Profits tax liability	238.3	240.2	241.1	244.3	235.6	248.0	254.4	259.4
Profits after tax	557.6	541.7	550.9	535.8	531.0	570.1	581.4	594.3
Dividends	333.7	348.6	347.3	348.4	352.2	356.4	361.5	367.3
Undistributed profits	223.9	193.1	203.6	187.4	178.8	213.7	219.9	227.0
Inventory valuation adjustment	7.4	20.9	13.6	19.8	20.8	13.3	-13.6	-26.7
Capital consumption adjustment	34.6	43.3	42.4	43.9	46.9	50.6	53.2	52.1
Net interest	412.5	435.7	434.6	444.0	440.8	446.3	456.4	476.3
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments	599.6	605.8	606.8	599.5	598.7	634.0	621.0	619.8
Net cash flow with inventory valuation and capital consumption adjustments	845.3	876.5	872.1	876.1	883.6	923.4	916.7	929.0
Undistributed profits with inventory valuation and capital consumption adjustments	265.9	257.2	259.5	251.1	246.5	277.6	259.5	252.4
Consumption of fixed capital	579.4	619.2	612.6	625.0	637.1	645.8	657.2	676.5
Less: Inventory valuation adjustment	7.4	20.9	13.6	19.8	20.8	13.3	-13.6	-26.7
Equals: Net cash flow	838.0	855.5	858.5	856.3	862.8	910.1	930.3	955.6

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

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
	Billions of dollars							
Gross product of corporate business	5,088.3	5,445.3	5,390.9	5,495.9	5,571.7	5,673.5	5,740.1	5,835.7
Consumption of fixed capital	579.4	619.2	612.6	625.0	637.1	645.8	657.2	676.5
Net product	4,508.9	4,826.0	4,778.3	4,870.9	4,934.6	5,027.7	5,083.0	5,159.1
Indirect business tax and nontax liability plus business transfer payments less subsidies	535.1	564.0	557.0	563.3	584.9	583.4	591.4	600.7
Domestic income	3,973.9	4,262.0	4,221.3	4,307.5	4,349.7	4,444.4	4,491.6	4,558.4
Compensation of employees	3,126.0	3,385.3	3,350.5	3,416.8	3,481.2	3,532.0	3,582.7	3,644.4
Wage and salary accruals	2,635.6	2,871.5	2,839.9	2,900.8	2,958.4	3,002.1	3,047.6	3,103.3
Supplements to wages and salaries	490.4	513.9	510.6	516.0	522.8	529.9	535.0	541.1
Corporate profits with inventory valuation and capital consumption adjustments	729.8	746.0	740.6	757.2	736.0	777.7	772.1	771.1
Profits before tax	687.8	681.9	684.6	693.5	668.3	713.8	732.5	745.6
Profits tax liability	238.3	240.2	241.1	244.3	235.6	248.0	254.4	259.4
Profits after tax	449.5	441.6	443.5	449.2	432.7	465.8	478.0	486.2
Dividends	284.8	314.6	315.3	310.8	328.1	308.4	342.2	337.9
Undistributed profits	164.8	127.0	128.2	138.4	104.6	157.4	135.9	148.3
Inventory valuation adjustment	7.4	20.9	13.6	19.8	20.8	13.3	-13.6	-26.7
Capital consumption adjustment	34.6	43.3	42.4	43.9	46.9	50.6	53.2	52.1
Net interest	118.1	130.6	130.2	133.6	132.5	134.6	136.8	143.0
Gross product of financial corporate business	558.5	610.7	606.2	613.5	623.3	645.0	645.2	659.1
Gross product of nonfinancial corporate business	4,529.8	4,834.6	4,784.7	4,882.4	4,948.4	5,028.6	5,094.9	5,176.6
Consumption of fixed capital	491.3	522.2	516.5	526.7	537.2	543.8	552.3	568.5
Net product	4,038.5	4,312.4	4,268.2	4,355.7	4,411.1	4,484.8	4,542.7	4,608.1
Indirect business tax and nontax liability plus business transfer payments less subsidies	496.1	523.5	516.4	523.0	544.5	542.4	549.8	558.5
Domestic income	3,542.5	3,788.9	3,751.8	3,832.6	3,866.7	3,942.4	3,992.9	4,049.5
Compensation of employees	2,860.1	3,090.4	3,059.9	3,118.6	3,174.6	3,223.8	3,270.0	3,326.3
Wage and salary accruals	2,408.4	2,618.7	2,590.8	2,645.1	2,695.5	2,737.9	2,779.4	2,830.1
Supplements to wages and salaries	451.7	471.7	469.1	473.5	479.0	486.0	490.7	496.2
Corporate profits with inventory valuation and capital consumption adjustments	562.8	575.0	568.6	588.5	568.0	592.5	594.7	589.2
Profits before tax	503.6	490.6	492.4	503.9	479.8	508.6	534.2	541.8
Profits tax liability	158.8	152.5	153.1	157.1	148.8	157.9	166.9	169.3
Profits after tax	344.7	338.1	339.3	346.9	331.0	350.6	367.3	372.5
Dividends	219.8	245.4	245.5	242.9	256.9	241.5	267.9	264.6
Undistributed profits	124.9	92.7	93.7	104.0	74.0	109.1	99.4	108.0
Inventory valuation adjustment	7.4	20.9	13.6	19.8	20.8	13.3	-13.6	-26.7
Capital consumption adjustment	51.8	63.5	62.6	64.8	67.4	70.6	74.1	74.1
Net interest	119.6	123.5	123.3	125.5	124.1	126.1	128.1	134.0
	Billions of chained (1996) dollars							
Gross product of nonfinancial corporate business ¹	4,501.0	4,803.4	4,758.4	4,844.8	4,911.2	4,981.7	5,035.0	5,116.7
Consumption of fixed capital ²	494.9	537.7	532.2	543.2	554.3	564.0	576.9	599.7
Net product ³	4,006.1	4,265.7	4,226.2	4,301.7	4,356.9	4,417.7	4,458.1	4,517.0

1. Chained-dollar gross product of nonfinancial corporate business equals the current-dollar product deflated by the implicit price deflator for goods and structures in gross domestic product. Effective with the estimates scheduled for release on March 30, 2000, the current-dollar product will be deflated by a chain-type price index calculated using gross product price indexes for each nonfinancial industry.

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Personal income	6,951.1	7,358.9	7,296.3	7,413.6	7,530.8	7,630.2	7,732.6	7,831.4
Wage and salary disbursements	3,888.9	4,186.0	4,146.2	4,224.4	4,297.3	4,371.5	4,432.6	4,509.4
Private industries	3,224.4	3,493.2	3,457.0	3,527.7	3,594.5	3,655.7	3,711.3	3,779.1
Goods-producing								
industries	975.5	1,038.7	1,032.2	1,045.6	1,056.6	1,062.9	1,075.1	1,090.2
Manufacturing	718.8	757.5	754.5	762.3	765.6	767.0	774.8	786.4
Distributive industries	879.1	944.6	935.3	953.5	969.9	986.3	997.6	1,013.4
Service industries	1,369.8	1,509.9	1,489.5	1,528.6	1,568.0	1,606.6	1,638.5	1,675.5
Government	664.4	692.8	689.3	696.7	702.8	715.8	721.3	730.3
Other labor income	500.9	515.7	513.5	517.7	522.1	528.0	533.0	538.5
Proprietors' income with inventory valuation and capital consumption adjustments	578.6	606.1	594.2	606.4	637.1	639.9	655.3	654.0
Farm	29.5	25.1	18.7	22.9	41.1	32.5	34.1	21.0
Nonfarm	549.1	581.0	575.5	583.6	596.0	607.5	621.2	633.0
Rental income of persons with capital consumption adjustment	130.2	137.4	133.9	139.3	147.0	148.6	148.8	139.0
Personal dividend income	333.4	348.3	347.0	348.0	351.9	356.1	361.2	367.0
Personal interest income	854.9	897.8	895.3	909.3	906.4	907.4	920.5	938.8
Transfer payments to persons	962.4	983.6	980.0	986.5	991.0	1,007.8	1,013.6	1,021.3
Old-age, survivors, disability, and health insurance benefits	565.8	578.1	576.5	579.6	581.1	588.9	593.0	599.0
Government unemployment insurance benefits	20.0	19.8	19.2	20.6	19.9	20.5	20.3	20.2
Veterans benefits	22.5	23.3	23.2	23.3	23.6	24.3	24.1	24.3
Other transfer payments	354.1	362.3	361.1	362.9	366.4	374.1	376.2	377.8
Family assistance ¹	17.6	17.1	17.1	17.1	17.3	16.9	16.3	15.4
Other	336.5	345.2	344.0	345.8	349.1	357.2	359.9	362.4
Less: Personal contributions for social insurance	298.1	315.9	313.8	318.0	322.0	328.9	332.3	336.7
Less: Personal tax and nontax payments	968.3	1,072.6	1,058.0	1,088.3	1,113.0	1,124.8	1,139.4	1,160.4
Equals: Disposable personal income	5,982.8	6,286.2	6,238.3	6,325.3	6,417.8	6,505.4	6,593.2	6,671.0
Less: Personal outlays	5,711.7	6,056.6	6,020.9	6,100.5	6,190.3	6,310.3	6,425.2	6,531.5
Personal consumption expenditures	5,524.4	5,848.6	5,816.2	5,889.6	5,973.7	6,090.8	6,200.8	6,303.7
Interest paid by persons	166.7	185.7	182.8	187.9	193.2	196.1	199.9	203.3
Personal transfer payments to the rest of the world (net)	20.6	22.3	21.8	22.9	23.3	23.5	24.6	24.5
Equals: Personal saving	271.1	229.7	217.5	224.8	227.5	195.1	168.0	139.5
Addenda:								
Disposable personal income:								
Total, billions of chained (1996) dollars ²	5,884.7	6,125.1	6,087.5	6,154.6	6,226.6	6,289.3	6,339.1	6,384.8
Per capita:								
Current dollars	22,320	23,231	23,086	23,345	23,628	23,904	24,171	24,389
Chained (1996) dollars	21,954	22,636	22,528	22,715	22,924	23,110	23,239	23,343
Population (mid-period, millions)	268.0	270.6	270.2	270.9	271.6	272.1	272.8	273.5
Personal saving as a percentage of disposable personal income	4.5	3.7	3.5	3.6	3.5	3.0	2.5	2.1

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Personal consumption expenditures	5,524.4	5,848.6	5,816.2	5,889.6	5,973.7	6,090.8	6,200.8	6,303.7
Durable goods	642.9	698.2	693.9	696.9	722.8	739.0	751.6	761.8
Motor vehicles and parts	263.1	289.2	288.2	285.6	304.4	306.8	313.8	318.1
Furniture and household equipment	249.5	268.7	265.8	270.6	275.3	283.8	287.3	292.0
Other	130.3	140.3	139.8	140.8	143.1	148.3	150.5	151.8
Nondurable goods	1,641.7	1,708.9	1,701.2	1,716.6	1,742.9	1,787.8	1,824.8	1,853.9
Food	817.0	853.4	847.6	857.6	875.6	885.4	893.4	903.9
Clothing and shoes	271.2	286.3	287.1	286.6	289.2	301.8	306.7	308.1
Gasoline, fuel oil, and other energy goods	141.4	126.2	127.7	125.2	120.9	120.1	136.3	144.6
Gasoline and oil	126.2	112.9	114.1	111.8	108.3	106.5	121.7	129.3
Fuel oil and coal	15.2	13.2	13.6	13.4	12.6	13.7	14.6	15.4
Other	412.1	442.9	438.8	447.3	457.2	480.5	488.4	497.3
Services	3,239.8	3,441.5	3,421.1	3,476.1	3,508.0	3,564.0	3,624.3	3,688.0
Housing	809.8	855.9	850.0	861.8	874.3	885.6	897.3	907.6
Household operation	332.7	346.9	348.0	356.0	347.3	356.2	360.3	366.8
Electricity and gas	130.4	128.1	131.4	134.6	122.9	128.3	129.4	133.8
Other household operation	202.4	218.8	216.6	221.5	224.5	227.9	230.9	233.0
Transportation	234.4	245.2	244.9	246.2	247.7	250.3	254.0	256.5
Medical care	850.2	894.3	890.1	899.0	910.5	922.5	933.0	948.1
Recreation	205.3	221.0	218.7	223.0	226.1	233.1	241.0	252.1
Other	807.4	878.2	869.4	890.1	902.1	916.4	938.8	956.8
Addenda:								
Energy goods and services ¹	271.7	254.3	259.1	259.7	243.8	248.4	265.7	278.5
Personal consumption expenditures less food and energy	4,435.7	4,740.8	4,709.4	4,772.3	4,854.3	4,956.9	5,041.6	5,121.3

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]

Personal consumption expenditures	5,433.7	5,698.6	5,675.6	5,730.7	5,795.8	5,888.4	5,961.8	6,033.3
Durable goods	657.4	731.5	723.9	731.2	766.0	788.8	806.1	821.2
Motor vehicles and parts	263.8	291.9	291.7	286.7	307.4	310.4	317.2	319.6
Furniture and household equipment	262.1	297.4	290.4	301.7	312.6	326.7	335.5	346.0
Other	131.6	142.7	141.9	143.7	146.5	152.9	154.7	157.6
Nondurable goods	1,619.9	1,685.3	1,681.9	1,692.0	1,712.6	1,749.5	1,763.7	1,779.3
Food	799.1	820.6	818.2	823.0	835.4	849.5	864.6	880.0
Clothing and shoes	271.1	292.2	293.1	292.2	295.6	314.7	316.8	321.6
Gasoline, fuel oil, and other energy goods	141.3	142.1	142.5	143.1	141.9	142.9	143.9	144.5
Gasoline and oil	126.2	127.7	127.9	128.5	127.7	127.1	127.5	128.2
Fuel oil and coal	15.1	14.5	14.7	14.7	14.2	15.8	16.4	16.3
Other	408.5	430.6	428.3	433.9	439.4	452.6	458.6	463.5
Services	3,156.7	3,284.5	3,272.2	3,309.6	3,322.0	3,356.5	3,399.2	3,440.6
Housing	786.5	805.6	804.1	808.0	812.0	818.4	823.1	828.5
Household operation	327.1	344.3	344.7	353.7	345.4	354.0	358.8	364.4
Electricity and gas	127.5	129.6	132.2	136.6	125.7	131.1	132.2	135.4
Other household operation	199.6	214.7	212.6	217.2	219.6	222.8	226.4	228.9
Transportation	226.3	234.2	234.4	234.6	236.1	237.7	239.9	242.4
Medical care	831.0	854.4	852.7	856.4	862.2	865.6	872.0	880.9
Recreation	199.1	208.8	206.5	210.3	212.8	218.4	225.0	232.4
Other	786.6	837.3	829.9	847.1	853.6	862.7	880.8	892.6
Residual	-4	-3.6	-3.0	-3.9	-5.0	-8.0	-8.9	-10.6
Addenda:								
Energy goods and services ¹	268.8	271.8	274.8	280.2	267.3	274.1	276.2	280.0
Personal consumption expenditures less food and energy	4,365.9	4,605.9	4,582.6	4,628.0	4,691.7	4,773.8	4,839.9	4,902.3

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Current receipts	2,440.5	2,611.8	2,586.8	2,635.3	2,680.2	2,716.6	2,754.4	2,800.5
Personal tax and nontax receipts	968.3	1,072.6	1,058.0	1,088.3	1,113.0	1,124.8	1,139.4	1,160.4
Corporate profits tax accruals	238.3	240.2	241.1	244.3	235.6	248.0	254.4	259.4
Indirect business tax and nontax accruals	645.8	677.0	670.1	676.6	697.8	696.6	706.7	718.3
Contributions for social insurance	588.2	621.9	617.6	626.1	633.8	647.2	653.8	662.3
Current expenditures	2,461.8	2,523.1	2,512.4	2,525.9	2,566.3	2,570.3	2,598.7	2,617.8
Consumption expenditures	1,222.9	1,261.0	1,260.1	1,265.2	1,282.1	1,299.4	1,313.7	1,341.5
Transfer payments (net)	944.5	965.2	957.6	966.7	980.7	985.3	993.3	1,000.1
To persons	934.5	954.8	951.4	957.7	962.0	978.5	984.1	991.6
To the rest of the world (net)	10.0	10.4	6.2	9.1	18.7	6.8	9.2	8.5
Net interest paid	275.7	276.4	277.9	277.4	272.5	265.0	264.1	259.2
Interest paid	369.2	368.4	370.1	368.8	365.6	358.1	358.6	354.3
To persons and business	281.2	277.3	278.3	277.7	274.8	267.4	266.0	257.7
To the rest of the world	88.1	91.1	91.8	91.1	90.8	90.7	92.6	96.6
Less: Interest received by government	93.5	92.0	92.2	91.4	93.2	93.1	94.5	95.1
Less: Dividends received by government .....	.3	.3	.3	.3	.3	.3	.3	.3
Subsidies less current surplus of government enterprises	19.0	20.8	17.1	16.9	31.4	21.0	27.9	17.3
Subsidies	32.3	35.6	31.9	32.3	46.4	38.0	44.9	34.6
Less: Current surplus of government enterprises	13.3	14.8	14.7	15.4	15.0	16.9	17.0	17.3
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Current surplus or deficit (–), national income and product accounts	–21.3	88.7	74.4	109.5	113.9	146.3	155.7	182.7
Social insurance funds	32.2	57.3	54.9	59.6	67.0	72.7	76.4	79.7
Other	–53.5	31.4	19.5	49.9	46.9	73.6	79.3	103.0
Addenda:								
Net lending or net borrowing (–)	–72.9	34.4	27.5	49.4	58.2	75.6	88.9	108.9
Current surplus or deficit (–), national income and product accounts	–21.3	88.7	74.4	109.5	113.9	146.3	155.7	182.7
Plus: Consumption of fixed capital	180.5	186.2	184.8	186.9	189.1	192.0	194.5	197.2
Plus: Capital transfers received (net)	26.8	32.6	33.4	31.6	34.8	35.1	37.9	34.5
Less: Gross investment	258.1	268.7	266.3	273.5	272.6	289.8	292.2	295.7
Less: Net purchases of nonproduced assets .....	.9	4.3	–1.2	5.1	7.0	8.0	8.9	9.9

Table 3.2.—Federal Government Current Receipts and Expenditures

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Current receipts	1,627.2	1,750.7	1,734.4	1,770.3	1,793.3	1,826.5	1,853.1	1,883.1
Personal tax and nontax receipts	750.9	835.7	824.0	847.3	868.1	877.9	892.1	908.0
Income taxes	743.1	827.6	815.9	839.1	859.8	869.4	883.4	899.0
Nontaxes	7.8	8.1	8.1	8.2	8.3	8.5	8.8	9.0
Corporate profits tax accruals	204.2	206.5	207.2	209.9	202.6	212.6	218.1	222.4
Federal Reserve banks	20.7	26.6	26.4	26.7	26.7	23.5	23.7	24.6
Other	183.5	179.9	180.8	183.2	175.9	189.1	194.4	197.9
Indirect business tax and nontax accruals	94.9	97.3	96.4	97.7	99.6	99.5	100.0	101.5
Excise taxes	58.9	62.9	61.9	63.1	65.7	66.3	66.9	66.9
Customs duties	19.6	19.6	19.4	19.9	19.6	19.0	18.8	20.5
Nontaxes	16.4	14.8	15.0	14.7	14.3	14.1	14.2	14.2
Contributions for social insurance	577.2	611.2	606.9	615.4	623.1	636.5	642.9	651.2
Current expenditures	1,676.0	1,703.8	1,690.9	1,710.7	1,733.5	1,728.9	1,735.0	1,749.3
Consumption expenditures	457.0	453.5	457.4	451.4	460.0	467.0	465.2	475.0
Transfer payments (net)	716.6	730.4	724.2	731.0	742.1	743.4	749.7	754.8
To persons	706.6	720.0	718.0	721.9	723.5	736.6	740.5	746.4
To the rest of the world (net)	10.0	10.4	6.2	9.1	18.7	6.8	9.2	8.5
Grants-in-aid to State and local governments	195.7	209.3	200.8	220.2	214.2	219.9	215.7	230.6
Net interest paid	276.3	278.4	280.0	279.6	274.3	266.0	264.8	259.9
Interest paid	298.6	297.7	299.5	298.1	294.8	287.1	287.4	282.9
To persons and business	210.5	206.6	207.6	207.0	204.0	196.4	194.8	186.3
To the rest of the world	88.1	91.1	91.8	91.1	90.8	90.7	92.6	96.6
Less: Interest received by government	22.3	19.3	19.4	18.5	20.5	21.1	22.6	23.0
Subsidies less current surplus of government enterprises	30.4	32.1	28.4	28.5	42.9	32.6	39.5	29.0
Subsidies	31.9	35.1	31.4	31.8	45.9	37.5	44.4	34.1
Less: Current surplus of government enterprises	1.5	3.0	3.0	3.3	3.0	4.8	4.9	5.1
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Current surplus or deficit (-), national income and product accounts	-48.8	46.9	43.5	59.6	59.7	97.6	118.1	133.8
Social insurance funds	31.0	56.4	53.9	58.6	66.3	72.2	75.6	78.9
Other	-79.9	-9.4	-10.4	1.0	-6.6	25.4	42.5	54.9
Addenda:								
Net lending or net borrowing (-)	-43.8	51.1	55.3	58.3	60.8	96.2	108.3	120.4
Current surplus or deficit (-), national income and product accounts	-48.8	46.9	43.5	59.6	59.7	97.6	118.1	133.8
Plus: Consumption of fixed capital	86.6	87.4	87.0	87.5	88.1	89.6	90.2	91.2
Plus: Capital transfers received (net)	-8.4	-3.6	-1.5	-5.5	-3.4	-2.7	-4.8	-9.7
Less: Gross investment	80.8	85.2	84.8	88.3	86.7	90.4	96.4	94.9
Less: Net purchases of nonproduced assets	-7.6	-5.6	-11.1	-5.0	-3.1	-2.1	-1.1	0

Table 3.3.—State and Local Government Current Receipts and Expenditures

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Current receipts	1,009.0	1,070.4	1,053.2	1,085.3	1,101.1	1,110.0	1,117.0	1,148.0
Personal tax and nontax receipts	217.4	236.9	234.0	241.0	244.9	246.9	247.3	252.4
Income taxes	168.0	184.7	182.1	188.4	191.6	192.9	192.5	197.0
Nontaxes	31.3	33.2	32.9	33.5	34.0	34.5	35.1	35.6
Other	18.2	19.0	18.9	19.1	19.3	19.5	19.7	19.8
Corporate profits tax accruals	34.0	33.8	33.9	34.4	33.1	35.4	36.4	37.0
Indirect business tax and nontax accruals	550.9	579.6	573.8	579.0	598.2	597.1	606.8	616.8
Sales taxes	269.3	284.3	282.8	284.8	291.1	298.5	303.7	309.5
Property taxes	218.7	225.5	225.6	226.4	226.3	229.5	232.8	236.1
Other	62.9	69.8	65.4	67.7	80.8	69.1	70.3	71.2
Contributions for social insurance	11.0	10.7	10.7	10.7	10.7	10.7	10.9	11.2
Federal grants-in-aid	195.7	209.3	200.8	220.2	214.2	219.9	215.7	230.6
Current expenditures	981.5	1,028.7	1,022.3	1,035.4	1,046.9	1,061.2	1,079.4	1,099.1
Consumption expenditures	765.9	807.5	802.7	813.8	822.2	832.4	848.4	866.5
Transfer payments to persons	227.9	234.8	233.4	235.7	238.5	241.9	243.6	245.3
Net interest paid	-6	-2.0	-2.2	-2.2	-1.8	-1.0	-7	-6
Interest paid	70.6	70.7	70.6	70.7	70.8	71.0	71.2	71.5
Less: Interest received by government	71.2	72.7	72.8	72.9	72.7	72.0	71.9	72.1
Less: Dividends received by government	.3	.3	.3	.3	.3	.3	.3	.3
Subsidies less current surplus of government enterprises	-11.4	-11.3	-11.3	-11.6	-11.6	-11.6	-11.6	-11.7
Subsidies	.4	.5	.5	.5	.5	.5	.5	.5
Less: Current surplus of government enterprises	11.8	11.7	11.7	12.0	12.1	12.1	12.1	12.2
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Current surplus or deficit (-), national income and product accounts	27.5	41.7	30.9	49.9	54.2	48.7	37.6	48.9
Social insurance funds	1.2	.9	1.0	.9	.7	.6	.8	.8
Other	26.4	40.8	29.9	48.9	53.4	48.2	36.8	48.1
Addenda:								
Net lending or net borrowing (-)	-29.1	-16.8	-27.8	-8.9	-2.6	-20.6	-21.4	-11.6
Current surplus or deficit (-), national income and product accounts	27.5	41.7	30.9	49.9	54.2	48.7	37.6	48.9
Plus: Consumption of fixed capital	94.0	98.8	97.8	99.4	101.1	102.4	104.3	106.0
Plus: Capital transfers received (net)	35.3	36.2	34.9	37.1	38.2	37.8	42.6	44.2
Less: Gross investment	177.3	183.5	181.5	185.2	185.9	199.4	195.8	200.8
Less: Net purchases of nonproduced assets	8.6	9.9	9.9	10.1	10.2	10.1	10.0	9.8

Table 3.7.—Government Consumption Expenditures and Gross Investment by Type

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,481.0	1,529.7	1,526.5	1,538.7	1,554.8	1,589.1	1,605.9	1,637.2
Federal	537.8	538.7	542.2	539.7	546.7	557.4	561.6	569.8
National defense	352.5	348.6	347.9	354.7	352.9	355.8	354.3	365.4
Consumption expenditures	304.5	299.9	301.2	302.5	303.4	304.6	300.8	312.1
Durable goods ²	20.7	21.0	20.6	21.8	21.4	20.4	21.1	22.4
Nondurable goods	7.5	7.0	6.7	7.6	6.9	6.4	7.4	9.8
Services	276.3	271.9	273.9	273.1	275.1	277.8	272.3	279.9
Compensation of general government employees, except own-account investment ³	132.0	131.0	130.7	131.1	129.9	133.2	132.9	133.3
Consumption of general government fixed capital ⁴	62.7	61.6	61.5	61.5	61.5	62.2	62.3	62.7
Other services	81.6	79.3	81.6	80.4	83.6	82.4	77.1	83.9
Gross investment	48.0	48.7	46.8	52.2	49.5	51.2	53.5	53.4
Structures	5.7	5.4	5.0	5.9	5.1	5.4	5.3	5.2
Equipment and software	42.3	43.3	41.7	46.3	44.4	45.8	48.2	48.2
Nondefense	185.3	190.1	194.3	185.0	193.8	201.6	207.3	204.4
Consumption expenditures	152.5	153.6	156.3	149.0	156.5	162.4	164.4	162.9
Durable goods ²	1.2	—2	1.3	—4.8	1.2	1.3	1.4	1.1
Nondurable goods	8.1	8.4	8.3	8.4	8.6	9.5	9.6	10.1
Commodity Credit Corporation inventory change	—1	.1	0	.3	.4	1.1	.8	1.1
Other nondurables	8.1	8.2	8.2	8.1	8.2	8.4	8.8	8.9
Services	143.3	145.5	146.6	145.3	146.8	151.7	153.4	151.7
Compensation of general government employees, except own-account investment ³	78.2	81.9	81.3	82.1	84.2	88.3	87.6	87.3
Consumption of general government fixed capital ⁴	19.3	20.9	20.7	21.1	21.5	22.3	22.7	23.2
Other services	45.8	42.7	44.7	42.2	41.0	41.1	43.2	41.2
Gross investment	32.8	36.5	38.0	36.1	37.2	39.2	42.9	41.5
Structures	9.7	11.3	10.9	11.7	11.6	11.7	10.8	11.4
Equipment and software	23.0	25.2	27.1	24.4	25.7	27.4	32.1	30.1
State and local	943.2	991.0	984.2	999.0	1,008.1	1,031.8	1,044.3	1,067.4
Consumption expenditures	765.9	807.5	802.7	813.8	822.2	832.4	848.4	866.5
Durable goods ²	14.0	15.2	15.0	15.3	15.5	15.8	16.0	16.3
Nondurable goods	84.4	86.3	86.3	86.8	86.7	87.7	93.1	98.5
Services	667.5	706.1	701.3	711.6	719.9	728.8	739.3	751.7
Compensation of general government employees, except own-account investment ³	565.4	592.6	589.3	596.4	602.6	609.8	616.9	626.4
Consumption of general government fixed capital ⁴	72.2	76.0	75.3	76.6	77.8	78.9	80.5	81.9
Other services	29.8	37.5	36.8	38.6	39.5	40.2	41.9	43.4
Gross investment	177.3	183.5	181.5	185.2	185.9	199.4	195.8	200.8
Structures	132.8	135.2	133.7	136.5	136.1	148.9	144.4	147.8
Equipment and software	44.5	48.3	47.8	48.8	49.8	50.5	51.5	53.0
Addenda:								
Compensation of general government employees ³	783.6	813.8	809.5	818.2	825.3	840.5	846.5	856.4
Federal	211.7	214.4	213.5	214.9	215.7	223.3	222.2	222.4
State and local	571.8	599.4	596.0	603.3	609.5	617.2	624.2	634.0

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

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

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

[Billions of chained (1996) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Government consumption expenditures and gross investment¹	1,455.1	1,480.3	1,480.7	1,485.3	1,495.9	1,514.6	1,519.5	1,536.5
Federal	530.9	526.1	530.1	527.0	532.0	531.4	534.2	539.7
National defense	348.3	341.7	341.6	347.5	344.9	341.4	339.2	348.3
Consumption expenditures	299.4	291.4	293.4	293.6	293.6	289.5	284.9	294.0
Durable goods ²	20.8	21.2	20.8	22.0	21.6	20.6	21.3	22.7
Nondurable goods	7.7	8.1	7.6	8.9	8.1	7.7	8.5	10.4
Services	271.0	262.3	265.0	263.0	263.9	261.2	255.4	261.5
Compensation of general government employees, except own-account investment ³	128.3	124.3	124.4	124.3	122.6	121.5	121.0	121.2
Consumption of general government fixed capital ⁴	62.6	62.2	62.2	62.1	62.1	62.1	62.1	62.2
Other services	80.0	75.9	78.5	76.6	79.3	77.8	72.4	78.2
Gross investment	48.7	50.3	48.1	54.0	51.4	52.1	54.6	54.5
Structures	5.5	5.1	4.8	5.5	4.8	5.0	4.9	4.7
Equipment and software	43.2	45.3	43.4	48.6	46.8	47.2	49.9	50.0
Nondefense	182.7	184.4	188.4	179.6	187.1	189.9	194.9	191.3
Consumption expenditures	149.6	147.3	149.8	142.9	149.1	150.8	152.1	149.8
Durable goods ²	1.3	—1	1.5	—4.5	1.3	1.5	1.7	1.4
Nondurable goods	8.0	8.4	8.3	8.5	8.8	10.4	10.6	11.4
Commodity Credit Corporation inventory change	—1	.1	0	.3	.5	2.0	2.0	2.7
Other nondurables	8.2	8.3	8.3	8.1	8.3	8.4	8.6	8.6
Services	140.3	139.1	140.1	138.8	139.4	139.8	141.1	138.8
Compensation of general government employees, except own-account investment ³	75.9	76.8	76.6	76.7	78.1	78.2	77.2	76.4
Consumption of general government fixed capital ⁴	19.5	21.3	21.0	21.5	22.0	22.5	22.9	23.4
Other services	44.9	41.1	42.5	40.7	39.4	39.3	41.2	39.2
Gross investment	33.1	37.2	38.8	36.9	38.1	39.4	42.2	41.9
Structures	9.4	10.6	10.3	11.0	10.8	10.9	9.9	10.4
Equipment and software	23.7	26.7	28.7	25.9	27.5	28.6	33.7	31.8
State and local	924.1	953.9	950.5	958.1	963.6	982.9	985.1	996.6
Consumption expenditures	749.8	775.1	772.8	777.8	783.7	790.4	797.3	804.9
Durable goods ²	14.1	15.3	15.2	15.4	15.7	16.0	16.2	16.5
Nondurable goods	85.0	91.4	90.7	92.1	93.5	95.0	96.5	98.1
Services	650.8	668.8	667.3	670.6	675.0	680.0	685.2	691.1
Compensation of general government employees, except own-account investment ³	550.5	557.6	557.0	558.1	560.6	563.5	566.6	570.5
Consumption of general government fixed capital ⁴	71.4	75.0	74.5	75.4	76.4	77.4	78.4	79.5
Other services	28.8	36.3	35.9	37.2	38.2	39.3	40.5	41.5
Gross investment	174.3	178.8	177.6	180.3	179.9	192.7	187.8	191.7
Structures	128.4	127.5	126.9	128.3	126.6	137.8	132.1	134.1
Equipment and software	45.9	51.8	51.1	52.5	54.0	55.2	56.6	58.6
Residual	.1	—1.5	—1.2	—1.4	—2.3	—2.9	—4.7	—5.6
Addenda:								
Compensation of general government employees ³	762.4	766.6	765.8	767.2	769.4	771.6	773.1	776.6
Federal	205.7	202.6	202.5	202.6	202.3	201.2	199.8	199.2
State and local	556.7	564.0	563.3	564.6	567.1	570.4	573.3	577.4

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 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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
National defense consumption expenditures and gross investment¹	352.5	348.6	347.9	354.7	352.9	355.8	354.3	365.4
Consumption expenditures	304.5	299.9	301.2	302.5	303.4	304.6	300.8	312.1
Durable goods²	20.7	21.0	20.6	21.8	21.4	20.4	21.1	22.4
Aircraft	9.6	10.1	10.1	9.8	11.0	9.6	9.7	10.4
Missiles	2.4	2.3	2.0	3.0	2.1	2.2	2.1	2.3
Ships	.7	.6	.6	.6	.6	.6	.8	.7
Vehicles	1.0	.9	.9	.9	.9	.7	.8	.8
Electronics	2.6	2.5	2.4	2.5	2.4	2.5	2.8	3.0
Other durable goods	4.5	4.6	4.6	4.9	4.4	4.7	4.9	5.0
Nondurable goods	7.5	7.0	6.7	7.6	6.9	6.4	7.4	9.8
Petroleum products	3.0	2.1	2.2	2.1	1.7	1.5	2.3	3.6
Ammunition	1.5	1.9	1.4	2.5	2.0	1.8	1.8	2.3
Other nondurable goods	3.0	3.1	3.1	3.0	3.2	3.1	3.4	3.9
Services	276.3	271.9	273.9	273.1	275.1	277.8	272.3	279.9
Compensation of general government employees, except own-account investment ³	132.0	131.0	130.7	131.1	129.9	133.2	132.9	133.3
Military	84.1	83.7	83.7	83.7	83.1	84.7	84.2	84.6
Civilian	47.9	47.2	47.1	47.4	46.8	48.5	48.7	48.7
Consumption of general government fixed capital ⁴	62.7	61.6	61.5	61.5	61.5	62.2	62.3	62.7
Other services	81.6	79.3	81.6	80.4	83.6	82.4	77.1	83.9
Research and development	24.0	21.2	21.9	22.4	22.8	18.8	15.3	18.0
Installation support	24.3	23.9	24.7	25.1	23.4	24.6	24.2	27.1
Weapons support	8.3	8.5	8.4	8.6	9.3	8.5	8.4	8.8
Personnel support	18.7	18.9	18.9	18.7	20.3	22.0	20.9	23.8
Transportation of material	4.5	4.9	4.7	4.9	5.3	5.6	6.0	5.4
Travel of persons	3.6	3.5	3.5	3.5	3.5	3.6	3.6	3.6
Other	-1.9	-1.7	-6	-2.7	-1.0	-7	-1.4	-2.7
Gross investment	48.0	48.7	46.8	52.2	49.5	51.2	53.5	53.4
Structures	5.7	5.4	5.0	5.9	5.1	5.4	5.3	5.2
Equipment and software	42.3	43.3	41.7	46.3	44.4	45.8	48.2	48.2
Aircraft	5.8	5.6	5.0	6.0	7.0	6.1	7.6	7.8
Missiles	2.9	3.3	2.8	4.4	2.9	2.8	2.7	2.7
Ships	6.1	6.4	6.0	6.5	6.9	6.8	6.6	6.5
Vehicles	1.4	1.5	1.8	1.5	1.4	1.4	1.8	1.6
Electronics and software	12.2	12.7	12.6	12.9	13.0	13.7	15.2	15.6
Other equipment	13.9	13.8	13.5	15.0	13.2	15.1	14.4	14.0
Addendum:								
Compensation of general government employees ³	132.6	131.5	131.2	131.6	130.5	133.8	133.5	133.9

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
National defense consumption expenditures and gross investment¹	348.3	341.7	341.6	347.5	344.9	341.4	339.2	348.3
Consumption expenditures	299.4	291.4	293.4	293.6	293.6	289.5	284.9	294.0
Durable goods²	20.8	21.2	20.8	22.0	21.6	20.6	21.3	22.7
Aircraft	9.7	10.2	10.2	10.0	11.2	9.8	9.9	10.7
Missiles	2.4	2.4	2.0	3.1	2.2	2.2	2.1	2.3
Ships	.7	.6	.6	.6	.6	.7	.8	.8
Vehicles	1.0	.7	.7	.7	.7	.6	.7	.7
Electronics	2.6	2.6	2.6	2.7	2.6	2.7	3.1	3.3
Other durable goods	4.5	4.6	4.6	5.0	4.4	4.7	4.9	5.1
Nondurable goods	7.7	8.1	7.6	8.9	8.1	7.7	8.5	10.4
Petroleum products	3.1	3.0	3.1	3.3	2.7	2.6	3.2	4.2
Ammunition	1.5	1.9	1.5	2.6	2.1	1.8	1.8	2.4
Other nondurable goods	3.0	3.1	3.1	3.0	3.1	3.1	3.4	3.8
Services	271.0	262.3	265.0	263.0	263.9	261.2	255.4	261.5
Compensation of general government employees, except own-account investment ³	128.3	124.3	124.4	124.3	122.6	121.5	121.0	121.2
Military	82.0	80.1	80.1	80.2	79.4	78.6	78.2	78.8
Civilian	46.3	44.2	44.4	44.2	43.3	42.8	42.8	42.5
Consumption of general government fixed capital ⁴	62.6	62.2	62.2	62.1	62.1	62.1	62.1	62.2
Other services	80.0	75.9	78.5	76.6	79.3	77.8	72.4	78.2
Research and development	23.4	20.3	21.1	21.5	21.8	17.9	14.5	17.0
Installation support	24.0	23.2	24.1	24.2	22.4	23.6	23.1	25.8
Weapons support	8.1	8.1	8.0	8.1	8.8	7.9	7.8	8.0
Personnel support	18.1	17.5	17.7	17.2	18.5	19.8	18.8	21.1
Transportation of material	4.6	4.9	4.7	4.8	5.4	5.7	6.0	5.2
Travel of persons	3.6	3.4	3.4	3.3	3.4	3.4	3.4	3.4
Other	-1.8	-1.5	-6	-2.5	-1.0	-6	-1.2	-2.4
Gross investment	48.7	50.3	48.1	54.0	51.4	52.1	54.6	54.5
Structures	5.5	5.1	4.8	5.5	4.8	5.0	4.9	4.7
Equipment and software	43.2	45.3	43.4	48.6	46.8	47.2	49.9	50.0
Aircraft	6.2	6.2	5.4	6.7	8.1	6.3	7.8	8.1
Missiles	3.0	3.5	3.0	4.7	3.0	2.9	2.9	2.9
Ships	6.0	6.4	6.0	6.5	6.9	6.8	6.6	6.5
Vehicles	1.4	1.5	1.8	1.5	1.4	1.4	1.8	1.6
Electronics and software	12.7	13.8	13.7	14.1	14.3	14.7	16.4	17.0
Other equipment	13.9	13.8	13.5	15.0	13.1	15.0	14.3	14.0
Residual	.2	-1	-1	-6	-4	-1	-9	-1.4
Addendum:								
Compensation of general government employees ³	128.8	124.8	124.9	124.8	123.1	122.0	121.5	121.7

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, 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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Receipts from the rest of the world	1,250.6	1,251.6	1,253.0	1,225.5	1,262.7	1,250.7	1,274.3	1,316.2
Exports of goods and services ...	968.0	966.3	960.1	949.1	981.8	966.9	978.2	1,008.5
Goods ¹	689.0	681.3	671.8	667.2	693.3	674.3	680.5	708.8
Durable	483.5	487.2	477.8	479.4	498.3	486.7	489.8	512.2
Nondurable	205.4	194.0	194.0	187.8	195.0	187.6	190.7	196.6
Services ¹	279.0	285.1	288.2	281.9	288.6	292.6	297.7	299.7
Income receipts	282.6	285.3	292.9	276.4	280.8	283.8	296.1	307.7
Payments to the rest of the world	1,250.6	1,251.6	1,253.0	1,225.5	1,262.7	1,250.7	1,274.3	1,316.2
Imports of goods and services ...	1,056.3	1,115.9	1,114.0	1,114.8	1,143.1	1,168.5	1,224.0	1,286.6
Goods ¹	885.1	930.4	928.9	927.2	952.6	974.3	1,022.3	1,079.3
Durable	587.3	636.1	632.3	632.0	659.5	676.6	701.7	732.5
Nondurable	297.8	294.3	296.7	295.2	293.2	297.7	320.6	346.7
Services ¹	171.2	185.5	185.1	187.7	190.4	194.2	201.7	207.4
Income payments	278.4	295.2	292.9	302.0	297.9	298.2	310.4	323.2
Transfer payments (net)	39.6	42.0	37.4	41.3	51.6	39.7	43.6	42.7
From persons (net)	20.6	22.3	21.8	22.9	23.3	23.5	24.6	24.5
From government (net)	10.0	10.4	6.2	9.1	18.7	6.8	9.2	8.5
From business	9.0	9.3	9.3	9.3	9.6	9.5	9.8	9.8
Net foreign investment	-123.7	-201.5	-191.4	-232.6	-229.9	-255.7	-303.7	-336.3

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Exports of goods and services	985.4	1,007.1	997.2	993.0	1,030.8	1,016.4	1,026.4	1,054.8
Goods ¹	708.1	722.8	709.3	712.0	744.2	726.4	734.1	763.3
Durable	498.3	513.5	501.8	507.5	529.3	518.2	522.8	548.2
Nondurable	209.9	209.3	207.5	204.4	214.9	208.1	211.2	214.9
Services ¹	277.5	284.4	287.7	281.1	287.0	289.9	292.2	292.2
Income receipts	278.1	279.2	286.9	270.3	274.0	276.0	286.6	296.5
Imports of goods and services	1,095.2	1,222.2	1,215.6	1,231.0	1,263.1	1,300.9	1,345.4	1,393.0
Goods ¹	923.2	1,031.6	1,025.5	1,037.9	1,069.7	1,102.0	1,142.5	1,188.9
Durable	619.8	700.2	693.3	700.7	733.7	753.6	787.4	825.3
Nondurable	303.5	331.6	332.5	337.5	336.0	348.5	355.0	363.8
Services ¹	172.1	190.7	190.1	193.1	193.8	199.4	203.7	205.5
Income payments	274.4	289.6	287.7	295.8	291.3	290.7	301.1	311.8

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Exports of goods and services	968.0	966.3	960.1	949.1	981.8	966.9	978.2	1,008.5
Exports of goods ¹	689.0	681.3	671.8	667.2	693.3	674.3	680.5	708.8
Foods, feeds, and beverages	51.5	46.4	45.9	42.8	47.5	43.2	45.3	47.1
Industrial supplies and materials	152.5	142.8	143.4	138.8	139.7	133.6	137.0	142.6
Durable goods	55.1	53.7	53.7	51.9	52.6	51.7	52.5	53.8
Nondurable goods	97.5	89.1	89.7	86.9	87.1	81.9	84.5	88.8
Capital goods, except automotive	295.7	300.1	291.6	299.0	309.2	301.7	299.5	319.3
Civilian aircraft, engines, and parts	41.4	53.5	46.5	56.2	63.6	56.6	48.7	53.9
Computers, peripherals, and parts	49.4	45.2	45.1	44.8	45.6	44.1	46.5	48.2
Other	205.0	201.3	200.0	198.0	200.0	200.9	204.3	217.2
Automotive vehicles, engines, and parts	74.0	73.2	72.6	68.2	74.7	71.4	75.0	76.0
Consumer goods, except automotive	77.4	79.3	79.2	80.3	79.2	79.6	79.1	80.6
Durable goods	39.8	40.5	40.3	41.2	40.3	39.5	40.5	41.5
Nondurable goods	37.6	38.7	38.8	39.1	38.9	40.1	38.7	39.0
Other	37.8	39.5	39.3	37.9	43.0	44.8	44.5	43.2
Exports of services ¹	279.0	285.1	288.2	281.9	288.6	292.6	297.7	299.7
Transfers under U.S. military agency sales contracts	16.8	16.3	17.3	15.1	15.1	16.5	16.0	16.5
Travel	73.3	71.3	73.0	68.6	71.8	72.6	73.5	73.0
Passenger fares	20.8	20.0	20.7	20.2	19.4	20.0	21.0	21.3
Other transportation	27.0	25.5	25.1	25.4	26.3	26.0	26.9	27.6
Royalties and license fees	33.8	36.8	36.0	36.1	39.6	37.3	37.6	37.4
Other private services	85.6	92.1	93.2	93.1	93.0	96.4	98.6	99.3
Other	21.8	23.1	22.9	23.4	23.5	23.8	24.2	24.5
Imports of goods and services	1,056.3	1,115.9	1,114.0	1,114.8	1,143.1	1,168.5	1,224.0	1,286.6
Imports of goods ¹	885.1	930.4	928.9	927.2	952.6	974.3	1,022.3	1,079.3
Foods, feeds, and beverages	39.7	41.2	41.3	41.3	41.6	41.7	43.8	44.2
Industrial supplies and materials, except petroleum and products	135.4	142.6	145.0	144.3	140.3	140.0	143.8	151.6
Durable goods	69.2	75.8	77.4	77.2	75.1	75.0	77.8	80.1
Nondurable goods	66.2	66.8	67.6	67.1	65.2	65.0	66.1	71.5
Petroleum and products	71.8	50.9	53.6	49.8	45.8	42.4	63.7	78.3
Capital goods, except automotive	253.3	269.6	269.2	268.2	274.2	279.1	291.7	302.2
Civilian aircraft, engines, and parts	16.6	21.8	22.6	22.5	24.2	22.2	22.6	24.9
Computers, peripherals, and parts	70.2	72.5	71.7	71.6	74.7	77.6	82.0	82.5
Other	166.5	175.3	174.9	174.1	175.3	179.3	187.1	194.7
Automotive vehicles, engines, and parts	139.8	149.1	145.4	144.3	161.2	171.6	175.1	186.2
Consumer goods, except automotive	193.9	216.7	217.1	219.0	221.1	229.2	232.8	243.0
Durable goods	99.4	111.5	111.7	112.2	114.7	115.8	121.5	127.2
Nondurable goods	94.5	105.2	105.5	106.8	106.4	113.5	111.4	115.8
Other	51.2	60.4	57.3	60.3	68.5	70.3	71.4	73.7
Imports of services ¹	171.2	185.5	185.1	187.7	190.4	194.2	201.7	207.4
Direct defense expenditures	11.7	12.8	12.2	13.1	13.6	14.0	14.4	15.4
Travel	52.1	56.1	56.7	56.3	56.5	59.4	60.0	60.9
Passenger fares	18.1	19.8	19.8	20.3	20.5	20.5	21.3	21.8
Other transportation	29.0	30.5	30.4	30.8	31.4	30.9	33.2	36.1
Royalties and license fees	9.4	11.3	10.8	10.9	11.7	12.7	13.0	11.9
Other private services	43.9	47.7	48.1	48.7	49.1	49.3	52.2	53.3
Other	7.0	7.4	7.2	7.6	7.6	7.4	7.7	7.9
Addenda:								
Exports of agricultural goods ²	58.4	53.1	52.8	49.2	54.3	47.3	49.0	51.8
Exports of nonagricultural goods	630.5	628.2	619.0	618.0	638.9	627.0	631.4	657.0
Imports of nonpetroleum goods	813.3	879.5	875.3	877.3	906.8	931.9	958.7	1,001.0

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.

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

Table 4.4.—Real Exports and Imports of Goods and Services by Type of Product

[Billions of chained (1996) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Exports of goods and services	985.4	1,007.1	997.2	993.0	1,030.8	1,016.4	1,026.4	1,054.8
Exports of goods ¹	708.1	722.8	709.3	712.0	744.2	726.4	734.1	763.3
Foods, feeds, and beverages	55.6	55.1	54.1	51.4	57.8	52.9	56.1	59.1
Industrial supplies and materials	153.2	151.5	150.5	149.0	152.3	147.1	150.1	152.7
Durable goods	55.6	56.5	56.0	55.0	56.3	55.9	57.0	58.2
Nondurable goods	97.6	95.1	94.4	94.0	96.0	91.1	93.1	94.4
Capital goods, except automotive	311.1	324.5	313.9	325.1	337.2	329.6	328.4	352.1
Civilian aircraft, engines, and parts	40.0	51.1	44.4	53.7	60.4	53.2	45.6	50.3
Computers, peripherals, and parts	57.4	59.9	58.4	61.0	63.1	62.6	67.1	71.4
Other	213.8	212.7	210.9	209.5	212.3	213.4	217.5	231.9
Automotive vehicles, engines, and parts	73.4	72.5	71.9	67.6	73.9	70.5	74.0	74.8
Consumer goods, except automotive	76.8	78.7	78.5	79.8	78.8	79.3	78.9	80.3
Durable goods	39.4	40.2	40.0	41.0	40.2	39.5	40.5	41.4
Nondurable goods	37.4	38.4	38.5	38.8	38.6	39.8	38.4	38.8
Other	38.2	40.9	40.4	39.4	44.9	46.9	46.8	45.3
Exports of services ¹	277.5	284.4	287.7	281.1	287.0	289.9	292.2	292.2
Transfers under U.S. military agency sales contracts	17.1	17.1	18.0	16.0	16.1	16.5	16.1	16.5
Travel	71.9	69.4	71.2	66.6	69.5	70.7	70.6	70.1
Passenger fares	21.5	20.9	22.0	21.5	19.6	19.7	20.7	20.6
Other transportation	26.9	26.4	25.8	26.1	27.4	27.7	27.7	27.7
Royalties and license fees	33.2	36.0	35.2	35.3	38.6	36.3	36.3	36.0
Other private services	84.9	91.4	92.4	92.3	92.1	95.0	96.7	97.2
Other	21.9	23.2	23.1	23.4	23.7	23.9	24.1	24.0
Residual	-4	.3	.5	.4	.3	.8	-1.9	-2.9
Imports of goods and services	1,095.2	1,222.2	1,215.6	1,231.0	1,263.1	1,300.9	1,345.4	1,393.0
Imports of goods ¹	923.2	1,031.6	1,025.5	1,037.9	1,069.7	1,102.0	1,142.5	1,188.9
Foods, feeds, and beverages	39.3	42.2	41.9	42.6	42.8	43.7	46.0	47.2
Industrial supplies and materials, except petroleum and products	135.6	150.2	151.2	153.3	151.1	151.1	154.5	159.0
Durable goods	68.0	78.2	78.9	80.2	79.6	78.7	80.7	81.2
Nondurable goods	67.6	71.9	72.3	73.0	71.4	72.3	73.7	77.8
Petroleum and products	76.1	81.4	84.4	84.9	79.2	80.6	85.3	82.7
Capital goods, except automotive	286.0	328.3	326.3	330.3	339.6	347.5	370.5	390.0
Civilian aircraft, engines, and parts	16.0	20.7	21.4	21.3	22.8	20.7	21.0	23.2
Computers, peripherals, and parts	81.2	101.3	99.0	101.7	110.5	117.7	130.8	136.9
Other	188.9	206.7	205.7	207.3	207.3	211.7	223.0	234.0
Automotive vehicles, engines, and parts	139.5	148.6	144.8	144.3	160.7	170.4	173.4	184.1
Consumer goods, except automotive	196.3	222.3	222.7	225.5	227.3	235.7	240.8	251.6
Durable goods	101.7	117.1	117.0	118.6	121.0	122.3	129.1	135.5
Nondurable goods	94.6	105.3	105.7	107.0	106.4	113.4	111.9	116.3
Other	51.5	60.4	57.5	60.1	68.1	70.7	72.2	74.3
Imports of services ¹	172.1	190.7	190.1	193.1	193.8	199.4	203.7	205.5
Direct defense expenditures	12.8	14.4	14.1	14.6	14.5	15.4	16.2	17.0
Travel	52.2	58.7	58.9	59.4	58.2	62.5	63.1	62.7
Passenger fares	17.1	18.5	18.6	18.9	19.0	19.0	19.3	19.4
Other transportation	29.6	31.7	31.7	31.8	32.3	32.0	31.5	32.1
Royalties and license fees	9.2	11.0	10.5	10.6	11.4	12.3	12.5	11.4
Other private services	44.2	49.1	49.3	50.3	51.0	50.9	53.6	55.4
Other	7.0	7.3	7.1	7.6	7.5	7.4	7.6	7.7
Residual	-1.3	-2.3	-3.2	-3.2	-6	-8	-5.5	-5.9
Addenda:								
Exports of agricultural goods ²	62.6	62.6	61.4	58.7	66.3	58.8	62.7	66.6
Exports of nonagricultural goods	645.4	659.9	647.6	652.7	677.9	666.7	671.1	696.6
Imports of nonpetroleum goods	847.0	949.4	941.6	953.3	987.7	1,018.2	1,054.4	1,102.9

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 the detail for exports is the difference between the aggregate "exports of goods and services" and the sum of the detailed lines for exports of goods and exports of services. The residual line following the detail for imports is the difference between the aggregate "imports of goods and services" and the sum of the detailed lines for imports of goods and imports of services.

