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NOTE.—This issue of the SURVEY went to the printer on May 9, 1990. It incorporates data from the following monthly BEA news releases:

Gross National Product (Apr. 27),
Personal Income and Outlays (Apr. 30), and
Composite Indexes of Leading, Coincident, and Lagging
Indicators (May 2).

the BUSINESS SITUATION

U.S. economic activity picked up somewhat and inflation picked up considerably in the first quarter of 1990 (chart 1).

- Real GNP, a measure of U.S. production, increased at an annual rate of 2 percent after increasing 1 percent in the fourth quarter of 1989.
- Real gross domestic purchases, a measure of U.S. demand, increased at an annual rate of $1\frac{1}{2}$ percent after little change.
- The GNP price index increased at an annual rate of $6\frac{1}{2}$ percent after increasing $3\frac{1}{2}$ percent; the price index for gross domestic purchases stepped up the same amount, to 7 percent from 4 percent.

Inflation in the first quarter was at its highest rate in 8 years. About one-half of the step-up in the inflation rate was accounted for by energy and food prices, both of which were affected by severe cold weather in December. In January, gasoline and fuel oil prices spurted as suppliers rebuilt stocks that had been reduced in December, and vegetable prices spurred in response to weather-related reductions in supply.

In each of the last two quarters, steep declines in motor vehicle output—more than 20 percent in each

NOTE.—Daniel Larkins of the Current Business Analysis Division was primarily responsible for preparing this article, with contributions from Douglas R. Fox, Larry R. Moran, Ralph W. Morris, and Mira A. Piplani.

Beginning With This Issue...

- A new section featuring economic data related to business cycles has been added. The "Business Cycle Indicators" section, also referred to as the C-pages (or yellow pages), presents tables for over 250 series and charts for about 130 series that are widely used in analyzing current cyclical developments.

- Two pages of charts that show principal national income and product accounts (NIPA) series have been added. The charts immediately follow the NIPA tables: The first page shows trends and cycles in real GNP and its components, and the second page shows recent quarterly information for several NIPA series.

- New mailing procedures are also being put into effect. The procedures, which replicate those used for the discontinued *Business Conditions Digest*, are expected to reduce the time it takes the SURVEY to reach subscribers after it goes to press.

Looking Ahead...

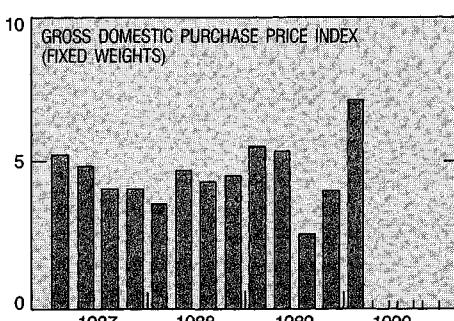
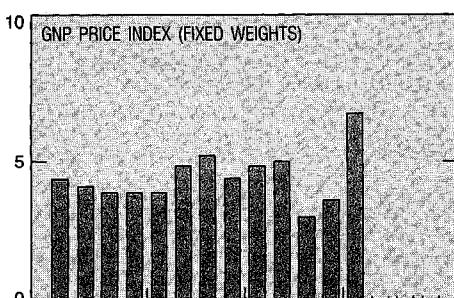
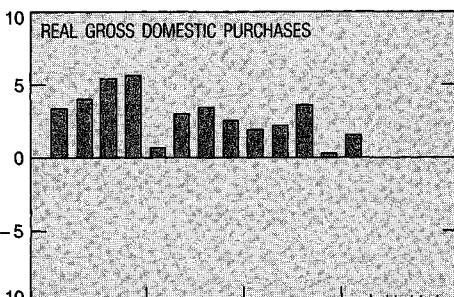
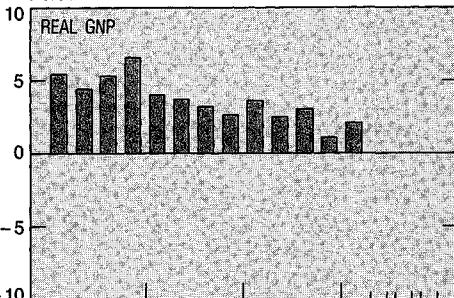
- *U.S. International Transactions and Investment Position.* Revised estimates of U.S. international transactions will be presented in the June SURVEY, along with preliminary estimates for the first quarter of 1990. The revisions cover 1986–89. Several changes will be introduced; see page 34 of the March 1990 SURVEY. The June issue will also present preliminary estimates for yearend 1989 of U.S. assets abroad and foreign assets in the United States and the sources of change in the investment position.

- *National Income and Product Accounts Revisions.* Revised estimates for the 3-year period beginning with the first quarter of 1987 will be presented in the July SURVEY.

CHART 1

Selected Measures: Change From Preceding Quarter

Percent



Note.—Percent changes of annual rate from preceding quarter; based on seasonally adjusted estimates.