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Gross saving	1,521.3	1,646.0	1,611.4	1,664.1	1,685.4	1,727.8	1,709.5	1,735.6
Gross private saving	1,362.0	1,371.2	1,352.2	1,367.7	1,382.3	1,389.4	1,359.3	1,355.7
Personal saving	271.1	229.7	217.5	224.8	227.5	195.1	168.0	139.5
Undistributed corporate profits with inventory valuation and capital consumption adjustments	265.9	257.2	259.5	251.1	246.5	277.6	259.5	252.4
Undistributed profits	223.9	193.1	203.6	187.4	178.8	213.7	219.9	227.0
Inventory valuation adjustment	7.4	20.9	13.6	19.8	20.8	13.3	-13.6	-26.7
Capital consumption adjustment	34.6	43.3	42.4	43.9	46.9	50.6	53.2	52.1
Corporate consumption of fixed capital	579.4	619.2	612.6	625.0	637.1	645.8	657.2	676.5
Noncorporate consumption of fixed capital	249.8	261.5	259.1	263.3	267.7	271.0	274.6	287.2
Wage accruals less disbursements	-4.1	3.5	3.5	3.5	3.5	0	0	0
Gross government saving	159.3	274.8	259.2	296.4	303.0	338.3	350.2	379.9
Federal	37.7	134.3	130.5	147.1	147.8	187.2	208.3	225.1
Consumption of fixed capital	86.6	87.4	87.0	87.5	88.1	89.6	90.2	91.2
Current surplus or deficit (-), national income and product accounts	-48.8	46.9	43.5	59.6	59.7	97.6	118.1	133.8
State and local	121.5	140.5	128.7	149.3	155.2	151.1	141.9	154.8
Consumption of fixed capital	94.0	98.8	97.8	99.4	101.1	102.4	104.3	106.0
Current surplus or deficit (-), national income and product accounts	27.5	41.7	30.9	49.9	54.2	48.7	37.6	48.9
Gross investment	1,518.1	1,598.4	1,569.9	1,576.2	1,623.0	1,628.4	1,574.0	1,594.4
Gross private domestic investment	1,383.7	1,531.2	1,495.0	1,535.3	1,580.3	1,594.3	1,585.4	1,635.0
Gross government investment	258.1	268.7	266.3	273.5	272.6	289.8	292.2	295.7
Net foreign investment	-123.7	-201.5	-191.4	-232.6	-229.9	-255.7	-303.7	-336.3
Statistical discrepancy	-3.2	-47.6	-41.5	-87.9	-62.4	-99.4	-135.5	-141.2
Addendum:								
Gross saving as a percentage of gross national product	18.3	18.8	18.6	19.0	18.9	19.1	18.7	18.7

Table 5.4.—Private Fixed Investment by Type

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Private fixed investment	1,315.4	1,460.0	1,454.2	1,461.7	1,508.9	1,543.3	1,567.8	1,594.2
Nonresidential	986.1	1,091.3	1,090.8	1,087.2	1,121.4	1,139.9	1,155.4	1,181.6
Structures	254.1	272.8	274.0	271.7	278.0	274.7	272.5	272.1
Nonresidential buildings, including farm	180.9	197.0	196.1	197.5	203.3	204.0	199.8	197.5
Utilities	36.5	39.2	38.9	39.2	40.1	39.2	39.1	39.9
Mining exploration, shafts, and wells	30.0	30.0	32.1	28.8	28.0	25.2	26.0	28.0
Other structures	6.7	6.5	6.9	6.3	6.6	6.4	7.6	6.8
Equipment and software	732.1	818.5	816.8	815.4	843.4	865.2	882.9	909.5
Information processing equipment and software	315.4	356.9	353.3	361.0	369.7	382.3	401.7	416.8
Computers and peripheral equipment ¹	76.7	88.5	88.6	89.1	90.5	92.3	96.4	100.8
Software ²	106.6	123.4	120.7	126.2	131.2	135.5	140.7	145.8
Other	132.1	144.9	144.1	145.8	148.0	154.5	164.6	170.2
Industrial equipment	142.3	150.2	149.7	150.9	151.4	147.9	149.3	153.0
Transportation equipment	150.9	176.0	177.2	164.9	187.0	193.1	193.6	204.9
Other	123.5	135.5	136.5	138.6	135.3	142.0	138.3	134.7
Residential	329.2	368.7	363.4	374.5	387.5	403.4	412.4	412.7
Structures	321.3	360.4	355.1	366.1	379.1	394.6	403.6	403.6
Single family	164.4	189.5	185.5	194.0	202.2	211.8	213.7	211.7
Multifamily	22.9	24.5	23.9	24.1	24.8	27.7	27.5	27.8
Other structures	134.0	146.5	145.8	148.0	152.1	155.1	162.4	164.1
Equipment	7.9	8.3	8.3	8.4	8.5	8.7	8.9	9.0

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Private fixed investment	1,316.0	1,471.8	1,466.7	1,474.0	1,522.5	1,555.9	1,581.0	1,607.3
Nonresidential	995.7	1,122.5	1,120.2	1,120.3	1,160.8	1,182.7	1,202.9	1,234.3
Structures	244.0	254.1	256.4	252.1	255.7	251.9	248.5	246.1
Nonresidential buildings, including farm	175.3	184.6	184.9	184.2	187.4	186.6	181.2	177.2
Utilities	35.7	38.0	37.7	37.9	38.7	38.1	38.0	38.5
Mining exploration, shafts, and wells	26.4	25.4	27.1	24.2	23.6	21.6	22.6	24.3
Other structures	6.5	6.2	6.6	5.9	6.2	6.0	7.1	6.3
Equipment and software	751.9	870.6	865.5	870.6	908.5	935.7	960.9	996.6
Information processing equipment and software	339.4	418.5	409.4	427.4	448.5	470.4	501.0	526.0
Computers and peripheral equipment ¹	99.0	154.2	146.9	160.4	178.3	193.4	212.9	233.5
Software ²	109.4	129.2	126.2	131.9	137.8	141.6	147.0	152.0
Other	132.7	147.1	146.3	148.3	150.9	157.8	168.4	174.7
Industrial equipment	141.3	148.1	147.9	148.7	148.9	145.0	146.6	150.0
Transportation equipment	149.6	175.3	177.0	164.2	185.8	190.8	191.6	204.0
Other	122.2	132.3	133.8	135.1	131.0	137.0	133.3	130.1
Residential	320.6	350.2	347.4	354.2	362.6	373.7	378.8	375.1
Structures	312.7	341.8	339.0	345.8	354.0	364.8	369.7	365.9
Single family	159.8	180.3	177.8	184.0	189.3	195.8	195.8	191.7
Multifamily	21.9	21.8	21.6	21.2	21.1	23.3	22.9	22.9
Other structures	131.0	139.8	139.7	140.7	143.7	145.7	151.1	151.5
Equipment	7.9	8.4	8.4	8.4	8.5	8.9	9.1	9.2
Residual	-2.7	-18.9	-15.2	-21.1	-28.7	-35.7	-46.6	-58.6

1. Includes new computers and peripheral equipment only.

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 5.10.—Change in Private Inventories by Industry Group

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Change in private inventories	68.3	71.2	40.8	73.7	71.4	51.0	17.6	40.8
Farm	2.8	.3	-10.8	-1.1	15.2	10.1	4.8	.7
Nonfarm	65.6	70.9	51.6	74.7	56.2	40.9	12.8	40.1
Change in book value ¹	54.4	45.7	36.6	49.7	33.7	22.8	32.1	73.7
Inventory valuation adjustment ²	11.1	25.2	15.0	25.0	22.5	18.2	-19.3	-33.6
Manufacturing	22.0	24.1	27.0	21.2	11.5	0	-7.8	1.6
Durable goods	14.1	16.4	21.5	12.8	6.5	1.7	-6.2	1.6
Nondurable goods	7.9	7.8	5.5	8.4	5.1	-1.7	-1.6	0
Wholesale trade	24.0	22.4	13.3	32.3	16.3	8.8	10.7	24.2
Durable goods	15.0	16.0	6.2	18.2	15.2	11.3	10.5	10.6
Nondurable goods	9.1	6.4	7.1	14.1	1.1	-2.6	.2	13.6
Merchant wholesalers	21.5	19.6	10.4	29.1	13.9	7.5	8.3	22.0
Durable goods	13.4	14.0	4.3	16.1	13.6	9.8	7.0	9.6
Nondurable goods	8.1	5.7	6.1	13.0	.2	-2.3	1.3	12.4
Nonmerchant wholesalers	2.6	2.8	2.9	3.2	2.4	1.3	2.4	2.2
Durable goods	1.6	2.1	1.9	2.1	1.6	1.5	3.5	1.0
Nondurable goods	1.0	.7	1.0	1.1	.9	-2	-1.1	1.2
Retail trade	10.7	11.1	-3.1	10.9	15.6	17.5	5.9	14.3
Durable goods	5.9	5.3	-8.3	7.7	16.0	9.4	4.0	11.7
Motor vehicle dealers ³	4.2	1.3	-7.3	4.2	7.6	3.1	0	9.2
Other ³	1.7	4.0	-1.0	3.4	8.4	6.3	4.0	2.6
Nondurable goods	4.9	5.8	5.2	3.3	-4	8.1	1.9	2.6
Other	8.8	13.2	14.4	10.3	12.8	14.7	4.0	0
Durable goods .....	.7	1.3	1.6	1.1	1.0	1.7	-2.0	-1.0
Nondurable goods	8.2	12.0	12.8	9.2	11.8	13.0	6.0	1.0

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.

3. Inventories of auto and home supply stores are included in "other durable goods."

Table 5.11.—Real Change in Private Inventories by Industry Group

[Billions of chained (1996) dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Change in private inventories	69.1	74.3	43.1	76.1	70.7	50.1	14.0	38.0
Farm	3.0	.9	-10.4	-2.1	12.8	7.4	.9	-3.8
Nonfarm	66.2	73.2	53.2	77.5	58.2	43.1	13.1	41.2
Manufacturing	22.1	25.1	27.9	22.2	12.0	0	-8.3	1.7
Durable goods	14.2	16.9	22.2	13.4	6.8	1.8	-6.6	1.8
Nondurable goods	8.0	8.1	5.7	8.8	5.3	-1.8	-1.7	0
Wholesale trade	24.4	23.4	14.0	33.8	17.2	9.5	11.1	25.1
Durable goods	15.0	16.3	6.2	18.6	15.5	11.8	11.0	11.1
Nondurable goods	9.3	7.1	7.8	15.3	1.4	-2.4	.1	14.0
Merchant wholesalers	21.8	20.4	10.9	30.4	14.6	8.2	8.6	22.8
Durable goods	13.5	14.2	4.3	16.5	13.9	10.2	7.3	10.0
Nondurable goods	8.4	6.2	6.7	14.0	.5	-2.1	1.3	12.8
Nonmerchant wholesalers	2.5	3.0	3.1	3.4	2.6	1.4	2.5	2.3
Durable goods	1.6	2.1	1.9	2.1	1.6	1.6	3.7	1.1
Nondurable goods	1.0	.9	1.1	1.3	1.0	-3	-1.2	1.2
Retail trade	10.8	11.1	-3.1	11.0	15.5	17.5	5.9	14.1
Durable goods	5.9	5.3	-8.4	7.7	16.0	9.5	4.0	11.8
Motor vehicle dealers ¹	4.3	1.3	-7.5	4.3	7.6	3.1	0	9.3
Other ¹	1.7	4.0	-1.0	3.4	8.4	6.3	4.0	2.5
Nondurable goods	4.8	5.8	5.2	3.3	-3	8.0	1.9	2.5
Other	8.9	13.9	15.0	10.8	13.6	15.7	4.1	.1
Durable goods .....	.7	1.2	1.6	1.1	1.0	1.7	-2.0	-1.0
Nondurable goods	8.3	12.6	13.4	9.7	12.6	14.0	6.3	1.1
Residual	-4	.1	-1	.3	-5	.2	.1	.5

1. Inventories of auto and home supply stores are included in "other durable goods."

NOTE.—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 5.12.—Private Inventories and Domestic Final Sales of Business by Industry Group
[Billions of dollars]

	Seasonally adjusted quarterly totals					
	1998			1999		
	II	III	IV	I	II	III
Private inventories¹	1,322.4	1,326.6	1,334.5	1,345.7	1,360.1	1,386.1
Farm	100.6	92.3	92.4	99.3	98.9	96.7
Nonfarm	1,221.8	1,234.3	1,242.1	1,246.4	1,261.3	1,289.4
Durable goods	682.1	689.1	694.0	692.8	697.8	707.9
Nondurable goods	539.7	545.2	548.1	553.5	563.5	581.4
Manufacturing	452.0	453.9	450.5	448.2	451.1	458.3
Durable goods	282.2	282.8	280.3	279.2	279.4	282.5
Nondurable goods	169.8	171.0	170.2	169.0	171.6	175.8
Wholesale trade	332.0	338.1	341.8	340.9	345.1	355.6
Durable goods	212.6	216.0	218.9	217.9	220.9	224.1
Nondurable goods	119.4	122.1	122.9	123.1	124.3	131.6
Merchant wholesalers	287.5	293.0	296.6	295.4	298.2	307.0
Durable goods	185.1	188.2	190.8	189.9	192.0	194.9
Nondurable goods	102.3	104.9	105.8	105.4	106.2	112.1
Nonmerchant wholesalers	44.5	45.0	45.3	45.5	46.9	48.6
Durable goods	27.5	27.9	28.1	27.9	28.8	29.2
Nondurable goods	17.1	17.2	17.1	17.6	18.1	19.5
Retail trade	335.9	339.4	344.0	347.3	351.1	358.1
Durable goods	179.6	182.3	186.6	187.1	189.2	193.5
Motor vehicle dealers ²	91.8	93.6	95.8	95.3	95.8	99.6
Other ²	87.9	88.6	90.9	91.8	93.4	93.8
Nondurable goods	156.2	157.1	157.4	160.2	161.9	164.7
Other	101.9	103.0	105.7	109.9	113.9	117.3
Durable goods	7.6	7.9	8.1	8.6	8.3	7.9
Nondurable goods	94.2	95.1	97.6	101.3	105.7	109.4
Final sales of domestic business ³	607.7	613.2	624.7	634.8	642.6	651.8
Final sales of goods and structures of domestic business ³	333.1	335.3	344.0	350.1	353.6	357.8
Ratio of private inventories to final sales of domestic business						
Private inventories to final sales	2.18	2.16	2.14	2.12	2.12	2.13
Nonfarm inventories to final sales	2.01	2.01	1.99	1.96	1.96	1.98
Nonfarm inventories to final sales of goods and structures	3.67	3.68	3.61	3.56	3.57	3.60

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. Inventories of auto and home supply stores are included in "other durable goods."

3. 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.

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

	Seasonally adjusted quarterly totals					
	1998			1999		
	II	III	IV	I	II	III
Private inventories¹	1,358.6	1,377.6	1,395.3	1,407.8	1,411.3	1,420.8
Farm	104.9	104.4	107.6	109.4	109.7	108.7
Nonfarm	1,253.5	1,272.9	1,287.4	1,298.2	1,301.4	1,311.7
Durable goods	696.1	706.3	716.2	722.5	724.1	730.0
Nondurable goods	557.4	566.6	571.2	575.7	577.3	581.7
Manufacturing	468.6	474.2	477.2	477.2	475.1	475.5
Durable goods	291.2	294.6	296.2	296.7	295.1	295.5
Nondurable goods	177.4	179.6	180.9	180.5	180.0	180.0
Wholesale trade	342.7	351.2	355.4	357.8	360.6	366.9
Durable goods	216.1	220.7	224.6	227.6	230.3	233.1
Nondurable goods	126.6	130.4	130.8	130.2	130.2	133.7
Merchant wholesalers	296.4	304.0	307.6	309.7	311.8	317.5
Durable goods	188.1	192.2	195.7	198.3	200.1	202.6
Nondurable goods	108.2	111.8	111.9	111.3	111.7	114.9
Nonmerchant wholesalers	46.3	47.2	47.8	48.1	48.8	49.4
Durable goods	28.0	28.5	28.9	29.3	30.2	30.5
Nondurable goods	18.4	18.7	18.9	18.8	18.6	18.9
Retail trade	336.2	339.0	342.9	347.2	348.7	352.2
Durable goods	181.4	183.3	187.3	189.7	190.7	193.6
Motor vehicle dealers ²	94.0	95.1	97.0	97.8	97.8	100.1
Other ²	87.4	88.2	90.3	91.9	92.9	93.5
Nondurable goods	154.8	155.6	155.5	157.5	158.0	158.6
Other	106.2	108.9	112.3	116.2	117.2	117.2
Durable goods	7.5	7.8	8.1	8.5	8.0	7.7
Nondurable goods	98.6	101.0	104.2	107.7	109.3	109.5
Residual	.1	.1	.1	.1	-.1	.3
Final sales of domestic business ³	593.3	597.0	607.4	615.0	620.7	628.3
Final sales of goods and structures of domestic business ³	330.8	332.5	341.4	346.7	349.3	353.3
Ratio of private inventories to final sales of domestic business						
Private inventories to final sales	2.29	2.31	2.30	2.29	2.27	2.26
Nonfarm inventories to final sales	2.11	2.13	2.12	2.11	2.10	2.09
Nonfarm inventories to final sales of goods and structures	3.79	3.83	3.77	3.74	3.73	3.71

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. Inventories of auto and home supply stores are included in "other durable goods."

3. 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.—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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
National income without capital consumption adjustment	6,613.4	7,004.4	6,945.7	7,054.5	7,159.6	7,297.4	7,383.3	7,488.9
Domestic industries	6,609.2	7,014.3	6,945.7	7,080.1	7,176.7	7,311.9	7,397.6	7,504.4
Private industries	5,731.7	6,104.4	6,040.4	6,165.5	6,253.4	6,373.9	6,453.1	6,549.4
Agriculture, forestry, and fishing	101.9	102.5	95.2	100.4	121.7	113.8	116.8	105.2
Mining	58.6	54.7	54.9	53.5	51.7	49.9	49.2	51.4
Construction	314.2	342.0	337.9	345.4	355.2	364.1	371.0	375.2
Manufacturing	1,124.3	1,155.9	1,153.4	1,165.4	1,157.7	1,171.4	1,178.8	1,191.0
Durable goods	654.0	689.0	682.3	694.1	703.2	699.0	706.5	711.7
Nondurable goods	470.3	466.9	471.1	471.3	454.5	472.4	472.3	479.3
Transportation and public utilities	497.5	526.2	517.5	532.7	534.6	545.1	543.9	561.6
Transportation	208.4	222.3	219.8	224.5	227.5	228.8	229.0	234.5
Communications	157.1	166.9	163.6	169.0	167.6	174.7	176.0	181.0
Electric, gas, and sanitary services	132.0	137.0	134.1	139.2	139.4	141.7	138.9	146.1
Wholesale trade	382.2	410.2	409.8	416.7	414.2	423.5	429.5	432.5
Retail trade	545.7	580.8	576.7	584.9	591.5	609.8	618.6	618.8
Finance, insurance, and real estate	1,186.4	1,274.3	1,260.9	1,288.1	1,311.0	1,348.3	1,361.5	1,392.0
Services	1,520.9	1,657.8	1,634.1	1,678.3	1,715.8	1,748.0	1,783.8	1,821.8
Government	877.5	909.9	905.3	914.6	923.3	938.0	944.5	955.0
Rest of the world	4.3	-9.9	0	-25.6	-17.1	-14.4	-14.3	-15.5

NOTE.— Estimates in this table are based on the 1987 Standard Industrial Classification.

Table 6.16C.—Corporate Profits by Industry Group

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Corporate profits with inventory valuation and capital consumption adjustments	837.9	846.1	847.9	843.8	834.3	882.0	875.5	879.2
Domestic industries	729.8	746.0	740.6	757.2	736.0	777.7	772.1	771.1
Financial	167.0	171.0	172.0	168.7	168.0	185.2	177.4	181.8
Nonfinancial	562.8	575.0	568.6	588.5	568.0	592.5	594.7	589.2
Rest of the world	108.1	100.0	107.4	86.6	98.3	104.3	103.3	108.1
Receipts from the rest of the world	159.7	148.4	154.9	137.1	146.8	157.0	164.1	169.5
Less: Payments to the rest of the world	51.6	48.4	47.5	50.5	48.5	52.7	60.8	61.4
Corporate profits with inventory valuation adjustment	803.2	802.8	805.6	799.9	787.4	831.4	822.2	827.1
Domestic industries	695.1	702.8	698.2	713.2	689.1	727.1	718.9	719.0
Financial	184.2	191.3	192.2	189.5	188.6	205.3	198.3	203.9
Federal Reserve banks	23.3	24.6	24.4	24.7	24.7	24.3	24.5	25.5
Other	160.9	166.7	167.8	164.8	163.9	180.9	173.7	178.4
Nonfinancial	510.9	511.5	506.0	523.7	500.6	521.9	520.6	515.1
Manufacturing	185.6	168.4	169.2	171.9	161.7	171.0	167.8	163.1
Durable goods	93.3	95.1	89.7	97.2	106.3	100.5	100.7	94.4
Primary metal industries	5.1	5.4	5.4	5.0	5.0	1.7	1.2	4
Fabricated metal products	16.7	17.3	17.0	19.9	17.0	19.4	19.0	19.4
Industrial machinery and equipment	13.5	14.6	14.6	15.7	19.4	16.6	18.6	17.1
Electronic and other electric equipment	22.1	18.2	16.2	16.9	21.4	20.5	19.6	20.8
Motor vehicles and equipment	4.9	7.5	5.7	6.6	9.8	10.7	10.4	9.5
Other	30.9	32.2	30.9	33.1	33.7	31.6	32.0	27.2
Nondurable goods	92.3	73.3	79.5	74.7	55.5	70.5	67.0	68.7
Food and kindred products	22.1	17.0	20.1	21.3	7.1	17.2	18.6	18.7
Chemicals and allied products	26.0	20.6	18.8	19.0	20.0	25.1	20.8	17.4
Petroleum and coal products	16.0	8.3	11.0	6.8	4.1	-9	-3	3.6
Other	28.2	27.3	29.5	27.5	24.2	29.0	28.0	29.0
Transportation and public utilities	104.7	109.0	105.0	113.0	106.9	111.9	107.9	117.3
Transportation	18.5	19.4	18.9	20.1	19.7	18.3	17.2	17.7
Communications	47.4	49.3	47.8	51.2	46.8	52.2	52.5	56.4
Electric, gas, and sanitary services	38.8	40.2	38.4	41.7	40.5	41.5	38.2	43.2
Wholesale trade	46.8	47.2	50.1	49.7	41.2	43.4	44.3	39.1
Retail trade	63.7	69.8	69.7	69.3	69.0	75.7	75.4	67.7
Other	110.1	117.1	111.9	119.9	121.7	119.8	125.2	127.9
Rest of the world	108.1	100.0	107.4	86.6	98.3	104.3	103.3	108.1

NOTE.— Estimates in this table are based on the 1987 Standard Industrial Classification.

7. Quantity and Price Indexes

Table 7.1.—Quantity and Price Indexes for Gross Domestic Product

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted							1997	1998	Seasonally adjusted					
			1998			1999						1998			1999		
			II	III	IV	I	II	III				II	III	IV	I	II	III
Gross domestic product:									Exports of goods and services:								
Current dollars	106.24	112.12	111.14	112.60	114.52	116.12	117.06	119.00	Current dollars	110.73	110.54	109.83	108.57	112.32	110.61	111.90	115.36
Chain-type quantity index	104.50	109.00	108.24	109.25	110.83	111.84	112.36	113.92	Chain-type quantity index	112.73	115.21	114.07	113.60	117.92	116.27	117.41	120.66
Chain-type price index	101.66	102.86	102.70	103.06	103.28	103.79	104.13	104.41	Chain-type price index	98.23	95.95	96.27	95.57	95.25	95.13	95.30	95.61
Implicit price deflator	101.66	102.86	102.68	103.07	103.33	103.83	104.19	104.46	Implicit price deflator	98.23	95.95	96.28	95.57	95.25	95.13	95.30	95.61
Personal consumption expenditures:									Exports of goods:								
Current dollars	105.48	111.67	111.05	112.45	114.06	116.29	118.39	120.36	Current dollars	111.41	110.17	108.64	107.89	112.11	109.04	110.04	114.61
Chain-type quantity index	103.75	108.80	108.36	109.42	110.66	112.43	113.83	115.19	Chain-type quantity index	114.51	116.89	114.69	115.14	120.35	117.46	118.71	123.43
Chain-type price index	101.67	102.63	102.48	102.78	103.08	103.44	104.01	104.49	Chain-type price index	97.29	94.25	94.71	93.70	93.15	92.83	92.69	92.85
Implicit price deflator	101.67	102.63	102.48	102.77	103.07	103.44	104.01	104.48	Implicit price deflator	97.29	94.25	94.72	93.70	93.15	92.83	92.69	92.85
Durable goods:									Exports of services:								
Current dollars	104.28	113.26	112.56	113.05	117.25	119.88	121.92	123.58	Current dollars	109.10	111.46	112.70	110.23	112.83	114.41	116.39	117.18
Chain-type quantity index	106.63	118.66	117.42	118.62	124.26	127.95	130.76	133.21	Chain-type quantity index	108.49	111.19	112.48	109.93	112.22	113.35	114.24	114.26
Chain-type price index	97.79	95.45	95.83	95.29	94.34	93.67	93.22	92.75	Chain-type price index	100.56	100.24	100.20	100.27	100.55	100.94	101.88	102.56
Implicit price deflator	97.79	95.45	95.85	95.31	94.36	93.69	93.24	92.77	Implicit price deflator	100.56	100.24	100.20	100.27	100.55	100.94	101.88	102.56
Nondurable goods:									Imports of goods and services:								
Current dollars	104.30	108.56	108.08	109.05	110.73	113.58	115.93	117.78	Current dollars	109.67	115.86	115.67	115.75	118.68	121.32	127.09	133.59
Chain-type quantity index	102.92	107.07	106.85	107.49	108.80	111.15	112.05	113.04	Chain-type quantity index	113.72	126.89	126.21	127.81	131.14	135.07	139.69	144.63
Chain-type price index	101.35	101.40	101.15	101.46	101.78	102.19	103.47	104.20	Chain-type price index	96.45	91.31	91.63	90.55	90.48	89.81	90.96	92.35
Implicit price deflator	101.35	101.40	101.15	101.45	101.77	102.19	103.47	104.19	Implicit price deflator	96.45	91.31	91.65	90.56	90.50	89.82	90.98	92.36
Services:									Imports of goods:								
Current dollars	106.33	112.95	112.28	114.08	115.13	116.97	118.95	121.04	Current dollars	109.50	115.10	114.92	114.70	117.85	120.53	126.47	133.51
Chain-type quantity index	103.60	107.80	107.39	108.62	109.03	110.16	111.56	112.92	Chain-type quantity index	114.21	127.62	126.87	128.40	132.33	136.33	141.34	147.08
Chain-type price index	102.63	104.78	104.56	105.04	105.60	106.19	106.63	107.19	Chain-type price index	95.88	90.19	90.55	89.30	89.03	88.38	89.46	90.75
Implicit price deflator	102.63	104.78	104.55	105.03	105.60	106.18	106.62	107.19	Implicit price deflator	95.88	90.19	90.58	89.33	89.06	88.41	89.48	90.78
Gross private domestic investment:									Imports of services:								
Current dollars	111.35	123.22	120.30	123.55	127.17	128.30	127.58	131.57	Current dollars	110.60	119.86	119.58	121.24	123.03	125.48	130.28	133.97
Chain-type quantity index	111.51	124.52	121.76	124.82	128.26	129.41	128.74	132.90	Chain-type quantity index	111.19	123.21	122.83	124.75	125.24	128.81	131.58	132.74
Chain-type price index	99.84	98.96	98.93	98.89	98.85	98.87	98.78	98.70	Chain-type price index	99.47	97.29	97.36	97.21	98.26	97.43	99.03	100.95
Implicit price deflator	99.85	98.95	98.80	98.98	99.14	99.14	99.10	99.00									

NOTE.—Chain-type quantity and price indexes are calculated from weighted averages of the detailed output and prices used to prepare each aggregate and component. Implicit price deflators are weighted averages of the detailed price indexes used to prepare each aggregate and component and are calculated as the ratio of current- to chained-dollar output multiplied by 100.

Percent changes from preceding period for 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.

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

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product:								
Current dollars	106.24	112.12	111.14	112.60	114.52	116.12	117.06	119.00
Chain-type quantity index	104.50	109.00	108.24	109.25	110.83	111.84	112.36	113.92
Chain-type price index	101.66	102.86	102.70	103.06	103.28	103.79	104.13	104.41
Implicit price deflator	101.66	102.86	102.68	103.07	103.33	103.83	104.19	104.46
Final sales of domestic product:								
Current dollars	105.77	111.63	111.05	112.09	114.04	115.91	117.29	118.94
Chain-type quantity index	104.02	108.46	108.06	108.69	110.34	111.59	112.52	113.78
Chain-type price index	101.69	102.93	102.77	103.13	103.36	103.88	104.24	104.54
Implicit price deflator	101.69	102.93	102.76	103.13	103.35	103.87	104.23	104.53
Gross domestic purchases:								
Current dollars	106.16	112.75	111.84	113.43	115.27	117.36	118.85	121.18
Chain-type quantity index	104.71	110.39	109.68	110.91	112.39	113.99	114.88	116.64
Chain-type price index	101.39	102.14	101.99	102.26	102.51	102.92	103.40	103.85
Implicit price deflator	101.39	102.14	101.97	102.28	102.56	102.96	103.46	103.90
Final sales to domestic purchasers:								
Current dollars	105.70	112.27	111.75	112.93	114.80	117.16	119.08	121.13
Chain-type quantity index	104.22	109.86	109.51	110.36	111.92	113.75	115.06	116.52
Chain-type price index	101.42	102.20	102.05	102.33	102.58	103.00	103.50	103.96
Implicit price deflator	101.42	102.20	102.05	102.33	102.57	103.00	103.50	103.96
Addenda:								
Final sales of computers ¹ :								
Current dollars	106.33	117.75	117.75	119.86	119.78	117.92	123.76	130.61
Chain-type quantity index	145.39	223.72	207.83	239.90	262.98	281.68	308.67	343.43
Chain-type price index	73.14	52.63	55.79	49.13	44.74	41.13	39.39	37.36
Implicit price deflator	73.14	52.63	56.66	49.96	45.55	41.86	40.10	38.03
Gross domestic product less final sales of computers:								
Current dollars	106.24	112.06	111.08	112.53	114.47	116.10	116.99	118.88
Chain-type quantity index	104.15	108.17	107.49	108.33	109.80	110.73	111.15	112.58
Chain-type price index	102.01	103.60	103.36	103.86	104.20	104.81	105.21	105.55
Implicit price deflator	102.01	103.60	103.33	103.88	104.25	104.85	105.26	105.60
Gross domestic purchases less final sales of computers:								
Current dollars	106.14	112.61	111.69	113.28	115.11	117.20	118.62	120.92
Chain-type quantity index	104.29	109.35	108.72	109.79	111.11	112.56	113.29	114.90
Chain-type price index	101.77	102.98	102.76	103.18	103.56	104.08	104.65	105.19
Implicit price deflator	101.77	102.98	102.73	103.19	103.60	104.12	104.71	105.24
Chain-type price indexes for gross domestic purchases:								
Food	102.07	103.71	103.31	103.88	104.55	105.11	105.37	105.92
Energy goods and services	100.72	92.35	93.11	91.46	89.82	89.11	94.67	98.32
Gross domestic purchases less food and energy	101.34	102.40	102.24	102.56	102.84	103.28	103.58	103.88

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]

Gross national product:								
Current dollars	106.05	111.73	110.88	112.02	114.04	115.67	116.61	118.53
Chain-type quantity index	104.31	108.62	107.99	108.68	110.35	111.39	111.91	113.46
Chain-type price index	101.67	102.87	102.71	103.06	103.29	103.79	104.14	104.41
Implicit price deflator	101.67	102.87	102.69	103.07	103.34	103.84	104.19	104.47
Less: Exports of goods and services and income receipts from the rest of the world:								
Chain-type quantity index	112.85	114.86	114.71	112.79	116.46	115.39	117.27	120.70
Plus: Command-basis exports of goods and services and income receipts from the rest of the world:								
Chain-type quantity index	114.84	119.68	119.50	117.92	121.53	121.01	121.93	124.29
Equals: Command-basis gross national product:								
Chain-type quantity index	104.57	109.31	108.67	109.41	111.08	112.20	112.58	113.98

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]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
	Chain-type quantity indexes							
Personal consumption expenditures	103.75	108.80	108.36	109.42	110.66	112.43	113.83	115.19
Durable goods	106.63	118.66	117.42	118.62	124.26	127.95	130.76	133.21
Motor vehicles and parts	102.93	113.87	113.82	111.87	119.94	121.09	123.77	124.68
Furniture and household equipment	110.66	125.55	122.60	127.38	131.96	137.90	141.65	146.06
Other	106.74	115.78	115.11	116.54	118.84	123.99	125.44	127.87
Nondurable goods	102.92	107.07	106.85	107.49	108.80	111.15	112.05	113.04
Food	101.68	104.40	104.11	104.71	106.29	106.82	107.46	108.15
Clothing and shoes	104.84	113.00	113.37	113.01	114.33	121.72	122.52	124.38
Gasoline, fuel oil, and other energy goods	101.10	101.70	101.99	102.44	101.57	102.28	102.98	103.43
Gasoline and oil	101.64	102.83	102.99	103.48	102.87	102.34	102.67	103.25
Fuel oil and coal	96.83	92.82	94.12	94.28	91.44	101.69	105.38	104.76
Other	104.81	110.47	109.89	111.31	112.72	116.12	117.65	118.90
Services	103.60	107.80	107.39	108.62	109.03	110.16	111.56	112.92
Housing	101.81	104.28	104.08	104.59	105.10	105.93	106.54	107.25
Household operation	103.09	108.53	108.65	111.48	108.88	111.57	113.09	114.85
Electricity and gas	99.04	100.69	102.65	106.12	97.61	101.84	102.72	105.17
Other household operation	105.87	113.87	112.78	115.19	116.46	118.16	120.10	121.39
Transportation	105.68	109.34	109.45	109.54	110.23	111.01	112.00	113.16
Medical care	102.04	104.91	104.69	105.15	105.86	106.28	107.06	108.16
Recreation	104.22	109.27	108.10	110.05	111.36	114.29	117.77	121.63
Other	106.67	113.54	112.54	114.87	115.75	116.98	119.44	121.04
Addenda:								
Energy goods and services ¹	100.10	101.23	102.36	104.35	99.57	102.09	102.88	104.30
Personal consumption expenditures less food and energy	104.37	110.11	109.55	110.64	112.16	114.12	115.70	117.20
	Chain-type price indexes							
Personal consumption expenditures	101.67	102.63	102.48	102.78	103.08	103.44	104.01	104.49
Durable goods	97.79	95.45	95.83	95.29	94.34	93.67	93.22	92.75
Motor vehicles and parts	99.74	99.10	98.80	99.60	99.03	98.86	98.93	99.54
Furniture and household equipment	95.17	90.35	91.46	89.61	88.01	86.84	85.56	84.33
Other	98.99	98.27	98.52	97.97	97.66	97.02	97.31	96.29
Nondurable goods	101.35	101.40	101.15	101.46	101.78	102.19	103.47	104.20
Food	102.23	104.01	103.60	104.21	104.83	105.47	105.79	106.35
Clothing and shoes	100.05	98.00	97.93	98.07	97.83	95.89	96.82	95.79
Gasoline, fuel oil, and other energy goods	100.09	88.80	89.63	87.44	85.19	84.06	94.71	100.08
Gasoline and oil	99.99	88.46	89.26	87.03	84.82	83.79	95.44	100.84
Fuel oil and coal	100.89	91.65	92.77	90.99	88.34	86.26	89.13	94.22
Other	100.88	102.85	102.45	103.11	104.07	106.17	106.52	107.31
Services	102.63	104.78	104.56	105.04	105.60	106.19	106.63	107.19
Housing	102.96	106.24	105.72	106.66	107.68	108.22	109.02	109.56
Household operation	101.73	100.74	100.97	100.66	100.55	100.61	100.42	100.67
Electricity and gas	102.24	98.83	99.43	98.49	97.78	97.85	97.87	98.82
Other household operation	101.39	101.90	101.90	101.99	102.24	102.30	101.99	101.82
Transportation	103.55	104.71	104.46	104.94	104.91	105.27	105.88	105.84
Medical care	102.31	104						

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]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
	Chain-type quantity indexes							
Private fixed investment	108.52	121.37	120.95	121.55	125.55	128.30	130.37	132.54
Nonresidential	110.71	124.80	124.54	124.56	129.06	131.49	133.74	137.23
Structures	108.45	112.93	113.98	112.05	113.64	111.96	110.44	109.37
Nonresidential buildings, including farm	108.42	114.18	114.40	113.94	115.95	115.42	112.07	109.64
Utilities	98.98	105.31	104.58	105.09	107.38	105.81	105.42	106.80
Mining exploration, shafts, and wells	125.12	120.22	128.34	114.94	111.86	102.30	106.95	115.42
Other structures	104.37	100.28	106.53	95.89	100.09	96.84	115.18	102.12
Equipment and software	111.48	129.09	128.33	129.09	134.70	138.74	142.47	147.77
Information processing equipment and software	118.13	145.69	142.52	148.79	156.14	163.75	174.39	183.12
Computers and peripheral equipment ¹	139.67	217.67	207.30	226.43	251.60	272.99	300.52	329.49
Software ²	114.98	135.81	132.65	138.65	144.82	148.87	154.54	159.80
Other	109.41	121.33	120.61	122.28	124.40	130.09	138.89	144.05
Industrial equipment	103.53	108.56	108.41	108.99	109.09	106.30	107.42	109.95
Transportation equipment	107.73	126.19	127.40	118.22	133.75	137.34	137.90	146.87
Other	109.32	118.33	119.62	120.78	117.17	122.50	119.19	116.34
Residential	102.35	111.78	110.91	113.07	115.74	119.30	120.91	119.75
Structures	102.33	111.84	110.94	113.14	115.84	119.38	120.96	119.74
Single family	100.41	113.32	111.76	115.64	118.98	123.05	123.02	120.48
Multifamily	107.75	107.06	106.34	104.36	103.85	114.69	112.78	112.55
Other structures	103.87	110.80	110.70	111.50	113.93	115.49	119.77	120.05
Equipment	103.06	109.41	109.36	109.96	111.47	115.80	118.66	120.45
	Chain-type price indexes							
Private fixed investment	99.95	99.20	99.15	99.16	99.11	99.19	99.17	99.19
Nonresidential	99.04	97.22	97.36	97.03	96.60	96.38	96.04	95.72
Structures	104.14	107.37	106.85	107.79	108.73	109.07	109.67	110.58
Nonresidential buildings, including farm	103.22	106.72	106.05	107.23	108.50	109.35	110.29	111.43
Utilities	102.28	103.31	103.14	103.49	103.52	102.85	102.89	103.53
Mining exploration, shafts, and wells	113.80	118.51	118.52	118.70	118.75	116.65	115.19	114.93
Other structures	103.03	105.26	104.81	105.54	105.81	106.01	106.89	107.32
Equipment and software	97.37	94.01	94.34	93.64	92.81	92.44	91.86	91.24
Information processing equipment and software	92.94	85.26	86.18	84.35	82.31	81.17	80.08	79.15
Computers and peripheral equipment ¹	77.51	57.38	59.64	54.92	50.22	47.23	44.82	42.73
Software ²	97.45	95.54	95.60	95.63	95.20	95.64	95.66	95.92
Other	99.55	98.50	98.52	98.31	98.10	97.94	97.71	97.43
Industrial equipment	100.73	101.37	101.23	101.48	101.73	101.94	101.87	102.00
Transportation equipment	100.81	100.38	100.15	100.41	100.65	101.20	101.05	100.43
Other	101.03	102.42	102.05	102.64	103.25	103.66	103.80	103.55
Residential	102.68	105.30	104.64	105.76	106.93	107.97	108.93	110.04
Structures	102.75	105.45	104.78	105.91	107.12	108.20	109.20	110.34
Single family	102.92	105.06	104.29	105.45	106.79	108.19	109.15	110.44
Multifamily	104.50	112.40	110.46	113.61	117.59	118.92	119.98	121.40
Other structures	102.25	104.80	104.41	105.21	105.82	106.44	107.48	108.39
Equipment	99.98	99.54	99.27	99.75	99.28	98.60	97.87	97.96

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]

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
	Chain-type quantity indexes							
Exports of goods and services	112.73	115.21	114.07	113.60	117.92	116.27	117.41	120.66
Goods ¹	114.51	116.89	114.69	115.14	120.35	117.46	118.71	123.43
Durable	118.17	121.78	118.99	120.35	125.52	122.89	123.99	130.01
Nondurable	106.68	106.40	105.50	103.92	109.25	105.78	107.39	109.25
Services ¹	108.49	111.19	112.48	109.93	112.22	113.35	114.24	114.26
Income receipts	113.26	113.69	116.84	110.06	111.58	112.41	116.72	120.75
Imports of goods and services	113.72	126.89	126.21	127.81	131.14	135.07	139.69	144.63
Goods ¹	114.21	127.62	126.87	128.40	132.33	136.33	141.34	147.08
Durable	116.23	131.30	130.00	131.40	137.58	141.30	147.66	154.76
Nondurable	110.34	120.56	120.90	122.71	122.15	126.71	129.07	132.27
Services ¹	111.19	123.21	122.83	124.75	125.24	128.81	131.58	132.74
Income payments	120.62	127.28	126.45	130.05	128.07	127.79	132.36	137.07
	Chain-type price indexes							
Exports of goods and services	98.23	95.95	96.27	95.57	95.25	95.13	95.30	95.61
Goods ¹	97.29	94.25	94.71	93.70	93.15	92.83	92.69	92.85
Durable	97.03	94.88	95.21	94.46	94.14	93.91	93.68	93.42
Nondurable	97.89	92.71	93.49	91.85	90.72	90.16	90.26	91.47
Services ¹	100.56	100.24	100.20	100.27	100.55	100.94	101.88	102.56
Income receipts	101.61	102.20	102.09	102.26	102.49	102.80	103.31	103.77
Imports of goods and services	96.45	91.31	91.63	90.55	90.48	89.81	90.96	92.35
Goods ¹	95.88	90.19	90.55	89.30	89.03	88.38	89.46	90.75
Durable	94.76	90.85	91.18	90.17	89.86	89.76	89.09	88.73
Nondurable	98.12	88.74	89.18	87.43	87.24	85.40	90.29	95.29
Services ¹	99.47	97.29	97.36	97.21	98.26	97.43	99.03	100.95
Income payments	101.45	101.95	101.84	102.08	102.25	102.58	103.09	103.64

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]

			Seasonally adjusted									Seasonally adjusted					
	1997	1998	1998			1999				1997	1998	1998			1999		
			II	III	IV	I	II	III				II	III	IV	I	II	III
	Chain-type quantity indexes																
Exports of goods and services	112.73	115.21	114.07	113.60	117.92	116.27	117.41	120.66	Exports of goods and services	98.23	95.95	96.27	95.57	95.25	95.13	95.30	95.61
Exports of goods ¹	114.51	116.89	114.69	115.14	120.35	117.46	118.71	123.43	Exports of goods ¹	97.29	94.25	94.71	93.70	93.15	92.83	92.69	92.85
Foods, feeds, and beverages	100.16	99.28	97.41	92.48	104.05	95.32	100.96	106.40	Foods, feeds, and beverages	92.60	84.15	84.80	83.37	82.24	81.65	80.77	79.75
Industrial supplies and materials	108.61	107.43	106.66	105.65	108.00	104.28	106.44	108.23	Industrial supplies and materials	99.57	94.22	95.29	93.18	91.71	90.83	91.24	93.44
Durable goods	109.05	110.83	109.92	107.96	110.58	109.69	111.86	114.26	Durable goods	99.11	95.02	95.81	94.44	93.34	92.48	92.12	92.38
Nondurable goods	108.36	105.50	104.81	104.34	106.52	101.16	103.31	104.76	Nondurable goods	99.83	93.75	94.98	92.43	90.75	89.85	90.75	94.13
Capital goods, except automotive	122.84	128.12	123.94	128.37	133.15	130.16	129.67	139.03	Capital goods, except automotive	95.07	92.50	92.88	91.97	91.69	91.50	91.20	90.67
Civilian aircraft, engines, and parts	129.88	165.96	144.24	174.48	196.09	172.66	148.09	163.46	Civilian aircraft, engines, and parts	103.41	104.79	104.71	104.66	105.40	106.49	106.87	107.05
Computers, peripherals, and parts	131.31	136.93	133.63	139.59	144.32	143.22	153.55	163.27	Computers, peripherals, and parts	85.98	75.58	77.06	73.31	72.08	70.39	69.12	67.48
Other	119.61	119.03	118.02	117.22	118.78	119.41	121.66	129.76	Other	95.90	94.64	94.81	94.51	94.23	94.14	93.98	93.65
Automotive vehicles, engines, and parts	112.94	111.45	110.65	103.92	113.67	108.47	113.83	115.03	Automotive vehicles, engines, and parts	100.81	100.96	100.87	101.00	101.11	101.31	101.39	101.57
Consumer goods, except automotive	109.62	112.30	112.08	113.98	112.43	113.21	112.57	114.58	Consumer goods, except automotive	100.75	100.76	100.82	100.61	100.53	100.34	100.34	100.39
Durable goods	110.35	112.66	112.09	114.83	112.41	110.56	113.26	116.04	Durable goods	100.97	100.69	100.76	100.51	100.39	99.95	100.03	100.21
Nondurable goods	108.86	111.92	112.06	113.09	112.46	115.96	111.86	113.08	Nondurable goods	100.51	100.83	100.88	100.72	100.69	100.73	100.65	100.57
Other	114.00	122.15	120.81	117.57	134.10	140.12	139.91	135.42	Other	98.95	96.68	97.15	96.32	95.63	95.55	95.02	95.22
Exports of services ¹	108.49	111.19	112.48	109.93	112.22	113.35	114.24	114.26	Exports of services ¹	100.56	100.24	100.20	100.27	100.55	100.94	101.88	102.56
Transfers under U.S. military agency sales contracts	117.37	117.26	123.23	109.26	110.28	113.27	109.96	113.35	Transfers under U.S. military agency sales contracts	97.77	95.37	96.39	94.94	93.74	100.12	99.70	100.03
Travel	103.15	99.46	102.10	95.52	99.62	101.32	101.21	100.54	Travel	101.88	102.71	102.56	102.96	103.26	102.66	104.11	104.15
Passenger fares	105.44	102.61	107.68	105.40	96.03	96.73	101.54	100.83	Passenger fares	96.59	95.46	94.36	93.93	98.82	101.18	101.12	103.62
Other transportation	103.30	101.08	98.91	100.22	104.98	106.14	106.11	106.32	Other transportation	100.26	96.83	97.21	97.02	96.07	93.96	97.08	99.63
Royalties and license fees	102.24	110.															

NOTE.—See footnotes to table 4.3.

Table 7.11.—Chain-Type Quantity and Price Indexes for Government Consumption Expenditures and Gross Investment by Type
[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted							1997	1998	Seasonally adjusted					
			1998			1999						1998			1999		
			II	III	IV	I	II	III				II	III	IV	I	II	III
Chain-type quantity indexes									Chain-type price indexes								
Government consumption expenditures and gross investment ¹	102.33	104.10	104.13	104.46	105.20	106.52	106.86	108.06	Government consumption expenditures and gross investment ¹	101.78	103.34	103.10	103.60	103.94	104.93	105.69	106.56
Federal	99.88	98.97	99.71	99.14	100.08	99.97	100.49	101.52	Federal	101.30	102.38	102.30	102.41	102.76	104.89	105.13	105.60
National defense	97.55	95.71	95.69	97.33	96.61	95.64	95.01	97.56	National defense	101.22	102.03	101.85	102.07	102.32	104.21	104.47	104.93
Consumption expenditures	99.03	96.37	97.05	97.11	97.08	95.74	94.23	97.25	Consumption expenditures	101.68	102.91	102.64	103.01	103.37	105.20	105.58	106.13
Durable goods ²	99.29	100.91	99.19	104.97	103.03	98.12	101.75	108.23	Durable goods ²	99.54	99.18	99.23	98.90	99.22	98.93	98.67	98.51
Nondurable goods	99.93	105.22	99.68	116.43	105.74	100.24	110.36	135.75	Nondurable goods	97.66	86.89	87.42	85.49	85.18	82.52	87.76	93.93
Services	98.98	95.81	96.81	96.06	96.42	95.43	93.30	95.53	Services	101.96	103.66	103.34	103.84	104.23	106.36	106.64	107.05
Compensation of general government employees, except own-account investment ³	96.41	93.39	93.50	93.43	92.14	91.26	90.90	91.09	Compensation of general government employees, except own-account investment ³	102.91	105.37	105.07	105.45	105.95	109.71	109.86	109.98
Consumption of general government fixed capital ⁴	99.39	98.66	98.70	98.56	98.53	98.49	98.55	98.71	Consumption of general government fixed capital ⁴	100.07	99.17	98.91	99.06	99.15	100.29	100.30	100.76
Other services	103.08	97.75	101.03	98.63	102.14	100.23	93.28	100.69	Other services	101.88	104.45	104.06	105.04	105.48	105.87	106.55	107.40
Gross investment	89.23	92.11	88.04	98.93	94.12	95.33	99.91	99.70	Gross investment	98.53	96.83	97.17	96.55	96.20	98.38	98.02	97.94
Structures	82.70	76.17	71.33	82.14	71.10	74.25	72.51	69.89	Structures	103.33	105.89	105.15	106.33	107.46	108.05	109.26	110.36
Equipment and software	90.16	94.46	90.51	101.39	97.58	98.47	104.04	104.22	Equipment and software	97.88	95.68	96.14	95.31	94.80	97.15	96.64	96.44
Nondefense	104.63	105.63	107.89	102.85	107.16	108.77	111.62	109.59	Nondefense	101.45	103.07	103.15	103.05	103.59	106.18	106.37	106.85
Consumption expenditures	104.66	103.11	104.80	99.98	104.37	105.49	106.43	104.86	Consumption expenditures	102.00	104.24	104.32	104.26	104.97	107.76	108.10	108.72
Durable goods ²									Durable goods ²								
Nondurable goods									Nondurable goods								
Commodity Credit Corporation inventory change									Commodity Credit Corporation inventory change								
Other nondurables	125.43	127.04	127.75	125.28	127.94	129.38	133.04	132.58	Other nondurables	99.61	99.36	99.27	99.55	99.06	100.04	101.49	103.65
Services	103.40	102.50	103.23	102.28	102.68	103.03	103.96	102.25	Services	102.13	104.58	104.65	104.71	105.32	108.46	108.76	109.33
Compensation of general government employees, except own-account investment ³	99.44	100.54	100.30	100.45	102.20	102.34	101.12	100.03	Compensation of general government employees, except own-account investment ³	102.94	106.62	106.08	107.01	107.88	112.96	113.41	114.28
Consumption of general government fixed capital ⁴	108.32	118.15	116.81	119.42	122.07	124.79	127.46	130.29	Consumption of general government fixed capital ⁴	99.15	98.20	98.23	98.10	98.02	99.11	98.92	98.99
Other services	108.64	99.51	102.92	98.42	95.33	95.13	99.61	94.84	Other services	101.99	103.89	105.07	103.62	104.11	104.56	104.84	105.11
Gross investment	104.49	117.50	122.50	116.39	120.29	124.27	136.51	132.22	Gross investment	98.97	97.97	98.04	97.81	97.68	99.47	99.13	99.10
Structures	84.74	94.86	92.48	98.35	96.51	97.52	89.07	93.48	Structures	103.17	106.48	106.00	106.74	107.54	107.99	108.69	109.53
Equipment and software	115.53	130.18	139.61	126.26	133.70	139.46	164.30	154.65	Equipment and software	97.01	94.30	94.60	93.98	93.47	95.77	95.09	94.78
State and local	103.79	107.14	106.75	107.61	108.23	110.39	110.64	111.93	State and local	102.06	103.89	103.56	104.27	104.62	104.98	106.02	107.11
Consumption expenditures	103.21	106.69	106.37	107.06	107.87	108.79	109.74	110.79	Consumption expenditures	102.14	104.18	103.87	104.63	104.91	105.32	106.42	107.66
Durable goods ²	108.04	116.86	115.94	117.89	119.84	122.01	124.20	126.43	Durable goods ²	99.45	99.18	99.20	99.18	99.06	98.94	98.78	98.62
Nondurable goods	106.41	114.37	113.50	115.32	117.07	118.95	120.85	122.78	Nondurable goods	99.25	94.44	95.19	94.23	92.72	92.31	96.39	100.43
Services	102.71	105.56	105.32	105.85	106.54	107.32	108.15	109.08	Services	102.57	105.57	105.11	106.12	106.66	107.19	107.91	108.78
Compensation of general government employees, except own-account investment ³	101.52	102.82	102.71	102.92	103.38	103.92	104.48	105.21	Compensation of general government employees, except own-account investment ³	102.71	106.28	105.81	106.87	107.49	108.21	108.89	109.80
Consumption of general government fixed capital ⁴	104.69	109.89	109.18	110.56	111.97	113.43	114.9										

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.

Table 7.14.—Chain-Type Quantity and Price Indexes for Gross Domestic Product by Sector

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
Chain-type quantity indexes								
Gross domestic product	104.50	109.00	108.24	109.25	110.83	111.84	112.36	113.92
Business ¹	105.08	110.18	109.31	110.45	112.26	113.38	113.93	115.68
Nonfarm ²	104.99	110.18	109.32	110.46	112.27	113.42	113.96	115.80
Nonfarm less housing	105.41	111.02	110.09	111.28	113.26	114.40	114.93	116.86
Housing	101.24	102.71	102.48	103.08	103.52	104.67	105.34	106.43
Farm	111.80	109.03	107.01	108.92	109.88	108.64	110.22	103.87
Households and institutions ...	103.42	105.87	105.64	106.04	106.51	107.07	107.52	108.22
Private households	97.87	110.60	107.65	112.54	118.59	121.19	121.56	122.36
Nonprofit institutions	103.62	105.70	105.57	105.81	106.08	106.56	107.02	107.71
General government ³	100.80	101.78	101.62	101.92	102.30	102.71	103.03	103.59
Federal	98.55	97.89	97.80	97.97	97.98	97.77	97.44	97.43
State and local	101.87	103.61	103.42	103.77	104.33	105.03	105.66	106.49
Chain-type price indexes								
Gross domestic product	101.66	102.86	102.70	103.06	103.28	103.79	104.13	104.41
Business ¹	101.57	102.48	102.37	102.62	102.77	103.12	103.42	103.61
Nonfarm ²	101.80	102.81	102.73	102.97	103.01	103.41	103.79	103.99
Nonfarm less housing	101.70	102.47	102.45	102.59	102.50	102.87	103.23	103.41
Housing	102.74	106.09	105.36	106.58	107.92	108.53	109.16	109.59
Farm	85.42	79.75	77.68	78.74	86.63	83.92	77.93	76.99
Households and institutions ...	101.59	104.49	104.08	105.08	105.98	107.10	108.03	108.97
Private households	102.55	105.45	104.95	105.89	106.64	107.31	108.25	108.80
Nonprofit institutions	101.55	104.46	104.04	105.05	105.95	107.10	108.02	108.98
General government ³	102.38	105.14	104.72	105.54	106.09	107.57	108.10	108.81
Federal	102.07	103.87	103.54	103.98	104.45	107.81	107.98	108.37
State and local	102.53	105.72	105.26	106.25	106.84	107.49	108.17	109.02

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

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

3. Equals compensation of general government employees plus general government consumption of fixed capital.

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

[Dollars]

Price per unit of real gross product of nonfinancial corporate business ¹	1.006	1.007	1.006	1.008	1.008	1.009	1.012	1.012
Compensation of employees (unit labor cost) .....	.635	.643	.643	.644	.646	.647	.649	.650
Unit nonlabor cost .....	.246	.244	.244	.243	.245	.243	.244	.246
Consumption of fixed capital .....	.109	.109	.109	.109	.109	.109	.110	.111
Indirect business tax and nontax liability plus business transfer payments less subsidies .....	.110	.109	.109	.108	.111	.109	.109	.109
Net interest .....	.027	.026	.026	.026	.025	.025	.025	.026
Corporate profits with inventory valuation and capital consumption adjustments (unit profits from current production) .....	.125	.120	.119	.121	.116	.119	.118	.115
Profits tax liability .....	.035	.032	.032	.032	.030	.032	.033	.033
Profits after tax with inventory valuation and capital consumption adjustments ...	.090	.088	.087	.089	.085	.087	.085	.082

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

Table 7.16.—Implicit Price Deflators for Private Inventories by Industry Group

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
Private inventories ¹	97.34	96.30	95.64	95.59	96.37	97.56		
Farm	95.90	88.38	85.84	90.74	90.14	88.98		
Nonfarm	97.47	96.97	96.48	96.01	96.91	98.29		
Durable goods	97.98	97.56	96.90	95.89	96.37	96.97		
Nondurable goods	96.83	96.23	95.96	96.15	97.60	99.95		
Manufacturing	96.46	95.71	94.42	93.92	94.94	96.37		
Durable goods	96.92	96.02	94.62	94.10	94.71	95.60		
Nondurable goods	95.71	95.21	94.08	93.64	95.33	97.63		
Wholesale	96.87	96.28	96.17	95.27	95.70	96.94		
Durable goods	98.38	97.87	97.48	95.74	95.89	96.13		
Nondurable goods	94.32	93.59	93.97	94.53	95.44	98.42		
Merchant wholesalers	96.98	96.39	96.40	95.38	95.62	96.69		
Durable goods	98.39	97.88	97.48	95.79	95.95	96.20		
Nondurable goods	94.55	93.84	94.55	94.70	95.08	97.62		
Nonmerchant wholesalers	96.14	95.50	94.67	94.59	96.24	98.49		
Durable goods	98.28	97.82	97.45	95.38	95.49	95.67		
Nondurable goods	92.94	92.03	90.50	93.48	97.57	103.20		
Retail trade	99.90	100.12	100.35	100.03	100.69	101.68		
Durable goods	99.03	99.43	99.63	98.66	99.24	99.92		
Motor vehicle dealers	97.61	98.48	98.73	97.48	98.02	99.54		
Other	100.57	100.47	100.61	99.94	100.57	100.35		
Nondurable goods	100.94	100.95	101.22	101.68	102.45	103.81		
Other	95.94	94.61	94.14	94.60	97.21	100.06		
Durable goods	101.13	101.69	100.62	101.40	103.45	102.41		
Nondurable goods	95.55	94.07	93.66	94.09	96.74	99.87		

1. Implicit price deflators are as of the end of the quarter and are consistent with the inventory stocks shown in tables 5.12 and 5.13.

Table 7.17.—Chain-Type Quantity Indexes for Gross Domestic Product by Major Type of Product

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
Gross domestic product	104.50	109.00	108.24	109.25	110.83	111.84	112.36	113.92
Final sales of domestic product	104.02	108.46	108.06	108.69	110.34	111.59	112.52	113.78
Change in private inventories								
Goods	106.44	112.85	111.07	112.62	115.79	116.63	116.77	119.45
Final sales	105.15	111.43	110.62	111.15	114.54	116.04	117.33	119.17
Change in private inventories								
Durable goods	109.62	120.28	117.64	119.85	124.85	125.36	125.80	130.13
Final sales	108.50	119.01	117.73	118.49	123.65	125.29	127.15	130.21
Change in private inventories								
Nondurable goods	103.78	106.73	105.64	106.68	108.39	109.48	109.38	110.78
Final sales	102.37	105.24	104.80	105.15	107.15	108.55	109.38	110.29
Change in private inventories								
Services	103.18	106.17	106.01	106.69	107.25	108.08	109.07	110.25
Structures	104.36	110.14	109.92	110.67	112.03	114.79	113.99	113.42
Addenda:								
Motor vehicle output	106.58	114.56	109.24	110.92	126.49	119.36	121.80	129.10
Gross domestic product less motor vehicle output	104.43	108.80	108.21	109.19	110.27	111.57	112.02	113.38

Table 7.18B.—Chain-Type Quantity Indexes for Motor Vehicle Output

[Index numbers, 1996=100]

	1997	1998	Seasonally adjusted					
			1998			1999		
			II	III	IV	I	II	III
Motor vehicle output	106.58	114.56	109.24	110.92	126.49	119.36	121.80	129.10
Auto output	101.45	104.87	95.36	104.55	116.65	99.19	101.00	102.88
Truck output ¹	110.89	122.70	120.90	116.25	134.74	136.08	139.04	150.78
Final sales of domestic product	103.20	112.55	114.22	108.03	118.63	115.28	119.13	122.37
Personal consumption expenditures	102.90	114.53	114.38	112.08	121.22	121.64	124.66	125.41
New motor vehicles	101.65	115.33	119.66	110.45	120.75	121.16	125.72	126.72
Autos	101.04	111.43	114.98	106.64	116.09	117.93	124.82	123.82
Light trucks	102.37	119.94	125.20	114.95	126.27	125.00	126.82	130.16
Net purchases of used autos	106.62	112.04	98.37	116.85	122.46	122.93	121.26	121.26
Private fixed investment	106.91	115.07	115.46	109.39	124.22	126.04	129.17	140.75
New motor vehicles	106.71	114.37	115.85	108.79	121.64	123.88	127.75	137.06
Autos	101.28	102.10	105.55	94.31	105.49	102.09	107.97	111.31
Trucks	111.90	126.11	125.70	122.66	137.11	144.69	146.67	161.64
Light trucks	114.67	126.47	130.27	119.31	136.20	145.83	148.90	168.43
Other	106.61	125.29	117.20	128.60	138.57	142.43	142.44	149.17
Net purchases of used autos	106.02	111.81	117.37	106.58	112.09	115.90	122.60	123.47
Gross government investment	110.38	109.63	122.02	98.49	118.22	107.78	99.74	120.88
Autos	91.08	95.01	99.64	92.83	103.89	95.31	92.29	108.30
New trucks	121.07	117.67	134.50	101.40	126.04	114.58	103.70	127.71
Net exports	105.28	100.44	102.64	89.29	99.04	92.12	100.78	93.62
Exports	98.31	94.32	92.92	85.02	99.75	90.26	102.60	89.63
Autos	118.29	111.90	120.74	97.31	97.92	95.69	97.65	101.02
Trucks	109.75	116.94	113.79	112.78	127.05	138.59	139.34	147.87
Imports	108.65	118.90	116.58	114.01	129.71	139.67	136.13	148.38
Autos	115.03	107.48	100.38	106.86	114.27	133.39	154.67	145.45
Trucks								
Change in private inventories								
Autos								
New								
Domestic								
Foreign								
Used								
New trucks								
Domestic								
Foreign								
Addenda:								
Final sales of motor vehicles to domestic purchasers	104.60	114.56	115.02	110.65	122.21	122.79	125.48	130.86
Private fixed investment in new autos and new light trucks	106.74	112.00	115.59	104.46	117.95	119.83	124.57	134.48
Domestic output of new autos ²	99.77	98.16	90.52	99.05	106.06	98.93	99.28	103.95
Sales of imported new autos ³	109.27	129.63	132.42	121.33	139.71	136.53	146.46	148.58

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 8.1.—Percent Change From Preceding Period in Selected Series
[Percent]

1. For some components of final sales of computers, includes computer parts.
NOTE.—Contributions to the percent change in real gross domestic product are shown in table 8.2.

Table 8.2.—Contributions to Percent Change in Real Gross Domestic Product

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Percent change at annual rate:								
Gross domestic product	4.5	4.3	2.1	3.8	5.9	3.7	1.9	5.7
Percentage points at annual rates:								
Personal consumption expenditures	2.51	3.24	3.96	2.64	3.13	4.27	3.36	3.33
Durable goods .....	.51	.86	.84	.33	1.51	.96	.71	.62
Motor vehicles and parts .....	.09	.33	.47	-.23	.94	.13	.30	.10
Furniture and household equipment .....	.31	.39	.23	.47	.44	.55	.34	.39
Other .....	.10	.13	.14	.08	.13	.28	.08	.13
Nondurable goods .....	.59	.79	1.28	.49	.98	1.68	.64	.73
Food .....	.17	.26	.60	.23	.60	.20	.24	.26
Clothing and shoes .....	.16	.25	.24	-.04	.16	.82	.09	.21
Gasoline, fuel oil, and other energy goods .....	.02	.01	.07	.03	-.05	.04	.04	.03
Other .....	.24	.27	.36	.27	.27	.62	.28	.23
Services	1.41	1.59	1.85	1.83	.64	1.63	2.01	1.97
Housing .....	.18	.24	.28	.20	.21	.31	.23	.27
Household operation .....	.13	.21	.53	.42	-.37	.38	.21	.25
Electricity and gas	-.02	.03	.37	.20	-.49	.24	.05	.14
Other household operation .....	.14	.18	.15	.21	.11	.15	.16	.11
Transportation .....	.16	.10	.14	.01	.07	.08	.10	.12
Medical care .....	.21	.29	.30	.19	.29	.16	.30	.43
Recreation .....	.10	.12	.05	.18	.12	.27	.31	.35
Other .....	.63	.63	.55	.83	.32	.43	.85	.56
Gross private domestic investment	1.82	1.93	-.85	1.74	1.94	.67	-.36	2.25
Fixed investment	1.31	1.86	1.95	.34	2.20	1.48	1.10	1.16
Nonresidential	1.22	1.49	1.42	.01	1.79	.94	.86	1.33
Structures .....	.25	.13	.22	-.21	.18	-.18	-.16	-.11
Equipment and software .....	.97	1.37	1.21	.22	1.61	1.12	1.02	1.44
Information processing equipment and software .....	.64	.85	.83	.71	.80	.80	1.09	.88
Computers and peripheral equipment .....	.32	.45	.45	.36	.43	.33	.40	.40
Software ¹ .....	.18	.23	.23	.25	.26	.16	.23	.21
Other .....	.14	.17	.14	.09	.12	.30	.46	.27
Industrial equipment .....	.06	.08	.04	.04	.01	-.17	.07	.16
Transportation equipment .....	.14	.31	.13	-.59	.99	.22	.03	.55
Other .....	.13	.12	.21	.06	-.19	.27	-.17	-.14
Residential .....	.09	.37	.53	.33	.41	.53	.24	-.17
Change in private inventories .....	.50	.07	-2.80	1.40	-.26	-.80	-1.46	1.09
Farm	-.05	-.02	-.52	.30	.58	-.16	-.24	-.18
Nonfarm .....	.55	.09	-2.27	1.10	-.84	-.64	-1.22	1.27
Net exports of goods and services	-.25	-1.18	-2.01	-.82	.33	-2.13	-1.35	-.72
Exports	1.40	.25	-.45	-.18	1.65	-.61	.42	1.19
Goods	1.12	.17	-.73	.12	1.38	-.74	.32	1.19
Services .....	.28	.08	.28	-.30	.27	.13	.10	0
Imports	-1.65	-1.43	-1.56	-.65	-1.32	-1.52	-1.77	-1.91
Goods	-1.43	-1.21	-1.36	-.51	-1.29	-1.28	-1.59	-1.83
Services	-.22	-.22	-.20	-.13	-.03	-.24	-.19	-.08
Government consumption expenditures and gross investment .....	.42	.31	1.03	.23	.51	.87	.23	.81
Federal	-.01	-.06	.69	-.14	.24	-.03	.13	.26
National defense	-.11	-.08	.42	.27	-.12	-.16	-.10	.42
Consumption expenditures	-.04	-.10	.40	.01	0	-.19	-.21	.42
Gross investment	-.07	.02	.02	.26	-.12	.03	.11	0
Nondefense .....	.10	.02	.27	-.42	.36	.13	.23	-.16
Consumption expenditures .....	.09	-.03	.11	-.33	.30	.08	.06	-.10
Gross investment .....	.02	.05	.17	-.09	.06	.06	.17	-.06
State and local .....	.43	.37	.33	.37	.28	.90	.10	.55
Consumption expenditures .....	.30	.31	.32	.24	.29	.31	.32	.37
Gross investment .....	.13	.06	.01	.13	-.02	.59	-.22	.18
Addenda:								
Goods	2.41	2.26	-1.16	2.12	4.26	1.14	.18	3.47
Services	1.71	1.55	2.64	1.41	1.18	1.65	1.96	2.37
Structures .....	.38	.49	.65	.25	.46	.89	-.26	-.17
Motor vehicle output .....	.23	.26	-.30	.21	1.94	-.87	.29	.87
Final sales of computers ² .....	.39	.47	.51	.62	.40	.29	.38	.47

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

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Percent change at annual rate:								
Personal consumption expenditures	3.7	4.9	6.1	3.9	4.6	6.5	5.1	4.9
Percentage points at annual rates:								
Durable goods .....	.77	1.29	1.29	.49	2.24	1.45	1.07	.92
Motor vehicles and parts .....	.14	.50	.71	-.34	1.40	.20	.45	.15
Furniture and household equipment .....	.47	.59	.36	.70	.66	.83	.51	.58
Other .....	.16	.20	.21	.12	.19	.42	.12	.19
Nondurable goods .....	.87	1.19	1.96	.72	1.44	2.56	.98	1.07
Food .....	.25	.40	.93	.35	.89	.32	.36	.38
Clothing and shoes .....	.24	.38	.37	-.06	.23	1.24	.14	.30
Gasoline, fuel oil, and other energy goods .....	.03	.01	.11	.04	-.07	.06	.06	.04
Gasoline and oil .....	.04	.03	.08	.04	-.04	-.03	.03	.05
Fuel oil and coal	-.01	-.01	.03	0	-.03	.09	.03	-.01
Other .....	.36	.41	.55	.40	.39	.94	.42	.34
Services	2.11	2.39	2.85	2.73	.93	2.54	3.03	2.90
Housing .....	.27	.36	.44	.29	.30	.49	.35	.39
Household operation .....	.19	.31	.80	.63	-.56	.58	.32	.37
Electricity and gas	-.02	.04	.57	.31	-.73	.36	.07	.20
Other household operation .....	.21	.28	.23	.32	.17	.22	.25	.16
Transportation .....	.23	.15	.21	.02	.11	.12	.15	.17
Medical care .....	.32	.44	.48	.28	.42	.27	.46	.63
Recreation .....	.16	.18	.08	.27	.18	.40	.47	.51
Other .....	.94	.95	.85	1.24	.47	.67	1.28	.82
Addenda:								
Energy goods and services ¹ .....	.01	.05	.67	.34	-.80	.42	.13	.24
Personal consumption expenditures less food and energy	3.49	4.42	4.49	3.25	4.53	5.81	4.58	4.26

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 tables 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

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Percent change at annual rate:								
Private fixed investment	8.5	11.8	12.5	2.0	13.8	9.1	6.6	6.8
Percentage points at annual rates:								
Nonresidential	7.91	9.50	9.12	.04	11.20	5.81	5.18	7.81
Structures	1.60	.81	1.43	-1.27	1.20	-1.04	-.94	-.65
Nonresidential buildings, including								
farm	1.14	.74	1.03	-.21	1.06	-.21	-1.52	-1.09
Utilities	-.03	.18	.05	.05	.25	-.15	-.03	.14
Mining exploration, shafts, and wells .....	.47	-.09	.20	-.92	-.20	-.62	.30	.53
Other structures .....	.02	-.02	.15	-.19	.08	-.06	.31	-.22
Equipment and software	6.31	8.69	7.69	1.31	10.00	6.85	6.11	8.46
Information processing equipment and software	4.16	5.42	5.21	4.22	4.99	4.82	6.44	5.14
Computers and peripheral equipment ¹	2.06	2.87	2.79	2.15	2.63	2.00	2.36	2.33
Software ²	1.16	1.46	1.48	1.51	1.60	1.00	1.36	1.24
Other .....	.94	1.09	.94	.56	.76	1.82	2.72	1.58
Industrial equipment .....	.40	.53	.31	.22	.05	-1.00	.42	.92
Transportation equipment .....	.89	1.96	.86	-3.51	6.03	1.37	.22	3.23
Other .....	.86	.78	1.31	.37	-1.07	1.66	-.98	-.83
Residential .....	.61	2.34	3.36	1.97	2.62	3.25	1.44	-.98
Structures .....	.59	2.30	3.30	1.96	2.59	3.16	1.39	-1.01
Single family .....	.05	1.63	2.35	1.79	1.65	1.89	-.01	-1.11
Multifamily .....	.13	-.01	-.45	-.12	-.02	.70	-.12	-.01
Other structures .....	.41	.69	1.41	.29	.96	.58	1.52	.11
Equipment .....	.02	.04	.06	.01	.04	.09	.06	.04

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

	1997	1998	1999	2000	2001	2002	2003	2004
Percent change at annual rate:								
Exports of goods and services	12.7	2.2	-4.0	-1.7	16.1	-5.5	4.0	11.5
Percentage points at annual rates:								
Exports of goods¹	10.22	1.47	-6.46	1.07	13.34	-6.70	3.02	11.51
Foods, feeds, and beverages .....	.01	-.05	-1.14	-.97	2.29	-1.61	1.06	1.02
Industrial supplies and materials	1.40	-.17	-1.53	-.56	1.42	-1.94	1.15	1.04
Capital goods, except automotive	6.52	1.31	-2.98	4.32	4.97	-2.78	-.45	9.00
Automotive vehicles, engines, and parts .....	.97	-.10	-1.86	-1.85	2.77	-1.39	1.46	.37
Consumer goods, except automotive .....	.78	.20	.41	.56	-.39	.23	-.18	.63
Other .....	.54	.28	.64	-.44	2.28	.79	-.02	-.56
Exports of services¹	2.51	.72	2.50	-2.73	2.75	1.23	.98	.02
Percent change at annual rate:								
Imports of goods and services	13.7	11.6	13.0	5.2	10.8	12.5	14.4	14.9
Percentage points at annual rates:								
Imports of goods¹	11.90	9.81	11.35	4.12	10.52	10.53	12.85	14.22
Foods, feeds, and beverages .....	.38	.28	.21	.25	.07	.34	.78	.39
Industrial supplies and materials, except petroleum and products	1.10	1.38	2.25	.73	-.70	.08	1.16	1.45
Petroleum and products .....	.34	.41	1.77	.12	-1.17	.28	1.05	-.66
Capital goods, except automotive	5.79	3.51	2.93	1.19	2.80	2.36	6.39	5.13
Automotive vehicles, engines, and parts	1.12	.88	.20	-.15	5.94	3.52	1.12	3.63
Consumer goods, except automotive	2.54	2.48	3.38	1.03	.69	2.99	1.82	3.53
Other .....	.62	.86	.60	.95	2.90	.96	.53	.75
Imports of services¹	1.82	1.78	1.65	1.05	.33	1.99	1.55	.70

1. Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal Government, are included in services. Beginning with 1998, 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

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Percent change at annual rate:								
Government consumption expenditures and gross investment ¹	2.3	1.7	6.0	1.3	2.9	5.1	1.3	4.5
Percentage points at annual rates:								
Federal	-.05	-.33	4.02	-.82	1.35	-.16	.74	1.45
National defense	-.61	-.45	2.43	1.55	-.67	-.92	-.59	2.38
Consumption expenditures	-.21	-.55	2.34	.05	-.01	-1.08	-1.21	2.40
Durable goods ²	-.01	.02	.15	.31	-.10	-.26	.19	.33
Nondurable goods	0	.02	.01	.29	-.18	-.09	.17	.44
Services	-.20	-.60	2.17	-.56	.27	-.73	-1.56	1.63
Compensation of general government employees, except own-account investment ³	-.34	-.28	-.35	-.02	-.47	-.32	-.13	.07
Consumption of general government fixed capital ⁴	-.03	-.03	-.02	-.02	-.01	-.01	.01	.03
Other services .....	.17	-.29	2.54	-.51	.74	-.40	-1.44	1.53
Gross investment	-.41	.10	.09	1.50	-.66	.16	.62	-.03
Structures	-.08	-.03	-.16	.20	-.20	.06	-.03	-.05
Equipment and software	-.33	.13	.26	1.30	-.46	.11	.65	.02
Nondefense .....	.57	.12	1.60	-2.37	2.02	.75	1.33	-.93
Consumption expenditures .....	.47	-.15	.62	-1.88	1.71	.44	.36	-.60
Durable goods ² .....	.02	-.09	.01	-1.55	1.49	.04	.04	-.06
Nondurable goods .....	.13	.02	.06	.02	.07	.27	-.02	.08
Services .....	.32	-.08	.54	-.35	.15	.13	.34	-.62
Compensation of general government employees, except own-account investment ³	-.03	.06	.24	.03	.38	.03	-.26	-.23
Consumption of general government fixed capital ⁴ .....	.10	.12	.12	.12	.12	.12	.12	.13
Other services .....	.25	-.26	.18	-.51	-.34	-.02	.49	-.51
Gross investment .....	.10	.27	.97	-.49	.32	.32	.97	-.33
Structures	-.12	.08	.01	.18	-.06	.03	-.26	.13
Equipment and software .....	.22	.19	.96	-.67	.37	.29	1.22	-.47
State and local	2.38	2.06	2.00	2.08	1.52	5.17	.57	3.09
Consumption expenditures	1.64	1.75	1.92	1.37	1.63	1.78	1.84	2.07
Durable goods ² .....	.07	.08	.08	.07	.07	.07	.07	.07
Nondurable goods .....	.36	.41	.40	.36	.34	.36	.36	.38
Services	1.21	1.26	1.44	.94	1.22	1.36	1.41	1.62
Compensation of general government employees, except own-account investment ³ .....	.58	.50	.68	.33	.71	.80	.83	1.10
Consumption of general government fixed capital ⁴ .....	.22	.24	.25	.25	.26	.26	.26	.27
Other services .....	.41	.52	.51	.36	.26	.29	.31	.25
Gross investment .....	.74	.31	.08	.72	-.11	3.38	-1.26	1.02
Structures .....	.42	-.07	-.31	.37	-.46	3.10	-1.57	.56
Equipment and software .....	.32	.38	.39	.35	.36	.28	.30	.46

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 tables 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.

The NIPA tables 8.4 and 8.5 that were published in last month's issue of the SURVEY OF CURRENT BUSINESS contained errors. For more information, see "Errata" on page 35 of this issue.

Table 8.7.—Selected Per Capita Product and Income Series in Current and Chained Dollars

[Dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Current dollars:								
Gross domestic product	30,968	32,373	32,136	32,471	32,941	33,338	33,530	33,993
Gross national product	30,983	32,336	32,136	32,376	32,878	33,285	33,477	33,937
Personal income	25,932	27,195	27,001	27,362	27,725	28,037	28,348	28,632
Disposable personal income	22,320	23,231	23,086	23,345	23,628	23,904	24,171	24,389
Personal consumption expenditures	20,610	21,614	21,524	21,737	21,993	22,381	22,732	23,047
Durable goods	2,398	2,580	2,568	2,572	2,661	2,715	2,755	2,785
Nondurable goods	6,125	6,315	6,296	6,336	6,417	6,569	6,690	6,778
Services	12,087	12,718	12,660	12,830	12,915	13,096	13,287	13,483
Chained (1996) dollars:								
Gross domestic product	30,461	31,472	31,298	31,504	31,879	32,107	32,182	32,541
Gross national product	30,476	31,434	31,295	31,411	31,816	32,054	32,130	32,486
Disposable personal income	21,954	22,636	22,528	22,715	22,924	23,110	23,239	23,343
Personal consumption expenditures	20,272	21,060	21,004	21,151	21,338	21,637	21,856	22,058
Durable goods	2,452	2,703	2,679	2,699	2,820	2,898	2,955	3,002
Nondurable goods	6,044	6,228	6,224	6,245	6,305	6,429	6,466	6,505
Services	11,777	12,138	12,109	12,215	12,230	12,334	12,462	12,579
Population (mid-period, thousands)	268,046	270,595	270,219	270,946	271,623	272,145	272,778	273,518

Table 8.8B.—Motor Vehicle Output

[Billions of dollars]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Motor vehicle output	293.5	313.3	296.9	306.1	345.3	325.0	330.9	355.0
Auto output	127.0	130.5	117.6	133.0	143.5	121.2	122.7	128.7
Truck output ¹	166.4	182.8	179.3	173.2	201.9	203.8	208.2	226.3
Final sales of domestic product	288.8	312.3	315.8	301.5	329.0	319.3	329.3	339.2
Personal consumption expenditures	207.0	228.9	228.0	225.4	241.8	242.0	248.1	251.9
New motor vehicles	153.6	173.3	179.4	166.2	181.5	181.8	188.3	190.1
Autos	82.8	90.6	93.3	86.8	94.3	95.4	100.6	99.7
Light trucks	70.8	82.7	86.1	79.3	87.2	86.3	87.6	90.4
Net purchases of used autos	53.4	55.5	48.6	59.2	60.3	60.2	59.8	61.8
Private fixed investment	130.2	139.2	139.2	132.3	150.7	153.8	157.1	169.8
New motor vehicles	165.2	175.4	177.0	166.9	187.6	190.8	196.4	210.6
Autos	76.7	76.7	79.1	71.0	79.2	76.3	80.5	82.8
Trucks	88.5	98.7	97.8	96.0	108.5	114.5	115.9	127.7
Light trucks	59.5	64.1	65.6	60.3	69.7	74.4	75.7	85.4
Other	29.0	34.7	32.3	35.7	38.8	40.1	40.2	42.3
Net purchases of used autos	-35.0	-36.3	-37.8	-34.6	-36.9	-37.0	-39.3	-40.7
Gross government investment	12.0	11.9	13.2	10.7	12.9	11.7	10.9	13.2
Autos	3.6	3.8	3.9	3.7	4.1	3.8	3.7	4.3
New trucks	8.4	8.1	9.2	7.0	8.8	8.0	7.2	8.9
Net exports	-60.3	-67.7	-64.5	-66.9	-76.5	-88.3	-86.8	-95.7
Exports	27.7	26.7	27.2	23.8	26.3	24.6	27.0	25.1
Autos	16.8	16.2	15.9	14.7	17.2	15.6	17.7	15.5
Trucks	10.9	10.5	11.3	9.1	9.2	9.0	9.3	9.6
Imports	88.0	94.3	91.8	90.7	102.8	112.9	113.8	120.8
Autos	72.2	79.4	77.8	75.8	86.8	94.1	92.0	100.2
Trucks	15.8	15.0	14.0	14.9	16.0	18.8	21.8	20.7
Change in private inventories	4.6	1.0	-18.9	4.6	16.3	5.7	1.6	15.8
Autos	1.0	3.3	-7.7	8.0	12.1	.9	-8.4	5.4
New	-2	2.6	-14.9	11.0	11.9	.2	-6.1	4.1
Domestic	-2	1.0	-15.9	11.7	9.5	.2	-7.7	3.5
Foreign	0	1.6	1.0	-7	2.4	0	1.6	.6
Used	1.2	.7	7.2	-3.0	.1	.7	-2.3	1.3
New trucks	3.6	-2.3	-11.2	-3.4	4.2	4.8	10.0	10.4
Domestic	2.9	-2.1	-12.1	-1.7	4.2	3.6	10.4	11.3
Foreign .....	.6	-1	.9	-1.7	0	1.2	-4	-1.0
Addenda:								
Final sales of motor vehicles to domestic purchasers	349.2	379.9	380.3	368.4	405.5	407.6	416.1	434.9
Private fixed investment in new autos and new light trucks	136.2	140.8	144.7	131.3	148.8	150.7	156.2	168.3
Domestic output of new autos ²	116.2	114.2	104.5	116.3	122.8	114.0	114.0	121.7
Sales of imported new autos ³	60.5	71.2	72.6	66.8	76.7	74.7	79.8	80.9

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]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
Motor vehicle output	293.7	315.7	301.1	305.7	348.6	329.0	335.7	355.8
Auto output	128.0	132.3	120.3	131.9	147.2	125.1	127.4	129.8
Truck output ¹	165.7	183.4	180.7	173.8	201.4	203.4	207.8	225.4
Final sales of domestic product	288.6	314.8	319.4	302.1	331.8	322.4	333.1	342.2
Personal consumption expenditures	207.4	230.9	230.6	225.9	244.3	245.2	251.3	252.8
New motor vehicles	152.6	173.2	179.7	165.8	181.3	181.9	188.8	190.3
Autos	82.7	91.2	94.1	87.3	95.0	96.6	102.2	101.4
Light trucks	69.9	81.9	85.5	78.5	86.2	85.3	86.6	88.9
Net purchases of used autos	54.8	57.6	50.6	60.1	63.0	63.2	62.4	62.4
Private fixed investment	129.1	139.0	139.5	132.1	150.1	152.3	156.0	170.0
New motor vehicles	165.6	177.5	179.8	168.8	188.7	192.2	198.2	212.7
Autos	76.6	77.3	79.9	71.4	79.8	77.2	81.7	84.2
Trucks	89.0	100.3	99.9	97.5	109.0	115.0	116.6	128.5
Light trucks	60.0	66.1	68.1	62.4	71.2	76.3	77.9	88.1
Other	29.0	34.1	31.9	35.0	37.7	38.8	38.8	40.6
Net purchases of used autos	-36.4	-38.4	-40.3	-36.6	-38.5	-39.8	-42.1	-42.4
Gross government investment	12.0	11.9	13.2	10.7	12.8	11.7	10.8	13.1
Autos	3.5	3.6	3.8	3.6	4.0	3.7	3.5	4.1
New trucks	8.5	8.2	9.4	7.1	8.8	8.0	7.3	8.9
Net exports	-59.9	-66.9	-63.8	-66.5	-75.3	-86.3	-84.7	-93.3
Exports	27.3	26.1	26.7	23.2	25.7	23.9	26.2	24.3
Autos	16.7	16.0	15.8	14.4	16.9	15.3	17.4	15.2
Trucks	10.7	10.1	10.9	8.8	8.8	8.6	8.8	9.1
Imports	87.3	93.0	90.5	89.7	101.1	110.2	110.8	117.6
Autos	71.6	78.3	76.8	75.1	85.4	92.0	89.7	97.7
Trucks	15.7	14.7	13.7	14.6	15.6	18.2	21.2	19.9
Change in private inventories	5.2	1.0	-18.1	3.6	16.6	6.4	2.5	13.3
Autos	1.6	3.4	-7.2	7.2	12.9	1.7	-7.9	3.3
New .....	.4	2.6	-14.4	10.2	12.6	1.0	-5.4	1.9
Domestic .....	.5	1.1	-15.7	11.0	10.4	1.0	-7.0	1.3
Foreign	-1	1.5	1.1	-7	2.2	-1	1.5	.7
Used	1.3	.8	7.7	-3.2	.1	.8	-2.5	1.3
New trucks	3.5	-2.2	-10.6	-3.2	3.9	4.5	9.2	9.4
Domestic	2.9	-2.0	-11.4	-1.6	3.9	3.3	9.6	10.2
Foreign .....	.6	-1	.8	-1.7	0	1.1	-4	-9
Residual	-2	-3	-6	-4	.1	-1	.9	.3
Addenda:								
Final sales of motor vehicles to domestic purchasers	348.6	381.7	383.3	368.7	407.2	409.2	418.1	436.0
Private fixed investment in new autos and new light trucks	136.6	143.3	147.9	133.7	150.9	153.3	159.4	172.1
Domestic output of new autos ²	116.4	114.6	105.6	115.6	123.8	115.4	115.9	121.3
Sales of imported new autos ³	60.5	71.7	73.3	67.1	77.3	75.5	81.0	82.2

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.

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 December 23, 1999 and include "preliminary" estimates for November 1999 and "revised" estimates for July–October 1999.

Table B.1.—Personal Income
[Billions of dollars; monthly estimates seasonally adjusted at annual rates]

	1997	1998	1998			1999										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^r	Nov. ^p
Personal income	6,951.1	7,358.9	7,481.5	7,556.5	7,554.5	7,599.0	7,636.4	7,655.3	7,692.7	7,721.8	7,783.3	7,806.0	7,840.0	7,848.1	7,948.5	7,983.9
Wage and salary disbursements	3,888.9	4,186.0	4,272.0	4,301.1	4,318.8	4,350.7	4,377.9	4,385.8	4,410.4	4,432.1	4,455.4	4,491.4	4,508.2	4,528.5	4,556.4	4,570.0
Private industries	3,224.4	3,493.2	3,571.2	3,598.4	3,614.0	3,637.6	3,661.7	3,667.7	3,690.7	3,711.3	3,731.9	3,764.2	3,777.6	3,795.6	3,820.7	3,831.6
Goods-producing industries	975.5	1,038.7	1,053.7	1,056.4	1,059.7	1,060.4	1,063.8	1,064.4	1,070.2	1,074.8	1,080.4	1,089.8	1,087.3	1,093.6	1,100.2	1,097.9
Manufacturing	718.8	757.5	766.0	765.5	765.2	766.3	767.2	767.5	770.5	774.9	776.0	786.0	785.2	788.0	792.5	786.9
Distributive industries	879.1	944.6	963.8	970.9	975.0	981.3	989.7	987.8	993.4	996.4	1,003.1	1,009.8	1,013.1	1,017.3	1,020.5	1,023.1
Service industries	1,369.8	1,509.9	1,553.6	1,571.1	1,579.3	1,596.0	1,608.2	1,615.5	1,627.1	1,640.0	1,648.4	1,664.6	1,677.2	1,684.6	1,700.0	1,710.6
Government	664.4	692.8	700.9	702.8	704.8	713.1	716.1	718.1	719.8	720.8	723.5	727.2	730.7	732.9	735.7	738.4
Other labor income	500.9	515.7	520.6	522.1	523.6	526.1	528.1	529.8	531.3	533.0	534.8	536.7	538.6	540.3	542.0	543.8
Proprietors' income with IVA and CCAdj	578.6	606.1	622.0	655.3	634.0	637.3	641.6	640.9	648.4	646.6	670.8	653.7	657.8	650.6	689.2	698.2
Farm	29.5	25.1	29.6	60.0	33.7	33.6	33.7	30.1	30.1	27.3	45.0	23.5	21.4	18.0	47.1	49.3
Nonfarm	549.1	581.0	592.4	595.3	600.3	603.7	608.0	610.8	618.4	619.4	625.8	630.2	636.4	632.5	642.1	648.9
Rental income of persons with CCAdj	130.2	137.4	143.3	150.9	146.7	147.6	148.8	149.3	148.6	147.3	150.5	144.9	143.6	128.5	148.7	150.6
Personal dividend income	333.4	348.3	350.6	351.9	353.2	354.6	356.0	357.6	359.3	361.2	363.0	364.9	367.0	369.0	371.1	373.1
Personal interest income	854.9	897.8	906.8	906.3	906.2	905.8	906.8	909.6	914.3	921.0	926.2	932.4	938.8	945.3	952.2	958.8
Transfer payments to persons	962.4	983.6	986.9	991.1	995.1	1,004.7	1,006.6	1,012.0	1,011.3	1,013.0	1,016.4	1,017.8	1,022.6	1,023.6	1,028.3	1,029.5
Old-age, survivors, disability, and health insurance benefits	565.8	578.1	579.5	580.0	583.7	587.4	588.6	590.5	592.0	592.5	594.5	596.8	599.4	600.8	604.3	604.3
Government unemployment insurance benefits	20.0	19.8	18.3	20.9	20.6	20.4	20.4	20.7	20.4	20.1	20.4	20.2	20.4	20.1	19.9	20.1
Other	376.6	385.7	389.1	390.2	390.7	396.9	397.5	400.8	398.9	400.3	401.5	400.8	402.8	402.8	404.2	405.1
Less: Personal contributions for social insurance	298.1	315.9	320.6	322.2	323.1	327.7	329.3	329.6	331.1	332.3	333.7	335.7	336.6	337.8	339.3	340.0

^p Preliminary.^r Revised.

CCAdj Capital consumption adjustment.

IVA Inventory valuation adjustment.

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

Table B.2.—The Disposition of Personal Income
[Monthly estimates seasonally adjusted at annual rates]

	1997	1998	1998			1999										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^r	Nov. ^p
Billions of dollars, unless otherwise indicated																
Personal income	6,951.1	7,358.9	7,481.5	7,556.5	7,554.5	7,599.0	7,636.4	7,655.3	7,692.7	7,721.8	7,783.3	7,806.0	7,840.0	7,848.1	7,948.5	7,983.9
Less: Personal tax and nontax payments	968.3	1,072.6	1,102.6	1,113.7	1,122.8	1,124.0	1,128.3	1,122.2	1,129.3	1,139.4	1,149.5	1,159.5	1,151.0	1,170.7	1,175.9	1,182.7
Equals: Disposable personal income	5,982.8	6,286.2	6,379.0	6,442.8	6,431.7	6,475.0	6,508.1	6,533.1	6,563.5	6,582.4	6,633.8	6,646.5	6,689.0	6,677.4	6,772.7	6,801.2
Less: Personal outlays	5,711.7	6,056.6	6,163.0	6,179.5	6,228.3	6,256.6	6,309.0	6,385.4	6,390.6	6,425.6	6,459.6	6,485.7	6,537.7	6,571.0	6,617.8	6,648.9
Personal consumption expenditures	5,524.4	5,848.6	5,947.9	5,962.8	6,010.5	6,038.0	6,089.3	6,145.0	6,168.4	6,202.1	6,231.8	6,259.1	6,309.9	6,342.2	6,387.0	6,416.7
Durable goods	824.9	698.2	715.2	718.4	734.8	721.4	741.9	753.8	745.0	752.0	757.8	753.1	765.7	766.6	767.6	777.3
Nondurable goods	1,641.7	1,708.8	1,731.3	1,742.9	1,754.6	1,771.2	1,790.6	1,801.6	1,818.3	1,826.3	1,829.8	1,836.4	1,854.9	1,870.4	1,884.8	1,891.7
Services	3,239.8	3,441.5	3,501.4	3,501.4	3,521.1	3,545.4	3,556.8	3,589.6	3,605.1	3,623.8	3,644.1	3,669.5	3,689.2	3,705.1	3,734.6	3,747.

^p Preliminary.^r Revised.

1. Disposable personal income in chained (1996) dollars equals the current-dollar figure divided by the implicit price deflator for personal consumption expenditures.

2. Monthly estimates equal personal saving for the month as a percentage of disposable personal income for that month.

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

Annual Estimates:

Except as noted, these tables are derived from the NIPA tables published in the December 1999 SURVEY OF CURRENT BUSINESS; they are consistent with the 1999 comprehensive revision.

“Table B.3.—Gross Domestic Product by Industry, Current-Dollar and Real Estimates” is not published in this issue. The table will be published when the estimates of gross domestic product by industry are revised to incorporate the results of the most recent comprehensive revision of the NIPA’s. An article presenting the revised estimates of gross domestic product by industry is scheduled to be published in the May 2000 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		
	1996	1997	1998	1996	1997	1998		1996	1997	1998	1996	1997	1998
Personal consumption expenditures	5,237.5	5,524.4	5,848.6	5,237.5	5,433.7	5,698.6	Brokerage charges and investment counseling (s.)	43.2	50.9	59.2	43.2	51.1	60.9
Food and tobacco	834.1	866.3	907.4	834.1	846.2	866.2	Bank service charges, trust services, and safe deposit box rental (s.)	42.9	47.9	55.7	42.9	45.7	51.7
Food purchased for off-premise consumption (n.d.)	476.7	489.5	509.4	476.7	480.5	494.0	Services furnished without payment by financial intermediaries except life insurance carriers (s.)	177.0	203.3	218.4	177.0	203.1	215.5
Purchased meals and beverages ¹ (n.d.)	300.5	318.3	334.7	300.5	309.8	317.6	Expense of handling life insurance and pension plans ¹⁷ (s.)	81.3	89.0	91.3	81.3	84.5	82.4
Food furnished to employees (including military) (n.d.)	8.2	8.5	8.8	8.2	8.3	8.4	Legal services (s.)	51.5	55.0	58.5	51.5	52.9	53.8
Food produced and consumed on farms (n.d.)	.5	.5	.5	.5	.5	.5	Funeral and burial expenses (s.)	14.5	15.3	16.0	14.5	14.6	14.7

Table B.5.—Private Fixed Investment in Structures by Type

	Billions of dollars			Billions of chained (1996) dollars		
	1996	1997	1998	1996	1997	1998
Private fixed investment in structures	530.6	575.4	633.2	530.6	556.8	595.8
Nonresidential	225.0	254.1	272.8	225.0	244.0	254.1
New	224.6	252.9	272.6	224.6	242.8	253.9
Nonresidential buildings, excluding farm	158.0	177.1	193.1	158.0	171.6	180.9
Industrial	32.7	31.4	32.3	32.7	30.4	30.2
Commercial	78.7	89.7	100.0	78.7	86.9	93.8
Office buildings ¹	32.4	39.9	48.3	32.4	38.7	45.3
Other ²	46.3	49.8	51.7	46.3	48.2	48.5
Religious	4.4	5.6	6.5	4.4	5.4	6.1
Educational	7.7	9.8	10.8	7.7	9.5	10.2
Hospital and institutional	13.1	15.1	15.2	13.1	14.6	14.3
Other ³	21.4	25.5	28.2	21.4	24.7	26.4
Utilities	36.0	36.5	39.2	36.0	35.7	38.0
Railroads	4.4	4.9	5.3	4.4	4.8	5.1
Telecommunications	11.7	12.6	14.3	11.7	12.4	14.1
Electric light and power	11.3	11.3	11.7	11.3	11.1	11.2
Gas	7.6	6.6	6.6	7.6	6.5	6.3
Petroleum pipelines	1.0	1.0	1.3	1.0	.9	1.2
Farm	3.7	3.8	3.9	3.7	3.7	3.6
Mining exploration, shafts, and wells	21.1	30.0	30.0	21.1	26.4	25.4
Petroleum and natural gas	19.4	28.3	28.0	19.4	24.7	23.5
Other	1.7	1.7	2.0	1.7	1.6	1.9
Other ⁴	5.8	5.5	6.4	5.8	5.3	6.0
Brokers' commissions on sale of structures	1.8	2.0	2.2	1.8	2.0	2.1
Net purchases of used structures	-1.4	-8	-2.0	-1.4	-8	-1.9
Residential	305.6	321.3	360.4	305.6	312.7	341.8
New	269.8	282.1	314.4	269.8	273.8	297.5
New housing units	192.2	200.8	229.1	192.2	194.9	216.7
Permanent site	179.4	187.3	213.9	179.4	181.7	202.0
Single-family structures	159.1	164.4	189.5	159.1	159.8	180.3
Multifamily structures	20.3	22.9	24.5	20.3	21.9	21.8
Manufactured homes	12.8	13.5	15.2	12.8	13.3	14.7
Improvements	77.0	80.5	84.4	77.0	78.1	79.9
Other ⁵ .....	.6	.8	.9	.6	.8	.9
Brokers' commissions on sale of structures	37.5	41.7	49.0	37.5	41.4	47.3
Net purchases of used structures	-1.7	-2.5	-3.0	-1.7	-2.4	-2.9
Residual				0	.2	-.3

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		
	1996	1997	1998	1996	1997	1998
Private fixed investment in equipment and software	682.1	739.9	826.8	682.1	759.7	879.0
Nonresidential equipment and software	674.4	732.1	818.5	674.4	751.9	870.6
Information processing equipment and software	287.3	315.4	356.9	287.3	339.4	418.5
Computers and peripheral equipment ¹	70.9	76.7	88.5	70.9	99.0	154.2
Software ²	95.1	106.6	123.4	95.1	109.4	129.2
Communication equipment	65.6	73.0	83.6	65.6	73.8	85.9
Instruments	33.3	35.0	36.3	33.3	34.8	36.1
Photocopy and related equipment	14.7	15.8	15.2	14.7	15.7	15.4
Office and accounting equipment	7.8	8.3	9.8	7.8	8.4	9.8
Industrial equipment	136.4	142.3	150.2	136.4	141.3	148.1
Fabricated metal products	13.4	13.2	14.0	13.4	13.1	13.9
Engines and turbines	4.3	3.5	4.3	4.3	3.5	4.2
Metalworking machinery	31.7	35.0	36.4	31.7	34.9	36.0
Special industry machinery, n.e.c.	34.6	35.2	35.7	34.6	34.9	35.0
General industrial, including materials handling, equipment	31.6	33.5	36.8	31.6	33.1	36.1
Electrical transmission, distribution, and industrial apparatus	20.9	21.9	23.0	20.9	21.9	23.0
Transportation equipment	138.9	150.9	176.0	138.9	149.6	175.3
Trucks, buses, and truck trailers	77.9	87.0	97.0	77.9	87.4	98.5
Autos	41.3	41.7	40.5	41.3	40.2	39.0
Aircraft	12.2	14.4	28.0	12.2	14.2	27.5
Ships and boats	2.2	2.2	3.0	2.2	2.2	2.9
Railroad equipment	5.4	5.6	7.5	5.4	5.7	7.6
Other equipment	116.5	128.0	140.5	116.4	126.7	137.9
Furniture and fixtures	27.6	31.2	33.7	27.6	30.7	33.0
Tractors	10.6	11.4	12.1	10.6	11.4	12.0
Agricultural machinery, except tractors	11.4	12.2	12.9	11.4	12.1	12.6
Construction machinery, except tractors	17.3	19.6	22.4	17.3	19.2	21.6
Mining and oilfield machinery	2.8	3.1	4.6	2.8	3.0	4.5
Service industry machinery	14.2	14.4	15.7	14.2	14.2	15.3
Electrical equipment, n.e.c.	10.6	11.6	12.8	10.6	11.8	13.1
Other	21.9	24.5	26.2	21.9	24.3	25.8
Less: Sale of equipment scrap, excluding autos	4.6	4.5	4.9	4.6	4.4	5.7
Residential equipment	7.7	7.9	8.3	7.7	7.9	8.4
Residual				-3	-2.7	-15.9
Addenda:						
Private fixed investment in equipment and software	682.1	739.9	826.8			
Less: Dealers' margin on used equipment	7.0	7.4	8.3			
Net purchases of used equipment from government .....	.8	.9	.9			
Plus: Net sales of used equipment	38.4	38.9	40.7			
Net exports of used equipment .....	.4	.4	.7			
Sale of equipment scrap	4.7	4.6	5.0			
Equals: Private fixed investment in new equipment and software	717.7	775.7	864.2			

1. Includes new computers and peripheral equipment only.

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		
	1996	1997	1998	1996	1997	1998		1996	1997	1998	1996	1997	1998
Total	4,395,585	4,675,738	5,011,190	3,630,142	3,884,713	4,189,515							
Domestic industries	4,400,135	4,680,700	5,016,446	3,634,692	3,889,675	4,194,771							
Private industries	3,550,510	3,803,231	4,106,570	2,993,688	3,225,229	3,501,946							
Agriculture, forestry, and fishing	39,815	42,742	46,353	34,570	37,392	40,880	Communications	75,252	81,897	90,050	62,060	68,038	75,333
Farms	16,576	17,470	18,580	14,184	15,048	16,223	Telephone and telegraph	58,822	62,125	67,911	46,812	51,332	58,507
Agricultural services, forestry, and fishing	23,239	25,272	27,773	20,386	22,344	24,657	Radio and television	18,430	19,772	22,139	15,448	16,706	18,826
Mining	33,365	35,490	36,283	27,796	29,702	30,482	Electric, gas, and sanitary services	53,233	54,297	55,956	43,920	45,031	46,628
Metal mining	3,202	3,247	3,064	2,619	2,672	2,522	Wholesale trade	288,768	310,227	335,441	246,699	265,850	288,598
Coal mining	5,736	5,689	5,573	4,728	4,714	4,628	Retail trade	398,276	420,173	446,621	345,115	365,733	390,983
Oil and gas extraction	19,670	21,519	22,295	16,495	18,106	18,838	Finance, insurance, and real estate	351,798	381,762	425,875	300,446	327,406	366,882
Nonmetallic minerals, except fuels	4,757	5,035	5,351	3,954	4,210	4,494	Depository institutions	82,740	87,268	93,358	69,505	73,602	79,042
Construction	208,199	227,184	248,958	172,199	189,379	209,700	Nondepository institutions	25,330	30,143	38,784	21,267	25,501	33,035
Manufacturing	822,405	867,598	914,904	675,087	715,009	757,707	Security and commodity brokers	72,063	80,219	92,271	64,026	71,282	82,344
Durable goods	508,042	540,144	573,894	416,305	443,950	474,133	Insurance carriers	75,441	79,756	86,740	63,367	67,301	73,464
Lumber and wood products	24,805	26,172	27,697	20,448	21,739	23,098	Insurance agents, brokers, and service	32,424	35,006	36,994	28,034	30,389	32,181
Furniture and fixtures	15,682	16,664	18,138	12,956	13,848	15,156	Real estate	44,526	48,461	54,353	37,978	41,581	46,486
Stone, clay, and glass products	22,820	23,737	25,161	18,556	19,425	20,695	Holding and other investment offices ..	19,274	20,909	23,395	16,269	17,750	19,970
Primary metal industries	35,852	36,839	37,826	28,662	29,633	30,544	Services	1,122,869	1,216,466	1,329,752	960,212	1,047,860	1,151,057
Fabricated metal products	59,626	62,803	65,925	48,438	51,361	54,184	Hotels and other lodging places	38,117	40,284	43,504	32,321	34,524	37,426
Industrial machinery and equipment ..	103,632	112,597	120,168	86,419	94,488	101,317	Personal services	24,167	25,355	26,886	21,244	22,442	23,848
Electronic and other electric equipment	80,905	86,864	93,350	66,305	71,668	77,424	Business services	220,399	255,822	300,529	190,630	223,151	263,626
Motor vehicles and equipment	58,037	61,731	65,081	46,773	48,427	51,389	Auto repair, services, and parking	30,089	32,082	34,339	26,211	28,128	30,180
Other transportation equipment	45,627	48,930	52,687	37,099	40,133	43,459	Miscellaneous repair services	12,050	12,460	13,337	10,443	10,877	11,672
Instruments and related products	47,211	49,279	52,549	39,455	41,388	44,327	Motion pictures	17,976	20,225	21,723	15,599	17,739	19,069
Miscellaneous manufacturing industries	13,845	14,528	15,312	11,194	11,840	12,540	Amusement and recreation services ...	36,934	39,947	43,554	31,670	34,649	37,893
Nondurable goods	314,363	327,454	341,010	258,782	271,059	283,574	Health services	365,617	383,237	399,740	303,697	319,388	335,207
Food and kindred products	61,472	63,596	66,368	50,558	52,652	55,218	Legal services	55,150	62,541	67,700	47,851	54,931	59,561
Textile mill products	18,623	19,176	19,171	15,612	16,142	16,196	Educational services	54,500	57,763	62,609	46,493	49,702	53,998
Apparel and other textile products	20,195	20,050	19,722	16,778	16,751	16,524	Social services and membership organizations	94,666	99,728	106,667	82,818	87,999	94,268
Paper and allied products	32,978	33,860	34,511	27,566	28,427	29,087	Social services	47,894	51,109	55,606	40,468	43,668	47,698
Printing and publishing	61,849	65,098	68,925	51,835	54,831	58,353	Membership organizations	46,772	48,619	51,061	42,350	44,331	46,570
Chemicals and allied products	67,418	71,262	75,339	54,422	57,851	61,478	Other services ²	161,195	174,969	195,159	139,550	152,598	170,667
Petroleum and coal products	9,721	10,109	10,757	7,754	8,105	8,669	Private households	12,009	12,053	14,005	11,885	11,732	13,642
Rubber and miscellaneous plastics products	36,524	38,530	40,638	29,817	31,672	33,590	Government	849,625	877,469	909,876	641,004	664,446	692,825
Leather and leather products	2,683	2,678	2,628	2,241	2,250	2,213	Federal	263,231	266,942	270,470	175,561	177,337	179,803
Transportation and public utilities	285,015	301,589	322,383	231,564	246,898	265,657	General government	211,001	211,725	214,394	140,104	140,083	142,060
Transportation	156,530	165,395	176,377	125,584	133,829	143,696	Civilian	124,935	125,748	128,743	85,294	85,116	86,980
Railroad transportation	15,652	15,888	15,851	11,543	11,753	11,546	Military ³	86,066	85,977	85,651	54,810	54,967	55,080
Local and interurban passenger transit	10,053	10,520	11,211	8,366	8,857	9,496	Government enterprises	52,230	55,217	56,076	35,457	37,254	37,743
Trucking and warehousing ¹	58,494	62,333	66,698	47,074	50,678	54,671	State and local	586,394	610,527	639,406	465,443	487,109	513,022
Water transportation	7,873	8,358	8,797	6,463	6,912	7,325	General government	548,416	571,835	599,389	434,766	455,669	480,277
Transportation by air ¹	48,637	51,162	55,213	38,839	41,143	44,826	Education	290,650	304,851	321,381	228,486	240,772	255,052
Pipelines, except natural gas	971	995	997	816	839	847	Other	257,766	266,984	278,028	206,280	214,897	225,225
Transportation services	14,850	16,139	17,610	12,483	13,647	14,985	Government enterprises	37,978	38,692	40,017	30,677	31,440	32,745
Public utilities	285,015	301,589	322,383	231,564	246,898	265,657	Rest of the world	-4,550	-4,962	-5,256	-4,550	-4,962	-5,256
Electric, gas, and sanitary services	53,233	54,297	55,956	43,920	45,031	46,628	Receipts from the rest of the world	1,756	1,802	1,856	1,756	1,802	1,856
Telephone and telegraph	58,822	62,125	67,911	46,812	51,332	58,507	Less: Payments to the rest of the world ⁴ ..	6,306	6,764	7,112	6,306	6,764	7,112
Radio and television	18,430	19,772	22,139	15,448	16,706	18,826	Addenda:						
Electric, gas, and sanitary services	53,233	54,297	55,956	43,920	45,031	46,628	Households and institutions	348,558	366,180	385,575			
Insurance carriers	75,441	79,756	86,740	63,367	67,301	73,464	Nonfarm business	3,275,584	3,513,490	3,798,508			

1. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.
2. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.
3. Includes Coast Guard.
4. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

temporarily in the United States.

NOTE.—Estimates in this table are based on the 1987 Standard Industrial Classification (SIC). Compensation equals wage and salary accruals plus supplements to wages and salaries. "Supplements" are listed in table 8.17 of the December 1999 SURVEY OF CURRENT BUSINESS.

Table B.8.—Employment by Industry
[Thousands]

	Full-time and part-time employees			Persons engaged in production ¹				Full-time and part-time employees			Persons engaged in production ¹		
	1996	1997	1998	1996	1997	1998		1996	1997	1998	1996	1997	1998
Total	127,009	130,085	133,378	123,824	126,757	129,549							
Domestic industries	127,494	130,617	133,917	124,240	127,213	130,011							
Private industries	105,559	108,583	111,702	105,912	108,798	111,461							
Agriculture, forestry, and fishing	2,048	2,137	2,193	3,338	3,321	3,338							
Farms	832	876	880	1,827	1,814	1,705							
Agricultural services, forestry, and fishing	1,216	1,261	1,313	1,511	1,507	1,633							
Mining	582	601	593	586	603	601							
Metal mining	54	54	49	56	54	49							
Coal mining	99	97	93	97	95	93							
Oil and gas extraction	321	340	340	326	345	349							
Nonmetallic minerals, except fuels	108	110	111	107	109	110							
Construction	5,671	5,964	6,297	6,950	7,254	7,603							
Manufacturing	18,579	18,770	18,935	18,576	18,774	18,944							
Durable goods	10,838	11,061	11,277	10,911	11,134	11,355							
Lumber and wood products	801	819	840	856	862	896							
Furniture and fixtures	506	513	535	521	530	544							
Stone, clay, and glass products	546	555	566	561	563	569							
Primary metal industries	708	710	714	706	706	710							
Fabricated metal products	1,453	1,485	1,517	1,447	1,481	1,514							
Industrial machinery and equipment	2,117	2,175	2,217	2,096	2,173	2,216							
Electronic and other electric equipment	1,680	1,693	1,709	1,655	1,682	1,699							
Motor vehicles and equipment	968	984	999	961	977	997							
Other transportation equipment	821	858	899	820	855	902							
Instruments and related products	854	865	872	849	860	864							
Miscellaneous manufacturing industries	404	404	409	439	445	444							
Nondurable goods	7,741	7,709	7,658	7,665	7,640	7,589							
Food and kindred products	1,697	1,694	1,694	1,664	1,676	1,672							
Tobacco products	41	41	40	40	40	39							
Textile mill products	630	618	599	632	620	600							
Apparel and other textile products	874	829	770	880	830	775							
Paper and allied products	683	685	679	678	677	672							
Printing and publishing	1,564	1,579	1,594	1,535	1,562	1,578							
Chemicals and allied products	1,033	1,036	1,042	1,025	1,023	1,028							
Petroleum and coal products	139	137	137	138	135	136							
Rubber and miscellaneous plastics products	981	998	1,016	971	988	1,004							
Leather and leather products	99	92	87	102	89	85							
Transportation and public utilities	6,293	6,467	6,671	6,318	6,473	6,648							
Transportation	4,063	4,176	4,336	4,181	4,284	4,433							
Railroad transportation	223	220	216	211	208	205							
Local and interurban passenger transit	440	457	473	445	481	486							
Trucking and warehousing ²	1,659	1,708	1,777	1,853	1,879	1,954							
Water transportation	177	183	185	174	179	185							
Transportation by air ²	1,119	1,141	1,200	1,050	1,068	1,124							
Public utilities													
Wholesale trade	6,560	6,746	6,923	6,587	6,735	6,919							
Retail trade	22,256	22,636	23,006	19,851	20,258	20,419							
Finance, insurance, and real estate	7,053	7,256	7,539	7,310	7,424	7,636							
Depository institutions	2,017	2,031	2,046	1,923	1,925	1,933							
Nondepository institutions	514	575	664	507	564	645							
Security and commodity brokers	581	630	681	646	679	732							
Insurance carriers	1,505	1,527	1,576	1,449	1,463	1,503							
Insurance agents, brokers, and service	746	767	787	871	875	880							
Real estate	1,442	1,481	1,535	1,676	1,684	1,706							
Holding and other investment offices	248	245	250	238	234	237							
Services	36,517	38,006	39,545	36,396	37,956	39,353							
Hotels and other lodging places	1,794	1,833	1,876	1,620	1,665	1,703							
Personal services	1,318	1,326	1,340	1,798	1,789	1,804							
Business services	7,485	8,148	8,793	7,651	8,261	9,000							
Auto repair, services, and parking	1,205	1,248	1,275	1,481	1,511	1,522							
Miscellaneous repair services	389	389	395	569	582	591							
Motion pictures	539	569	592	583	610	644							
Amusement and recreation services	1,590	1,664	1,729	1,400	1,485	1,496							
Health services	9,813	10,038	10,197	9,167	9,402	9,503							
Legal services	1,064	1,094	1,113	1,145	1,200	1,231							
Educational services	2,113	2,179	2,262	1,962	2,003	2,092							
Social services and membership organizations	4,759	4,949	5,154	4,618	4,816	4,991							
Social services	2,515	2,620	2,750	2,752	2,879	2,992							
Membership organizations	2,244	2,329	2,404	1,866	1,937	1,999							
Other services ³	3,202	3,346	3,539	3,574	3,798	3,894							
Private households	1,246	1,233	1,280	828	834	882							
Government	21,935	22,034	22,215	18,328	18,415	18,550							
Federal	5,387	5,268	5,196	4,378	4,272	4,218							
General government	4,397	4,276	4,200	3,575	3,477	3,416							
Civilian	1,951	1,900	1,878	1,913	1,870	1,845							
Military ⁴	2,446	2,376	2,322	1,662	1,607	1,571							
Government enterprises	990	992	996	803	795	802							
State and local	16,548	16,766	17,019	13,950	14,143	14,332							
General government	15,704	15,933	16,181	13,079	13,282	13,466							
Education	8,522	8,716	8,896	6,887	7,054	7,184							
Other	7,182	7,217	7,285	6,192	6,228	6,282							
Government enterprises	844	833	838	871	861	866							
Rest of the world ⁵	-485	-532	-539	-416	-456	-462							

1. Equals the number of full-time equivalent employees plus the number of self-employed persons. Unpaid family workers are not included.

2. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.

3. Consists of museums, botanical and zoological gardens; engineering and management services; and services, not elsewhere classified.

4. Includes Coast Guard.

5. Beginning with 1993, 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			Full-time equivalent employees ¹				Wage and salary accruals per full-time equivalent			Full-time equivalent employees ¹		
	Dollars			Thousands				Dollars			Thousands		
	1996	1997	1998	1996	1997	1998		1996	1997	1998	1996	1997	1998
Total	32,040	33,428	35,112	113,300	116,213	119,317							
Domestic industries	31,963	33,339	35,021	113,716	116,669	119,779							
Private industries	31,384	32,825	34,594	95,388	98,254	101,229							
Agriculture, forestry, and fishing	19,324	20,333	20,730	1,789	1,839	1,972							
Farms	19,893	20,037	21,516	713	751	754							
Agricultural services, forestry, and fishing	18,946	20,537	20,244	1,076	1,088	1,218							
Mining	48,680	50,428	52,465	571	589	581							
Metal mining	48,500	49,481	51,469	54	54	49							
Coal mining	48,742	49,621	50,857	97	95	91							
Oil and gas extraction	52,365	54,372	56,571	315	333	333							
Nonmetallic minerals, except fuels	37,657	39,346	41,611	105	107	108							
Construction	31,631	32,924	34,524	5,444	5,752	6,074							
Manufacturing	37,158	38,965	40,928	18,168	18,350	18,513							
Durable goods	39,038	40,804	42,715	10,664	10,880	11,100							
Lumber and wood products	26,148	27,448	28,272	782	792	817							
Furniture and fixtures	26,068	27,641	28,979	497	501	523							
Stone, clay, and glass products	34,880	35,708	37,088	532	544	558							
Primary metal industries	40,771	42,033	43,080	703	705	709							
Fabricated metal products	33,968	35,155	36,292	1,428	1,461	1,483							
Industrial machinery and equipment	41,688	44,133	46,454	2,074	2,141	2,181							
Electronic and other electric equipment	40,307	42,838	45,840	1,645	1,673	1,689							
Motor vehicles and equipment	48,773	49,669	51,908	959	975	990							
Other transportation equipment	45,520	47,215	48,776	815	850	891							
Instruments and related products	46,859	48,635	51,663	842	851	858							
Miscellaneous manufacturing industries	28,776	30,594	32,072	389	387	391							
Nondurable goods	34,496	36,286	38,254	7,504	7,470	7,413							
Food and kindred products	30,567	31,891	33,506	1,854	1,851	1,848							
Tobacco products	54,975	59,450	57,590	40	40	39							
Textile mill products	25,019	26,376	27,312	624	612	593							
Apparel and other textile products	19,832	20,861	22,180	846	803	745							
Paper and allied products	40,718	42,177	43,349	677	674	671							
Printing and publishing	35,897	37,427	39,481	1,444	1,465	1,478							
Chemicals and allied products	53,303	56,772	60,096	1,021	1,019	1,023							
Petroleum and coal products	56,188	60,037	64,215	138	135	135							
Rubber and miscellaneous plastics products	30,898	32,253	33,691	965	982	997							
Leather and leather products	23,589	25,281	26,345	95	89	84							
Transportation and public utilities	39,355	40,897	42,717	5,884	6,037	6,219							
Transportation	33,197	34,439	35,621	3,783	3,886	4,034							
Railroad transportation	54,706	56,505	58,322	211	208	205							
Local and interurban passenger transit	20,611	21,189	21,981	402	418	432							
Trucking and warehousing ²	30,351	31,753	32,934	1,551	1,596	1,660							
Water transportation	38,934	40,421	42,341	166	171	173							
Transportation by air ²	37,238	38,705	40,095	1,043	1,063	1,118							
Government	34,974	36,082	37,349	18,328	18,415	18,550							
Federal	40,101	41,511	42,628	4,378	4,272	4,218							
General government	39,190	40,288	41,587	3,575	3,477	3,416							
Civilian	44,587	45,517	47,144	1,913	1,870	1,845							
Military ⁴	32,978	34,205	35,060	1,662	1,607	1,571							
Government enterprises	44,156	45,880	47,061	803	795	802							
State and local	33,365	34,442	35,796	13,950	14,143	14,332							
General government	33,242	34,307	35,666	13,079	13,282	13,466							
Education	33,176	34,133	35,503	6,887	7,054	7,184							
Other	33,314	34,505	35,852	6,192	6,228	6,282							
Government enterprises	35,220	36,5											

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. Reflects the reclassification of air couriers from trucking and warehousing to transportation by air.

3. Consists of museums, botanical and zoological gardens; engineering and management services; and services,

not elsewhere classified.

4. Includes Coast Guard.

5. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

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

Table B.10.—Farm Sector Output, Gross Product, and National Income

	Billions of dollars			Billions of chained (1996) dollars		
	1996	1997	1998	1996	1997	1998
Farm output	222.6	226.2	214.2	222.6	237.3	237.9
Cash receipts from farm marketings	201.2	208.7	198.2	201.2	218.7	220.3
Crops	108.3	112.1	103.7	108.3	121.2	121.8
Livestock	93.0	96.5	94.5	93.0	97.5	98.7
Farm housing	6.2	6.4	6.6	6.2	6.0	5.9
Farm products consumed on farms .....	.5	.5	.5	.5	.5	.5
Other farm income	6.8	7.8	8.6	6.8	8.2	9.6
Change in farm inventories	7.9	2.8	.3	7.9	3.0	.9
Crops	9.0	3.1	.9	9.0	3.4	1.7
Livestock	-1.1	-4	-6	-1.1	-4	-7
Less: Intermediate goods and services purchased	130.4	138.1	134.1	130.4	134.7	137.4
Intermediate goods and services, other than rent	114.3	122.1	119.0	114.3	119.2	121.9
Rent paid to nonoperator landlords ..	16.1	16.0	15.1	16.1	15.5	15.5
Equals: Gross farm product	92.2	88.0	80.2	92.2	103.1	100.5
Less: Consumption of fixed capital	25.4	26.2	27.1	25.4	25.8	26.3
Equals: Net farm product	66.8	61.9	53.1	66.8	77.7	74.2
Less: Indirect business tax and nontax liability	5.0	5.2	5.3			
Plus: Subsidies to operators	6.2	6.3	10.7			
Equals: Farm national income	68.1	63.0	58.6			
Compensation of employees	16.6	17.5	18.6			
Wage and salary accruals	14.2	15.0	16.2			
Supplements to wages and salaries	2.4	2.4	2.4			
Proprietors' income and corporate profits with inventory valuation and capital consumption adjustments	42.0	35.5	29.2			
Proprietors' income	34.3	29.5	25.1			
Corporate profits	7.7	6.0	4.1			
Net interest	9.5	10.1	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		
	1996	1997	1998	1996	1997	1998
Housing output ¹	742.3	777.9	822.8	742.3	755.9	775.2
Nonfarm housing	736.1	771.5	816.2	736.1	749.9	769.3
Owner-occupied	555.4	585.5	622.6	555.4	569.0	586.6
Tenant-occupied	180.6	186.0	193.6	180.6	180.9	182.6
Farm housing	6.2	6.4	6.6	6.2	6.0	5.9
Less: Intermediate goods and services consumed	94.4	103.9	116.8	94.4	100.1	110.0
Equals: Gross housing product	647.9	673.9	705.9	647.9	655.8	665.1
Nonfarm housing	642.8	668.6	700.4	642.8	650.8	660.2
Owner-occupied	482.3	505.7	531.5	482.3	491.9	500.9
Tenant-occupied	160.5	162.9	169.0	160.5	158.9	159.4
Farm housing	5.1	5.3	5.5	5.1	5.0	4.9
Less: Consumption of fixed capital	119.6	126.2	131.9	119.6	122.5	125.7
Capital consumption allowances	63.6	67.6	71.9			
Less: Capital consumption adjustment	-56.0	-58.6	-60.0			
Equals: Net housing product	528.4	547.7	574.0	528.4	533.2	539.4
Less: Indirect business tax and nontax liability plus business transfer payments ..	118.9	123.4	127.9			
Plus: Subsidies less current surplus of government enterprises	23.3	23.9	23.9			
Equals: Housing national income	432.8	448.3	470.0			
Compensation of employees	8.4	9.0	9.6			
Proprietors' income with inventory valuation adjustment and capital consumption adjustment	22.6	21.6	22.0			
Rental income of persons with capital consumption adjustment	111.2	111.5	119.3			
Corporate profits with inventory valuation adjustment and capital consumption adjustment	4.7	4.7	4.9			
Net interest	285.7	301.6	314.2			

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 Fixed Private Capital, by Type" is not published in this issue. The table will be published when the estimates of fixed assets and consumer durable goods are revised to incorporate the results of the most recent comprehensive revision of the NIPA's. An article presenting the revised estimates of fixed assets and consumer durable goods is scheduled to be published in the March 2000 SURVEY.

C. Historical Measures

This table is derived from the "GDP and Other Major NIPA Series" tables that were published in the December 1999 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.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases
[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	Percent change from preceding period		Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product	Chain-type price index		Implicit price deflators	
				Gross domestic product	Final sales of domestic product					Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1959: I	2,300.0	2,298.4	2,315.7	.....	.....	22.06	21.57	22.06	22.04	.....	.....	.....	.....
1959: II	2,357.2	2,359.0	2,374.4	2.5	2.6	22.37	21.87	22.37	22.35	1.4	1.4	1.4	1.4
1959: III	2,412.1	2,415.5	2,430.9	2.3	2.4	22.82	22.10	22.82	22.80	1.1	1.1	1.1	1.1
1959: IV	2,557.6	2,548.1	2,578.8	6.0	5.5	22.93	22.40	22.93	22.91	1.4	1.3	1.4	1.4
1960: I	2,682.2	2,661.4	2,690.7	4.3	4.4	23.18	22.67	23.18	23.16	1.1	1.2	1.1	1.1
1960: II	2,822.7	2,820.2	2,847.0	5.8	6.0	23.53	23.02	23.54	23.51	1.5	1.6	1.5	1.5
1960: III	3,002.8	2,982.7	3,028.3	6.4	5.8	23.98	23.44	23.98	23.96	1.9	1.8	1.9	1.9
1960: IV	3,199.5	3,163.3	3,223.7	6.6	6.1	24.66	24.10	24.67	24.64	2.9	2.8	2.9	2.9
1961: I	3,279.5	3,259.4	3,304.3	2.5	3.0	25.43	24.80	25.43	25.41	3.1	2.9	3.1	3.1
1961: II	3,435.6	3,419.5	3,462.2	4.8	4.9	26.52	25.87	26.53	26.50	4.3	4.3	4.3	4.3
1961: III	3,543.2	3,527.6	3,568.8	3.1	3.2	27.81	27.11	27.81	27.78	4.8	4.8	4.8	4.8
1961: IV	3,549.4	3,559.7	3,574.7	.2	.9	29.29	28.57	29.29	29.26	5.3	5.4	5.3	5.3
1962: I	3,660.2	3,650.5	3,688.8	3.1	2.6	30.83	30.12	30.83	30.80	5.3	5.4	5.3	5.3
1962: II	3,854.2	3,843.3	3,885.2	5.3	5.3	32.18	31.50	32.18	32.15	4.4	4.6	4.4	4.4
1962: III	4,073.1	4,043.9	4,114.7	5.7	5.2	34.01	33.37	34.02	33.98	5.7	5.9	5.7	5.7
1962: IV	4,061.7	4,043.4	4,108.0	-3.0	0	36.94	36.65	36.96	36.92	8.6	8.6	8.6	8.6
1963: I	4,050.3	4,083.9	4,086.5	-3.0	1.0	40.37	39.99	40.37	40.34	9.3	9.1	9.2	9.3
1963: II	4,262.6	4,239.6	4,306.3	5.2	3.8	42.78	42.37	42.79	42.75	6.0	6.0	6.0	6.0
1963: III	4,455.7	4,422.8	4,505.2	4.5	4.3	45.58	45.31	45.59	45.55	6.5	6.9	6.5	6.5
1963: IV	4,709.9	4,672.4	4,758.8	5.7	5.6	48.74	48.49	48.75	48.71	6.9	7.0	6.9	6.9
1964: I	4,870.1	4,852.4	4,935.6	3.4	3.9	52.69	52.67	52.70	52.66	8.1	8.6	8.1	8.1
1964: II	4,872.3	4,899.2	4,936.2	0	1.0	57.39	58.10	57.38	57.35	8.9	10.3	8.9	8.9
1964: III	4,993.9	4,962.5	5,050.8	2.5	1.3	62.71	63.36	62.70	62.68	9.3	9.1	9.3	9.3
1964: IV	4,900.3	4,935.6	4,956.4	-1.9	-5.5	66.51	66.94	66.51	66.49	6.1	5.7	6.1	6.1
1965: I	5,105.6	5,127.5	5,160.6	4.2	3.9	69.23	69.37	69.24	69.21	4.1	3.6	4.1	4.1
1965: II	5,477.4	5,400.5	5,528.7	7.3	5.3	71.80	71.78	71.80	71.77	3.7	3.5	3.7	3.7
1965: III	5,689.8	5,671.6	5,726.3	3.9	5.0	74.05	73.87	74.05	74.02	3.1	2.9	3.1	3.1
1965: IV	5,885.7	5,885.9	5,908.4	3.4	3.8	75.67	75.52	75.68	75.63	2.2	2.2	2.2	2.2
1966: I	6,092.6	6,068.2	6,112.2	3.5	3.1	77.84	77.94	77.84	77.81	2.9	3.2	2.9	2.9
1966: II	6,349.1	6,333.4	6,373.7	4.2	4.4	80.46	80.57	80.46	80.44	3.4	3.4	3.4	3.4
1966: III	6,568.7	6,542.4	6,594.7	3.5	3.3	83.56	83.71	83.56	83.54	3.9	3.9	3.9	3.9
1966: IV	6,683.5	6,671.3	6,718.1	1.7	2.0	86.84	87.14	86.83	86.81	3.9	4.1	3.9	3.9
1967: I	6,669.2	6,674.2	6,696.9	-2.0	0	89.76	89.90	89.76	89.76	3.4	3.2	3.4	3.4
1967: II	6,891.1	6,878.7	6,915.8	3.3	3.1	91.70	91.90	91.70	91.71	2.2	2.2	2.2	2.2
1967: III	7,054.1	7,035.3	7,080.3	2.4	2.3	94.17	94.24	94.16	94.16	2.7	2.5	2.7	2.7
1967: IV	7,337.8	7,275.9	7,355.5	4.0	3.4	96.14	96.18	96.14	96.13	2.1	2.1	2.1	2.1
1968: I	7,537.1	7,505.5	7,558.0	2.7	3.2	98.19	98.28	98.19	98.19	2.1	2.2	2.1	2.1
1968: II	7,813.2	7,783.2	7,831.2	3.7	3.7	100.00	100.00	100.00	100.00	1.8	1.7	1.8	1.8
1968: III	8,165.1	8,095.7	8,168.8	4.5	4.0	101.66	101.39	101.66	101.67	1.7	1.7	1.7	1.7
1968: IV	8,516.3	8,441.3	8,506.0	4.3	4.3	102.86	102.14	102.86	102.87	1.2	.7	1.2	1.2
1969: I	2,254.4	2,256.3	2,269.3	.....	.....	21.97	21.48	22.01	21.98	.....	.....	.....	.....
1969: II	2,313.3	2,295.8	2,328.3	10.9	7.2	22.02	21.53	22.01	21.99	.8	.8	.1	.1
1969: III	2,312.4	2,325.0	2,328.4	-2.2	5.2	22.08	21.59	22.08	22.04	1.1	1.1	.9	.9
1969: IV	2,320.0	2,316.4	2,336.9	1.3	-1.5	22.17	21.68	22.16	22.14	1.7	1.7	1.8	1.8
1970: I	2,371.4	2,340.9	2,387.7	9.1	4.3	22.22	21.72	22.26	22.24	.9	.8	1.8	1.8
1970: II	2,359.7	2,363.1	2,376.4	-1.9	3.8	22.32	21.82	22.34	22.31	1.7	1.8	1.4	1.4
1970: III	2,364.1	2,360.5	2,381.4	.7	-4.4	22.42	21.92	22.42	22.39	1.8	1.8	1.4	1.4
1970: IV	2,333.7	2,371.4	2,351.8	-5.0	1.9	22.52	22.02	22.48	22.45	1.8	1.9	1.1	1.1
1971: I	2,347.2	2,373.2	2,366.3	2.3	.3	22.55	22.04	22.54	22.51	.5	.4	1.0	1.0
1971: II	2,391.1	2,398.5	2,409.4	7.7	4.3	22.59	22.07	22.58	22.55	.7	.5	.8	.8
1971: III	2,430.4	2,417.7	2,449.1	6.7	3.2	22.64	22.12	22.64	22.62	.9	.9	1.1	1.1
1971: IV	2,479.8	2,472.6	2,499.0	8.4	9.4	22.70	22.17	22.72	22.70	1.0	.9	1.4	1.4
1972: I	2,522.9	2,501.5	2,541.9	7.1	4.8	22.83	22.29	22.86	22.84	2.4	2.2	2.5	2.5
1972: II	2,550.2	2,543.2	2,571.0	4.4	6.8	22.90	22.37	22.90	22.87	1.1	1.3	.6	.6
1972: III	2,575.3	2,564.6	2,598.3	4.0	3.4	22.96	22.42	22.95	22.92	1.1	1.0	.9	1.0
1972: IV	2,581.8	2,582.9	2,605.6	1.0	2.9	23.03	22.50	23.02	23.00	1.4	1.4	1.3	1.3
1973: I	2,612.4	2,597.6	2,635.1	4.8	2.3	23.12	22.59	23.10	23.07	1.4	1.6	1.3	1.3
1973: II	2,646.3	2,641.8	2,668.3	5.3	7.0	23.14	22.62	23.13	23.11	.3	.5	.6	.6
1973: III	2,697.2	2,689.5	2,719.6	7.9	7.4	23.17	22.66	23.17	23.14	.6	.7	.6	.6
1973: IV	2,716.8	2,716.8	2,739.8	2.9	4.1	23.31	22.80	23.35	23.32	2.5	2.6	3.2	3.2
1974: I	2,777.3	2,775.9	2,802.3	9.2	9.0	23.39	22.89	23.42	23.39	1.4	1.5	1.2	1.2
1974: II	2,810.2	2,809.7	2,834.3	4.8	5.0	23.47	22.97	23.47	23.45	1.2	1.4	.9	1.0
1974: III	2,848.0	2,844.1	2,872.9	5.5	5.0	23.58	23.07	23.57	23.54	2.0	1.8	1.6	1.6
1974: IV	2,855.3	2,851.1	2,878.6	1.0	1.0	23.69	23.17	23.69	23.66	1.9	1.7	2.0	2.0
1975: I	2,925.1	2,895.4	2,951.4	10.1	6.4	23.80	23.26	23.81	23.79	1.9	1.8	2.1	2.1
1975: II	2,964.4	2,947.7	2,991.5	5.5	7.4	23.81	23.36	23.82	23.89	1.8	1.8	1.8	1.8
1975: III	3,024.6	3,003.4	3,050.1	8.4	7.8	24.02	23.48	24.01	23.99	1.8	1.9	1.5	1.6
1975: IV	3,096.8	3,084.6	3,120.3	9.9	11.3	24.18	23.65	24.18	24.15	2.7	2.9	2.8	2.8
1976: I	3,173.4	3,137.6	3,197.6	10.3	7.1	24.32	23.77	24.34	24.31	2.4	2.2	2.6	2.7
1976: II	3,185.4	3,152.2	3,209.6	1.5	1.9	24.55	24.00	24.53	24.51	3.8	3.8	3.3	3.3
1976: III	3,205.7	3,177.0	3,229.3	2.6	3.2	24.79	24.22	24.79	24.77	4.0	3.7	4.3	4.3
1976: IV	3,233.5	3,186.4	3,258.1	3.5	1.2	25.00	24.41	25.01	24.98	3.5	3.3	3.5	3.5

Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases—Continued
 [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 index		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1967: I	3,283.2	3,218.6	3,287.6	3.7	4.1	25.12	24.51	25.11	25.08	1.9	1.6	1.6	1.6
II	3,281.1	3,252.7	3,284.8	-3	4.3	25.28	24.66	25.27	25.24	2.5	2.5	2.5	2.5
III	3,284.6	3,268.5	3,310.4	2.9	1.9	25.52	24.89	25.53	25.51	3.8	3.9	4.3	4.3
IV	3,309.1	3,297.6	3,334.4	3.0	3.6	25.80	25.16	25.82	25.79	4.5	4.3	4.6	4.5
1968: I	3,375.9	3,363.8	3,401.8	8.3	8.3	26.09	25.45	26.11	26.08	4.7	4.7	4.6	4.6
II	3,434.0	3,397.8	3,460.4	7.1	4.1	26.38	25.71	26.38	26.35	4.5	4.2	4.1	4.2
III	3,458.6	3,447.3	3,485.7	2.9	6.0	26.63	25.97	26.63	26.60	3.8	4.1	3.9	3.8
IV	3,473.9	3,469.2	3,500.8	1.8	2.6	26.99	26.33	26.99	26.97	5.6	5.6	5.7	5.6
1969: I	3,529.1	3,505.8	3,556.0	6.5	4.3	27.25	26.56	27.25	27.23	3.8	3.6	3.9	3.9
II	3,539.2	3,522.9	3,565.1	1.1	2.0	27.61	26.92	27.61	27.58	5.4	5.5	5.2	5.2
III	3,560.5	3,541.1	3,585.2	2.4	2.1	28.01	27.30	28.01	27.98	5.9	5.7	5.9	5.9
IV	3,544.0	3,540.8	3,568.8	-1.8	0	28.36	27.65	28.37	28.34	5.2	5.3	5.2	5.2
1970: I	3,539.3	3,551.5	3,564.6	-5	1.2	28.75	28.04	28.77	28.74	5.6	5.8	5.8	5.8
II	3,546.1	3,545.2	3,572.3	.8	-7	29.17	28.43	29.17	29.14	5.9	5.7	5.7	5.7
III	3,576.0	3,575.6	3,602.0	3.4	3.5	29.41	28.71	29.42	29.39	3.4	4.0	3.4	3.4
IV	3,536.1	3,566.5	3,560.1	-4.4	-1.0	29.81	29.11	29.81	29.78	5.5	5.6	5.5	5.5
1971: I	3,631.9	3,608.9	3,660.2	11.3	4.8	30.28	29.56	30.28	30.25	6.5	6.4	6.5	6.5
II	3,649.7	3,631.3	3,679.6	2.0	2.5	30.70	29.98	30.70	30.67	5.7	5.7	5.6	5.6
III	3,675.8	3,660.2	3,703.2	2.9	3.2	31.03	30.33	31.03	31.00	4.3	4.8	4.4	4.4
IV	3,683.5	3,701.8	3,712.4	.8	4.6	31.30	30.60	31.30	31.27	3.5	3.7	3.5	3.5
1972: I	3,755.6	3,760.7	3,785.7	8.1	6.5	31.77	31.06	31.75	31.72	6.1	6.1	5.8	5.9
II	3,840.6	3,819.4	3,870.4	9.4	6.4	31.97	31.29	31.96	31.93	2.6	3.0	2.7	2.7
III	3,877.2	3,852.1	3,909.4	3.9	3.5	32.29	31.63	32.29	32.26	4.1	4.4	4.2	4.2
IV	3,943.3	3,941.0	3,975.5	7.0	9.6	32.68	32.01	32.71	32.67	4.9	4.9	5.2	5.2
1973: I	4,040.9	4,023.9	4,077.8	10.3	8.7	33.14	32.46	33.12	33.09	5.7	5.7	5.2	5.2
II	4,081.4	4,042.6	4,120.6	4.1	1.9	33.69	33.07	33.67	33.64	6.8	7.7	6.9	6.9
III	4,066.8	4,050.4	4,111.8	-1.4	.8	34.32	33.67	34.28	34.24	7.7	7.4	7.4	7.4
IV	4,103.3	4,058.8	4,148.5	3.6	.8	34.89	34.27	34.98	34.94	6.7	7.3	8.4	8.4
1974: I	4,077.5	4,059.9	4,129.7	-2.5	.1	35.55	35.12	35.56	35.53	7.8	10.4	6.8	6.9
II	4,091.8	4,067.1	4,141.1	1.4	.7	36.31	36.09	36.36	36.32	8.8	11.5	9.3	9.3
III	4,048.9	4,054.0	4,093.9	-1.1	-1.3	37.39	37.16	37.41	37.38	12.5	12.4	12.1	12.1
IV	4,028.5	3,992.5	4,067.4	-2.0	-5.9	38.51	38.21	38.52	38.48	12.5	11.8	12.3	12.3
1975: I	3,978.2	4,022.4	4,011.1	-4.9	3.0	39.39	39.04	39.39	39.36	9.4	8.9	9.4	9.5
II	4,012.7	4,066.1	4,046.0	3.5	4.4	39.95	39.61	39.95	39.92	5.8	6.0	5.8	5.8
III	4,080.7	4,100.9	4,116.7	7.0	3.5	40.70	40.30	40.68	40.64	7.7	7.1	7.5	7.5
IV	4,129.4	4,146.3	4,172.1	4.9	4.5	41.43	41.01	41.42	41.39	7.3	7.2	7.5	7.5
1976: I	4,222.1	4,204.9	4,264.0	9.3	5.8	41.92	41.50	41.93	41.89	4.9	4.9	5.0	5.0
II	4,253.6	4,216.5	4,297.2	3.0	1.1	42.40	41.99	42.39	42.35	4.7	4.8	4.5	4.5
III	4,270.8	4,238.6	4,315.1	1.6	2.1	43.02	42.64	43.01	42.97	5.9	6.3	6.0	6.0
IV	4,303.6	4,298.3	4,349.1	3.1	5.8	43.79	43.37	43.81	43.77	7.3	7.0	7.6	7.6
1977: I	4,355.4	4,338.5	4,407.0	4.9	3.8	44.52	44.19	44.52	44.48	6.9	7.8	6.7	6.7
II	4,433.3	4,407.5	4,484.0	7.3	6.5	45.26	44.97	45.26	45.22	6.8	7.3	6.8	6.9
III	4,513.7	4,453.2	4,564.0	4.2	4.2	45.89	45.66	45.80	45.76	5.7	6.3	4.9	4.9
IV	4,520.5	4,491.9	4,565.5	.6	3.5	46.65	46.43	46.73	46.69	6.7	6.9	8.3	8.3
1978: I	4,536.2	4,499.5	4,587.6	1.4	.7	47.40	47.17	47.41	47.36	6.6	6.5	5.9	5.9
II	4,713.6	4,678.9	4,757.1	16.6	16.9	48.32	48.08	48.30	48.26	8.0	8.0	7.8	7.8
III	4,761.7	4,724.8	4,808.9	4.1	4.0	49.15	48.91	49.11	49.08	7.1	7.1	6.9	6.9
IV	4,828.0	4,786.3	4,861.8	5.7	5.3	50.11	49.81	50.08	50.05	8.0	7.5	8.2	8.2
1979: I	4,841.7	4,808.8	4,897.0	1.1	1.9	51.07	50.82	51.03	51.00	7.9	8.3	7.8	7.8
II	4,847.8	4,809.5	4,909.3	.5	.1	52.20	52.00	52.17	52.14	9.2	9.2	9.2	9.3
III	4,885.6	4,881.3	4,958.4	3.2	6.1	53.23	53.28	53.25	53.22	8.1	10.2	8.5	8.5
IV	4,905.4	4,910.3	4,977.4	1.6	2.4	54.27	54.57	54.30	54.27	8.0	10.0	8.2	8.2
1980: I	4,926.8	4,929.1	4,999.5	1.8	1.5	55.44	56.05	55.47	55.44	8.9	11.3	8.9	8.9
II	4,829.0	4,832.7	4,896.2	-7.7	-7.6	56.68	57.44	56.68	56.65	9.3	10.3	9.0	9.0
III	4,823.3	4,896.5	4,886.8	-5	5.4	57.94	58.72	57.92	57.89	9.2	9.2	9.1	9.1
IV	4,910.1	4,938.5	4,962.3	7.4	3.5	59.48	60.18	59.45	59.42	11.0	10.3	11.0	11.0
1981: I	5,003.6	4,956.8	5,060.1	7.8	1.5	61.02	61.74	61.01	60.99	10.7	10.8	10.9	11.0
II	4,969.3	4,967.8	5,022.7	-2.7	.9	62.10	62.84	62.11	62.08	7.3	7.3	7.4	7.4
III	5,030.0	4,976.8	5,086.1	5.0	.7	63.29	63.86	63.29	63.27	7.9	6.6	7.9	7.9
IV	4,972.5	4,948.4	5,034.5	-4.5	-2.3	64.42	64.99	64.42	64.40	7.3	7.2	7.3	7.3
1982: I	4,894.6	4,939.7	4,951.5	-6.1	-7	65.26	65.79	65.25	65.24	5.4	5.0	5.3	5.3
II	4,916.9	4,935.5	4,980.0	1.8	-3	66.09	66.51	66.08	66.06	5.2	4.5	5.2	5.1
III	4,893.5	4,898.2	4,946.8	-1.9	-3.0	67.00	67.39	67.00	66.98	5.6	5.4	5.7	5.7
IV	4,896.1	4,969.2	4,947.2	.2	5.9	67.71	68.07	67.72	67.70	4.3	4.1	4.4	4.4
1983: I	4,948.5	5,011.8	4,999.9	4.3	3.5	68.31	68.51	68.27	68.25	3.6	2.6	3.3	3.3
II	5,063.6	5,086.7	5,118.5	9.6	6.1	68.95	69.12	68.92	68.89	3.8	3.6	3.8	3.8
III	5,152.6	5,172.1	5,208.5	7.2	6.9	69.54	69.68	69.54	69.51	3.5	3.3	3.7	3.7
IV	5,257.6	5,239.4	5,315.6	8.4	5.3	70.14	70.17	70.16	70.13	3.5	2.8	3.6	3.6
1984: I	5,374.1	5,286.2	5,427.1	9.2	3.6	70.96	71.00	70.96	70.93	4.8	4.8	4.6	4.6
II	5,465.9	5,383.2	5,519.0	7.0	7.5	71.54	71.57	71.52	71.50	3.3	3.3	3.2	3.2
III	5,513.6	5,428.7	5,566.1	3.5	3.4	72.10	72.04	72.09	72.06	3.2	2.7	3.2	3.2
IV	5,555.9	5,503.9	5,602.6	3.1	5.7	72.60	72.49	72.60	72.57	2.8	2.5	2.8	2.8
1985: I	5,602.4	5,592.4	5,639.7	3.4	6.6	73.36	73.12	73.36	73.33	4.3	3.5	4.3	4.2
II	5,646.6	5,629.7	5,686.3	3.2	2.7	73.85	73.83	73.85	73.82	2.7	2.8	2.7	2.7
III	5,731.4	5,718.8	5,764.0	6.1	6.5	74.23	74.04	74.20	74.18	2.1	2.2	1.9	1.9
IV	5,778.8	5,745.4	5,815.1	3.4	1.9	74.75	74.69	74.74	74.72	2.8	3.6	2.9	3.0
1986: I	5,831.1	5,801.0	5,862.3	3.7	3.9	75.04	75.02	75.03	75.00	1.6	1.8	1.6	1.6
II	5,856.0	5,845.4	5,877.4	1.7	3.1	75.39	75.16	75.40	75.37	1.9	.7	2.0	1.9
III	5,911.3	5,929.3	5,935.1	3.8	5.9	75.85	75.68	75.84	75.81	2.5	2.8	2.4	2.4
IV	5,944.3	5,967.8	5,959.0	2.2	2.6	76.38	76.23	76.33	76.31	2.8	2.9	2.6	2.6
1987: I	5,990.7	5,962.8	6,007.2	3.2	-3	77.02	77.02	76.99	76.97	3.4	4.2	3.5	3.5
II	6,056.1	6,045.8	6,076.9	4.4	5.7	77.54	77.64	77.54	77.51	2.7	3.3	2.9	2.9
III	6,108.3	6,118.8	6,127.9	3.5	4.9	78.09	78.23	78.09	78.07	2.8	3.1	2.9	2.9
IV	6,215.4	6,145.3	6,237.0	7.2	1.7	78.71	78.86	78.70	78.67	3.2	3.2	3.1	3.1

Table C.1.—Historical Measures of Real Gross Domestic Product, Real Gross National Product, and Real Gross Domestic Purchases—Continued
 [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 index		Implicit price deflators	
										Gross domestic product	Gross domestic purchases	Gross domestic product	Gross national product
1988: I	6,257.0	6,244.3	6,285.0	2.7	6.6	79.23	79.42	79.22	79.20	2.7	2.9	2.7	2.7
II	6,331.0	6,315.2	6,355.8	4.8	4.6	80.03	80.22	80.03	80.01	4.1	4.1	4.1	4.1
III	6,363.1	6,346.7	6,384.7	2.0	2.0	80.97	80.97	80.96	80.94	4.8	3.8	4.7	4.7
IV	6,445.0	6,427.3	6,469.2	5.2	5.2	81.61	81.69	81.59	81.57	3.2	3.6	3.1	3.2
1989: I	6,522.4	6,471.5	6,546.4	4.9	2.8	82.47	82.61	82.47	82.45	4.3	4.6	4.4	4.4
II	6,556.9	6,520.4	6,579.5	2.1	3.1	83.30	83.51	83.30	83.28	4.1	4.5	4.1	4.1
III	6,586.8	6,582.1	6,612.0	1.8	3.8	83.92	84.01	83.92	83.90	3.0	2.4	3.0	3.0
IV	6,608.7	6,595.6	6,641.0	1.3	.8	84.56	84.71	84.56	84.54	3.1	3.4	3.1	3.1
1990: I	6,689.2	6,678.7	6,719.3	5.0	5.1	85.53	85.79	85.52	85.51	4.7	5.2	4.6	4.7
II	6,705.4	6,671.3	6,737.1	1.0	-4	86.51	86.57	86.50	86.47	4.7	3.7	4.6	4.6
III	6,695.4	6,675.2	6,721.0	-6	2	87.31	87.54	87.30	87.28	3.7	4.6	3.8	3.8
IV	6,643.9	6,659.6	6,695.0	-3.0	-9	88.03	88.65	88.01	88.00	3.3	5.1	3.3	3.3
1991: I	6,616.2	6,637.3	6,653.9	-1.7	-1.3	88.98	89.27	88.97	88.96	4.4	2.9	4.4	4.4
II	6,658.4	6,682.4	6,683.0	2.6	2.7	89.54	89.63	89.54	89.53	2.6	1.6	2.6	2.6
III	6,680.2	6,684.5	6,700.5	1.3	.1	90.05	90.09	90.06	90.05	2.3	2.1	2.3	2.3
IV	6,721.7	6,692.8	6,750.1	2.5	.5	90.46	90.59	90.46	90.47	1.8	2.2	1.8	1.9
1992: I	6,792.9	6,798.5	6,819.7	4.3	6.5	91.04	91.13	91.03	91.04	2.6	2.4	2.5	2.5
II	6,859.3	6,839.5	6,885.1	4.0	2.4	91.51	91.66	91.51	91.52	2.1	2.3	2.1	2.1
III	6,912.1	6,895.1	6,934.6	3.1	3.3	91.82	92.11	91.81	91.82	1.3	2.0	1.3	1.3
IV	7,000.0	6,981.7	7,023.7	5.2	5.1	92.44	92.70	92.43	92.44	2.7	2.6	2.7	2.7
1993: I	6,986.9	6,951.9	7,019.5	-7	-1.7	93.35	93.44	93.34	93.34	4.0	3.3	4.0	4.0
II	7,024.0	7,001.6	7,049.6	2.1	2.9	93.93	94.06	93.92	93.91	2.5	2.7	2.5	2.5
III	7,050.8	7,046.6	7,082.3	1.5	2.6	94.41	94.45	94.39	94.39	2.0	1.7	2.0	2.0
IV	7,155.0	7,141.1	7,169.8	6.0	5.5	94.97	94.99	94.98	94.97	2.4	2.3	2.5	2.5
1994: I	7,218.5	7,176.3	7,240.1	3.6	2.0	95.42	95.34	95.42	95.42	1.9	1.5	1.9	1.9
II	7,319.8	7,239.8	7,337.0	5.7	3.6	95.85	95.86	95.85	95.85	1.8	2.2	1.8	1.8
III	7,360.5	7,308.9	7,376.6	2.2	3.9	96.41	96.54	96.41	96.40	2.4	2.8	2.4	2.3
IV	7,452.3	7,378.4	7,468.2	5.1	3.9	96.85	96.96	96.85	96.85	1.8	1.8	1.9	1.9
1995: I	7,480.4	7,419.1	7,502.7	1.5	2.2	97.56	97.60	97.55	97.55	2.9	2.7	2.9	2.9
II	7,496.0	7,462.3	7,522.0	.8	2.3	97.96	98.12	97.95	97.95	1.6	2.1	1.7	1.7
III	7,555.0	7,543.4	7,566.7	3.2	4.4	98.39	98.49	98.38	98.38	1.8	1.5	1.8	1.8
IV	7,616.8	7,597.3	7,640.6	3.3	2.9	98.86	98.91	98.85	98.85	1.9	1.7	1.9	1.9
1996: I	7,671.4	7,664.6	7,698.7	2.9	3.6	99.46	99.48	99.45	99.45	2.5	2.3	2.5	2.5
II	7,800.5	7,770.9	7,818.3	6.9	5.7	99.77	99.77	99.77	99.77	1.3	1.2	1.3	1.3
III	7,843.3	7,793.5	7,854.7	2.2	1.2	100.21	100.14	100.20	100.20	1.8	1.5	1.7	1.7
IV	7,937.5	7,903.7	7,953.3	4.9	5.8	100.56	100.62	100.55	100.56	1.4	1.9	1.4	1.4
1997: I	8,033.4	7,981.1	8,038.1	4.9	4.0	101.14	101.09	101.15	101.16	2.4	1.9	2.4	2.4
II	8,134.8	8,042.0	8,144.0	5.1	3.1	101.53	101.23	101.53	101.54	1.5	.6	1.5	1.5
III	8,214.8	8,155.3	8,216.2	4.0	5.8	101.83	101.48	101.82	101.83	1.2	1.0	1.1	1.2
IV	8,277.3	8,204.3	8,277.2	3.1	2.4	102.15	101.76	102.12	102.13	1.3	1.1	1.2	1.2
1998: I	8,412.7	8,307.0	8,414.8	6.7	5.1	102.41	101.79	102.35	102.36	1.0	.1	.9	.9
II	8,457.2	8,410.4	8,456.6	2.1	5.1	102.70	101.99	102.68	102.69	1.1	.8	1.3	1.3
III	8,536.0	8,459.6	8,510.6	3.8	2.4	103.06	102.26	103.07	103.07	1.4	1.1	1.5	1.5
IV	8,659.2	8,588.3	8,641.9	5.9	6.2	103.28	102.51	103.33	103.34	.9	1.0	1.0	1.0
1999: I	8,737.9	8,685.2	8,723.3	3.7	4.6	103.79	102.92	103.83	103.84	2.0	1.6	2.0	2.0
II	8,778.6	8,757.9	8,764.3	1.9	3.4	104.13	103.40	104.19	104.19	1.3	1.9	1.4	1.4
III	8,900.6	8,855.8	8,885.5	5.7	4.5	104.41	103.85	104.46	104.47	1.1	1.7	1.1	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

	1997	1998	1998			1999										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
	Consumer and producer prices, (monthly data seasonally adjusted) ¹															
Consumer price index for all urban consumers, 1982-84=100:																
All items	160.5	163.0	163.9	164.2	164.4	164.6	164.7	165.0	166.2	166.2	166.2	166.7	167.2	167.9	168.2	168.4
Less food and energy	169.5	173.4	174.8	175.0	175.6	175.7	175.8	176.0	176.7	176.9	177.0	177.3	177.5	178.1	178.4	178.8
Services	179.4	184.2	185.5	186.0	186.3	186.5	186.9	187.5	188.1	188.3	188.5	189.0	189.3	189.8	190.2	190.9
Producer price index, 1982=100:																
Finished goods	131.8	130.6	131.0	130.7	131.3	131.7	131.1	131.5	132.2	132.4	132.4	132.7	133.3	134.7	134.5	134.8
Less food and energy	142.4	143.7	144.3	144.4	145.9	145.6	145.7	145.6	145.7	145.8	145.6	145.7	145.5	146.6	147.0	147.0
Finished consumer goods	130.2	128.9	129.3	128.9	129.7	130.2	129.5	130.0	130.9	131.2	131.2	131.7	132.5	134.2	133.8	134.3
Capital equipment	138.2	137.5	137.7	137.8	137.7	137.6	137.7	137.5	137.7	137.7	137.4	137.3	137.3	137.6	138.0	137.9
Intermediate materials	125.6	123.0	122.2	121.9	121.1	121.1	120.7	121.1	121.9	122.3	122.7	123.5	124.3	124.7	125.1	125.5
Crude materials	111.1	96.7	93.9	93.8	90.4	90.9	88.8	89.1	91.3	96.9	97.2	97.3	101.3	106.5	104.8	109.0
	Money, interest rates, and stock prices															
Money stock (monthly and quarterly data seasonally adjusted): ²																
Percent change:																
M1			0.54	0.79	0.40	-0.21	0.16	0.85	0.58	-0.32	-0.33	-0.14	0.26	-0.81	0.47	0.86
M2 .....			.96	.89	.85	.55	.47	.22	.74	.40	.37	.47	.49	.42	.43	.46
Ratio:																
Gross domestic product to M1	7.758	8.113		8.225			8.281			8.276			8.460			
Personal income to M2	1.768	1.743	1.730	1.731	1.716	1.717	1.718	1.718	1.714	1.713	1.721	1.718	1.717	1.711	1.726	1.725
Interest rates (percent, not seasonally adjusted): ²																
Federal funds rate	5.46	5.35	5.07	4.83	4.68	4.63	4.76	4.81	4.74	4.74	4.76	4.99	5.07	5.22	5.20	5.42
Discount rate on new 91-day Treasury bills	5.07	4.81	4.08	4.44	4.42	4.34	4.45	4.48	4.28	4.51	4.59	4.60	4.76	4.73	4.88	5.07
Yield on new high-grade corporate bonds	7.40	6.44	6.21	6.42	6.13	6.14	6.33	6.52	6.58	6.86	7.21	7.20	7.36	7.38	7.51	7.35
10-Year U.S. Treasury bonds	6.35	5.26	4.53	4.83	4.65	4.72	5.00	5.23	5.18	5.54	5.90	5.79	5.94	5.92	6.11	6.03
Yield on municipal bonds, 20-bond average	5.52	5.09	4.93	5.03	4.98	5.01	5.03	5.10	5.08	5.18	5.37	5.36	5.58	5.69	5.92	5.86
Mortgage commitment rate	7.60	6.94	6.71	6.87	6.72	6.79	6.81	7.04	6.92	7.15	7.55	7.63	7.94	7.82	7.85	7.74
Average prime rate charged by banks	8.44	8.35	8.12	7.89	7.											

See footnotes at the end of the table.

Table D.1.—Domestic Perspectives—Continued

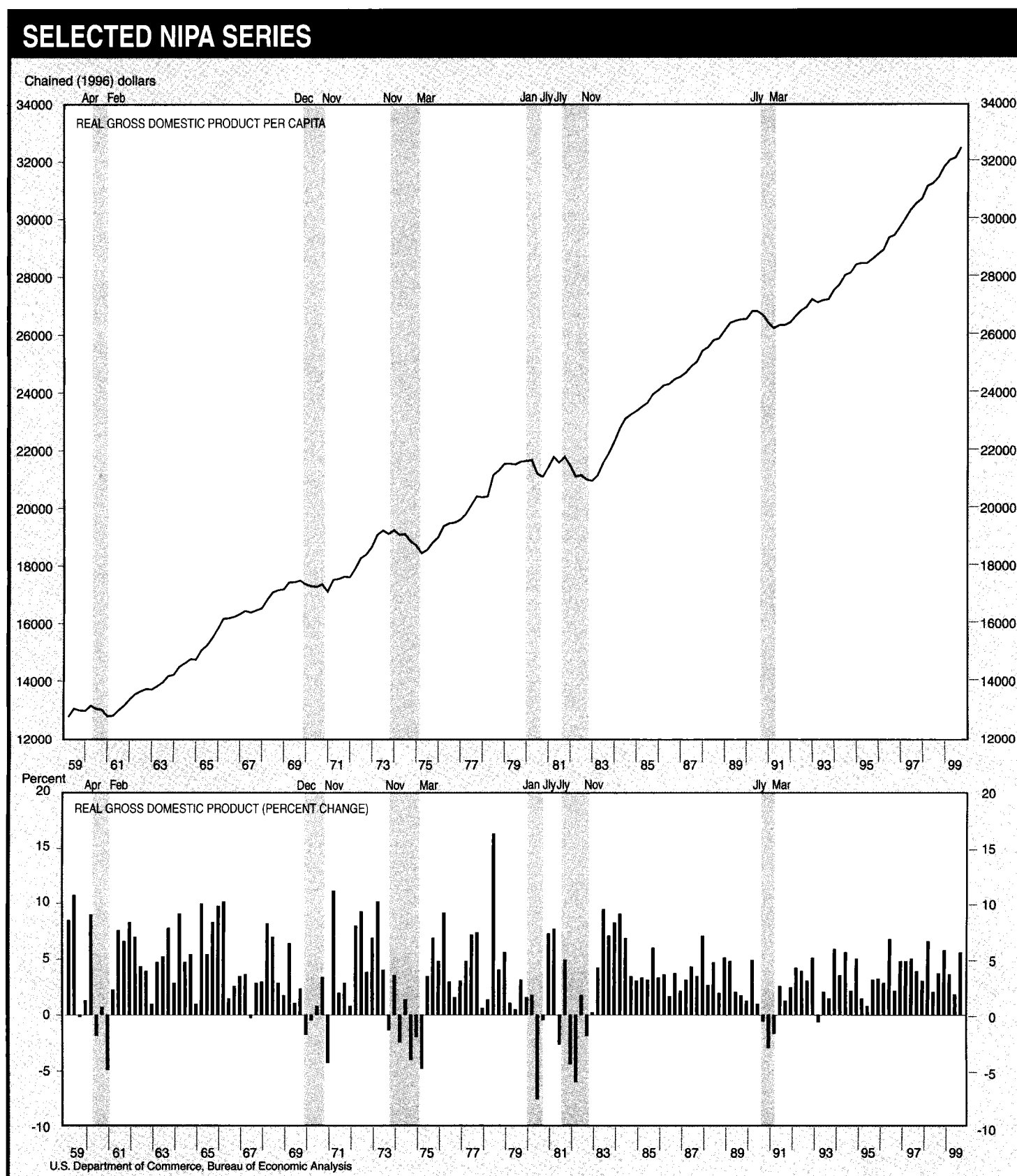
	1997	1998	1998			1999										
			Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
	Construction (monthly data seasonally adjusted at annual rates) ⁴															
Total new private construction put in place (billions of dollars)	475.1	520.1	528.7	534.7	541.6	543.5	548.7	555.4	547.9	546.9	546.9	546.0	541.8	540.9	540.3	549.8
Residential	265.9	294.3	302.1	306.3	310.3	315.8	318.5	323.1	322.2	321.8	320.9	320.3	319.7	320.0	322.1	325.8
Nonresidential	167.6	181.9	184.8	186.6	190.0	185.8	189.0	189.3	184.4	184.2	182.9	183.3	181.0	180.9	178.1	183.9
Housing starts (thousands of units):																
Total	1,474	1,617	1,698	1,654	1,750	1,820	1,752	1,746	1,577	1,668	1,607	1,680	1,655	1,637	1,637	1,600
1-unit structures	1,134	1,271	1,298	1,375	1,383	1,393	1,380	1,394	1,260	1,389	1,305	1,332	1,289	1,295	1,340	1,292
New 1-family houses sold (thousands of units)	804	886	903	985	958	908	909	885	952	914	932	929	923	848	986	.....
	Manufacturing and trade, inventories and sales (millions of dollars, monthly data seasonally adjusted) ⁴															
Inventories:																
Total manufacturing and trade	1,060,326	1,095,042	1,091,246	1,095,493	1,095,042	1,095,209	1,098,308	1,103,619	1,105,654	1,108,901	1,112,311	1,115,790	1,119,251	1,124,016	1,126,424	.....
Manufacturing	456,133	466,798	471,031	471,000	466,798	464,867	464,198	463,578	463,194	463,742	462,690	465,043	464,351	465,669	467,044	.....
Merchant wholesalers	273,885	287,484	284,073	286,145	287,484	286,698	288,638	289,360	289,636	290,216	291,367	293,982	295,558	298,469	299,396	.....
Retail trade	330,308	340,760	336,142	338,348	340,760	343,644	345,472	350,681	352,824	354,943	358,254	356,765	359,342	359,878	359,984	.....
Sales:																
Total manufacturing and trade	9,025,137	9,333,267	784,513	788,294	796,583	794,865	803,481	812,055	812,237	821,761	829,593	834,062	844,439	842,647	846,678	.....
Manufacturing	3,929,419	4,052,248	340,133	341,423	344,247	341,673	343,724	349,065	347,568	350,624	354,702	357,301	361,844	358,709	360,255	.....
Merchant wholesalers	2,480,049	2,535,008	211,499	212,367	215,550	213,597	216,138	219,595	219,921	223,909	227,863	227,293	229,827	231,135	232,814	.....
Retail trade	2,615,669	2,746,011	232,881	234,504	236,786	239,595	243,619	243,395	244,748	247,228	247,028	249,468	252,768	252,803	253,609	.....
	Industrial production indexes and capacity utilization rates (monthly data seasonally adjusted) ²															
Industrial production indexes, 1992=100:																
Total	127.1	132.4	134.1	133.8	133.8	134.1	134.5	135.1	135.5	136.2	136.6	137.4	137.7	138.0	139.1	139.5
By industry:																
Durable manufactures	148.0	160.7	165.8	165.4	166.2	166.3	166.8	168.1	169.4	170.8	172.2	173.8	174.4	174.9	176.1	177.0
Nondurable manufactures	111.2	111.6	111.2	111.6	111.1	111.3	112.3	111.8	111.5	111.9	111.3	111.0	111.5	111.8	112.8	113.2
By market category:																
Consumer goods	115.1	116.2	116.0	115.6	115.1	116.3	117.2	116.7	116.5	116.8	117.0	116.8	117.6	116.9	118.8	118.9
Capacity utilization rates (percent):																
Total industry	83.3	81.8	81.5	80.9	80.6	80.4	80.4	80.5	80.4	80.5	80.5	80.7	80.7	80.6	81.0	81.0
Manufacturing	82.4	80.9	80.5	80.2	79.9	79.6	79.7	79.6	79.5	79.7	79.6	79.7	79.7	79.7	80.0	80.1
	Credit market borrowing (billions of dollars, quarterly data seasonally adjusted at annual rates) ²															
All sectors, by instrument:																
Total	1,496.9	2,126.5	.....	2,334.0	.....	.....	2,519.6	.....	.....	1,893.0	.....	.....	2,240.0	.....	.....	.....
Open market paper	184.1	193.1	.....	83.0	.....	.....	161.1	.....	.....	34.1	.....	.....	187.0	.....	.....	.....
U.S. government securities	235.9	418.3	.....	619.1	.....	.....	517.0	.....	.....	467.0	.....	.....	570.1	.....	.....	.....
Municipal securities	71.4	96.8	.....	89.6	.....	.....	100.7	.....	.....	48.0	.....	.....	74.8	.....	.....	.....
Corporate and foreign bonds	406.7	535.6	.....	440.9	.....	.....	765.7	.....	.....	564.8	.....	.....	380.2	.....	.....	.....
Bank loans, n.e.c.	128.2	145.0	.....	143.0	.....	.....	62.1	.....	.....	38.3	.....	.....	99.6	.....	.....	.....
Other loans and advances	102.8	158.5	.....	262.7	.....	.....	189.8	.....	.....	98.9	.....	.....	231.5	.....	.....	.....
Mortgages	315.1	511.4	.....	625.7	.....	.....	594.0	.....	.....	581.8	.....	.....	621.3			

Sources:
1. Bureau of Labor Statistics
2. Federal Reserve Board

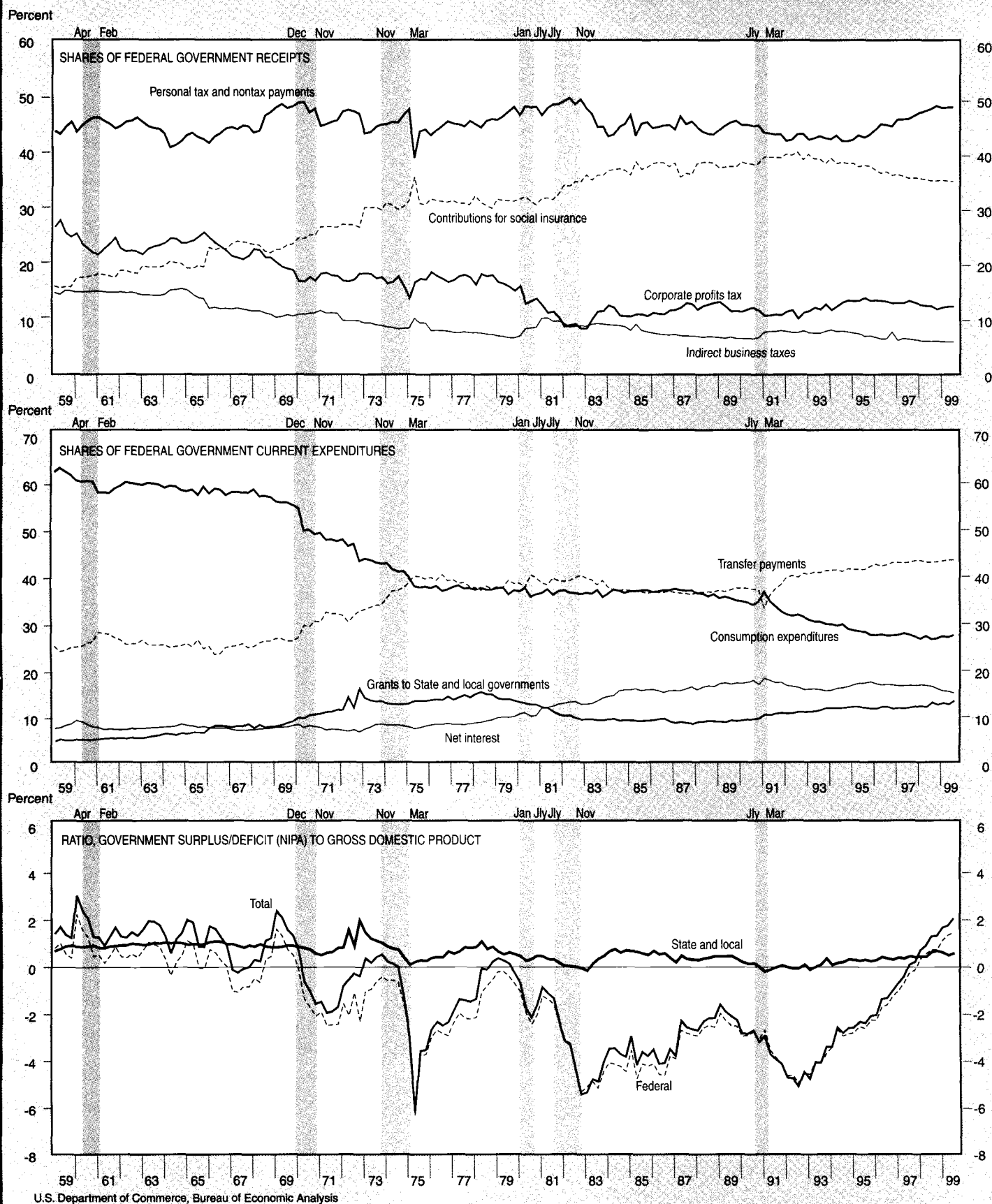
3. Standard and Poor's, Inc.
4. Bureau of the Census
n.e.c. Not elsewhere classified

E. Charts

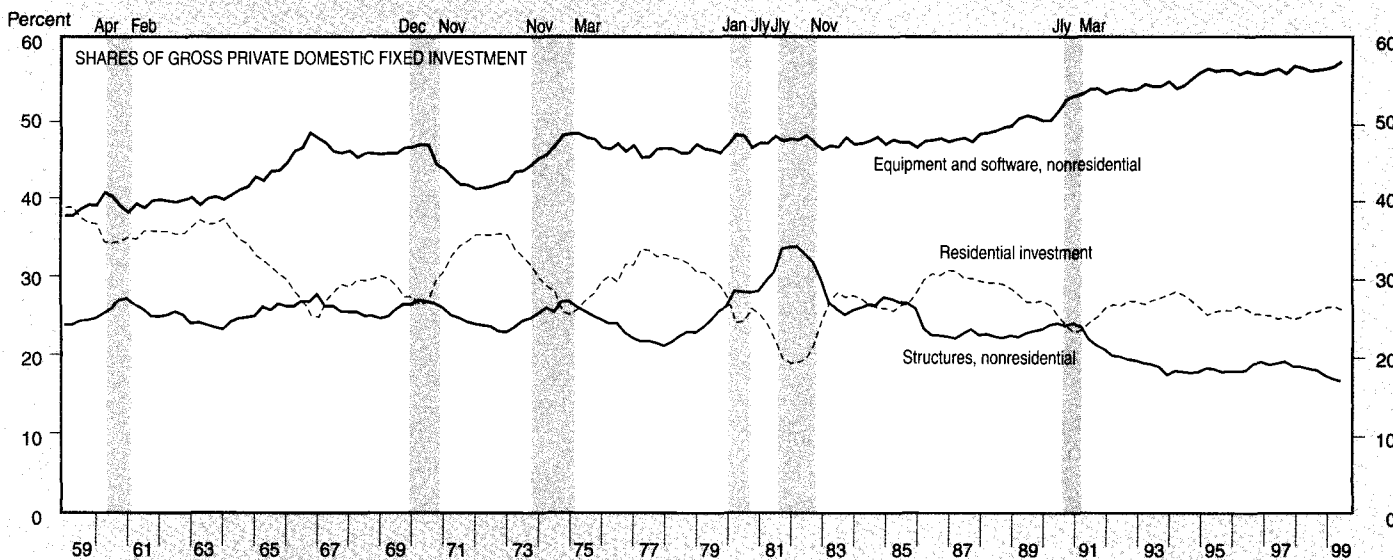
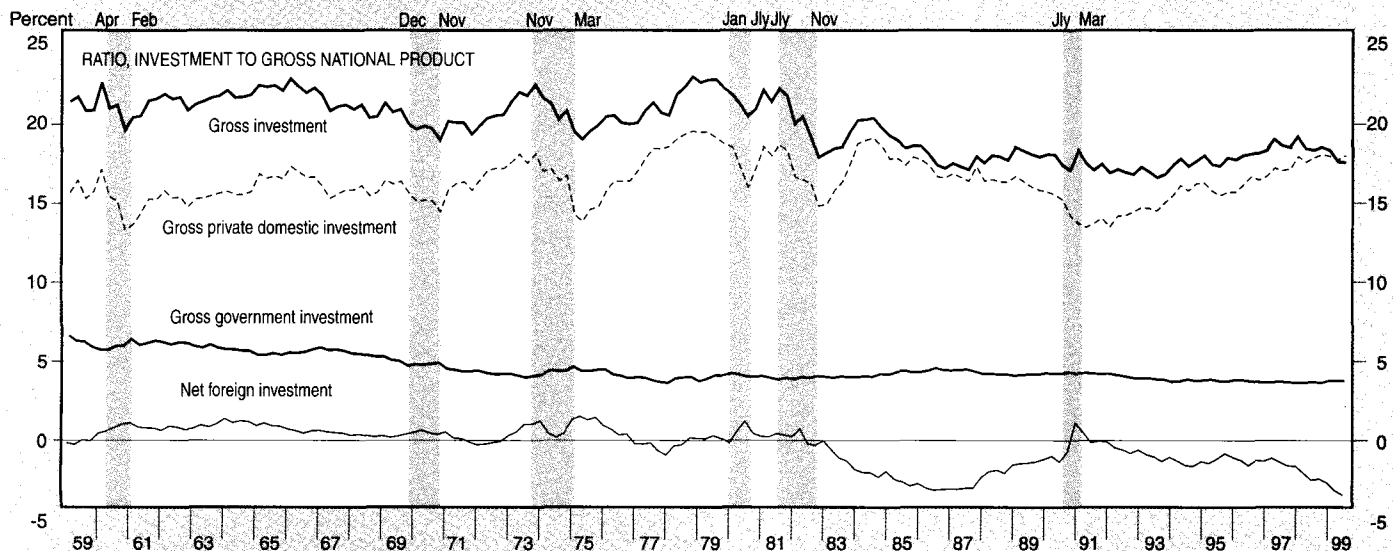
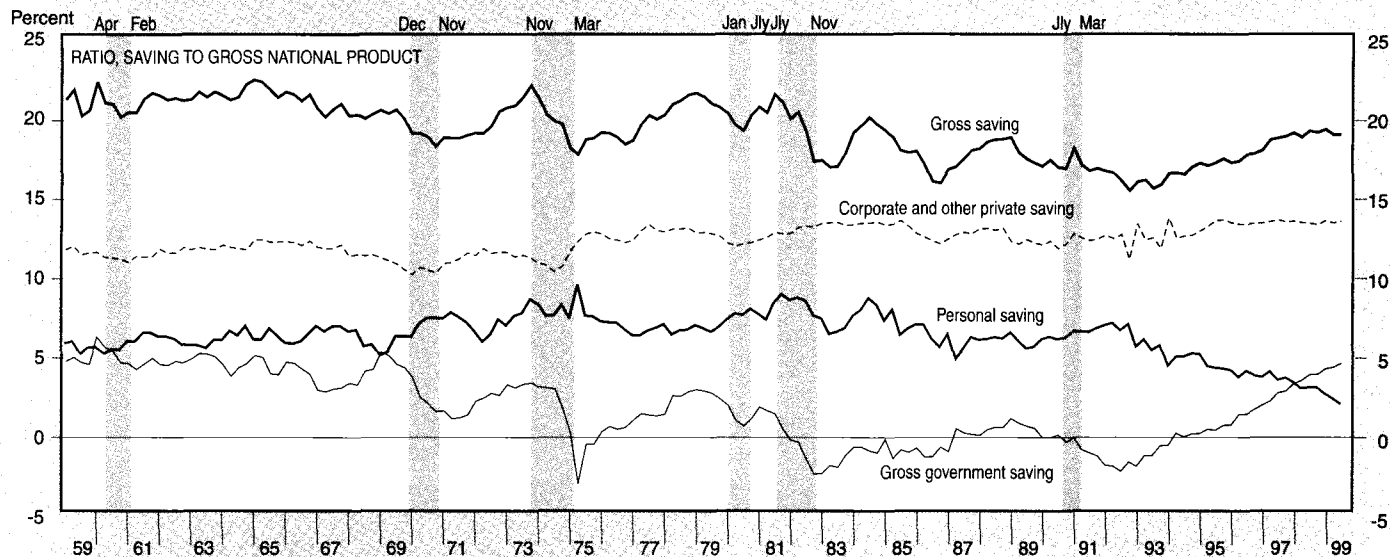
Percent changes shown in this section are based on quarter-to-quarter changes and are expressed at seasonally adjusted annual rates; likewise, levels of series are expressed at seasonally adjusted annual rates as appropriate.



SELECTED NIPA SERIES



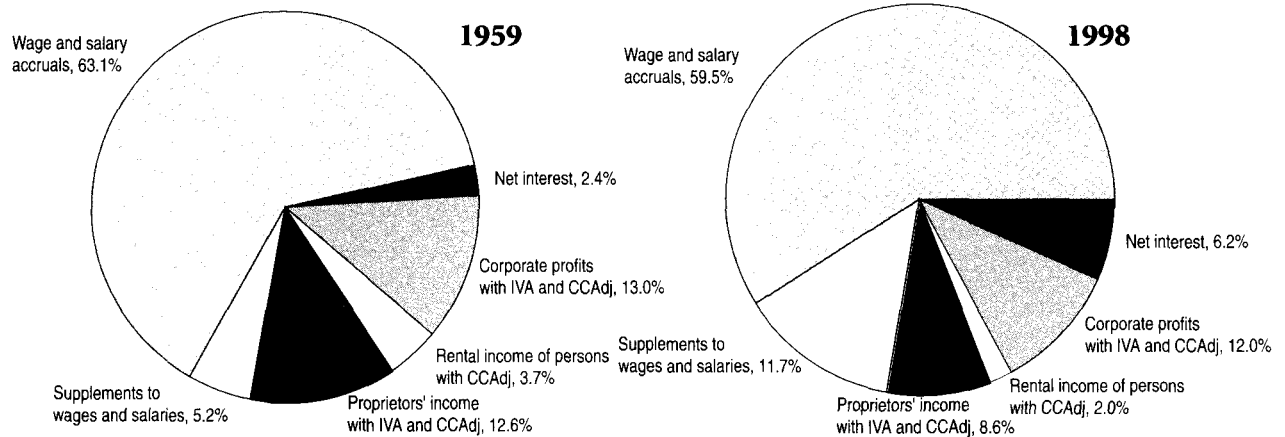
SELECTED NIPA SERIES



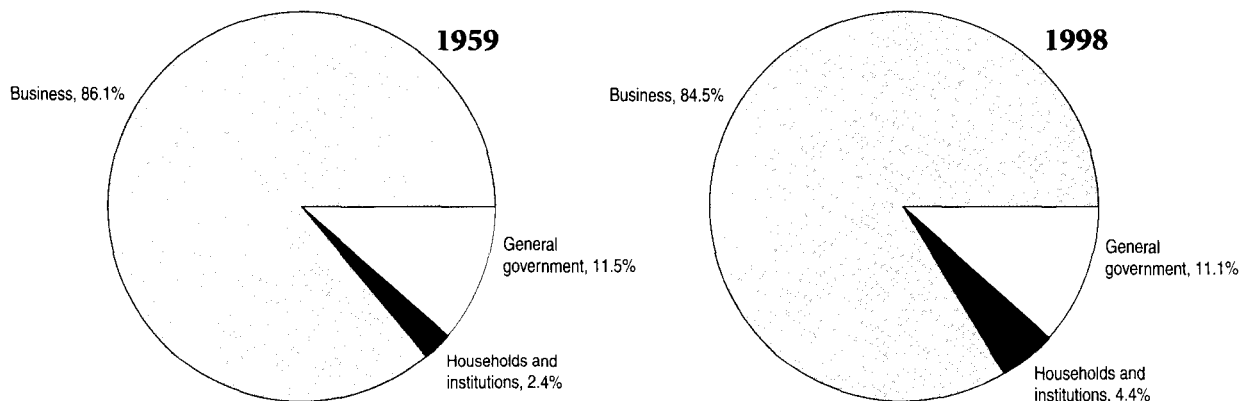
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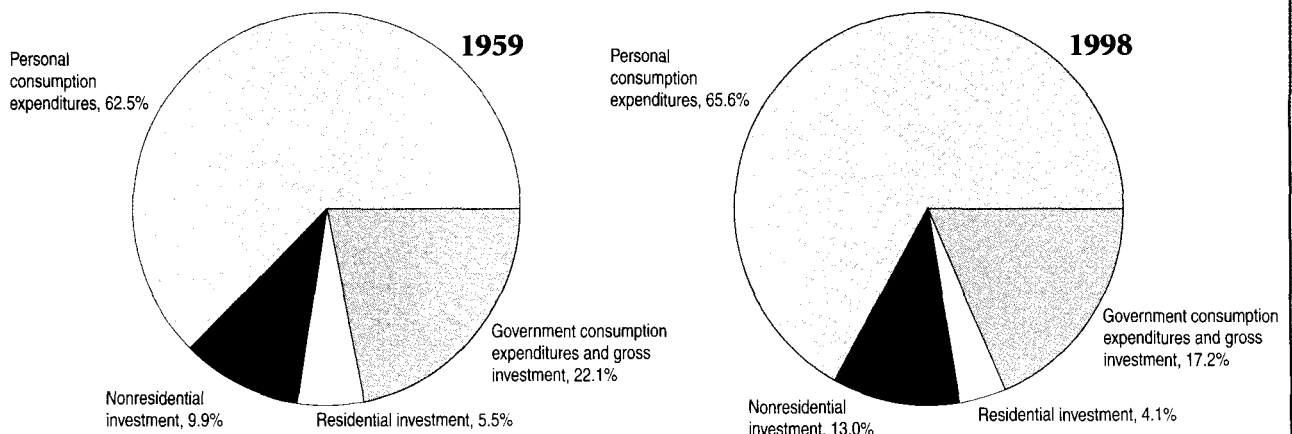
SHARES OF NATIONAL INCOME



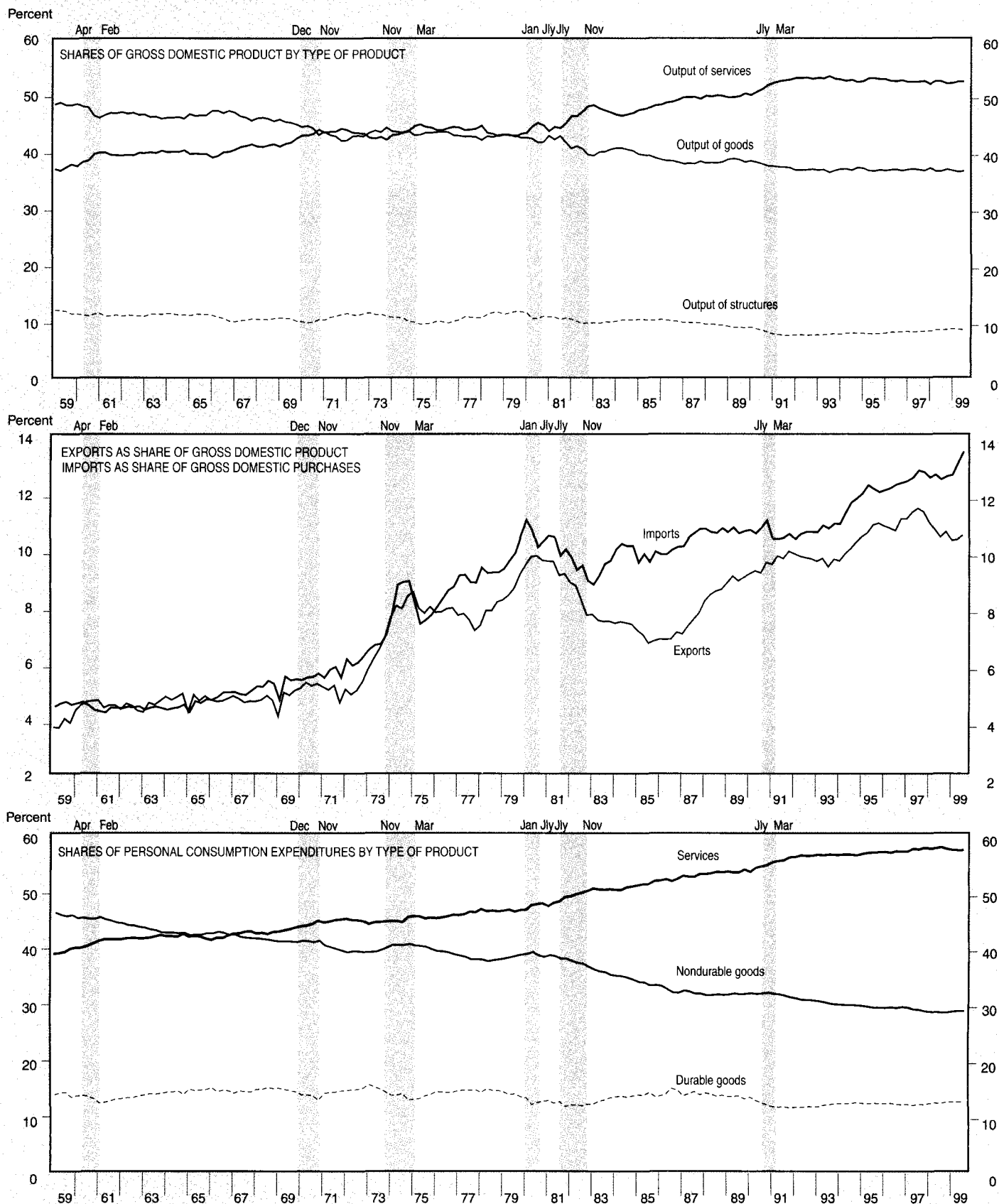
SHARES OF GROSS DOMESTIC PRODUCT BY SECTOR



SHARES OF GROSS DOMESTIC PURCHASES

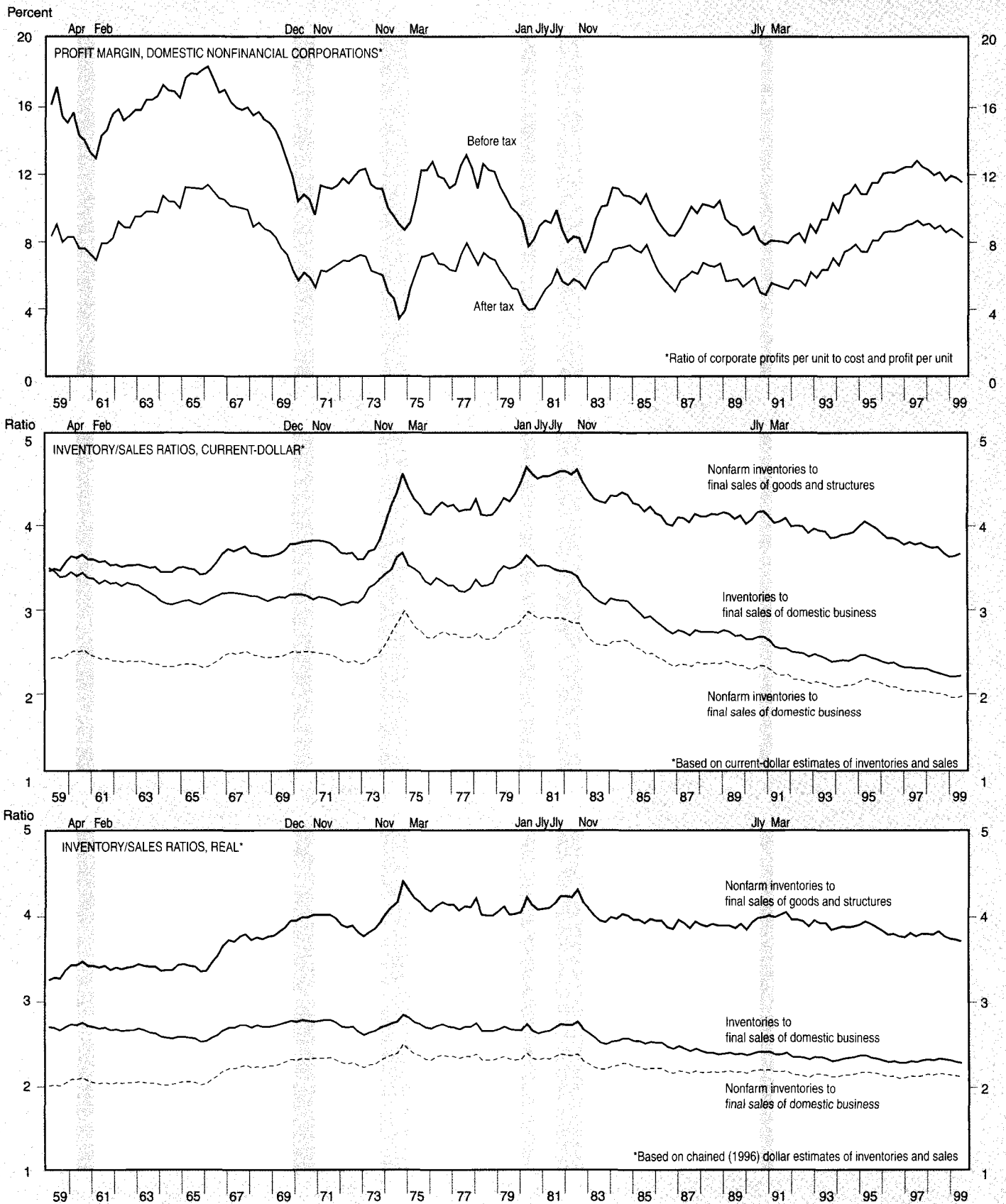


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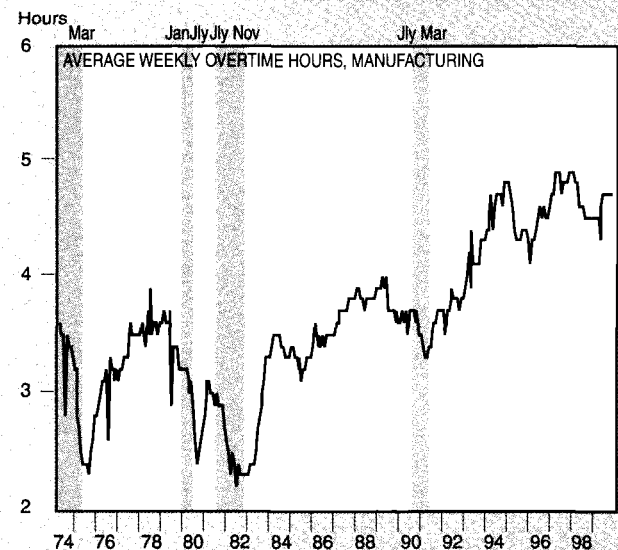
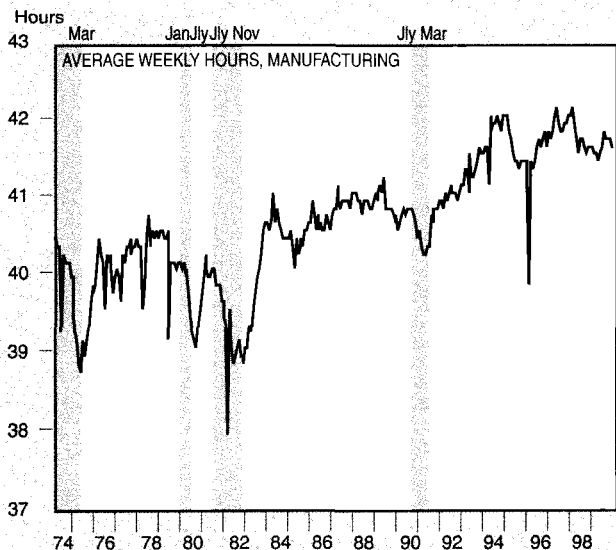
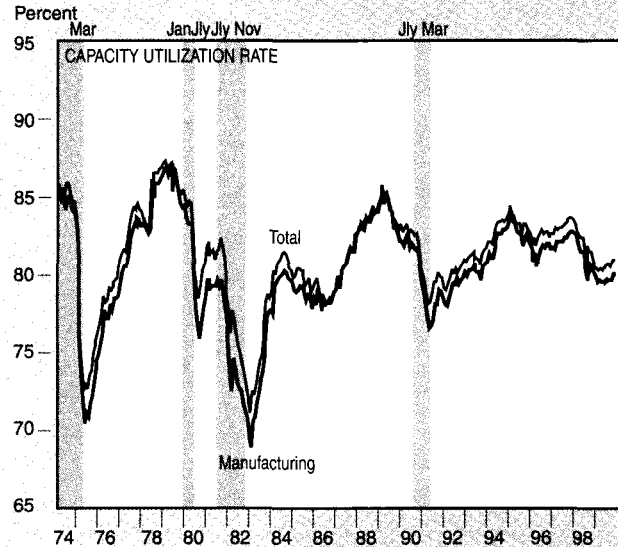
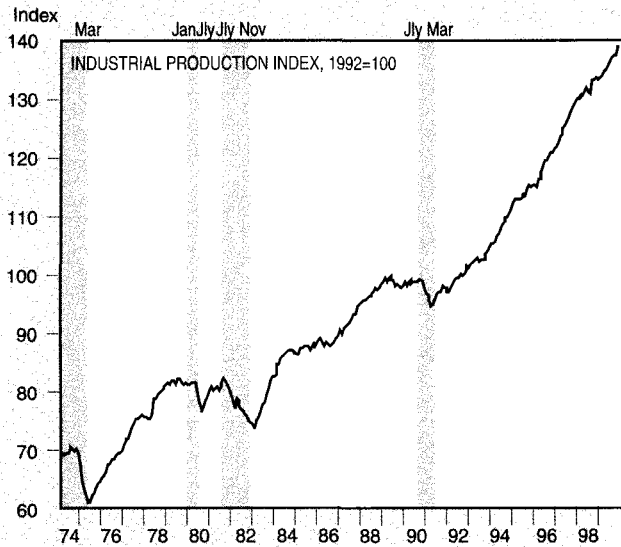
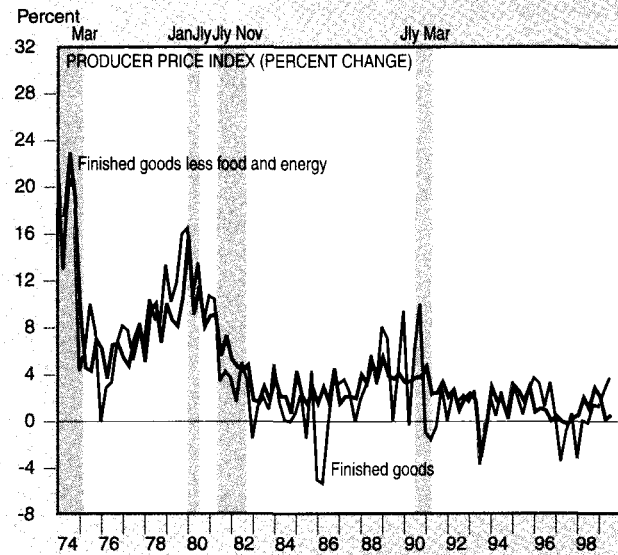
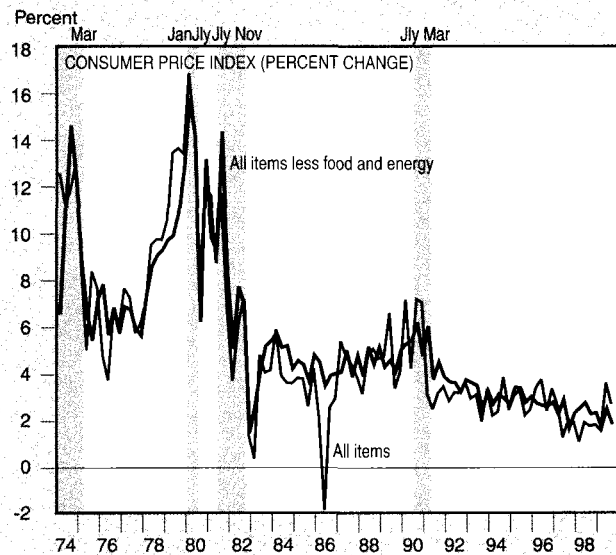
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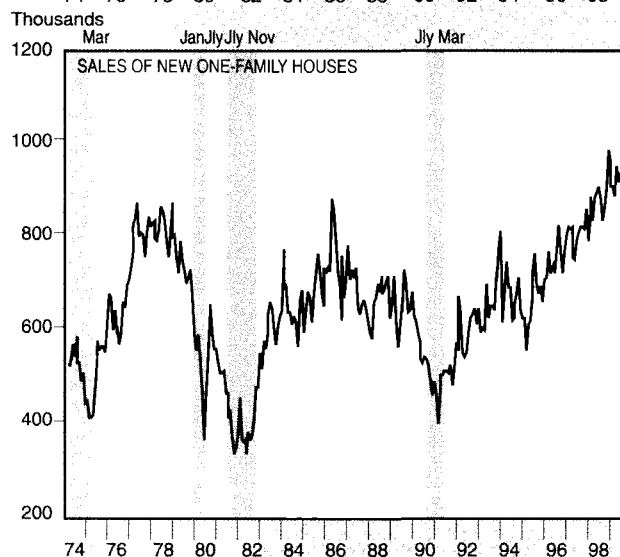
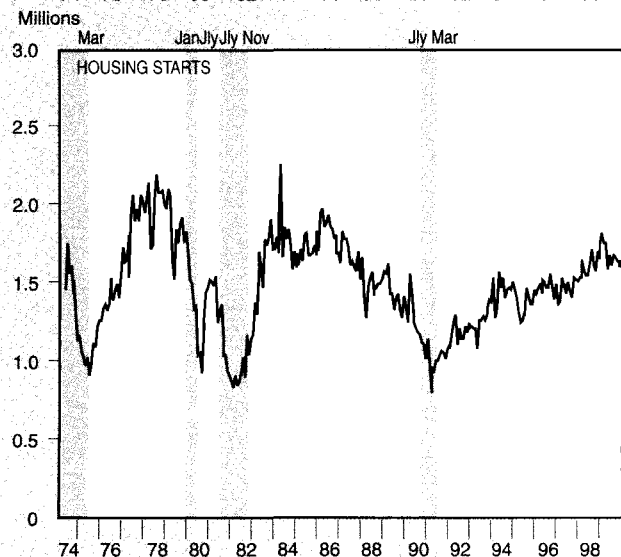
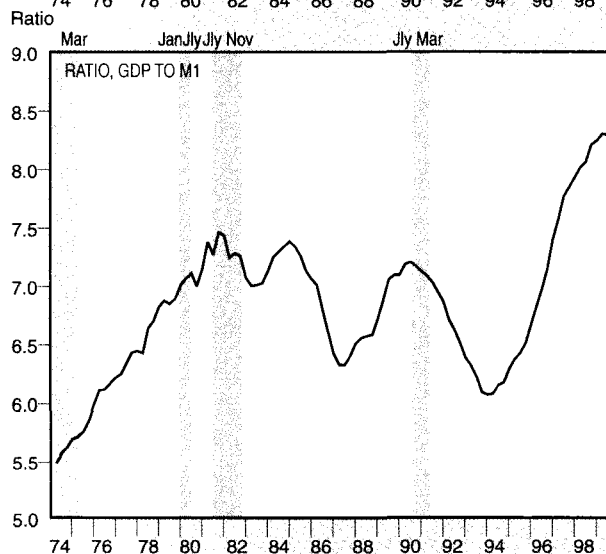
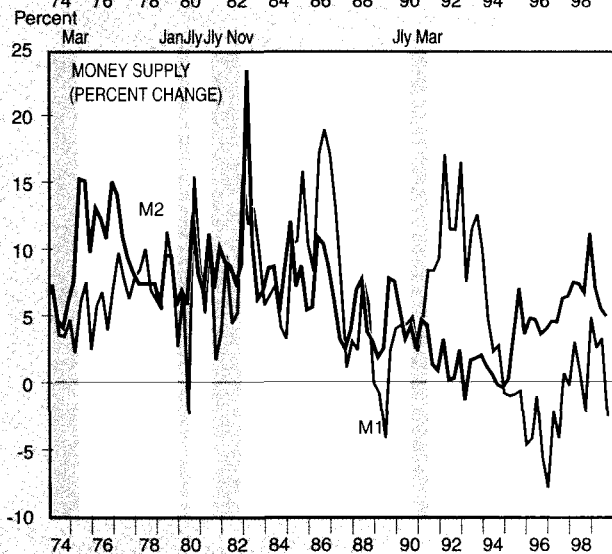
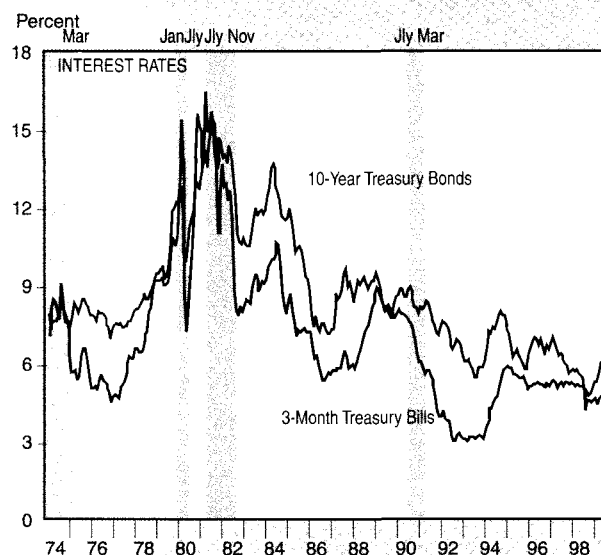
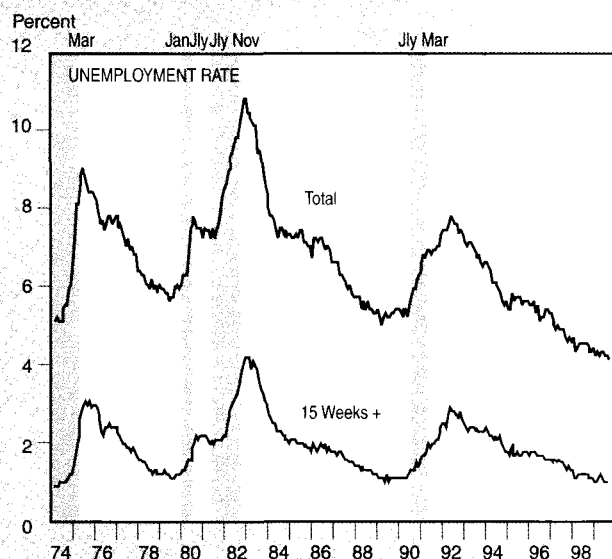
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OTHER INDICATORS OF THE DOMESTIC ECONOMY



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OTHER INDICATORS OF THE DOMESTIC ECONOMY



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International Data

F. Transactions Tables

Table F.1 includes the most recent estimates of U.S. international trade in goods and services; the estimates were released on December 16, 1999 and include "preliminary" estimates for October 1999 and "revised" estimates for April–September 1999. 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]

	1997	1998	1998				1999									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^r	May ^r	June ^r	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Exports of goods and services	938,543	933,907	77,234	79,617	79,126	78,161	77,833	77,025	77,047	78,062	77,893	78,557	78,815	82,171	82,025	81,929
Goods	679,715	670,246	55,472	57,193	56,926	56,005	55,263	54,704	54,326	55,269	55,121	55,472	55,890	59,139	58,934	58,702
Foods, feeds, and beverages	51,507	46,397	3,316	4,018	3,866	3,992	3,641	3,602	3,559	3,741	3,736	3,842	3,812	3,933	4,032	3,974
Industrial supplies and materials	158,226	148,266	12,021	12,371	12,483	11,832	11,269	11,383	11,361	11,601	11,746	11,720	11,527	12,523	13,127	13,402
Capital goods, except automotive	294,549	299,612	25,480	26,117	25,696	25,470	25,619	24,895	24,900	25,085	24,954	24,842	25,741	27,357	26,723	26,315
Automotive vehicles, engines, and parts	74,029	73,157	6,115	6,156	6,341	6,186	6,049	5,969	5,845	6,174	6,086	6,501	6,098	6,692	6,203	6,330
Consumer goods (nonfood), except automotive	77,366	79,261	6,687	6,620	6,647	6,530	6,573	6,805	6,517	6,737	6,501	6,544	6,653	6,582	6,911	6,770
Other goods	33,505	35,444	2,798	3,119	3,500	3,181	3,066	3,163	3,113	2,919	3,240	3,225	3,090	2,909	3,086	2,802
Adjustments ¹	-9,468	-11,892	-946	-1,208	-1,606	-1,166	-953	-1,113	-1,038	-994	-1,143	-1,202	-1,032	-855	-1,149	-892
Services	258,828	263,661	21,762	22,424	22,200	22,156	22,570	22,321	22,721	22,793	22,772	23,085	22,925	23,032	23,091	23,218
Travel	73,301	71,250	5,769	5,953	5,904	6,081	5,973	6,031	6,134	6,183	6,097	6,157	6,093	6,052	6,177	6,198
Passenger fares	20,789	19,996	1,717	1,827	1,826	1,590	1,621	1,659	1,715	1,731	1,743	1,766	1,760	1,768	1,804	1,806
Other transportation	27,006	25,518	2,108	2,253	2,197	2,125	2,128	2,129	2,244	2,239	2,212	2,280	2,252	2,342	2,327	2,366
Royalties and license fees	33,781	36,808	3,064	3,266	3,314	3,314	3,144	3,105	3,088	3,122	3,123	3,120	3,106	3,104	3,107	3,120
Other private services	85,566	92,116	7,781	7,821	7,672	7,747	7,879	8,037	8,179	8,159	8,146	8,226	8,247	8,213	8,236	8,366
Transfers under U.S. military agency sales contracts ²	17,561	17,155	1,256	1,435												

^r Preliminary.

^p 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. Department of Commerce, Bureau of Economic Analysis and Bureau of the Census

Table F.2.—U.S. International Transactions
(Millions of dollars)

Line	(Credits +; debits -) ¹	1998	Not seasonally adjusted						Seasonally adjusted					
			1998			1999			1998			1999		
			II	III	IV	I	II*	III*	II	III	IV	I	II*	III*
Current account														
1	Exports of goods and services and income receipts	1,192,231	299,841	288,254	303,581	293,832	302,257	308,910	298,463	291,493	299,985	295,932	301,369	312,189
2	Exports of goods and services	933,907	232,905	226,261	241,003	229,124	235,175	239,619	231,889	229,284	236,904	231,904	234,512	242,626
3	Goods, balance of payments basis ²	670,246	168,021	157,386	174,468	163,344	168,453	166,436	165,196	164,259	170,124	164,292	165,862	173,578
4	Services ³	263,661	64,884	68,875	66,535	65,780	66,722	73,183	66,691	65,025	66,780	67,612	68,650	69,048
5	Transfers under U.S. military agency sales contracts ⁴	17,155	4,489	3,979	4,081	4,340	4,099	4,257	4,489	3,979	4,081	4,340	4,099	4,257
6	Travel	71,250	18,119	20,354	17,125	15,809	18,271	21,661	18,280	17,149	17,938	18,138	18,437	18,322
7	Passenger fares	19,996	5,000	5,733	4,682	4,651	5,049	6,051	5,185	5,052	4,843	4,995	5,240	5,332
8	Other transportation	25,518	6,261	6,367	6,689	6,362	6,727	6,951	6,268	6,339	6,575	6,501	6,731	6,921
9	Royalties and license fees ⁵	36,808	8,716	8,866	10,571	9,124	9,063	9,189	9,002	9,029	9,894	9,337	9,365	9,317
10	Other private services ⁵	92,116	22,108	23,377	23,178	25,288	23,266	24,871	23,296	23,278	23,240	24,095	24,531	24,696
11	U.S. Government miscellaneous services	818	191	199	209	206	247	203	191	199	209	206	247	203
12	Income receipts	258,324	66,736	61,993	62,578	64,508	67,082	69,291	66,574	62,209	63,081	64,028	66,857	69,563
13	Income receipts on U.S.-owned assets abroad	256,467	66,273	61,528	62,113	64,038	66,611	68,821	66,111	61,744	62,617	63,558	66,386	69,093
14	Direct investment receipts	102,846	27,095	22,779	25,168	27,313	28,890	29,539	26,744	23,124	25,639	26,910	28,486	29,936
15	Other private receipts	150,001	38,412	37,744	36,019	35,760	37,072	38,426	38,412	37,744	36,019	35,760	37,072	38,426
16	U.S. Government receipts	3,620	766	1,005	965	649	856	649	955	876	959	888	828	751
17	Compensation of employees	1,857	463	465	465	470	471	470	463	465	464	470	471	470
18	Imports of goods and services and income payments	-1,368,718	-341,493	-351,539	-351,384	-342,780	-371,764	-397,886	-340,977	-344,182	-348,180	-354,246	-371,066	-390,934
19	Imports of goods and services	-1,098,189	-273,914	-282,050	-283,536	-275,023	-299,857	-323,064	-273,850	-275,008	-280,166	-285,878	-299,597	-316,451
20	Goods, balance of payments basis ²	-917,178	-227,633	-232,395	-239,118	-230,903	-249,336	-268,109	-228,698	-229,228	-233,711	-238,495	-260,274	-265,723
21	Services ³	-181,011	-46,281	-49,655	-44,418	-44,120	-50,521	-54,955	-45,152	-45,780	-46,455	-47,383	-49,323	-50,728
22	Direct defense expenditures	-12,841	-3,061	-3,276	-3,406	-3,503	-3,593	-3,850	-3,061	-3,276	-3,406	-3,503	-3,593	-3,850
23	Travel	-66,105	-15,193	-17,234	-12,016	-12,543	-16,063	-18,636	-14,168	-14,070	-14,131	-14,847	-14,960	-15,191
24	Passenger fares	-19,797	-5,325	-5,722	-4,518	-4,691	-5,111	-6,147	-4,958	-5,085	-5,125	-5,114	-5,361	-5,456
25	Other transportation	-30,457	-7,533	-7,820	-7,957	-7,554	-8,290	-9,230	-7,590	-7,700	-7,849	-7,726	-8,362	-9,102
26	Royalties and license fees ⁵	-11,292	-2,587	-2,685	-3,081	-3,162	-3,073	-2,881	-2,694	-2,721	-2,923	-3,176	-3,197	-2,921
27	Other private services ⁵	-47,670	-11,915	-12,153	-12,695	-11,985	-13,062	-13,455	-12,014	-12,163	-12,276	-12,335	-13,166	-13,452
28	U.S. Government miscellaneous services	-2,849	-667	-765	-745	-682	-729	-756	-667	-765	-745	-682	-729	-756
29	Income payments	-270,529	-67,579	-69,489	-67,848	-67,757	-71,907	-74,822	-67,127	-69,174	-68,014	-68,368	-71,469	-74,483
30	Income payments on foreign-owned assets in the United States	-263,423	-65,898	-67,631	-65,907	-66,024	-70,138	-72,871	-65,376	-67,381	-66,188	-66,504	-69,611	-72,613
31	Direct investment payments	-43,441	-11,089	-11,540	-10,800	-11,596	-15,023	-14,517	-10,567	-11,290	-11,081	-12,076	-14,496	-14,259
32	Other private payments	-128,863	-31,849	-33,314	-32,408	-31,759	-31,960	-34,207	-31,849	-33,314	-32,408	-31,759	-31,960	-34,207
33	U.S. Government payments	-91,119	-22,960	-22,777	-22,689	-22,669	-23,155	-24,147	-22,960	-22,777	-22,689	-22,669	-23,155	-24,147
34	Compensation of employees	-7,106	-1,681	-1,858	-1,941	-1,733	-1,769	-1,951	-1,751	-1,793	-1,826	-1,864	-1,858	-1,870
35	Unilateral current transfers, net	-44,075	-9,494	-10,807	-13,831	-10,420	-10,744	-11,179	-8,896	-10,787	-13,474	-10,340	-11,212	-11,204
36	U.S. Government grants ⁴	-13,057	-2,168	-2,807	-5,742	-2,200	-2,760	-2,700	-2,168	-2,807	-5,742	-2,200	-2,760	-2,700
37	U.S. Government pensions and other transfers	-4,350	-919	-865	-1,541	-893	-857	-997	-1,095	-1,106	-1,071	-1,104	-1,116	-1,107
38	Private remittances and other transfers ⁶	-26,668	-6,407	-6,935	-6,548	-7,327	-7,127	-7,482	-6,623	-6,874	-6,661	-7,036	-7,336	-7,397
Capital and financial account														
Capital account														
39	Capital account transactions, net	617	160	148	166	166	178	166	160	148	166	166	178	166
Financial account														
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-292,818	-121,852	-63,492	-44,586	-18,746	-156,044	-102,510	-120,517	-62,097	-50,607	-15,148	-154,713	-101,483
41	U.S. official reserve assets, net	-6,784	-1,945	-2,026	-2,369	4,068	1,159	1,950	-1,945	-2,026	-2,369	4,068	1,159	1,950
42	Gold ⁷	-149	72	188	-227	563	-190	-185	72	188	-227	563	-190	-185
43	Special drawing rights	-5,118	-1,031	-2,078	-1,924	3	1,413	2,268	-1,031	-2,078	-1,924	3	1,413	2,268
44	Reserve position in the International Monetary Fund	-1,517	-986	-136	-218	3,502	-64	-133	-986	-136	-218	3,502	-64	-133
45	Foreign currencies	-429	-483	185	-50	119	-392	-673	-483	185	-50	119	-392	-673
46	U.S. Government assets, other than official reserve assets, net	-4,676	-1,156	-1,285	-1,043	-1,304	-2,167	-1,591	-1,156	-1,285	-1,043	-1,304	-2,167	-1,591
47	U.S. credits and other long-term assets	4,102	699	1,332	938	1,545	1,887	1,020	699	1,332	938	1,545	1,887	1,020
48	Repayments on U.S. credits and other long-term assets ⁸	145	-26	138	55	-122	-112	-102	-26	138	55	-122	-112	-102
49	U.S. private assets, net	-285,005	-119,424	-61,651	-42,167	-22,933	-156,811	-103,787	-118,089	-60,256	-48,188	-19,335	-155,480	-102,760
50	Direct investment	-132,829	-44,507	-22,981	-24,752	-44,983	-32,897	-45,562	-43,172	-21,586	-30,773	-41,385	-31,566	-44,535
51	Foreign securities	-102,817	-32,886	14,994	-70,809	8,132	-64,579	-26,511	-32,886	14,994	-70,809	8,132	-64,579	-26,511
52	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-25,041	-14,327	-20,320	16,202	-13,853	-16,816	-32,098	-14,327	-20,320	16,202	-13,853	-16,816	-32,098
53	U.S. claims reported by U.S. banks, not included elsewhere	-24,918	-27,704	-33,344	37,192	27,771	-42,519	384	-27,704	-33,344	37,192	27,771	-42,519	384
54	Foreign-owned assets in the United States, net (increase/financial inflow(+))	502,637	163,275	94,776	147,893	88,636	275,220	208,177	162,466	93,547	149,805	88,980	274,271	207,183
55	Foreign official assets in the United States, net	-21,684	-10,551	-46,489	24,352	4,708	-628	12,106	-10,551	-46,489	24,352	4,708	-628	12,106
56	U.S. Government securities	-3,625	-20,064	-30,905	33,398	6,793	-916	14,812	-20,064	-30,905	33,398	6,793	-916	14,812
57	U.S. Treasury securities ⁹	-9,957	-20,318	-32,811	31,836	800	-6,708	12,880	-20,318	-32,811	31,836	800	-6,708	12,880
58	Other ¹⁰	6,332	254	1,906	1,562	5,993	5,792	1,932	254	1,906	1,562	5,993	5,792	1,932
59	Other U.S. Government liabilities ¹¹	-3,113	-807	-224	-1,054	-1,594	-647	-1,163	-807	-224	-1,054	-1,594	-647	-1,163
60	U.S. liabilities reported by U.S. banks, not included elsewhere	-11,489	9,488	-12,866	-7,133	-589	1,437	-1,832	9,488	-12,866	-7,133	-589	1,437	-1,832
61	Other foreign official assets ¹²	-3,477	832	-2,494	-859	98	-502	289	832	-2,494	-859	98	-502	289
62	Other foreign assets in the United States, net	524,321	173,826	141,265	123,541	83,928	275,848	196,071	173,017	140,036	125,453	84,152	274,899	195,047
63	Direct investment	193,375	21,755	26,135	118,693	22,725	155,322	45,498	20,946	24,906	120,505	22,949	154,373	44,474
64	U.S. Treasury securities	46,155	25,759	-1,438	24,391	-8,781	-5,407	9,713	25,759	-1,438	24,391	-8,781	-5,407	9,713

Table F.3.—U.S. International Transactions, by Area

(Millions of dollars)

Line	(Credits +; debits -) ¹	Western Europe			European Union ¹⁴			United Kingdom			European Union (6) ¹⁵		
		2000			2000			2000			2000		
		I	II	III	I	II	III	I	II	III	I	II	III
Current account													
1	Exports of goods and services and income receipts	94,152	92,875	94,140	85,586	83,783	84,729	26,593	26,166	26,796	44,932	43,857	44,674
2	Exports of goods and services	64,445	64,038	63,831	58,946	58,246	57,769	16,267	16,106	16,181	32,458	32,026	31,931
3	Goods, balance of payments basis ²	41,287	40,173	37,697	38,499	36,847	34,446	9,809	9,302	8,967	22,381	21,596	20,106
4	Services ³	23,158	23,865	26,134	20,447	21,399	23,323	6,458	6,804	7,214	10,077	10,430	11,825
5	Transfers under U.S. military agency sales contracts ⁴	1,169	1,025	1,262	589	592	791	118	97	87	189	150	323
6	Travel	4,788	5,784	7,055	4,402	5,306	6,462	1,601	1,975	2,188	2,030	2,424	3,238
7	Passenger fares	1,481	1,748	2,081	1,426	1,693	2,009	493	566	625	734	869	1,098
8	Other transportation	1,784	1,785	1,914	1,540	1,551	1,662	385	391	417	724	744	824
9	Royalties and license fees ⁵	4,615	4,477	4,445	4,366	4,220	4,191	874	837	880	2,578	2,436	2,393
10	Other private services ⁵	9,282	9,001	9,341	8,091	7,997	8,177	2,960	2,929	3,008	3,830	3,791	3,954
11	U.S. Government miscellaneous services	39	45	36	33	40	31	7	9	9	12	16	15
12	Income receipts	29,707	28,837	30,309	26,640	25,517	26,960	10,326	10,060	10,615	12,474	11,831	12,743
13	Income receipts on U.S.-owned assets abroad	29,670	28,800	30,272	26,606	25,483	26,926	10,309	10,042	10,597	12,459	11,817	12,729
14	Direct investment receipts	13,962	12,914	13,212	12,232	11,042	11,531	3,795	3,314	3,276	6,679	6,115	6,743
15	Other private receipts	15,427	15,760	16,838	14,130	14,331	15,217	6,514	6,728	7,321	5,616	5,609	5,884
16	U.S. Government receipts	291	126	222	244	110	178	.....	.....	.....	164	93	102
17	Compensation of employees	37	37	37	34	34	34	17	18	18	15	14	14
18	Imports of goods and services and income payments	-101,041	-110,488	-115,271	-91,871	-100,244	-104,133	-31,919	-34,799	-36,528	-47,166	-51,484	-52,930
19	Imports of goods and services	-66,068	-74,157	-77,538	-60,195	-67,146	-69,384	-14,364	-16,250	-16,765	-35,847	-39,500	-40,379
20	Goods, balance of payments basis ²	-48,566	-52,424	-54,252	-44,717	-47,919	-48,921	-8,823	-9,812	-9,918	-28,096	-29,920	-30,237
21	Services ³	-17,502	-21,733	-23,286	-15,478	-19,227	-20,463	-5,541	-6,838	-6,847	-7,751	-9,580	-10,142
22	Direct defense expenditures	-1,935	-2,070	-2,280	-1,704	-1,775	-1,880	-166	-182	-180	-1,440	-1,490	-1,600
23	Travel	-3,593	-6,192	-7,013	-3,284	-5,568	-6,230	-1,108	-1,601	-1,697	-1,619	-2,861	-3,089
24	Passenger fares	-2,064	-3,154	-3,341	-1,869	-2,831	-3,017	-318	-1,202	-1,246	-782	-1,190	-1,247
25	Other transportation	-2,554	-2,714	-3,104	-2,103	-2,248	-2,592	-555	-581	-714	-1,020	-1,102	-1,235
26	Royalties and license fees ⁵	-2,087	-1,942	-1,747	-1,788	-1,626	-1,452	-601	-477	-337	-963	-897	-899
27	Other private services ⁵	-5,002	-5,373	-5,505	-4,504	-4,931	-5,037	-2,271	-2,571	-2,649	-1,770	-1,877	-1,886
28	U.S. Government miscellaneous services	-267	-288	-296	-226	-248	-255	-22	-24	-24	-177	-163	-186
29	Income payments	-34,973	-36,331	-37,733	-31,676	-33,098	-34,749	-17,555	-18,549	-19,761	-11,319	-11,964	-12,551
30	Income payments on foreign-owned assets in the United States	-34,886	-36,255	-37,661	-31,606	-33,035	-34,689	-17,534	-18,529	-19,741	-11,277	-11,926	-12,516
31	Direct investment payments	-9,059	-10,028	-9,752	-7,950	-9,056	-9,232	-2,312	-2,560	-2,718	-4,644	-5,550	-5,738
32	Other private payments	-15,760	-16,246	-17,719	-14,368	-14,749	-16,051	-10,041	-10,783	-11,693	-3,668	-3,352	-3,688
33	U.S. Government payments	-10,077	-9,981	-10,190	-9,288	-9,230	-9,406	-5,181	-5,186	-5,330	-2,975	-3,024	-3,090
34	Compensation of employees	-87	-76	-72	-70	-63	-60	-21	-20	-20	-42	-38	-35
35	Unilateral current transfers, net	-30	66	-22	296	345	311	387	417	432	141	151	110
36	U.S. Government grants ⁴	-172	-100	-167	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	U.S. Government pensions and other transfers	-328	-329	-340	-293	-297	-299	-51	-50	-48	-161	-162	-171
38	Private remittances and other transfers ⁶	470	495	485	589	642	610	438	467	480	302	313	281
Capital and financial account													
Capital account													
39	Capital account transactions, net	37	37	38	34	34	35	12	12	12	16	16	17
Financial account													
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-22,065	-143,513	-42,804	-17,814	-119,750	-34,648	6,178	-104,891	-26,888	-16,051	-18,111	-6,444
41	U.S. official reserve assets, net	5,502	348	-103	-1,972	-159	-67	.....	.....	.....	.....	.....	.....
42	Gold ⁷	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies	5,502	348	-103	-1,972	-159	-67	.....	.....	.....	.....	.....	.....
46	U.S. Government assets, other than official reserve assets, net	206	61	97	139	9	-6	-4	-2	-4	-16	6	1
47	U.S. credits and other long-term assets	-62	-36	-196	-37	-29	-195	.....	.....	.....	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets ⁸	294	91	288	196	35	190	.....	.....	.....	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net	-26	6	5	-20	3	-1	-4	-2	-4	-16	6	1
50	U.S. private assets, net	-27,773	-143,922	-42,798	-15,981	-119,600	-34,575	6,182	-104,898	-26,884	-16,035	-18,117	-6,445
51	Direct investment	-21,262	-8,262	-32,331	-17,296	-30,982	-2,679	-9,303	-21,157	-11,464	1,712	-8,046	-8,046
52	Foreign securities	21,689	-49,590	-12,110	20,853	-51,891	-14,525	17,912	-46,591	-13,678	3,095	-6,034	-2,520
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-23,909	-7,476	.....	-22,230	-16,161	.....	-14,819	-8,520	.....	-5,018	1,107	.....
54	U.S. claims reported by U.S. banks, not included elsewhere	-4,291	-78,594	1,643	2,692	-53,330	10,932	5,768	-40,475	7,951	-2,648	-12,902	4,121
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	78,971	191,809	105,732	79,175	167,196	102,937	45,073	113,606	70,224	39,728	61,523	24,528
56	Foreign official assets in the United States, net	-4,419	-9,707	-1,057	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	-432	-473	-505	-51	-202	-171	-116	-94	-80	64	49	-99
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	83,390	201,316	106,789	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	21,839	140,447	31,623	20,375	141,856	29,727	1,316	79,370	15,155	16,457	62,635	9,966
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	48,854	49,525	62,883	45,828	45,850	61,362	30,309	29,020	48,655	12,631	13,210	9,964
67	U.S. currency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	19,506	18,265	.....	16,341	16,491	.....	21,863	11,765	.....	-4,591	4,911	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere	(17)	(17)	(17)	-3,118	-36,799	12,019	-8,299	-6,456	6,494	15,167	-19,282	4,695
70	Statistical discrepancy (sum of above items with sign reversed)	-50,024	-30,596	-41,813	-55,406	-31,344	-49,231	-46,324	-510	-34,050	-21,900	-35,972	-9,953
Memoranda:													
71	Balance on goods (lines 3 and 20)	-7,279	-12,251	-16,555	-6,218	-11,072	-14,475	986	-310	-951	-5,715	-8,324	-10,131
72	Balance on services (lines 4 and 21)	5,656	2,132	2,848	4,969	2,772	2,860	917	166	367	2,326	850	1,683
73	Balance on goods and services (lines 2 and 19)	-1,623	-10,119	-13,707	-1,249	-8,300	-11,615	1,903	-144	-584	-3,389	-7,474	-8,448
74	Balance on income (lines 12 and 29)	-5,266	-7,494	-7,424	-5,036	-7,581	-7,789	-7,229	-8,489	-9,146	1,155	-133	192
75	Unilateral current transfers, net (line 35)	-30	66	-22	296	345	311	387	417	432	141	151	110
76	Balance on current account (lines 1, 18, and 35 or lines 73, 74, and 75) ¹³	-6,919	-17,547	-21,153	-5,989	-16,136	-19,093	-4,939					

Table F.3.—U.S. International Transactions, by Area—Continued
(Millions of dollars)

Line	(Credits +; debits -) ¹	Eastern Europe			Canada			Latin America and Other Western Hemisphere			Japan		
		2000			2000			2000			2000		
		I	II ²	III	I	II ²	III	I	II ²	III	I	II ²	III PPP ³
Current account													
1	Exports of goods and services and income receipts	2,853	2,770	3,239	50,011	53,800	50,240	57,854	62,330	65,270	25,346	23,678	25,031
2	Exports of goods and services	2,156	2,273	2,565	45,304	48,257	44,759	43,520	46,284	49,063	22,928	21,152	22,729
3	Goods, balance of payments basis ²	1,213	1,304	1,458	40,070	42,857	39,594	32,125	34,060	35,417	14,432	13,328	13,586
4	Services ³	943	969	1,107	5,234	5,400	5,185	11,395	12,224	13,646	8,496	7,824	9,143
5	Transfers under U.S. military agency sales contracts ⁴	67	81	94	28	34	25	152	135	99	501	173	183
6	Travel	258	319	381	1,674	1,808	1,477	4,347	4,897	5,556	2,358	2,231	2,923
7	Passenger fares	40	44	41	438	363	367	1,255	1,375	1,653	922	872	1,117
8	Other transportation	65	105	112	585	627	625	820	874	910	752	817	840
9	Royalties and license fees ⁵	67	66	70	424	400	434	610	672	672	1,563	1,596	1,689
10	Other private services ⁶	439	344	397	2,054	2,147	2,216	4,170	4,193	4,416	2,383	2,125	2,380
11	U.S. Government miscellaneous services	7	10	12	21	21	21	41	78	40	17	10	11
12	Income receipts	497	497	674	4,707	5,543	5,481	14,334	16,046	16,207	2,418	2,526	2,302
13	Income receipts on U.S.-owned assets abroad	495	495	672	4,687	5,524	5,463	14,297	16,008	16,172	2,415	2,523	2,296
14	Direct investment receipts	45	13	159	1,909	2,831	2,787	3,979	5,127	4,886	1,003	871	921
15	Other private receipts	484	472	466	2,778	2,693	2,676	10,212	10,754	11,208	1,405	1,667	1,980
16	U.S. Government receipts	56	10	47	.....	.....	.....	106	127	78	7	-15	17
17	Compensation of employees	2	2	2	20	19	18	37	38	35	3	3	4
18	Imports of goods and services and income payments	-3,294	-4,411	-4,346	-52,743	-56,926	-57,328	-58,343	-63,021	-67,952	-42,970	-44,236	-47,341
19	Imports of goods and services	-2,874	-3,998	-3,934	-50,640	-54,264	-54,780	-45,878	-49,579	-53,709	-35,150	-35,203	-37,984
20	Goods, balance of payments basis ²	-2,402	-3,096	-2,856	-47,684	-50,096	-49,408	-37,327	-41,166	-44,660	-31,098	-30,849	-33,435
21	Services ³	-472	-902	-1,078	-2,956	-4,168	-5,372	-8,551	-9,049	-10,049	-4,052	-4,354	-4,549
22	Direct defense expenditures	-50	-47	-80	-14	-16	-20	-94	-76	-79	-328	-378	-380
23	Travel	-151	-458	-573	-875	-1,526	-2,531	-4,028	-3,909	-4,367	-790	-795	-706
24	Passenger fares	-57	-141	-161	-125	-189	-210	-856	-713	-805	-200	-227	-230
25	Other transportation	-42	-71	-80	-727	-822	-817	-605	-620	-656	-1,065	-1,193	-1,405
26	Royalties and license fees ⁵	-1	-3	-3	-114	-114	-119	-67	-64	-68	-627	-687	-686
27	Other private services ⁶	-155	-163	-160	-1,055	-1,447	-1,619	-2,781	-2,899	-2,942	-1,008	-1,039	-1,109
28	U.S. Government miscellaneous services	-16	-19	-21	-46	-54	-66	-120	-132	-132	-34	-35	-33
29	Income payments	-420	-413	-412	-2,103	-2,662	-2,548	-12,465	-13,442	-14,243	-7,820	-9,033	-9,357
30	Income payments on foreign-owned assets in the United States	-401	-397	-397	-2,024	-2,586	-2,474	-11,087	-11,960	-12,555	-7,797	-9,017	-9,343
31	Direct investment payments	-2	-4	-6	-641	-1,239	-984	-282	-492	-484	65	-1,768	-1,606
32	Other private payments	-97	-91	-92	-1,176	-1,099	-1,168	-8,503	-8,941	-9,297	-2,859	-2,118	-2,187
33	U.S. Government payments	-302	-302	-300	-207	-248	-322	-2,302	-2,527	-2,774	-5,003	-5,131	-5,550
34	Compensation of employees	-19	-16	-15	-79	-76	-74	-1,378	-1,482	-1,688	-23	-16	-14
35	Unilateral current transfers, net	-856	-871	-896	-174	-145	-175	-3,379	-3,445	-3,615	-101	-53	-71
36	U.S. Government grants ⁴	-424	-442	-481	.....	.....	.....	-380	-421	-493	.....	.....	.....
37	U.S. Government pensions and other transfers	-12	-11	-10	-120	-121	-126	-154	-156	-158	-26	-25	-23
38	Private remittances and other transfers ⁶	-420	-418	-405	-54	-24	-49	-2,845	-2,868	-2,964	-75	-28	-48
Capital and financial account													
Capital account													
39	Capital account transactions, net	6	6	6	28	36	31	62	50	54	6	6	6
Financial account													
40	U.S.-owned assets abroad, net (increase/financial outflow (-))	-1,518	622	-759	2,889	4,023	-706	11,682	-16,356	-38,596	-994	7,605	-15,174
41	U.S. official reserve assets, net	.....	.....	.....	.....	.....	.....	.....	.....	.....	-2,000	-412	-30
42	Gold ⁷	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Special drawing rights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Reserve position in the International Monetary Fund	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Foreign currencies	.....	.....	.....	.....	.....	.....	.....	.....	.....	-2,000	-412	-30
46	U.S. Government assets, other than official reserve assets, net	-19	-57	-119	.....	.....	.....	170	87	127	12	30	-8
47	U.S. credits and other long-term assets	-164	-1,138	-139	.....	.....	.....	-802	-401	-230	.....	.....	.....
48	Repayments on U.S. credits and other long-term assets ⁸	180	1,086	21	.....	.....	.....	765	497	356	.....	.....	.....
49	U.S. foreign currency holdings and U.S. short-term assets, net	-15	-6	-1	.....	.....	.....	7	-9	1	12	30	-8
50	U.S. private assets, net	-1,499	679	-640	2,889	4,023	-706	11,512	-16,443	-38,723	994	7,987	-15,136
51	Direct investment	-258	-301	-276	-2,644	-6,860	-2,726	-7,013	-9,663	-1,786	-499	-730	-2,170
52	Foreign securities	-120	-118	-7	-980	166	-265	-731	-9,713	-7,941	-10,476	-5,357	-9,648
53	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	72	11	.....	-2,787	1,212	.....	6,346	-8,553	-24,900	6,094	-955	.....
54	U.S. claims reported by U.S. banks, not included elsewhere	-1,193	1,087	-357	9,300	9,505	2,285	12,910	11,486	-4,096	5,875	15,029	-3,318
55	Foreign-owned assets in the United States, net (increase/financial inflow (+))	2,910	-2,632	41	7,951	10,166	7,905	937	57,821	39,287	-21,605	4,855	30,797
56	Foreign official assets in the United States, net	(18)	(18)	(18)	2,904	-598	328	(18)	(18)	(18)	(18)	(18)	(18)
57	U.S. Government securities	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
58	U.S. Treasury securities ⁹	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
59	Other ¹⁰	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
60	Other U.S. Government liabilities ¹¹	59	141	112	8	12	-3	-13	-25	-23	-487	-52	-14
61	U.S. liabilities reported by U.S. banks, not included elsewhere	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
62	Other foreign official assets ¹²	(18)	(18)	(18)	(17)	(17)	(17)	(18)	(18)	(18)	(18)	(18)	(18)
63	Other foreign assets in the United States, net	(18)	(18)	(18)	5,047	10,764	7,577	(18)	(18)	(18)	(18)	(18)	(18)
64	Direct investment	-166	50	107	1,825	7,099	3,685	800	1,642	4,650	-2,889	4,827	3,435
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	15	-140	-97	2,241	-306	224	9,053	22,921	14,377	-1,636	3,508	11,614
67	U.S. currency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	75	-122	.....	572	413	.....	555	-10,399	3,000	-1,168	-3,094	.....
69	U.S. liabilities reported by U.S. banks, not included elsewhere	2,927	-2,561	-81	(17)	(17)	(17)	-9,458	43,682	17,263	-15,425	-334	15,762
70	Statistical discrepancy (sum of above items with sign reversed)	99	4,516	2,815	-7,962	-10,954	33	-8,813	-37,388	5,572	40,318	8,145	6,752
Memoranda:													
71	Balance on goods (lines 3 and 20)	-1,189	-1,792	-1,398	-7,614	-7,239	-9,814	-5,202	-7,106	-9,243	-16,866	-17,521	-19,849
72	Balance on services (lines 4 and 21)	471	67	29	2,278	2,232	-207	2,844	3,811	4,597	4,444	3,470	4,594
73	Balance on goods and services (lines 2 and 19)	-718	-1,725	-1,369	-5,336	-6,007	-10,021	-2,358	-3,295	-4,646	-12,222	-14,051	-15,255
74	Balance on income (lines 12 and 29)	77	84	262	2,604	2,881	2,933	1,869	2,604	1,964	-5,402	-6,507	-7,055
75	Unilateral current transfers, net (line 35)	-856	-871	-896	-174	-145	-175	-3,379	-3,445	-3,615	-101	-53	-71
76	Balance on current account (lines 1, 16, and 35 or lines 73, 74, and 75) ¹³	-1,497	-2,512	-2,103	-2,906	-3,271	-7,263	-3,868	-4,136	-6,297	-17,725	-20,611	-22,381

13. Conceptually, line 76 is equal to "net foreign investment" in the national income and product accounts (NIPA's). However, the foreign transactions account in the NIPA's (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

Table F.3.—U.S. International Transactions, by Area—Continued
[Millions of dollars]

Line	(Credits +; debits -) ¹	Australia			Other countries in Asia and Africa			International organizations and unallocated ¹⁶		
		2000			2000			2000		
		I	II*	III	I	II*	III	I	II*	III PPP
Current account										
1	Exports of goods and services and income receipts	4,834	5,458	5,593	51,342	53,930	58,028	7,440	7,416	7,369
2	Exports of goods and services	3,734	4,102	4,337	45,919	47,922	51,148	1,118	1,147	1,187
3	Goods, balance of payments basis ²	2,543	2,758	2,938	31,674	33,973	35,746			
4	Services ³	1,191	1,344	1,399	14,245	13,949	15,402	1,118	1,147	1,187
5	Transfers under U.S. military agency sales contracts ⁴	51	95	99	2,372	2,556	2,495			
6	Travel	342	416	425	2,042	2,816	3,544			
7	Passenger fares	123	154	163	392	493	629			
8	Other transportation	81	86	91	2,160	2,286	2,294	115	147	165
9	Royalties and license fees ⁵	187	187	199	1,165	1,174	1,181	493	491	499
10	Other private services ⁵	406	405	421	6,034	4,542	5,177	510	509	523
11	U.S. Government miscellaneous services	1	1	1	80	82	82			
12	Income receipts	1,100	1,356	1,256	5,423	6,008	6,880	6,322	6,269	6,182
13	Income receipts on U.S.-owned assets abroad	1,098	1,354	1,254	5,406	5,991	6,862	5,970	5,916	5,828
14	Direct investment receipts	365	585	520	2,792	3,367	3,962	3,358	3,182	3,092
15	Other private receipts	733	769	734	2,325	2,414	2,599	2,396	2,543	2,545
16	U.S. Government receipts				289	210	301	216	191	191
17	Compensation of employees	2								

15. The "European Union (EU)" 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; 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 not shown separately; see totals in lines 56 and 63.

18. Details not shown separately are included in line 69.

NOTE.—The data in tables F.2 and F.3 are from tables 1 and 10 in "U.S. International Transactions, Third Quarter 1999" in this issue of the SURVEY OF CURRENT BUSINESS, which presents the most recent estimates from the balance of payments accounts.

Table F.4—Private Service Transactions

[Millions of dollars]

Line		1997	1998	Seasonally adjusted					
				1998			1999		
				II	III	IV	I	II [*]	III ^P
1	Exports of private services	240,443	245,688	62,011	60,847	62,490	63,066	64,304	64,588
2	Travel (table F.2, line 6)	73,301	71,250	18,260	17,149	17,938	18,138	18,437	18,322
3	Passenger fares (table F.2, line 7)	20,789	19,996	5,185	5,052	4,843	4,995	5,240	5,332
4	Other transportation (table F.2, line 8)	27,008	25,518	6,268	6,339	6,575	6,501	6,731	6,921
5	Freight	11,789	11,178	2,769	2,684	2,852	2,819	2,848	2,966
6	Port services	15,217	14,340	3,498	3,654	3,722	3,682	3,883	3,955
7	Royalties and license fees (table F.2, line 9)	33,781	36,808	9,002	9,029	9,894	9,337	9,365	9,317
8	Affiliated	25,024	26,761	6,542	6,491	7,223	6,840	6,803	6,493
9	U.S. parents' receipts	23,221	24,712	6,066	6,091	6,591	6,081	6,003	5,971
10	U.S. affiliates' receipts	1,803	2,049	476	400	632	559	600	522
11	Unaffiliated	8,757	10,047	2,480	2,538	2,671	2,697	2,762	2,824
12	Industrial processes ¹	3,552	4,138	1,018	1,053	1,094	1,093	1,097	1,097
13	Other ²	5,205	5,909	1,442	1,485	1,578	1,604	1,665	1,727
14	Other private services (table F.2, line 10)	85,566	92,118	23,296	23,278	23,240	24,095	24,531	24,696
15	Affiliated services	27,272	28,321	7,114	7,184	7,036	7,454	7,086	7,316
16	U.S. parents' receipts	17,271	18,212	4,631	4,411	4,561	4,560	4,402	4,826
17	U.S. affiliates' receipts	10,001	10,109	2,483	2,773	2,475	2,894	2,684	2,680
18	Unaffiliated services	58,294	63,795	16,182	16,094	16,204	16,641	17,445	17,380
19	Education	8,343	8,964	2,251	2,310	2,243	2,312	2,309	2,351
20	Financial services	11,539	13,686	3,778	3,419	3,369	3,419	3,950	3,624
21	Insurance, net	2,485	2,842	696	717	746	794	831	869
22	Premiums received	6,133	6,995	1,722	1,780	1,826	1,860	1,887	1,911
23	Losses paid	3,648	4,143	1,026	1,063	1,080	1,066	1,056	1,042
24	Telecommunications	3,949	3,689	926	900	908	882	872	818
25	Business, professional, and technical services	22,467	24,338	6,017	6,164	6,299	6,544	6,746	6,892
26	Other unaffiliated services ³	9,511	10,264	2,513	2,583	2,640	2,690	2,737	2,826
27	Imports of private services	152,447	165,321	41,424	41,739	42,304	43,198	45,001	46,122
28	Travel (table F.2, line 23)	52,051	56,105	14,168	14,070	14,131	14,847	14,980	15,191
29	Passenger fares (table F.2, line 24)	18,138	19,797	4,958	5,085	5,125	5,114	5,316	5,456
30	Other transportation (table F.2, line 25)	28,959	30,457	7,590	7,700	7,849	7,726	8,362	9,102
31	Freight	17,654	19,412	4,858	4,999	5,006	4,864	5,413	6,031
32	Port services	11,305	11,048	2,732	2,701	2,843	2,862	2,949	3,071
33	Royalties and license fees (table F.2, line 26)	9,390	11,292	2,694	2,721	2,923	3,176	3,197	2,921
34	Affiliated	6,967	8,374	2,050	2,037	2,271	2,514	2,519	2,208
35	U.S. parents' payments	989	1,169	273	298	308	304	310	307
36	U.S. affiliates' payments	5,978	7,205	1,777	1,739	1,963	2,210	2,209	1,901
37	Unaffiliated	2,423	2,918	644	684	652	662	678	713
38	Industrial processes ¹	1,418	1,546	382	392	401	408	414	420
39	Other ²	1,006	1,372	262	292	252	254	264	292
40	Other private services (table F.2, line 27)	43,909	47,670	12,014	12,163	12,276	12,335	13,166	13,452
41	Affiliated services	17,728	19,095	4,856	4,974	4,998	5,033	5,620	5,742
42	U.S. parents' payments	8,927	9,730	2,424	2,453	2,565	2,581	2,744	2,726
43	U.S. affiliates' payments	8,801	9,365	2,432	2,521	2,433	2,452	2,876	3,016
44	Unaffiliated services	26,181	28,575	7,158	7,189	7,278	7,302	7,546	7,710
45	Education	1,395	1,538	380	401	401	404	423	440
46	Financial services	3,563	3,771	1,010	932	902	834	949	1,072
47	Insurance, net	6,002	6,908	1,717	1,736	1,753	1,816	1,878	1,949
48	Premiums paid	15,233	18,581	4,572	4,770	4,910	4,998	5,054	5,095
49	Losses recovered	9,231	11,673	2,855	3,034	3,157	3,183	3,175	3,146
50	Telecommunications	8,351	8,125	2,032	2,014	2,029	2,024	2,011	1,915
51	Business, professional, and technical services	6,358	7,684	1,884	1,968	2,045	2,103	2,160	2,211
52	Other unaffiliated services ³	511	549	135	136	148	121	124	123
53	Memoranda:								
53	Balance on goods (table F.2, line 71)	-196,651	-246,932	-63,500	-64,969	-63,587	-74,203	-84,412	-92,145
54	Balance on private services (line 1 minus line 27)	87,996	80,367	20,587	19,108	20,166	19,868	19,303	18,466
55	Balance on goods and private services (lines 53 and 54)	-108,655	-166,565	-42,913	-45,861	-43,401	-54,335	-65,109	-73,679

^P Preliminary.^{*} Revised.

1. Patented techniques, processes, and formulas and other intangible property rights that are used in goods production.

2. Copyrights, trademarks, franchises, rights to broadcast live events, and other intangible property rights.

3. Other unaffiliated services receipts (exports) include mainly expenditures of foreign governments and international organizations in the United States. Payments (imports) include mainly expenditures of U.S. residents temporarily working abroad and film rentals.

NOTE.—The data in this table are from table 3 in "U.S. International Transactions, Third Quarter 1999" in this issue of the SURVEY OF CURRENT BUSINESS, which presents the most recent estimates from the balance of payments accounts.

G. Investment Tables

Table G.1.—International Investment Position of the United States at Yearend, 1997 and 1998

[Millions of dollars]

Line	Type of investment	Position, 1997 ^a	Changes in position in 1998 (decrease (-))					Position, 1998 ^a
			Attributable to:				Total (a+b+c+d)	
			Financial flows	Valuation adjustments				
				Price changes	Exchange rate changes ¹	Other changes ²		
		(a)	(b)	(c)	(d)			
	Net international investment position of the United States:							
1	With direct investment positions at current cost (line 3 less line 24) ...	-968,208	-209,819	-167,585	45,380	61,064	-270,960	-1,239,168
2	With direct investment positions at market value (line 4 less line 25) ...	-1,066,262	-209,819	-319,300	56,282	1,633	-471,204	-1,537,466
	U.S.-owned assets abroad:							
3	With direct investment positions at current cost (lines 5+10+15)	4,508,626	292,818	101,041	43,704	-15,293	422,270	4,930,896
4	With direct investment positions at market value (lines 5+10+16)	5,288,892	292,818	315,522	54,584	-3,833	659,091	5,947,983
5	U.S. official reserve assets	134,836	6,784	-628	5,024	-10	11,170	146,006
6	Gold	75,929		³ -628		⁴ -10	-638	75,291
7	Special drawing rights	10,027	149		427		576	10,603
8	Reserve position in the International Monetary Fund	18,071	5,118		922		6,040	24,111
9	Foreign currencies	30,809	1,517		3,675		5,192	36,001
10	U.S. Government assets, other than official reserve assets	81,960	429		-5	-2	422	82,382
11	U.S. credits and other long-term assets ⁵	79,607	574			-2	572	80,179
12	Repayable in dollars	79,273	602			-1	601	79,874
13	Other ⁶	334	-28			-1	-29	305
14	U.S. foreign currency holdings and U.S. short-term assets	2,353	-145		-5		-150	2,203
	U.S. private assets:							
15	With direct investment at current cost (lines 17+19+22+23)	4,291,830	285,605	101,669	38,685	-15,281	410,678	4,702,508
16	With direct investment at market value (lines 18+19+22+23)	5,072,096	285,605	316,150	49,565	-3,821	647,499	5,719,595
	Direct investment abroad:							
17	At current cost	1,004,228	132,829	2,892	1,957	-18,465	119,213	1,123,441
18	At market value	1,784,494	132,829	217,373	12,837	-7,005	356,034	2,140,528
19	Foreign securities	1,739,400	102,817	98,777	27,962		229,556	1,968,956
20	Bonds	538,400	25,064	18,441	-20,079		23,426	561,826
21	Corporate stocks	1,201,000	77,753	80,336	48,041		206,130	1,407,130
22	U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	562,396	25,041		5,610	3,175	33,826	596,222
23	U.S. claims reported by U.S. banks, not included elsewhere	985,806	24,918		3,156	9	28,083	1,013,889
	Foreign-owned assets in the United States:							
24	With direct investment at current cost (lines 26+33)	5,476,834	502,637	268,626	-1,676	-76,357	693,230	6,170,064
25	With direct investment at market value (lines 26+34)	6,355,154	502,637	634,822	-1,698	-5,466	1,130,295	7,485,449
26	Foreign official assets in the United States	835,709	-21,684	22,437		-409	344	836,053
27	U.S. Government securities	614,530	-3,625	9,344			5,719	620,249
28	U.S. Treasury securities	589,792	-9,957	9,152			-805	588,987
29	Other	24,738	6,332	192			6,524	31,262
30	Other U.S. Government liabilities ⁷	21,459	-3,113				-3,113	18,346
31	U.S. liabilities reported by U.S. banks, not included elsewhere	135,384	-11,469				-11,469	123,915
32	Other foreign official assets	64,336	-3,477	13,093		-409	9,207	73,543
	Other foreign assets:							
33	With direct investment at current cost (lines 35+37+38+39+42+43)	4,641,125	524,321	246,189	-1,676	-75,948	692,886	5,334,011
34	With direct investment at market value (lines 36+37+38+39+42+43)	5,519,445	524,321	612,385	-1,698	-5,057	1,129,951	6,649,396
	Direct investment in the United States:							
35	At current cost	764,045	193,375	-3,877	22	-74,848	114,672	878,717
36	At market value	1,642,365	193,375	362,319		-3,957	551,737	2,194,102
37	U.S. Treasury securities	662,228	46,155	18,961			65,116	727,344
38	U.S. currency	211,628	16,622				16,622	228,250
39	U.S. securities other than U.S. Treasury securities	1,578,694	218,026	231,105	-6,005		443,126	2,021,820
40	Corporate and other bonds	715,196	170,539	21,019	-6,005		185,553	900,749
41	Corporate stocks	863,498	47,487	210,086			257,573	1,121,071
42	U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	453,555	9,412		-1,080	-1,100	7,232	460,787
43	U							

^a Preliminary.^r Revised.

1. Represents gains or losses on foreign-currency-denominated assets due to their revaluation at current exchange rates.

2. Includes changes in coverage, statistical discrepancies, and other adjustments to the value of assets.

3. Reflects changes in the value of the official gold stock due to fluctuations in the market price of gold.

4. Reflects changes in gold stock from U.S. Treasury sales of gold medallions and commemorative and bullion coins; also reflects replenishment through open market purchases. These demonetizations/monetizations are not included in international transactions capital flows.

5. Also includes paid-in capital subscriptions to international financial institutions and outstanding amounts of miscellaneous claims that have been settled through international agreements to be payable to the U.S. Government over periods in excess of 1 year. Excludes World War I debts that are not being serviced.

6. Includes indebtedness that the borrower may contractually, or at its option, repay with its currency, with a third country's currency, or by delivery of materials or transfer of services.

7. Primarily U.S. Government liabilities associated with military sales contracts and other transactions arranged with or through foreign official agencies.

NOTE.—The data in this table are from table 1 in "International Investment Position of the United States at Yearend 1998" in the July 1999 issue of the SURVEY OF CURRENT BUSINESS.

Table G.2.—U.S. Direct Investment Abroad: Selected Items, by Country and by Industry of Foreign Affiliate, 1996–98

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital outflows (inflows (-))			Income		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
All countries, all industries	795,195	865,531	980,565	84,426	99,517	121,644	93,594	103,892	90,242
By country									
Canada	89,592	96,031	103,908	7,181	7,493	10,259	9,258	10,548	8,104
Europe	389,378	420,108	489,539	40,148	51,698	74,538	44,286	48,757	49,308
Of which:									
France	35,200	35,800	39,188	4,463	2,543	2,895	3,224	2,575	2,450
Germany	41,281	38,490	42,853	1,956	1,627	2,025	3,797	3,339	4,787
Netherlands	54,118	64,361	79,386	6,308	14,327	14,996	9,632	12,370	12,594
United Kingdom	134,559	153,108	178,648	16,421	22,411	34,428	12,220	13,126	11,582
Latin America and Other Western Hemisphere	155,925	178,505	196,655	18,138	21,966	18,020	17,762	21,408	16,908
Of which:									
Brazil	29,105	35,091	37,802	4,159	6,514	3,790	4,172	4,675	3,037
Mexico	19,351	24,181	25,877	2,405	5,646	2,533	2,721	3,905	3,177
Africa	8,162	11,157	13,491	1,678	3,371	2,712	1,801	1,954	1,719
Middle East	8,294	8,803	10,599	467	601	2,062	1,412	1,328	757
Asia and Pacific	139,548	146,610	161,797	15,363	13,693	13,471	18,795	19,513	12,623
Of which:									
Australia	30,006	29,910	33,676	3,787	2,393	3,659	2,851	3,598	1,898
Japan	34,578	33,725	38,153	-280	-371	3,844	3,475	3,516	2,179
International	4,295	4,317	4,578	1,451	694	582	278	383	823
By industry									
Petroleum	75,232	82,212	91,113	6,239	9,603	9,780	12,082	11,823	8,059
Manufacturing	270,288	280,332	304,690	24,325	28,097	26,680	34,342	38,283	31,416
Food and kindred products	31,024	32,465	33,871	2,095	3,806	1,670	4,452	4,910	4,262
Chemicals and allied products	74,858	77,112	83,589	5,796	7,210	7,072	9,529	10,050	9,930
Primary and fabricated metals	16,309	15,924	17,098	6,064	444	1,109	1,358	1,406	1,278
Industrial machinery and equipment	30,336	32,293	34,755	2,752	4,381	2,810	4,637	5,669	4,213
Electronic and other electric equipment	31,832	31,624	34,531	3,440	2,992	2,670	4,280	4,700	2,763
Transportation equipment	32,092	34,907	35,615	708	4,419	1,692	3,409	5,048	2,385
Other manufacturing	53,837	56,006	65,231	3,470	4,845	9,658	6,677	6,500	6,586
Wholesale trade	67,125	64,432	75,188	6,498	846	9,130	9,068	9,538	10,794
Depository institutions	36,807	40,169	42,029	2,448	3,036	1,253	3,329	3,374	577
Finance, (except depository institutions), insurance, and real estate	254,739	293,116	337,600	31,601	41,388	44,445	28,938	31,912	30,702
Services	37,850	42,342	52,514	3,511	4,557	10,867	3,627	5,533	4,722
Other industries	53,155	62,925	77,432	9,804	11,990	19,490	2,209	3,429	3,972

NOTES.—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, 1998" in the September 1999 issue of the SURVEY.

Table G.3.—Selected Financial and Operating Data for Nonbank Foreign Affiliates of U.S. Companies, by Country and by Industry of Foreign Affiliate, 1997

	Number of affiliates	Millions of dollars			Thousands of employees
		Total assets	Sales	Net income	
All countries, all industries	22,871	3,397,262	2,356,416	155,267	8,018.0
By country					
Canada	2,073	294,943	274,205	13,654	941.9
Europe	11,209	1,914,373	1,214,194	77,854	3,333.9
<i>Of which:</i>					
France	1,297	144,057	130,883	3,424	483.7
Germany	1,424	213,029	234,508	7,531	627.4
Italy	783	66,091	74,035	2,311	205.5
Netherlands	1,104	179,751	130,053	17,014	169.4
Switzerland	545	93,348	67,620	9,155	L
United Kingdom	2,532	923,207	337,907	18,020	977.2
Latin America and Other Western Hemisphere	3,583	458,889	268,912	30,849	1,629.2
<i>Of which:</i>					
Brazil	461	79,240	67,380	4,934	340.8
Mexico	874	83,500	88,063	8,488	793.0
Africa	559	40,602	29,150	2,653	186.6
Middle East	355	39,411	24,950	2,603	77.4
Asia and Pacific	4,977	628,118	536,462	26,231	1,835.8
<i>Of which:</i>					
Australia	904	96,250	68,519	3,899	304.2
Japan	990	266,028	205,072	5,925	396.7
International	115	20,926	8,545	1,422	13.2
By industry					
Petroleum	1,622	295,313	360,452	19,778	226.1
Manufacturing	8,528	884,113	1,086,129	61,660	4,592.9
Food and kindred products	789	112,875	127,710	8,810	598.0
Chemicals and allied products	2,065	220,923	207,988	17,900	622.4
Primary and fabricated metals	760	47,209	44,679	2,043	244.7
Industrial machinery and equipment	1,090	123,273	178,257	9,033	634.1
Electronic and other electric equipment	908	84,525	110,625	6,905	774.5
Transportation equipment	530	131,550	244,199	6,198	724.2
Other manufacturing	2,386	163,757	172,671	10,772	995.0
Wholesale trade	5,045	223,451	422,285	15,218	588.0
Finance, (except depository institutions), insurance, and real estate	3,115	1,498,127	135,331	42,922	218.8
Services	2,873	154,234	128,639	6,843	988.9
Other industries	1,688	342,025	223,580	8,846	1,403.3

NOTES.—Size ranges are given in employment cells that are suppressed. The size range is L—50,000–99,999.

The data in this table are from "U.S. Multinational Companies: Operations in 1997" in the July 1999 issue of the SURVEY.

Table G.4.—Foreign Direct Investment in the United States: Selected Items, by Country of Foreign Parent and by Industry of Affiliate, 1996–98

[Millions of dollars]

	Direct investment position on a historical-cost basis			Capital inflows (outflows (–))			Income		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
All countries, all industries	598,021	693,207	811,756	84,455	105,488	188,960	30,407	42,115	38,015
By country									
Canada	54,836	69,866	74,840	8,590	15,399	11,859	3,190	3,361	3,010
Europe	370,843	432,622	539,906	55,989	70,508	167,655	23,724	31,380	27,635
Of which:									
France	43,253	49,503	62,167	7,244	10,993	12,308	2,405	3,183	3,137
Germany	61,096	71,289	95,045	19,616	12,919	42,145	2,509	3,294	4,392
Netherlands	75,349	89,570	96,904	12,262	13,658	7,018	5,271	7,103	5,920
United Kingdom	121,582	131,315	151,335	14,404	11,234	69,968	10,374	11,440	7,815
Latin America and Other Western Hemisphere	28,002	33,546	32,210	1,990	3,993	278	1,383	1,752	1,494
Of which:									
Brazil	697	742	609	–64	64	–132	45	44	82
Mexico	1,641	3,315	4,029	–47	330	864	1	171	270
Africa	994	1,465	884	–101	435	–572	–136	–352	–89
Middle East	5,812	6,593	7,831	496	791	967	118	617	475
Asia and Pacific	137,533	149,115	156,085	17,493	14,361	8,773	2,129	5,356	5,489
Of which:									
Australia	14,968	14,703	14,755	5,321	2,254	2,034	492	214	672
Japan	116,144	125,131	132,569	13,337	9,275	7,101	2,939	5,780	5,187
By industry									
Petroleum	43,483	42,085	53,254	8,852	2,805	57,355	4,160	4,555	1,443
Manufacturing	245,662	273,122	329,346	37,538	36,086	87,454	15,694	18,628	20,696
Food and kindred products	28,088	26,710	18,112	1,981	–903	–5,020	1,819	1,532	1,056
Chemicals and allied products	79,515	88,831	101,351	8,081	13,746	10,325	5,014	5,556	6,190
Primary and fabricated metals	18,576	23,366	22,512	5,397	4,258	1,041	1,024	1,572	1,744
Machinery	39,093	46,636	59,260	2,868	7,573	18,475	1,166	2,805	2,718
Other manufacturing	80,390	87,580	128,112	19,211	11,411	62,632	6,671	7,162	8,988
Wholesale trade	73,506	87,630	96,261	7,974	14,729	11,004	2,256	3,972	5,247
Retail trade	13,765	16,718	18,778	2,708	2,622	1,946	509	487	579
Depository institutions	31,264	38,118	44,785	138	6,800	5,684	2,867	3,930	3,067
Finance, except depository institutions	37,531	43,413	50,858	6,186	7,140	5,812	855	1,979	–718
Insurance	56,124	70,492	80,378	6,747	12,097	6,817	2,382	4,681	4,019
Real estate	35,169	40,060	44,436	2,535	4,675	3,284	–59	789	948
Services	29,391	38,521	50,252	4,214	7,862	10,744	–14	916	1,358
Other industries	32,126	43,049	43,409	7,562	10,673	–1,139	1,757	2,178	1,376

NOTES.—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, 1998" in the September 1999 issue of the SURVEY.

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, 1997

	Number of affiliates	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
All countries, all industries	9,474	3,034,404	1,717,240	42,547	384,883	5,164.3	140,924	261,482
By country								
Canada	945	309,080	139,409	3,693	34,464	601.6	7,787	14,356
Europe	4,071	1,809,319	940,672	31,107	245,919	3,213.9	62,392	94,512
Of which:								
France	513	322,270	135,414	2,959	35,863	411.2	14,032	12,936
Germany	1,011	302,740	194,492	5,071	46,171	657.6	13,973	32,032
Netherlands	302	260,034	124,109	5,508	33,750	391.4	4,592	10,191
Switzerland	404	339,896	110,077	2,986	25,637	352.1	6,233	7,127
United Kingdom	929	454,081	258,845	12,119	78,550	983.2	14,543	15,363
Latin America and Other Western Hemisphere	632	59,833	53,469	2,522	13,545	168.1	5,308	9,622
Africa	41	11,969	11,222	326	2,843	22.4	855	634
Middle East	307	28,841	25,246	1,151	7,295	92.7	814	5,534
Asia and Pacific	3,373	687,245	523,479	918	73,667	1,012.6	62,709	135,739
Of which:								
Australia	135	55,514	26,132	-101	5,207	80.1	1,410	1,501
Japan	2,587	582,570	446,422	2,701	62,345	812.4	52,883	120,357
United States	105	128,117	23,742	2,829	7,151	52.9	1,058	1,084
By industry ¹								
Manufacturing	2,846	680,260	667,576	18,826	188,477	2,227.0	70,053	99,304
Of which:								
Food	214	43,894	47,082	183	10,953	152.7	2,620	2,675
Chemicals	339	190,326	141,744	4,280	40,906	389.4	15,259	16,019
Primary and fabricated metals	373	67,516	65,075	1,744	16,510	219.4	5,133	8,329
Machinery	359	47,246	56,680	1,390	16,607	260.8	10,357	8,267
Computers and electronic products	333	53,182	73,413	-257	15,658	239.6	13,092	20,612
Electrical equipment, appliances, and components	104	22,574	26,203	631	7,537	129.5	3,430	3,421
Transportation equipment	260	49,211	72,607	2,060	13,554	207.9	7,631	18,203
Wholesale trade	1,708	293,144	530,141	3,889	51,856	538.5	63,231	155,716
Retail trade	210	49,802	96,624	1,197	25,009	688.7	1,951	3,973
Information	236	144,497	80,845	2,445	27,120	293.4	888	374
Finance (except depository institutions) and insurance	570	1,534,492	175,822	11,220	26,331	219.8	(^D)	(^D)
Real estate and rental and leasing	1,935	116,679	20,813	204	9,084	47.0	(^D)	(^D)
Professional, scientific, and technical services	301	17,299	15,972	-570	5,981	82.6	361	567
Other industries	1,668	198,229	129,448	5,337	51,025	1,067.3	4,332	1,255

^D Suppressed to avoid disclosure of data of individual companies.

1. The industry classification system used to classify the data for U.S. affiliates is based on the North American Industry Classification System. Prior to 1997, the affiliate data were classified

using an industry classification system based on the Standard Industrial Classification system.

NOTE.—The data in this table are from "Foreign Direct Investment in the United States: Preliminary Results from the 1997 Benchmark Survey" in the August 1999 issue of the SURVEY.

H. International Perspectives

Quarterly data in this table are shown in the middle month of the quarter.

Table H.1.—International Perspectives

	1997	1998	1998				1999									
			Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
	Exchange rates per U.S. dollar (not seasonally adjusted) ¹															
Canada (Can.\$/US\$)	1.3849	1.4836	1.5218	1.5452	1.5404	1.5433	1.5194	1.4977	1.5176	1.4881	1.4611	1.4695	1.4890	1.4932	1.4771	1.4776
European Monetary Union (US\$/Euro) ²							1.1591	1.1203	1.0886	1.0701	1.0630	1.0377	1.0370	1.0605	1.0497	1.0706
France (FFr/US\$) ²	5.8393	5.8995	5.6969	5.4925	5.6422	5.5981										
Germany (DM/US\$) ²	1.7348	1.7597	1.6990	1.6381	1.6827	1.6698										
Italy (L/US\$) ²	17.0381	17.3685	16.7892	16.2096	16.6491	16.5323										
Japan (¥/US\$)	1.2106	1.3099	1.3448	1.2105	1.2029	1.1707	1.1329	1.1667	1.1947	1.1977	1.2200	1.2072	1.1933	1.1323	1.0688	1.0597
Mexico (Peso/US\$)	7.9177	9.1520	10.2192	10.1594	9.9680	9.9070	10.1280	10.0060	9.7320	9.4300	9.3950	9.5150	9.3700	9.3980	9.3410	9.5750
United Kingdom (US\$/£)	1.6376	1.6573	1.6823	1.6944	1.6611	1.6708	1.6498	1.6276	1.6213	1.6089	1.6154	1.5950	1.5751	1.6058	1.6247	1.6572
Addendum: Exchange value of the U.S. dollar ² ..	104.44	116.48	119.02	115.85	115.73	114.98	115.16	116.84	118.22	117.57	117.34	117.93	117.97	117.00	116.38	115.88
	Unemployment rates (percent, monthly data seasonally adjusted)															
Canada	9.2	8.3	8.3	8.0	8.0	8.0	7.8	7.8	7.8	8.3	8.1	7.6	7.7	7.8	7.5	7.2
France	12.5	11.8	11.8	11.7	11.6	11.5	11.5	11.4	11.4	11.3	11.4	11.3	11.2	11.3	11.1	11.0
Germany	11.5	11.1	10.7	10.6	10.7	10.7	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.5	10.5
Italy	12.3	12.3			12.4			12.3			11.8					
Japan	3.4	4.1	4.3	4.3	4.4	4.4	4.4	4.6	4.8	4.8	4.6	4.9	4.9	4.7	4.6	4.6
Mexico	3.7	3.2	3.3	3.1	2.6	2.6	2.8	3.2	2.7	2.7	2.4	2.6	2.3	2.5	2.2	2.4
United Kingdom	5.5	4.7	4.6	4.6	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.3	4.2	4.2	4.2
Addendum: United States	4.9	4.5	4.5	4.5	4.4	4.3	4.3	4.4	4.2	4.3	4.2	4.3	4.3	4.2	4.2	4.1
	Consumer prices (monthly data seasonally adjusted, 1995=100)															
Canada	103.22	104.25	104.21	104.60	104.60	104.31	104.50	104.69	105.08	105.65	105.94	106.04	106.33	106.61	106.90	
France	103.23	104.01	104.02	104.02	103.91	104.02	103.70	104.02	104.43	104.64	104.64	104.64	104.43	104.54	104.74	
Germany	103.34	104.30	104.41	104.21	104.21	104.31	104.11	104.31	104.41	104.81	104.81	104.91	105.41	105.31	105.11	
Italy	106.13	108.22	108.40	108.60	108.80	108.80	108.90	109.10	109.30	109.60	109.80	109.80	110.10	110.20	110.40	
Japan	101.84	102.50	102.59	103.29	103.19	102.79	102.29	101.89	101.99	102.49	102.49	102.19	101.79	102.09	102.39	
Mexico	162.09	187.91	192.66	195.42	198.88	203.73	208.88	211.68	213.65	215.61	216.91	218.33	219.78	221.01	223.15	
United Kingdom	105.66	109.27	110.29	110.36	110.29	110.29	109.62	109.82	110.09	110.83	111.10	111.10	110.76	111.03	111.50	
Addendum: United States	105.34	106.9														

See footnotes at the end of the table.

Table H.1.—International Perspectives—Continued

			1998				1999									
	1997	1998	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Short-term, 3-month, interest rates (percent, not seasonally adjusted)																
Canada	3.53	5.04	5.59	5.27	5.13	4.99	4.99	5.02	5.00	4.71	4.58	4.80	4.77	4.89	4.81	5.00
France	3.46	3.56	3.54	3.56	3.59	3.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Germany	3.33	3.54	3.49	3.57	3.63	3.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Italy	6.88	4.99	4.97	4.53	3.95	3.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Japan .....	.60	.72	.55	.61	.63	.62	.69	.58	.20	.19	.08	.07	.08	.07	.12	.....
Mexico	21.27	26.11	41.03	37.49	34.30	34.35	32.27	28.72	23.86	21.05	21.02	21.35	20.78	21.49	21.34	20.30
United Kingdom	6.83	7.33	7.37	7.13	6.88	6.37	5.79	5.42	5.29	5.23	5.25	5.12	5.07	5.17	5.32	5.94
Addendum:																
United States	5.07	4.81	4.74	4.08	4.44	4.42	4.34	4.45	4.48	4.28	4.51	4.59	4.60	4.76	4.73	4.88
Long-term interest rates, government bond yields (percent, not seasonally adjusted)																
Canada	6.47	5.45	5.39	5.17	5.39	5.07	5.13	5.26	5.34	5.28	5.51	5.70	5.61	5.85	5.88	6.26
France	5.67	4.82	4.39	4.51	4.43	4.41	4.13	4.42	4.39	4.25	4.45	4.94	5.08	5.17	5.35	5.67
Germany	5.66	4.58	4.10	4.10	4.10	3.90	3.70	3.90	4.00	3.90	4.00	4.40	4.68	4.88	5.04	.....
Italy	6.86	4.88	4.53	4.49	4.38	4.00	3.92	4.05	4.27	4.11	4.28	4.62	4.94	5.13	5.28	5.52
Japan	2.37	1.54	1.10	.88	.98	1.49	1.91	2.12	1.82	1.56	1.33	1.63	1.70	1.88	1.76	.....
United Kingdom	7.04	5.52	5.12	5.00	4.91	4.50	4.29	4.45	4.66	4.59	4.91	5.16	5.33	5.38	5.65	5.83
Addendum:																
United States	6.35	5.26	4.81	4.53	4.83	4.65	4.72	5.00	5.23	5.18	5.54	5.90	5.79	5.94	5.92	6.11
Share price indices (not seasonally adjusted, 1995=100)																
Canada	145.70	152.40	126.60	140.00	143.10	146.30	151.80	142.40	148.80	158.20	154.30	158.10	159.70	157.20	156.90	.....
France	147.01	192.24	183.34	171.01	190.90	193.39	210.44	210.06	211.54	220.92	225.11	230.17	236.08	231.73	242.28	.....
Germany	154.73	197.73	186.52	171.38	188.86	186.88	199.85	195.26	191.41	200.13	200.70	202.32	209.77	200.77	203.21	.....
Italy	137.74	220.53	199.94	188.79	213.89	224.00	241.37	236.94	248.62	251.95	247.42	247.42	248.11	234.24	242.54	.....
Japan	101.03	85.36	78.62	74.15	80.59	80.25	78.31	79.78	87.18	96.31	96.25	99.81	106.74	106.15	108.33	.....
Mexico	200.17	191.09	160.85	183.61	169.86	178.41	178.34	191.98	222.15	243.96	246.81	262.67	237.02	229.20	227.56	.....
United Kingdom	128.26	150.50	140.42	136.64	148.92	150.07	157.29	159.40	162.89	169.18	168.18	171.00	173.50	168.92	166.66	.....
Addendum:																
United States	156.81	189.00	173.98	175.68	193.80	197.85	204.51	202.20	207.35	215.61	218.31	216.22	222.85	213.30	208.78	.....

1. All exchange rates are from the Board of Governors of the Federal Reserve System.

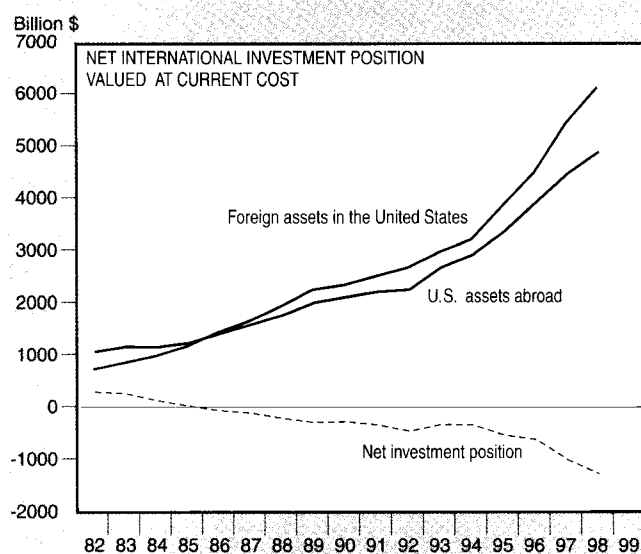
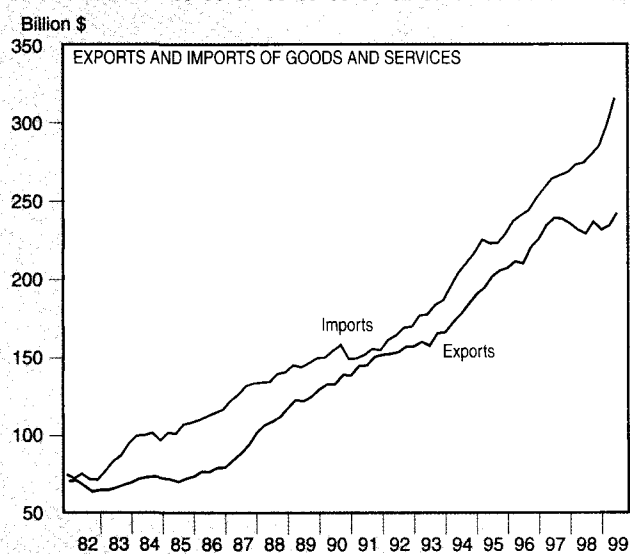
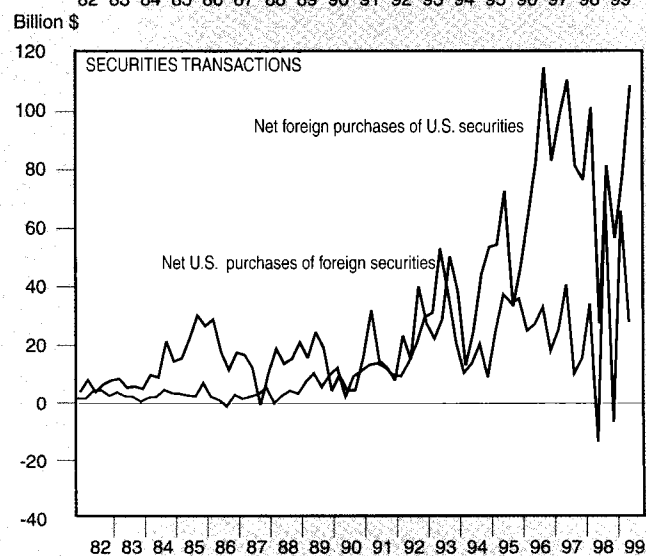
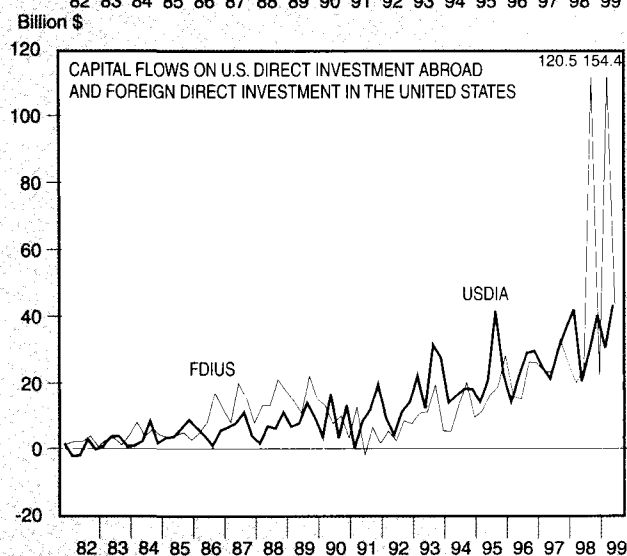
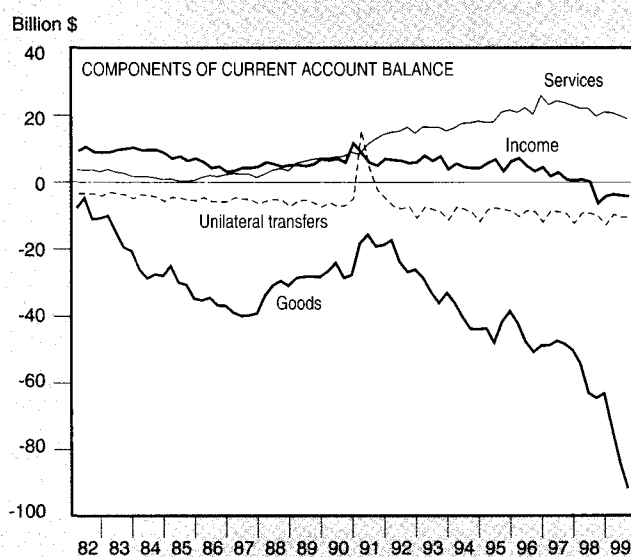
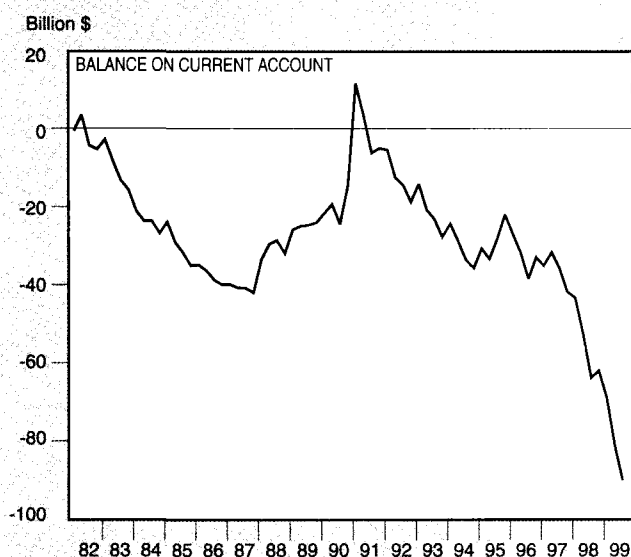
2. As of January 1, 1999, the euro is reported in place of the individual euro-area currencies. These currency rates can be derived from the euro rate by using the following conversion rates: 1 euro = 6.55957 French francs, 1.93626 German marks, and 1936.27 Italian lire. The revised rate shown for the United States is an index of the weighted average of the foreign exchange value of the U.S. dollar against the currencies of a broad group of major U.S. trading partners, January 1997=100 and reflects revised trade weights. For more information on the exchange

rate indexes, see "New Summary Measures of the Foreign Exchange Value of the Dollar," *Federal Reserve Bulletin*, vol. 84 (October 1998), pp. 811-18.

NOTE.—U.S. interest rates, unemployment rates, and GDP growth rates are from the Federal Reserve, the Bureau of Labor Statistics, and BEA, respectively. All other data (including U.S. consumer prices and U.S. share prices, both of which have been revised to 1995 to facilitate comparison) are © OECD, December 1999, *OECD Main Economic Indicators* and are reproduced with permission of the OECD.

I. Charts

THE U.S. IN THE INTERNATIONAL ECONOMY



U.S. Department of Commerce, 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 State personal income estimates and the gross state product estimates are available on diskettes or CD-ROM. For information on State personal income, E-mail reis.remnd@bea.doc.gov; write to the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call 202-606-5360. For information on gross state product, E-mail gspread@bea.doc.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.—Quarterly Personal Income by State and Region

Area name	Millions of dollars, seasonally adjusted at annual rates												Percent change ¹					
	1996				1997				1998				1999					
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	1998:II-1998:III	1998:III-1998:IV	1998:IV-1999:I	1999:I-1999:II
United States ...	6,267,885	6,371,958	6,458,511	6,534,057	6,650,207	6,726,629	6,807,506	6,899,259	7,016,041	7,108,060	7,199,440	7,309,162	7,400,251	7,492,844	1.3	1.5	1.2	1.3
New England	375,964	382,128	387,175	392,892	399,830	403,744	408,242	415,615	419,963	426,088	433,011	440,347	442,637	448,476	1.6	1.7	.5	1.3
Connecticut	108,427	110,288	111,745	113,155	115,126	116,357	117,455	119,755	121,057	122,052	123,950	126,664	126,782	128,463	1.8	2.2	.1	1.3
Maine	25,372	25,736	26,119	26,510	26,877	27,112	27,267	27,715	27,885	28,406	28,936	29,271	29,253	29,590	1.9	1.2	.1	1.2
Massachusetts	175,689	178,781	181,199	184,323	187,831	189,367	191,863	194,969	197,207	200,905	204,031	206,866	209,012	211,825	1.6	1.4	1.0	1.3
New Hampshire	30,048	30,420	30,824	31,241	31,755	32,233	32,759	33,436	33,846	34,124	34,937	35,796	35,631	36,135	2.4	2.5	-.5	1.4
Rhode Island	23,637	23,964	24,186	24,501	24,886	25,223	25,372	25,877	26,152	26,370	26,762	27,172	27,338	27,681	1.5	1.5	.6	1.3
Vermont	12,793	12,939	13,123	13,163	13,354	13,452	13,524	13,864	14,037	14,230	14,394	14,578	14,621	14,781	1.2	1.3	.3	1.1
Mideast	1,221,939	1,239,455	1,252,383	1,267,238	1,287,567	1,293,436	1,309,439	1,325,328	1,345,232	1,364,051	1,380,603	1,389,923	1,420,597	1,434,290	1.2	.7	2.2	1.0
Delaware	19,197	19,511	19,851	20,333	20,631	20,639	21,094	21,422	21,892	22,118	22,225	22,796	23,083	23,476	.5	2.6	1.3	1.7
District of Columbia	18,335	18,239	18,523	18,754	18,760	18,805	19,028	19,085	19,191	19,408	19,687	19,817	20,076	20,251	1.4	.7	1.3	.9
Maryland	135,394	137,126	138,985	140,786	143,770	145,016	146,589	148,983	150,778	153,116	155,299	157,484	159,823	161,819	1.4	1.4	1.5	1.1
New Jersey	242,314	246,523	248,881	251,807	257,066	258,617	261,795	265,466	270,299	273,177	278,572	280,078	285,782	289,211	2.0	.5	2.0	1.2
New York	518,146	524,129	528,376	534,908	543,350	543,675	551,780	558,901	565,842	575,201	581,019	581,208	600,393	604,333	1.0	0	3.3	.7
Pennsylvania	288,553	293,927	297,787	300,651	303,989	306,686	309,153	313,471	317,430	321,031	323,801	328,561	331,440	335,400	.9	1.5	.9	1.2
Great Lakes	1,033,181	1,049,582	1,063,248	1,072,178	1,089,113	1,102,312	1,112,380	1,126,771	1,143,432	1,155,114	1,163,136	1,185,908	1,193,846	1,210,824	.7	2.0	.7	1.4
Illinois	309,028	313,062	317,189	320,562	325,749	330,416	333,657	338,040	342,467	346,668	350,023	356,961	361,604	367,511	1.1	1.9	.7	1.5
Indiana	128,763	128,944	130,774	131,798	133,919	135,408	136,348	138,619	140,635	142,285	143,902	146,627	147,604	149,775	1.1	1.9	.7	1.5
Michigan	228,900	233,068	235,053	237,261	240,467	243,025	245,370	247,430	253,117	254,683	253,375	258,980	259,385	262,828	-.5	2.2	.2	1.3
Ohio	252,328	256,354	260,082	261,262	266,151	269,084	271,385	275,181	278,827	280,966	283,518	288,569	290,937	295,234	.9	1.8	.8	1.5
Wisconsin	116,163	118,155	120,149	121,295	122,827	124,778	125,820	127,501	128,587	130,512	132,318	134,771	134,317	135,475	1.4	1.9	-.3	.9
Plains	416,306	423,462	429,580	433,543	438,635	444,771	449,351	454,161	460,014	466,078	470,605	482,185	484,034	491,412	1.0	2.5	.4	1.5
Iowa	61,472	62,498	63,462	63,605	64,874	65,808	66,185	67,105	67,104	67,830	68,745	71,199	70,821	71,949	1.3	3.8	-.8	1.9
Kansas	57,549	58,248	59,124	59,836	61,007	62,081	62,782	63,581	64,435	65,385	65,973	67,825	67,972	69,334	.9	2.5	.5	2.0
Minnesota	114,468	116,728	118,543	119,432	120,365	122,372	123,889	125,434	126,013	129,951	130,696	134,286	135,144	137,024	.6	2.7	.6	1.4
Missouri	118,789	120,593	122,068	123,618	126,067	127,093	128,381	129,637	130,680	132,228	133,834	135,080	136,373	138,315	1.2	.9	1.2	1.2
Nebraska	36,673	37,445	37,902	38,590	38,487	39,037	39,412	39,804	40,140	40,820	41,349	42,538	42,425	43,344	1.3	2.9	.4	2.2
North Dakota	12,863	12,922	13,200	13,146	12,646	12,838	12,986	13,072	13,623	13,680	13,758	14,358	14,216	14,335	.6	4.4	-.1	.8
South Dakota	14,691	15,038	15,261	15,314	15,190	15,541	15,736	15,729	16,019	16,185	16,250	17,099	16,918	17,110	.4	5.2	-.1	1.1
Southeast	1,367,907	1,393,553	1,415,101	1,429,465	1,458,318	1,472,319	1,488,852	1,509,533	1,535,161	1,557,124	1,580,149	1,601,518	1,616,289	1,634,205	1.5	1.4	.9	1.1
Alabama	83,232	84,745	85,973	86,565	88,240	88,927	89,599	90,626	91,987	92,976	94,041	95,285	96,519	97,798	1.1	1.3	.6	.8
Arkansas	45,801	47,079	47,667	48,918	49,531	49,268	49,620	50,308	50,874	51,403	51,790	52,894	53,158	53,734	.8	2.3	.3	1.1
Florida	335,919	341,341	346,885	351,079	357,468	361,282	366,450	370,723	377,760	383,881	389,957	395,019	395,654	401,105	1.6	1.3	.2	1.4
Georgia	162,657	167,047	170,153	171,965	175,822	177,615	179,751	182,310	186,808	189,951	193,919	196,882	201,001	203,878	1.2	1.5	2.1	1.4
Kentucky	73,726	75,116	76,480	77,127	79,067	80,058	80,819	81,777	82,283	84,440	85,430	86,183	86,995	87,789	1.2	.9	.9	.9
Louisiana	83,501	84,805	85,722	86,371	87,638	88,570	89,247	90,811	91,958	93,324	93,822	94,605	94,739	95,947	.5	.8	.1	1.3
Mississippi	46,148	47,018	47,864	47,770	48,597	49,213	49,609	50,330	51,250	51,828	52,680	53,374	53,499	53,911	1.6	1.3	.2	.8
North Carolina	158,451	160,466	162,860	164,941	169,449	171,121	172,593	175,453	178,542	180,852	183,188	185,561	187,015	188,290	1.3	1.3	.8	.7
South Carolina	71,885	73,021	74,197	74,858	76,523	77,139	78,010	79,071	79,995	81,170	82,960	84,033	84,488	85,616	2.2	1.3	.5	1.3
Tennessee	113,232	114,972	116,688	117,838	120,173	120,999	122,280	124,284	126,883	127,546	129,172	130,676	131,846	133,405	1.3	1.2	.9	1.2
Virginia	163,021	165,170	167,591	169,623	173,146	174,227	176,798	179,473	182,445	184,931	187,900	191,467	196,540	198,419	1.6	1.9	2.6	1.0
West Virginia	32,496	32,776	33,220	33,411	33,649	33,9												

Table J.2.—Annual Personal Income and Disposable Personal Income for States and Regions

Area name	Personal income					Disposable personal income				
	Millions of dollars			Percent change		Millions of dollars			Percent change	
	1996	1997	1998	1996-97	1997-98	1996	1997	1998	1996-97	1997-98
United States	6,408,103	6,770,650	7,158,176	5.7	5.7	5,518,569	5,782,712	6,061,088	4.8	4.8
New England	384,540	406,858	429,852	5.8	5.7	323,239	338,425	353,824	4.7	4.6
Connecticut	110,904	117,173	123,431	5.7	5.3	91,503	95,453	99,259	4.3	4.0
Maine	25,834	27,243	28,620	5.0	5.1	22,772	23,671	24,650	3.9	4.1
Massachusetts	179,988	191,008	202,252	6.1	5.9	149,777	157,389	164,889	5.1	4.8
New Hampshire	30,633	32,546	34,626	6.2	6.4	26,831	28,254	29,849	5.3	5.6
Rhode Island	24,067	25,340	26,614	5.3	5.0	21,022	21,942	22,878	4.4	4.3
Vermont	13,004	13,549	14,309	4.2	5.6	11,333	11,717	12,299	3.4	5.0
Mideast	1,245,254	1,303,943	1,369,952	4.7	5.1	1,057,756	1,096,946	1,140,195	3.7	3.9
Delaware	19,723	20,946	22,258	6.2	6.3	16,796	17,699	18,647	5.4	5.4
District of Columbia	18,463	18,819	19,526	2.5	3.2	15,623	15,851	16,100	1.5	1.6
Maryland	138,068	146,090	154,164	5.8	5.5	117,094	122,434	128,282	4.6	4.8
New Jersey	247,381	260,736	275,531	5.4	5.7	210,191	219,885	229,892	4.6	4.6
New York	526,390	548,927	575,768	4.3	4.9	442,273	456,565	472,647	3.2	3.5
Pennsylvania	295,230	308,325	322,706	4.4	4.7	255,779	264,511	274,626	3.4	3.8
Great Lakes	1,054,547	1,107,644	1,161,898	5.0	4.9	902,103	939,326	977,559	4.1	4.1
Illinois	314,960	331,966	349,029	5.4	5.1	268,434	280,280	292,419	4.4	4.3
Indiana	129,570	136,073	143,362	5.0	5.4	111,856	116,414	121,876	4.3	4.7
Michigan	233,571	244,073	255,039	4.5	4.5	199,607	206,608	214,329	3.5	3.7
Ohio	257,506	270,450	282,920	5.0	4.6	221,394	230,780	239,089	4.2	3.6
Wisconsin	118,940	125,081	131,547	5.2	5.2	101,011	105,244	109,846	4.2	4.4
Plains	425,718	446,730	469,721	4.9	5.1	367,001	381,713	398,925	4.0	4.5
Iowa	62,759	65,993	68,720	5.2	4.1	54,824	57,253	59,222	4.4	3.4
Kansas	58,680	62,363	65,854	6.3	5.6	50,703	53,488	56,057	5.5	4.8
Minnesota	117,293	123,010	130,737	4.9	6.3	97,774	101,488	107,358	3.8	5.8
Missouri	121,265	127,795	132,955	5.4	4.0	105,329	110,307	113,948	4.5	3.3
Nebraska	37,652	39,135	41,212	3.9	5.3	32,903	33,827	35,446	2.8	4.8
North Dakota	12,983	12,885	13,855	-8	7.5	11,620	11,389	12,230	-2.0	7.4
South Dakota	15,076	15,549	16,388	3.1	5.4	13,649	13,982	14,665	2.4	4.9
Southeast	1,401,506	1,482,256	1,568,488	5.8	5.8	1,225,384	1,286,377	1,350,596	5.0	5.0
Alabama	95,128	99,348	103,567	4.5	4.7	75,473	78,809	82,148	4.4	4.2
Arkansas	47,116	49,442	51,763	4.9	4.7	41,791	43,686	45,394	4.5	3.9
Florida	343,806	363,980	386,654	5.9	6.2	298,933	313,790	330,157	5.0	5.2
Georgia	167,956	178,875	191,865	6.5	7.3	145,199	153,506	163,232	5.7	6.3
Kentucky	75,612	80,435	84,834	6.4	5.5	65,938	69,749	73,168	5.8	4.9
Louisiana	95,099	99,067	103,430	4.7	4.9	78,061	79,903	82,179	3.7	4.2
Mississippi	47,150	49,437	52,283	4.9	5.8	42,827	44,697	47,078	4.4	5.3
North Carolina	161,179	172,154	182,036	6.8	5.7	139,842	148,266	155,290	6.0	4.7
South Carolina	73,435	77,686	82,039	5.8	5.6	64,545	67,858	71,340	5.1	5.1
Tennessee	115,897	121,934	128,244	5.4	5.2	102,991	107,789	112,856	4.7	4.5
Virginia	166,351	175,911	186,686	5.7	6.1	142,308	149,103	156,916	4.8	5.2
West Virginia	32,976	33,988	35,087	3.1	3.2	29,476	30,222	31,026	2.5	2.7
Southwest	614,265	660,458	707,853	7.5	7.2	543,363	581,106	618,773	6.9	6.5
Arizona	93,391	100,160	108,087	7.2	7.9	81,041	86,119	92,333	6.3	7.2
New Mexico	31,826	33,269	34,753	4.5	4.5	28,249	29,307	30,524	3.7	4.2
Oklahoma	63,750	67,444	70,469	5.8	4.5	56,059	58,974	61,218	5.2	3.8
Texas	425,298	459,585	494,544	8.1	7.6	378,015	406,707	434,698	7.6	6.9
Rocky Mountain	186,887	199,598	213,643	6.8	7.0	160,565	170,034	180,610	5.9	6.2
Colorado	97,735	105,143	114,449	7.6	8.9	83,250	88,686	95,810	6.5	8.0
Idaho	23,418	24,651	25,901	5.3	5.1	20,420	21,347	22,275	4.5	4.3
Montana	16,546	17,276	17,827	4.4	3.2	14,546	15,064	15,434	3.6	2.5
Utah	38,856	41,681	44,297	7.3	6.3	33,433	35,657	37,627	6.7	5.5
Wyoming	10,333	10,847	11,169	5.0	3.0	8,915	9,281	9,483	4.1	2.0
Far West	1,095,386	1,163,164	1,236,770	6.2	6.3	939,159	988,785	1,040,616	5.3	5.2
Alaska	14,713	15,222	15,823	3.5	3.9	12,567	12,926	13,349	2.9	3.3
California	798,580	846,839	900,900	6.0	6.4	682,968	717,988	755,232	5.1	5.2
Hawaii	29,784	30,514	31,268	2.5	2.5	25,911	26,398	26,843	1.9	1.7
Nevada	41,412	44,510	47,795	7.5	7.4	35,342	37,654	40,107	6.5	6.5
Oregon	73,156	77,579	81,310	6.0	4.8	62,206	65,177	67,866	4.8	4.1
Washington	137,741	148,500	159,674	7.8	7.5	120,166	128,640	137,220	7.1	6.7

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the national income and product accounts (NIPA's) 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 defini-

tion, 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: Tables 1 and 2 in "State Personal Income, First Quarter 1999" in the August 1999 issue of the SURVEY.

Table J.3.—Per Capita Personal Income and Per Capita Disposable Personal Income for States and Regions

Area name	Per capita personal income ¹				Per capita disposable personal income ¹			
	Dollars			Rank in U.S.	Dollars			Rank in U.S.
	1996	1997	1998		1996	1997	1998	
United States	24,164	25,288	26,482		20,810	21,598	22,424	
New England	28,872	30,427	32,007		24,289	25,309	26,346	
Connecticut	33,979	35,883	37,700	1	28,035	29,215	30,317	1
Maine	20,948	21,937	23,002	36	18,394	19,061	19,811	35
Massachusetts	29,591	31,239	32,902	3	24,823	25,740	26,824	3
New Hampshire	26,418	27,786	29,219	7	23,140	24,104	25,188	5
Rhode Island	24,356	25,667	26,924	15	21,274	22,225	23,145	11
Vermont	22,179	23,017	24,217	30	19,328	19,905	20,815	28
Midwest	27,978	29,252	30,652		23,765	24,609	25,512	
Delaware	27,125	28,493	29,932	6	23,100	24,076	25,077	6
District of Columbia	34,213	35,704	37,325		28,950	29,914	30,776	
Maryland	27,298	28,674	30,023	5	23,151	24,031	24,983	7
New Jersey	30,892	32,356	33,953	2	26,248	27,286	28,329	2
New York	29,015	30,250	31,679	4	24,378	25,160	26,005	4
Pennsylvania	24,533	25,670	26,889	16	21,255	22,022	22,873	15
Great Lakes	24,055	25,158	26,290		20,578	21,335	22,119	
Illinois	26,393	27,688	28,976	8	22,494	23,377	24,277	8
Indiana	22,234	23,202	24,302	29	19,160	19,849	20,680	32
Michigan	23,996	24,956	25,979	18	20,507	21,126	21,832	20
Ohio	23,054	24,163	25,239	21	19,821	20,618	21,329	23
Wisconsin	22,987	24,048	25,184	22	19,521	20,235	21,029	26
Plains	23,039	24,034	25,126		19,861	20,536	21,339	
Iowa	22,032	23,120	24,007	32	19,246	20,058	20,689	30
Kansas	22,707	23,972	25,049	24	19,617	20,561	21,322	24
Minnesota	25,235	26,243	27,667	11	21,035	21,647	22,719	16
Missouri	22,586	23,629	24,447	28	19,656	20,395	20,952	27
Nebraska	22,847	23,618	24,786	26	19,965	20,415	21,318	25
North Dakota	20,197	20,103	21,708	38	18,077	17,768	19,162	38
South Dakota	20,450	21,076	22,201	37	18,513	18,952	19,866	34
Southeast	21,787	22,751	23,793		19,049	19,744	20,488	
Alabama	19,838	20,672	21,500	40	17,588	18,234	18,876	39
Arkansas	18,808	19,595	20,393	46	16,682	17,314	17,884	46
Florida	22,834	24,799	25,922	19	20,723	21,379	22,134	18
Georgia	23,900	23,882	25,106	23	19,798	20,495	21,359	22
Kentucky	19,475	20,570	21,551	39	16,983	17,837	18,587	42
Louisiana	19,609	20,458	21,385	42	17,526	18,123	18,810	40
Mississippi	17,398	18,098	18,998	50	15,803	16,363	17,107	50
North Carolina	22,053	23,168	24,122	31	19,134	19,953	20,578	33
South Carolina	19,651	20,508	21,387	41	17,272	17,913	18,598	41
Tennessee	21,800	22,699	23,615	33	19,406	20,066	20,745	29
Virginia	24,950	26,109	27,489	13	21,344	22,130	23,105	13
West Virginia	18,116	18,724	19,373	49	16,193	16,649	17,131	49
Southwest	21,577	22,787	23,985		19,086	20,049	20,967	
Arizona	21,071	21,998	23,152	35	18,284	18,914	19,777	36
New Mexico	18,634	19,298	20,008	48	16,540	17,000	17,574	47
Oklahoma	19,342	20,305	21,056	45	17,008	17,755	18,292	43
Texas	22,345	23,707	25,028	25	19,861	20,980	21,999	19
Rocky Mountain	22,304	23,414	24,668		19,163	19,946	20,854	
Colorado	25,627	27,015	28,821	9	21,829	22,787	24,128	9
Idaho	19,741	20,392	21,080	44	17,214	17,658	18,129	44
Montana	18,872	19,660	20,247	47	16,591	17,143	17,530	48
Utah	19,214	20,185	21,096	43	16,533	17,267	17,920	45
Wyoming	21,524	22,596	23,225	34	18,570	19,333	19,678	37
Far West	24,969	26,127	27,367		21,408	22,210	23,027	
Alaska	24,310	24,989	25,771	20	20,765	21,203	21,741	21
California	25,142	26,314	27,579	12	21,503	22,310	23,119	12
Hawaii	25,086	25,598	26,210	17	21,824	22,145	22,500	17
Nevada	25,877	26,514	27,360	14	22,084	22,431	22,959	14
Oregon	22,894	23,920	24,775	27	19,467	20,096	20,678	31
Washington	24,958	26,451	28,066	10	21,774	22,914	24,119	10

1. Per capita personal income and per capita disposable personal income were computed using midyear population estimates from the Bureau of the Census.

NOTE.—The personal income level shown for the United States is derived as the sum of the State estimates. It differs from the national income and product accounts (NIPA's) 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: Tables 1 and 2 in "State Personal Income, First Quarter 1999" in the August 1999 issue of the SURVEY.

Table J.4.—Gross State Product for States and Regions by Industry, 1997

(Millions of dollars)

State and region	Rank of total gross state product	Total gross state product	Agriculture, forestry, and fishing	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government
United States		8,103,234	131,745	120,515	328,806	1,378,869	676,313	562,755	712,890	1,570,308	1,656,849	964,184
New England		466,857	3,445	310	15,771	76,656	29,998	32,219	38,059	116,542	109,730	44,128
Connecticut	21	134,565	899	36	4,351	22,510	8,011	9,373	9,862	38,988	29,184	11,350
Maine	42	30,156	460	19	1,356	5,153	2,250	1,848	3,459	5,779	5,800	4,033
Massachusetts	11	221,009	1,284	156	7,161	32,394	13,924	16,133	17,510	53,708	58,449	20,291
New Hampshire	39	38,106	263	45	1,282	9,521	2,671	2,410	3,348	8,377	7,004	3,186
Rhode Island	44	27,806	210	15	959	4,347	1,911	1,537	2,385	6,941	6,092	3,410
Vermont	50	15,214	329	39	663	2,731	1,231	918	1,494	2,749	3,202	1,858
Mideast		1,523,401	8,905	2,737	51,564	204,283	122,778	99,738	112,108	392,621	344,626	184,041
Delaware	41	31,585	273	5	1,038	6,108	1,545	1,192	1,842	12,348	4,482	2,753
District of Columbia		52,372	16	13	481	1,308	2,710	588	1,314	9,531	16,969	19,441
Maryland	16	153,797	1,304	116	7,835	13,230	11,457	9,716	13,254	34,137	36,268	26,479
New Jersey	8	294,055	1,502	186	10,414	41,062	28,256	27,283	21,293	68,841	64,380	30,838
New York	2	651,652	2,689	480	18,505	74,446	49,335	40,277	44,440	203,219	148,253	70,007
Pennsylvania	6	339,940	3,121	1,935	13,291	68,129	29,476	20,683	29,965	64,544	74,274	34,523
Great Lakes		1,295,671	17,478	4,860	54,174	316,788	100,547	94,731	115,023	217,559	242,173	132,337
Illinois	4	393,532	5,110	1,268	16,385	71,671	35,807	30,972	31,881	79,466	82,375	38,597
Indiana	15	161,701	2,883	846	7,845	50,155	12,369	10,036	14,807	21,351	25,676	15,732
Michigan	9	272,607	2,698	1,246	11,052	70,234	18,230	20,831	25,735	41,850	51,635	29,095
Ohio	7	320,506	3,947	1,210	12,515	83,850	23,955	23,338	29,669	50,967	57,798	33,256
Wisconsin	19	147,325	2,840	290	6,378	40,878	10,186	9,553	12,930	23,924	24,690	15,657
Plains		538,494	21,360	3,164	23,831	102,629	49,367	42,281	48,237	85,150	99,193	63,280
Iowa	29	80,479	5,612	193	3,287	19,617	6,177	5,701	6,579	11,889	12,327	9,096
Kansas	31	71,737	2,933	1,021	3,040	12,784	7,608	5,822	7,039	9,432	12,298	9,759
Minnesota	18	149,394	3,631	679	6,693	28,271	11,485	12,568	13,004	27,515	29,839	15,710
Missouri	17	152,100	2,855	453	7,146	31,195	15,521	11,564	14,033	22,615	29,825	16,892
Nebraska	36	48,812	3,506	125	2,088	6,681	5,394	3,839	4,148	7,429	8,663	6,939
North Dakota	49	15,786	1,072	451	784	1,389	1,629	1,463	1,523	2,128	2,908	2,438
South Dakota	46	20,186	1,751	241	793	2,692	1,554	1,324	1,911	4,141	3,332	2,447
Southeast		1,763,114	31,716	32,479	76,652	315,895	157,072	121,470	171,379	286,834	333,401	236,216
Alabama	25	103,109	2,145	1,600	4,304	22,115	9,172	6,687	10,535	13,657	17,155	15,738
Arkansas	32	58,479	2,775	606	2,333	14,006	6,129	3,689	6,170	6,929	8,862	6,980
Florida	5	380,607	6,691	1,027	17,876	29,108	33,388	28,533	42,487	83,763	91,196	46,538
Georgia	10	229,473	4,066	1,002	8,910	40,035	25,274	20,947	20,587	37,774	42,441	28,439
Kentucky	26	100,076	2,723	2,659	4,101	27,360	8,087	6,014	9,033	11,646	15,217	13,239
Louisiana	23	124,350	1,292	19,797	5,395	19,566	11,037	7,078	10,232	16,068	20,127	13,758
Mississippi	33	58,314	1,659	540	2,355	13,198	5,865	3,383	5,985	6,898	9,725	8,705
North Carolina	12	218,888	5,118	298	9,643	57,971	16,578	14,328	19,427	33,045	34,351	28,130
South Carolina	28	93,259	1,280	215	4,500	23,289	7,057	5,619	9,955	12,894	14,626	13,824
Tennessee	20	146,999	1,745	480	6,012	31,281	11,759	11,299	16,267	21,233	29,856	17,067
Virginia	13	211,331	1,961	1,102	9,439	31,282	18,056	11,839	17,278	38,537	43,411	38,426
West Virginia	38	38,228	261	3,154	1,785	6,684	4,672	2,053	3,423	4,391	6,434	5,371
Southwest		844,766	13,481	52,354	37,222	133,678	84,895	60,142	76,363	126,830	157,507	102,294
Arizona	24	121,239	1,934	1,300	6,937	17,815	9,047	8,095	12,574	23,531	24,974	15,031
New Mexico	37	45,242	897	3,271	2,046	7,887	3,280	1,981	4,137	6,207	7,791	7,745
Oklahoma	30	76,642	2,085	4,087	2,377	13,015	7,523	4,697	7,664	9,587	13,514	12,090
Texas	3	601,643	8,565	43,695	25,861	94,961	65,044	45,369	51,987	87,505	111,227	67,428
Rocky Mountain		247,372	5,924	11,026	13,354	31,372	25,517	15,282	24,137	39,172	48,933	32,656
Colorado	22	126,084	2,147	2,708	6,910	14,480	13,762	8,223	12,229	21,885	27,850	15,891
Idaho	43	29,149	1,730	273	1,669	5,809	2,492	1,838	2,961	3,644	4,860	3,873
Montana	47	19,160	1,019	880	965	1,486	2,241	1,241	1,956	2,593	3,773	3,005
Utah	35	55,417	612	1,654	3,132	8,601	4,709	3,383	5,791	9,119	10,735	7,682
Wyoming	48	17,561	416	5,512	679	996	2,312	595	1,201	1,930	1,715	2,205
Far West		1,423,561	29,436	13,585	56,236	197,569	106,140	96,892	127,584	305,601	321,285	169,233
Alaska	45	24,494	314	5,169	1,007	1,134	3,822	713	1,673	2,795	3,029	4,838
California	1	1,033,016	21,633	6,381	34,883	146,173	72,301	71,177	91,300	237,282	236,925	114,962
Hawaii	40	38,024	463	26	1,640	1,213	3,904	1,493	4,332	8,503	8,413	8,036
Nevada	34	57,407	427	1,568	4,978	2,608	4,333	2,809	5,553	10,773	18,670	5,688
Oregon	27	98,367	2,473	124	5,173	24,666	6,943	7,727	8,175	14,903	17,030	11,154
Washington	14	172,253	4,127	317	8,555	21,776	14,837	12,974	16,550	31,344	37,219	24,554

NOTE.—Totals shown for the United States differ from the national income and product account estimates of gross domestic product (GDP) because GSP is derived from gross domestic income, which differs from GDP by the statistical discrepancy. In addition, GSP excludes and GDP includes the compensation of Federal civilian and military personnel stationed abroad and government consumption of fixed capital for military structures located abroad and for military equipment except domestically located office equipment. GSP and GDP also have different revision

schedules.

Source:

K. Local Area Table

Table K.1.—Personal Income and Per Capita Personal Income by Metropolitan Area, 1995–97

Area name	Personal income				Per capita personal income ¹				Area name	Personal income				Per capita personal income ¹				
	Millions of dollars			Percent change	Dollars		Rank in U.S.			Millions of dollars			Percent change	Dollars		Rank in U.S.		
	1995	1996	1997		1995	1996				1995	1996	1997		1995	1996	1997		
United States ²	6,059,091	6,408,103	6,770,650	5.7	23,059	24,164	25,288		Colorado Springs, CO	9,748	10,514	11,270	7.2	20,978	22,263	23,493	131	
Metropolitan portion	5,137,433	5,430,631	5,747,454	5.8	24,470	25,623	26,840		Columbia, MO	2,618	2,779	2,915	4.9	21,232	22,106	22,797	152	
Nonmetropolitan portion	921,658	977,472	1,023,196	4.7	17,449	18,359	19,089		Columbia, SC	10,429	11,121	11,820	6.3	21,259	22,344	23,435	134	
Consolidated Metropolitan Statistical Areas																		
Chicago-Gary-Kenosha, IL-IN-WI	235,526	248,253	262,357	5.7	27,296	28,555	29,981		Columbus, OH-AL	5,021	5,331	5,700	6.9	18,468	19,624	20,929	232	
Cincinnati-Hamilton, OH-KY-IN	44,680	47,149	50,006	6.1	23,427	24,574	25,855		Columbus, GA	33,904	35,336	37,471	6.0	23,706	24,502	25,728	75	
Cleveland-Akron, OH	71,327	74,337	77,920	4.8	24,499	25,495	26,733		Corpus Christi, TX	6,830	7,235	7,639	5.6	18,045	18,933	19,781	269	
Dallas-Fort Worth, TX	113,904	123,121	134,293	9.1	25,612	27,023	28,709		Cumberland, MD-WV	1,715	1,788	1,874	4.8	17,027	17,859	18,919	291	
Denver-Boulder-Greeley, CO	60,179	64,674	69,800	7.9	27,024	28,483	30,099		Dallas, TX	80,161	86,962	95,191	9.5	27,081	28,637	30,481	22	
Detroit-Ann Arbor-Flint, MI	139,276	143,074	149,232	4.3	25,889	26,373	27,419		Danville, VA	1,928	1,987	2,082	4.8	17,609	18,193	19,126	288	
Houston-Galveston-Brazoria, TX	105,523	112,366	121,775	8.4	25,408	26,566	28,225		Davenport-Moline-Rock Island, IA-IL	7,632	8,056	8,541	6.0	21,359	22,561	23,906	123	
Los Angeles-Riverside-Orange County, CA	355,870	373,755	393,604	5.3	23,321	24,318	25,313		Dayton-Springfield, OH	21,960	22,576	23,685	4.9	22,918	23,607	24,877	96	
Miami-Fort Lauderdale, FL	78,861	83,186	86,917	4.5	22,619	23,459	24,131		Daytona Beach, FL	8,300	8,864	9,341	5.4	18,492	19,489	20,187	256	
Milwaukee-Racine, WI	41,484	43,512	45,898	5.5	25,230	26,433	27,899		Decatur, AL	2,764	2,874	3,003	4.5	19,814	20,458	21,202	216	
New York-New Jersey-Long Island, NY-NJ-CT-PA	619,350	654,862	688,267	5.1	31,352	33,031	34,560		Decatur, IL	2,512	2,665	2,753	3.3	21,629	23,126	24,107	117	
Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	158,253	166,947	175,008	4.8	26,493	27,936	29,292		Denver, CO*	50,303	54,103	58,471	8.1	27,553	29,055	30,743	20	
Portland-Salem, OR-WA	47,988	52,031	55,815	7.3	23,697	25,100	26,396		Des Moines, IA	10,522	11,167	11,830	5.9	24,883	26,102	27,403	45	
Sacramento-Yolo, CA	37,445	39,292	41,621	5.9	23,326	24,099	25,138		Detroit, MI*	115,080	118,194	123,417	4.4	26,009	26,506	27,619	44	
San Francisco-Oakland-San Jose, CA	200,245	215,695	232,660	7.9	30,562	32,571	34,634		Dothan, AL	2,482	2,559	2,688	4.3	18,589	19,073	19,889	287	
Seattle-Tacoma-Bremerton, WA	86,045	92,306	100,810	9.2	26,363	27,855	29,839		Dover, DE	2,308	2,507	2,550	1.7	19,094	20,611	20,776	239	
Washington-Baltimore, DC-MD-VA-WV	202,626	213,221	225,524	5.8	28,601	29,838	31,265		Dubuque, IA	1,832	1,931	2,016	4.4	20,746	21,849	22,874	149	
Metropolitan Statistical Areas³																		
Abilene, TX	2,300	2,424	2,568	5.9	18,800	20,014	21,202	216	Duluth-Superior, MN-WI	4,708	4,950	5,167	4.4	19,794	20,839	21,723	191	
Akron, OH*	15,555	16,229	17,079	5.2	22,856	23,700	24,849	99	Dutchess County, NY*	6,404	6,776	7,144	5.4	24,522	25,805	27,085	54	
Albany, NY	2,163	2,296	2,381	3.7	18,588	19,617	20,707	255	Eau Claire, WI	2,720	2,878	3,035	5.5	19,132	20,155	21,154	219	
Albany-Schenectady-Troy, NY	20,787	21,444	22,217	3.6	23,606	24,429	25,425	83	El Paso, TX	9,431	9,895	10,504	6.2	14,037	14,800	15,216	312	
Albuquerque, NM	14,064	14,759	15,486	4.8	21,324	22,089	22,937	146	Elkhart-Goshen, IN	3,781	3,873	3,998	3.2	22,718	23,969	25,423	135	
Alexandria, LA	2,389	2,456	2,532	3.1	18,861	19,447	20,007	262	Elmira, NY	1,825	1,906	1,968	3.3	19,423	20,458	21,312	210	
Allentown-Bethlehem-Easton, PA	14,328	15,045	15,835	5.3	23,438	24,551	25,762	73	Enid, OK	1,091	1,143	1,222	6.9	19,088	20,092	21,474	205	
Altoona, PA	2,453	2,578	2,677	3.8	18,597	19,644	20,482	246	Erie, PA	5,670	5,925	6,140	3.6	20,326	21,285	22,120	179	
Amarillo, TX	4,171	4,343	4,576	5.4	20,457	21,112	22,051	180	Eugene-Springfield, OR	6,117	6,544	6,920	5.7	20,201	21,358	22,231	173	
Anchorage, AK	6,989	7,162	7,475	4.4	27,845	28,690	29,765	28	Evansville-Henderson, IN-KY	6,290	6,643	6,942	4.5	21,906	23,051	24,010	121	
Ann Arbor, MI*	14,369	14,989	15,941	6.4	27,573	28,266	29,579	29	Fargo-Moorhead, ND-MN	3,315	3,608	3,746	3.8	20,264	21,876	22,466	166	
Annisston, AL	2,024	2,110	2,210	4.7	17,350	18,098	18,855	292	Fayetteville, NC	5,209	5,461	5,742	5.1	18,314	19,240	20,219	253	
Apopka-Oshkosh-Neenah, WI	7,601	8,047	8,530	6.0	22,655	23,718	24,957	91	Fayetteville-Springdale-Rogers, AR	5,053	5,413	5,799	7.1	19,923	20,704	21,855	198	
Asheville, NC	4,363	4,604	4,898	6.4	21,083	21,971	23,158	140	Flagstaff, AZ-UT	1,939	2,076	2,178	4.9	16,663	17,585	18,184	298	
Athens, GA	2,588	2,788	2,936	5.3	19,232	20,428	21,256	214	Flint, MI*	9,827	9,891	9,875	-2.2	22,647	22,720	22,685	158	
Atlanta, GA	87,823	95,356	102,678	7.7	25,603	26,993	28,253	36	Florence, AL	2,544	2,636	2,715	3.0	18,729	19,295	19,800	268	
Atlantic-Cape May, NJ*	8,999	9,431	9,722	3.1	27,188	28,339	29,083	33	Florence, SC	2,280	2,426	2,566	5.8	18,617	19,697	20,622	242	
Augusta-Aiken, GA-SC	8,763	9,066	9,476	4.3	19,398	20,106	20,821	236	Fort Collins-Loveland, CO	4,810	5,259	5,613	6.7	22,174	23,750	24,852	98	
Austin-San Marcos, TX	22,572	24,580	27,194	10.6	22,524	23,665	25,420	84	Fort Lauderdale, FL*	36,123	38,534	40,743	5.7	25,561	26,752	27,661	43	
Bakersfield, CA	10,544	11,004	11,449	4.0	17,201	17,801	18,319	297	Fort Myers-Cape Coral, FL	8,749	9,303	9,863	6.0	22,372	24,510	25,568	78	
Baltimore, MD*	61,948	65,177	68,758	5.5	25,157	26,399	27,770	41	Fort Pierce-Port St. Lucie, FL	6,681	7,211	7,607	5.5	2				

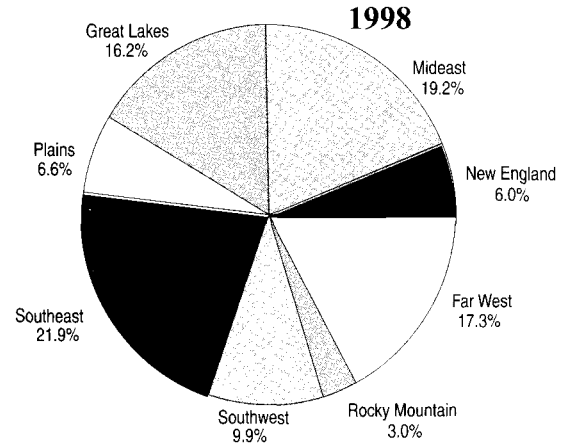
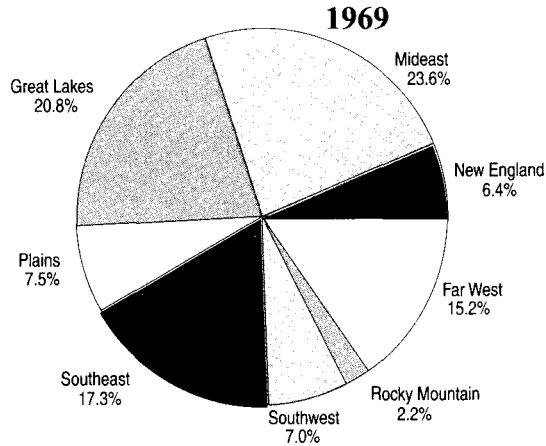
Table K.1.—Personal Income and Per Capita Personal Income by Metropolitan Area, 1995-97—Continued

Area name	Personal income				Per capita personal income ¹				Area name	Personal income				Per capita personal income ¹				
	Millions of dollars			Percent change	Dollars		Rank in U.S.			Millions of dollars			Percent change	Dollars		Rank in U.S.		
	1995	1996	1997		1995	1996	1997	1995		1996	1997	1995		1996	1997			
Jonesboro, AR	1,328	1,404	1,487	5.9	17,867	18,581	19,456	283	Raleigh-Durham-Chapel Hill, NC	24,621	26,671	29,107	9.1	24,798	26,101	27,711	42	
Joplin, MO	2,717	2,872	3,065	6.7	18,924	19,724	20,817	237	Rapid City, SD	1,720	1,770	1,852	4.6	19,760	20,383	21,270	212	
Kalamazoo-Battle Creek, MI	9,639	10,057	10,438	3.8	21,820	22,693	23,481	132	Reading, PA	8,339	8,761	9,220	5.2	23,613	24,893	26,051	69	
Kankakee, IL	2,007	2,124	2,211	4.1	19,829	20,925	21,677	194	Redding, CA	3,095	3,202	3,341	4.3	19,283	19,843	20,539	244	
Kansas City, MO-KS	40,847	43,133	45,714	6.0	24,233	25,450	26,627	59	Reno, NV	8,064	8,747	9,262	5.9	27,761	29,284	30,214	24	
Kenosha, WI	2,936	3,073	3,302	7.5	21,082	21,743	23,124	142	Richland-Kennebec-Pasco, WA	3,881	3,780	3,876	2.5	20,650	21,120	21,417	209	
Killeen-Temple, TX	4,819	5,074	5,348	5.4	16,583	17,059	17,861	303	Richmond-Petersburg, VA	23,575	24,857	26,312	5.9	25,429	26,553	27,797	40	
Knoxville, TN	13,738	14,260	14,888	4.4	21,482	22,004	22,745	154	Riverside-San Bernardino, CA*	54,153	56,769	59,748	5.2	18,335	18,949	19,604	278	
Kokomo, IN	2,370	2,336	2,412	3.3	23,780	23,287	24,061	119	Roanoke, VA	5,476	5,730	5,977	4.3	24,003	25,085	26,182	66	
La Crosse, WI-MN	2,509	2,643	2,770	4.8	20,812	21,812	22,815	150	Rochester, MN	2,752	2,945	3,119	5.9	24,486	26,044	27,233	51	
Lafayette, LA	6,424	6,911	7,453	7.8	17,627	18,783	20,031	261	Rochester, NY	26,383	27,410	28,374	3.5	24,310	25,247	26,170	67	
Lafayette, IN	3,291	3,393	3,582	5.6	19,386	19,941	20,880	235	Rockford, IL	7,839	8,165	8,528	4.4	22,432	23,128	24,024	120	
Lake Charles, LA	3,359	3,547	3,747	5.6	19,109	19,806	20,901	234	Rocky Mount, NC	2,618	2,809	2,937	4.6	18,414	19,554	20,214	254	
Lakeland-Winter Haven, FL	8,133	8,643	9,207	6.5	18,699	19,649	20,625	241	Sacramento, CA*	34,184	35,895	38,101	6.1	23,452	24,326	25,335	85	
Lancaster, PA	10,107	10,726	11,207	4.5	22,600	23,816	24,694	102	Saginaw-Bay City-Midland, MI	8,840	9,103	9,485	4.2	21,969	22,604	23,570	129	
Lansing-East Lansing, MI	9,541	9,835	10,208	3.8	21,026	21,907	22,691	156	St. Cloud, MN	2,888	3,081	3,164	2.7	18,230	19,285	19,627	277	
Laredo, TX	1,993	2,158	2,357	9.2	11,696	12,322	12,999	314	St. Joseph, MO	1,855	1,947	2,035	4.5	19,056	20,059	20,939	230	
Las Cruces, NM	2,254	2,370	2,482	4.7	14,194	14,564	14,923	313	St. Louis, MO-IL	63,014	65,847	69,547	5.6	24,785	25,824	27,177	53	
Las Vegas, NV-AZ	26,458	29,423	31,876	8.3	23,245	24,575	25,250	86	Salem, OR*	6,055	6,471	6,796	5.0	19,362	20,301	20,927	233	
Lawrence, KS	1,603	1,695	1,820	7.4	18,161	18,896	19,756	264	Salinas, CA	8,357	8,631	9,227	6.9	24,394	24,890	25,747	74	
Lawton, OK	1,882	1,932	1,993	3.2	16,323	16,801	17,487	304	Salt Lake City-Ogden, UT	24,016	25,953	27,849	7.3	19,802	21,121	22,264	172	
Lewiston-Auburn, ME (NECMA)	1,979	2,067	2,120	2.6	19,292	20,329	20,939	230	San Angelo, TX	1,930	2,027	2,146	5.9	19,053	19,898	20,968	228	
Lexington, KY	9,650	10,275	11,033	7.4	22,237	23,374	24,838	100	San Antonio, TX	29,796	31,526	33,716	6.9	24,474	24,276	24,379	169	
Lima, OH	3,069	3,129	3,248	3.8	19,744	20,142	20,997	227	San Diego, CA	60,432	63,908	67,998	6.4	22,882	23,903	24,965	89	
Lincoln, NE	5,058	5,429	5,752	5.9	22,081	23,482	24,602	106	San Francisco, CA*	60,217	64,159	68,671	7.0	36,668	38,631	41,128	1	
Little Rock-North Little Rock, AR	11,717	12,446	13,089	5.2	21,629	22,726	23,707	125	San Jose, CA*	50,602	55,607	61,345	10.3	32,289	34,880	37,856	4	
Longview-Marshall, TX	3,852	4,105	4,374	6.6	18,941	19,939	21,025	224	San Luis Obispo-Atascadero-Paso Robles, CA	4,575	4,897	5,223	6.7	20,244	21,412	22,568	162	
Los Angeles-Long Beach, CA*	213,656	223,742	234,469	4.8	23,662	24,706	25,719	76	Santa Barbara-Santa Maria-Lompoc, CA	9,685	10,197	10,760	5.5	25,401	26,675	27,839	39	
Louisville, KY-IN	22,950	24,043	25,353	5.4	23,317	24,307	25,493	80	Santa Cruz-Watsonville, CA*	6,117	6,535	7,010	7.3	26,059	27,733	29,406	30	
Lubbock, TX	4,571	4,853	5,082	4.7	19,757	20,980	22,032	181	Santa Fe, NM	3,351	3,495	3,680	5.3	24,765	25,507	26,319	64	
Lynchburg, VA	4,087	4,261	4,465	4.8	20,037	20,729	21,543	202	Santa Rosa, CA*	10,632	11,447	12,439	8.7	25,636	27,295	29,188	32	
Macon, GA	6,183	6,583	6,884	4.6	20,039	21,114	21,770	190	Sarasota-Bradenton, FL	15,134	16,109	17,020	5.7	28,918	30,460	31,792	16	
Madison, WI	10,339	10,958	11,550	5.4	25,254	26,379	27,361	47	Savannah, GA	5,884	6,280	6,544	4.2	21,099	22,333	23,054	143	
Mansfield, OH	3,328	3,458	3,619	4.7	18,993	19,719	20,673	240	Scranton-Wilkes-Barre-Hazleton, PA	12,754	13,309	13,770	3.5	20,199	21,228	22,177	177	
McAllen-Edinburg-Mission, TX	5,265	5,680	6,058	7.0	11,044	11,548	12,005	316	Seattle-Bellevue-Everett, WA*	63,953	68,967	76,064	10.3	29,088	30,916	33,373	13	
Medford-Asheville, OR	3,325	3,553	3,744	5.4	20,109	21,120	21,933	187	Sharon, PA	2,227	2,342	2,435	4.0	18,256	19,162	19,950	265	
Melbourne-Titusville-Palm Bay, FL	9,265	9,765	10,342	5.9	20,609	21,321	22,505	164	Sheboygan, WI	2,437	2,539	2,637	3.9	22,456	23,215	24,009	122	
Memphis, TN-AR-MS	25,271	26,569	28,043	5.5	23,746	24,725	25,905	71	Sherman-Denison, TX	1,869	2,017	2,135	5.9	19,069	20,144	21,006	226	
Merced, CA	2,987	3,269	3,394	3.8	15,546	17,113	17,485	305	Shreveport-Bossier City, LA	7,554	7,782	8,064	3.6	19,953	21,502	22,559	213	
Miami, FL	42,538	44,653	46,174	3.4	20,605	21,207	21,688	193	Sioux City, IA-NE	2,456	2,646	2,730	3.2	20,436	21,932	22,633	160	
Middlesex-Somerset-Hunterdon, NJ*	34,966	37,105	39,514	6.5	32,461	34,027	35,734	8	Sioux Falls, SD	3,669	3,955	4,203	6.3	23,417	24,797	26,030	70	
Milwaukee-Waukesha, WI*	37,232	39,023	41,131	5.4	25,492	26,695	28,176	37	South Bend, IN	5,697	5,841	6,074	4.0	22				

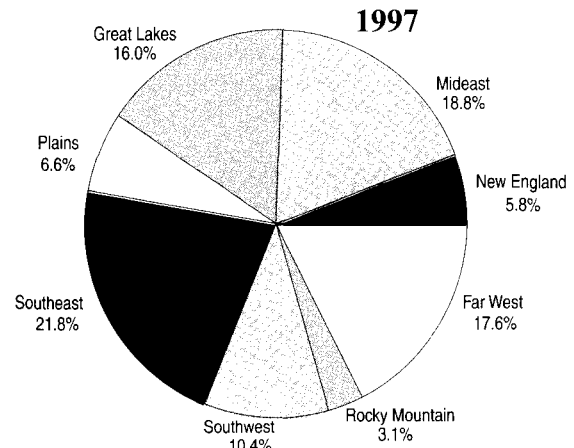
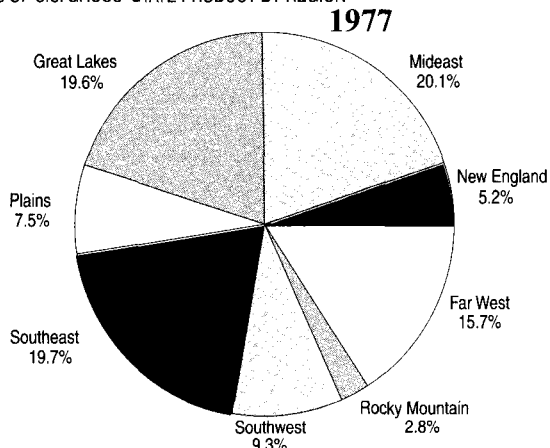
L. Charts

SELECTED REGIONAL ESTIMATES

SHARES OF U.S. PERSONAL INCOME BY REGION

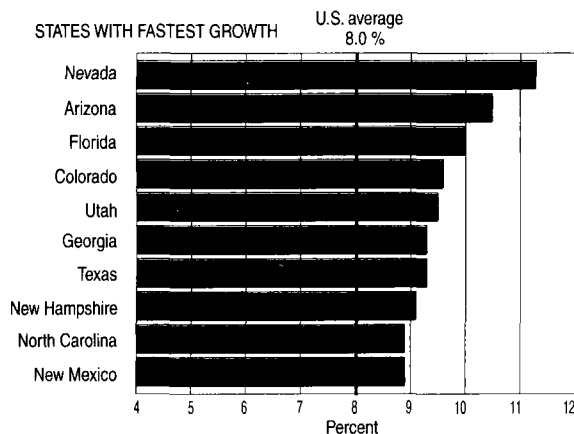


SHARES OF U.S. GROSS STATE PRODUCT BY REGION

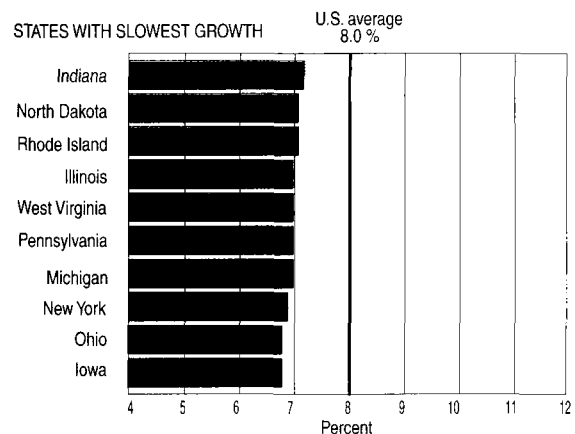


AVERAGE ANNUAL GROWTH RATE OF PERSONAL INCOME, 1969-98

STATES WITH FASTEST GROWTH

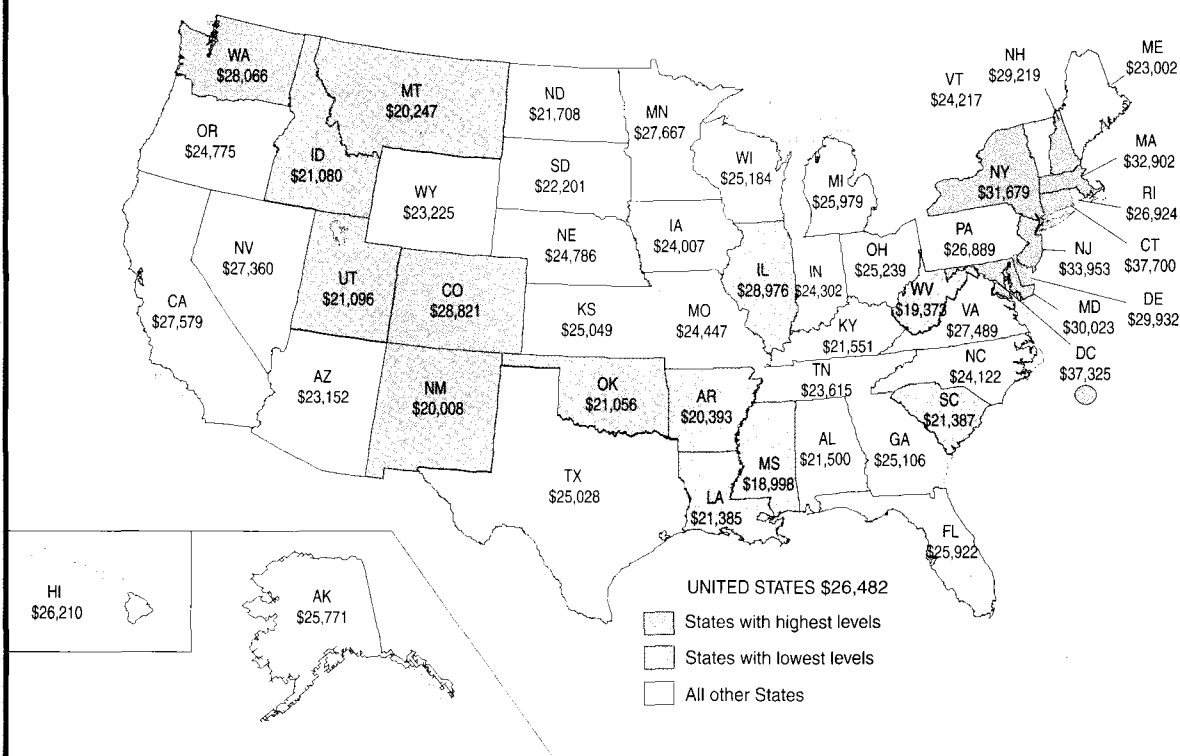


STATES WITH SLOWEST GROWTH

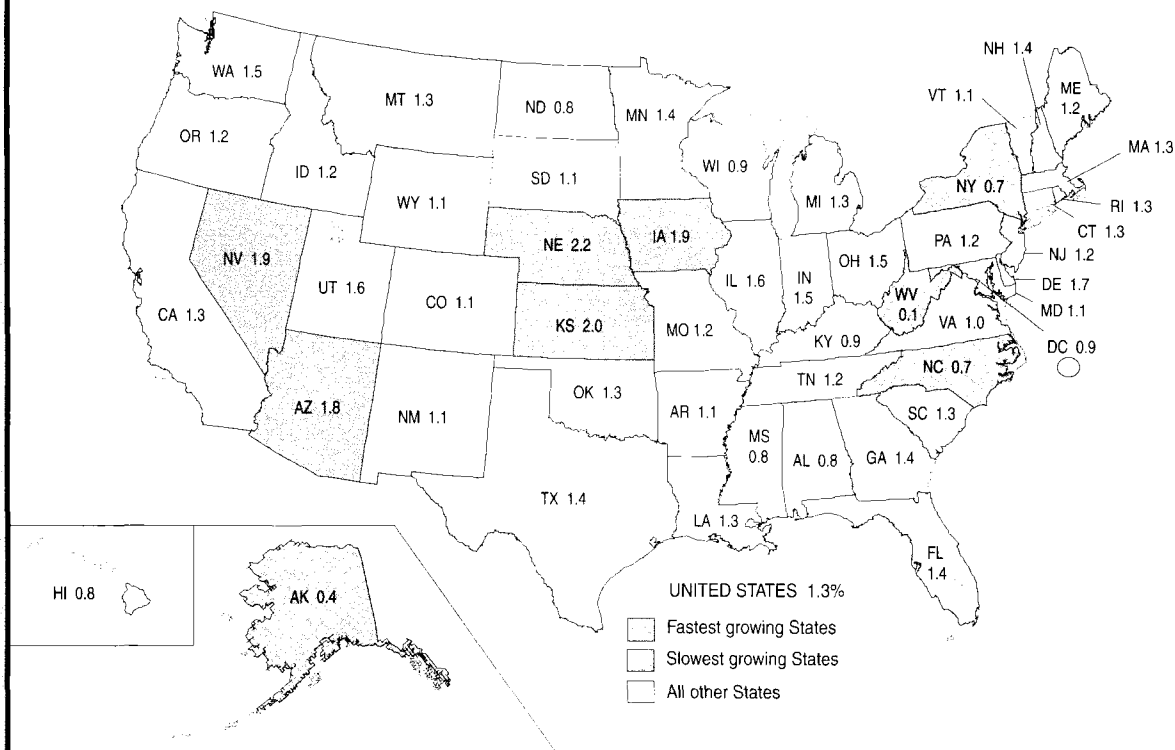


SELECTED REGIONAL ESTIMATES

PER CAPITA PERSONAL INCOME, 1998



PERSONAL INCOME: PERCENT CHANGE, 1999:I-1999:II



U.S. Department of Commerce, 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 1997–98 annual percent change in real GDP uses prices for 1997 and 1998 as weights, and the 1997–98 annual percent change in the GDP price index uses quantities for 1997 and 1998 as weights. Because the Fisher formula allows for the effects of changes in relative prices and in the composition of output over time, the resulting quantity or price changes are not affected by the substitution bias that is associated with changes in quantities and prices calculated using a fixed-weighted formula.¹ These annual changes are "chained" (multiplied) together to form time series of quantity and price; the percent changes that are calculated from these time series are not affected by the choice of reference period.

The quarterly changes in quantities and prices are calculated with weights from two adjacent quarters. As part of an annual or comprehensive revision, the quarterly indexes through the most recent complete year are adjusted to ensure that the average of the quarterly indexes conforms to the corresponding annual index.

In addition, BEA prepares measures of real GDP and its components in a dollar-denominated form, designated "*chained (1996) dollar estimates*." These estimates are computed by multiplying the 1996 current-dollar value of GDP, or of a GDP component, by the corresponding quantity index number. For example, if a current-dollar GDP component equaled \$100 in 1996 and if real output for this component increased by 10 percent in 1997, then the "chained (1996) dollar" value of this component in 1997 would be \$110 (\$100 × 1.10).

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.

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 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 yearly 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.

Reconciliation Tables

Table 1.—Reconciliation of Changes in BEA-Derived Compensation Per Hour with BLS Average Hourly Earnings
 [Percent change from preceding period]

	1997	1998	Seasonally adjusted at annual rates					
			1998			1999		
			II	III	IV	I	II	III
BEA-derived compensation per hour of all persons in the nonfarm business sector (less housing) ¹	3.6	5.2	5.6	6.2	4.6	4.2	4.8	5.4
Less: Contribution of supplements to wages and salaries per hour	-5	-5	-6	-5	-5	0	-2	-3
Plus: Contribution of wages and salaries per hour of persons in housing and in nonprofit institutions	-1	-3	-1	-3	-1	-1	-1	-3
Less: Contribution of wages and salaries per hour of persons in government enterprises, unpaid family workers, and self-employed	-1	-2	-1	-1	-1	-3	.1	.5
Equals: BEA-derived wages and salaries per hour of all employees in the private nonfarm sector	4.0	5.6	6.1	6.4	5.0	4.3	4.7	4.9
Less: Contribution of wages and salaries per hour of nonproduction workers in manufacturing .....	.1	-1	.7	.4	.4	.4	.4	.4
Less: Other differences ²	0	1.6	1.1	2.3	1.5	0	.7	.8
Equals: BLS average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls	3.9	4.1	4.3	3.7	3.2	4.0	3.6	3.7
Addendum: BLS estimates of compensation per hour in the nonfarm business sector ³	3.6	5.2	5.6	6.2	4.6	4.2	4.8	4.7

¹ Preliminary.

1. Includes BLS data on compensation and hours of nonfarm proprietors and hours worked of unpaid family workers.

2. Includes BEA use of non-BLS data and differences in detailed weighting. Annual estimates also include differences in BEA and BLS benchmark procedures; quarterly estimates also include

differences in seasonal adjustment procedures.

3. These estimates differ from the BEA-derived estimates (first line) because the BLS estimates include compensation and hours of tenant-occupied housing.

BLS Bureau of Labor Statistics

Table 2.—Relation of Net Exports of Goods and Services and Net Receipts of Income in the NIPA's to Balance on Goods, Services, and Income in the ITA's

[Billions of dollars]

	Line	1997	1998	Seasonally adjusted at annual rates					
				1998			1999		
				II	III	IV	I	II	III
Exports of goods, services, and income receipts, ITA's	1	1,197.2	1,192.2	1,193.9	1,166.0	1,199.9	1,183.7	1,205.5	1,248.8
Less: Gold, ITA's	2	5.7	5.5	4.4	5.2	7.1	2.9	3.3	6.0
Statistical differences ¹	3	0	0	0	0	0	0	-1.1	-2.6
Other items	4	.8	.8	.6	.8	1.2	.8	.9	.9
Plus: Adjustment for grossing of parent/affiliate interest payments	5	4.5	5.0	4.9	5.2	5.7	4.3	4.4	4.6
Adjustment for U.S. territories and Puerto Rico	6	38.1	42.3	40.9	41.4	46.4	47.2	48.1	47.3
Services furnished without payment by financial intermediaries except life insurance carriers	7	17.3	18.5	18.4	18.8	18.9	19.2	19.4	19.9
Equals: Exports of goods and services and income receipts, NIPA's	8	1,250.6	1,251.6	1,253.0	1,225.5	1,262.7	1,250.7	1,274.3	1,316.2
Imports of goods, services, and income payments, ITA's	9	1,298.7	1,368.7	1,363.9	1,376.7	1,392.7	1,417.0	1,484.3	1,563.7
Less: Gold, ITA's	10	6.6	6.5	5.5	7.3	6.6	3.2	3.2	7.6
Statistical differences ¹	11	0	0	0	0	0	0	.9	.8
Other items	12	0	0	0	0	0	0	0	0
Plus: Gold, NIPA's	13	-3.6	-3.1	-3.1	-2.9	-2.9	-2.3	-2.4	-2.5
Adjustment for grossing of parent/affiliate interest payments	14	4.5	5.0	4.9	5.2	5.7	4.3	4.4	4.6
Adjustment for U.S. territories and Puerto Rico	15	24.3	28.5	28.3	26.2	33.1	31.7	32.8	32.3
Imputed interest paid to rest of world	16	17.3	18.5	18.4	18.8	18.9	19.2	19.4	19.9
Equals: Imports of goods and services and income payments, NIPA's	17	1,334.7	1,411.1	1,407.0	1,416.8	1,441.0	1,466.7	1,534.4	1,609.8
Balance on goods, services, and income, ITA's (1-9)	18	-101.5	-176.5	-170.0	-210.7	-192.8	-233.3	-278.8	-314.9
Less: Gold (2-10+13)	19	-4.5	-4.1	-4.2	-5.0	-2.4	-2.6	-2.3	-4.1
Statistical differences (3-11) ¹	20	0	0	0	0	0	0	-2.0	-3.4
Other items (4-12)	21	.8	.8	.6	.8	1.2	.8	.9	.9
Plus: Adjustment for U.S. territories and Puerto Rico (6-15)	22	13.8	13.8	12.6	15.2	13.3	15.5	15.3	15.0
Equals: Net exports of goods and services and net receipts of income, NIPA's (8-17)	23	-84.1	-159.5	-154.0	-191.3	-178.3	-216.0	-260.1	-293.6

1. Consists of statistical revisions in the NIPA's that have not yet been incorporated into the ITA's (1999:II) and statistical revisions in the ITA's that have not yet been incorporated into the NIPA's (1999:II-1999:III).

ITA's International transactions accounts
 NIPA's National income and product accounts

Appendix B

Suggested Reading

BEA's Mission and Strategic Plan

BEA's mission statement and the latest update to BEA's strategic plan for improving the accuracy, reliability, and relevance of the national, regional, and international accounts are available on BEA's Web site (see the box below). The initial development and implementation of the strategic plan is described in the following articles in the SURVEY OF CURRENT BUSINESS.

"Mid-Decade Strategic Review of BEA's Economic Accounts: Maintaining and Improving Their Performance" (February 1995)

"Mid-Decade Strategic Review of BEA's Economic Accounts: An Update" (April 1995)

"BEA's Mid-Decade Strategic Plan: A Progress Report" (June 1996)

Methodology

BEA has published a wealth of information about the methodology used to prepare its national, regional, and international estimates.

National

National income and product accounts (NIPA's)

NIPA Methodology Papers: This series documents the conceptual framework of the NIPA's and the methodology used to prepare the estimates.

An Introduction to National Economic Accounting (NIPA Methodology Paper No. 1, 1985) [Also appeared in the March 1985 issue of the SURVEY]
Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends (NIPA Methodology Paper No. 2, 1985)

Foreign Transactions (NIPA Methodology Paper No. 3, 1987) [Revised version forthcoming]

GNP: An Overview of Source Data and Estimating Methods (NIPA Methodology Paper No. 4, 1987) [Largely superseded by "A Guide to the NIPA's" (March 1998 SURVEY)]

Government Transactions (NIPA Methodology Paper No. 5, 1988)

Personal Consumption Expenditures (NIPA Methodology Paper No. 6, 1990)

The methodologies described in these papers are subject to periodic improvements that are typically introduced as part of the annual and comprehensive revisions of the NIPA's; these improvements are described in the SURVEY articles that cover these revisions.

The most recent comprehensive revision of the NIPA's is described in the following series of SURVEY articles.

"A Preview of the 1999 Comprehensive Revision of the National Income and Product Accounts":

"Definitional and Classificational Changes" (August 1999)

"New and Redesigned Tables" (September 1999)

"Statistical Changes" (October 1999)

"Improved Estimates of the National Income and Product Accounts for 1959-98: Results of the Comprehensive Revision" (December 1999)

"Annual Revision of the U.S. National Income and Product Accounts": This series of SURVEY articles, the latest of which was published in the August 1998 issue, describes the annual NIPA revisions and the improvements in methodology.

"A Guide to the NIPA's" (March 1998 SURVEY) 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 NIPA's are presented; describes the statistical conventions that are used; and lists the principal source data and methods used to prepare the estimates of gross domestic product (GDP).

Information on the sources and methods used to prepare the national estimates of personal income, which provide the basis for the State estimates of personal income, can be found in *State Personal Income, 1929-97* (1999).

"BEA's Chain Indexes, Time Series, and Measures of Long-Term Economic Growth" (May 1997) is the most recent in a series of SURVEY articles that describe the conceptual basis for the chain-type measures of real output and prices used in the NIPA's.

"Reliability of the Quarterly and Annual Estimates of GDP and Gross Domestic Income" (December 1998)

Availability

Most of the items listed here are available on BEA's Web site at <www.bea.doc.gov>. In addition, see the *BEA Catalog of Products* for the availability of printed publications. The *Catalog* is available on BEA's Web site; a printed copy can be obtained by writing to the Public Information Office, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230, or by calling 202-606-9900.

SURVEY) evaluates the reliability of these estimates by examining the record of revisions to them.

Wealth and related estimates

Fixed Reproducible Tangible Wealth in the United States, 1929–94 (1999) discusses the conceptual and statistical considerations underlying the BEA wealth estimates and explains the derivation of the estimates.

Gross product by industry

“Improved Estimates of Gross Product by Industry, 1959–94” (August 1996 SURVEY) describes the most recent comprehensive revision of the estimates of gross product by industry.

“Gross Product by Industry, 1947–96” (November 1997 SURVEY) and “Gross Product by Industry, 1995–97” (November 1998 SURVEY) present the most recent revisions to the estimates of gross product by industry and briefly describe changes in methodology.

Input-output accounts

“Benchmark Input-Output Accounts for the U.S. Economy, 1992” (November 1997 SURVEY) describes the preparation of the 1992 input-output (I-O) accounts and the concepts and methods underlying the U.S. I-O accounts.

“Annual Input-Output Accounts of the U.S. Economy, 1996” (January 2000 SURVEY) presents annual I-O tables for 1996 that update the 1992 benchmark I-O accounts.

Satellite accounts

Satellite accounts that extend the analytical capacity of the national accounts by focusing on a particular aspect of activity are presented in the following SURVEY articles.

“Integrated Economic and Environmental Satellite Accounts” and “Accounting for Mineral Resources: Issues and BEA’s Initial Estimates” (April 1994)

“A Satellite Account for Research and Development” (November 1994)

“U.S. Transportation Satellite Accounts for 1992” (April 1998)

“U.S. Travel and Tourism Satellite Accounts for 1992” (July 1998)

International

International transactions accounts (ITA’s)

The Balance of Payments of the United States: Concepts, Data Sources, and Estimating Procedures (1990) describes the methodologies used in preparing the estimates in the ITA’s and of the international investment position of the United States. These methodologies are subject to periodic improvements that are typically introduced as part of the annual revisions of the ITA’s.

“U.S. International Transactions, Revised Estimates”: This series of SURVEY articles, the latest of

which was published in the July 1999 issue, describes the annual ITA revisions and the improvements in methodology.

Direct investment

International Direct Investment: Studies by the Bureau of Economic Analysis (1999) presents a collection of previously published studies on U.S. direct investment abroad and foreign direct investment in the United States. In addition, it includes the following guides to BEA’s statistics and methodologies used to prepare the estimates.

“Methodology for U.S. Direct Investment Abroad” (*U.S. Direct Investment Abroad: 1994 Benchmark Survey, Final Results* (1998))

“A Guide to BEA Statistics on U.S. Multinational Companies” (March 1995 SURVEY)

“Methodology for Foreign Direct Investment in the United States” (*Foreign Direct Investment in the United States: 1992 Benchmark Survey, Final Results* (1995))

“A Guide to BEA Statistics on Foreign Direct Investment in the United States” (February 1990 SURVEY)

Surveys of international services

U.S. International Transactions in Private Services: A Guide to the Surveys Conducted by the Bureau of Economic Analysis (1998) provides information on the 11 surveys that BEA conducts on these transactions—including classifications, definitions, release schedules, and methods used to prepare the estimates—and samples of the survey forms.

Regional


Personal income

State Personal Income, 1929–97 (1999) includes a description of the methodology used to prepare the estimates of State personal income. [Also available on the CD-ROM *State Personal Income, 1929–97*]

Local Area Personal Income, 1969–92 (1994) includes a description of the methodology used to prepare the estimates of local area personal income. [Also available on the CD-ROM *Regional Economic Information System, 1969–97*]

Gross state product

“Comprehensive Revision of Gross State Product by Industry, 1977–94” (June 1997 SURVEY) summarizes the sources and methods for BEA’s estimates of gross state product.

“Gross State Product by Industry, 1977–96” (June 1998 SURVEY) and “Gross State Product by Industry, 1995–97” (June 1999 SURVEY) present the most recent revisions to the estimates of gross state product by industry and briefly describe changes in methodology. 



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Schedule of Upcoming BEA News Releases

U.S. International Trade in Goods and Services, November 1999*	Jan. 20	8:30 a.m.
State Personal Income, 3rd quarter 1999	Jan. 26	9:00 a.m.
Gross Domestic Product, 4th quarter 1999 (advance)	Jan. 28	8:30 a.m.
Personal Income and Outlays, December 1999	Jan. 31	8:30 a.m.
U.S. International Trade in Goods and Services, December 1999*	Feb. 18	8:30 a.m.
Gross Domestic Product, 4th quarter 1999 (preliminary)	Feb. 25	8:30 a.m.
Personal Income and Outlays, January 2000	Feb. 28	8:30 a.m.
U.S. International Transactions, 4th quarter 1999	Mar. 15	10:00 a.m.
U.S. International Trade in Goods and Services, January 2000*	Mar. 21	8:30 a.m.
Gross Domestic Product, 4th quarter 1999 (final) and Corporate Profits, 4th quarter 1999	Mar. 30	8:30 a.m.
Personal Income and Outlays, February 2000	Mar. 31	8:30 a.m.
U.S. International Trade in Goods and Services, February 2000*	April 19	8:30 a.m.
Gross Domestic Product, 1st quarter 2000 (advance)	April 27	8:30 a.m.
Personal Income and Outlays, March 2000	April 28	8:30 a.m.

* Joint release by the Bureau of the Census and the Bureau of Economic Analysis (BEA)
For more information, call BEA at 202-606-9900, or go to our Web site at www.bea.doc.gov