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

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quarter—subtracted about 1 percentage point from the growth rate of GNP (table 1). Several components of GNP were affected substantially by motor vehicles. Quarter-to-quarter movements in personal consumption expenditures, producers' durable equipment, and inventory investment (that is, change in business inventories) are markedly different when motor vehicles are excluded.¹

Motor vehicles.—Motor vehicle output dropped \$10 billion in the first quarter after falling \$9 billion in the fourth; final sales of motor vehicles (including net sales to foreigners) jumped \$14 billion after plummeting \$25 $\frac{1}{2}$ billion. The further cut in production in the first quarter despite the turnaround in sales reflected a continuing effort by manufacturers to reduce inventories.

Early in the fourth quarter, sales-incentive programs were scaled back at the same time that new car prices were raised substantially with the introduction of 1990 models; domestic car sales dropped sharply—to 6.2 million units

1. The regularly featured estimates of real GNP and GNP prices are based on 1982 weights. An alternative measure of price change that uses more current weights—the chain price index—is published in table 8.1 of the "Selected NIPA Tables." The GNP chain price index increased at about the same rate as the GNP fixed-weighted price index in the last two quarters—6 percent in the first quarter and 3 $\frac{1}{2}$ percent in the fourth.

The chain price index can be used to calculate an alternative measure of real GNP growth based on more current weights; this measure of GNP increased at annual rates of 1 $\frac{1}{2}$ percent in the first quarter and 1 percent in the fourth. Growth of real GNP in 1987 dollars, another measure based on more current weights, will be published in the "Reconciliation and Other Special Tables" in the May SURVEY OF CURRENT BUSINESS.

(seasonally adjusted annual rate), the lowest level since the first quarter of 1983. Thus, although fourth-quarter production was cut to 6.5 million, inventories climbed to 1.7 million, and the inventory-sales ratio jumped to 3.3—far above the industry target of 2.4.

In the first quarter, manufacturers again enhanced incentive programs. In many cases, the programs were among the most attractive ever offered—covering popular models (such as minivans) that had never been covered before or guaranteeing buyers that they would receive additional benefits if even more attractive programs were introduced later in the model year, or both. First-quarter domestic car sales jumped to 7.0 million. In a related effort to reduce inventories, manufacturers slashed production to 5.5 million, the lowest level since the fourth quarter of 1982. (Production in January was less than two-thirds that in December, and, although production increased in February and March, it remained at low levels in both months.) As a result of the sharp cut in production and the large increase in sales, inventories fell to 1.4 million, and the inventory-sales ratio dropped to 2.4.

Foreign car sales—facing many of the same conditions that confronted domestic car sales—followed a pattern similar to, but not as extreme as, that of domestic car sales. Foreign car sales increased 0.2 million, to 2.8 million, in the first quarter after falling 0.3 million in the fourth.

Sales of new trucks increased in the first quarter after falling sharply

in the fourth. Sales of light domestic trucks, many of which were also covered by the more attractive incentive programs, more than accounted for this increase; sales increased 0.3 million, to 4.1 million, in the first quarter after falling 0.8 million in the fourth. Sales of other domestic trucks were unchanged at 0.3 million, and sales of imported trucks declined to 0.4 million from 0.5 million. Truck inventories fell in the first quarter after increasing sharply in the fourth.

Components of Real GNP

The step-up in GNP growth in the first quarter was accounted for by a strengthening in final sales that was partly offset by a sharp cutback in inventory investment. Except for exports, all major components of final sales contributed to the step-up.

The fourth coldest December on record and the second warmest first quarter appears to have had substantial impacts on personal consumption expenditures (PCE) for heating and on construction of residential and nonresidential buildings and may have had an impact on other components of GNP.

Personal consumption expenditures

Real PCE increased 2 $\frac{1}{2}$ percent in the first quarter after increasing only

Table 1.—Selected NIPA Components, Change from Preceding Quarter, 1989:IV and 1990:I

[Seasonally adjusted at annual rates]

	Billions of 1982 dollars		Percent	
	1989:IV	1990:I	1989:IV	1990:I
Gross national product...	11.2	21.7	1.1	2.1
Excluding motor vehicles.....	20.4	31.5	2.1	3.2
Final sales.....	10.9	41.3	1.1	4.0
Excluding motor vehicles.....	36.5	27.2	3.7	2.7
Personal consumption expenditures.....	3.6	16.4	.5	2.5
Excluding motor vehicles.....	21.9	5.4	3.5	.8
Producers' durable equipment...	-7.0	7.8	-6.9	8.2
Excluding motor vehicles.....	2.3	5.7	2.7	6.7
Net exports.....	9.9	6.0	.....	.....
Excluding motor vehicles.....	7.6	5.6	.....	.....
Government purchases of goods and services.....	5.1	5.7	2.6	2.8
Excluding motor vehicles.....	5.4	5.1	2.7	2.6
Change in business inventories....	.3	-19.6	.....	.....
Excluding motor vehicles.....	-16.1	4.3	.....	.....
Addenda:				
Gross domestic purchases	1.3	15.7	.1	1.5
Excluding motor vehicles.....	12.8	25.9	1.3	2.6
Final sales to domestic purchasers.....	1.0	35.3	.1	3.4
Excluding motor vehicles.....	28.9	21.6	2.9	2.2

NOTE.—Dollar levels of aggregates are found in tables 1.2 and 1.6 of the "Selected NIPA Tables," and percent changes are found in table 8.1. Dollar levels for motor vehicles are found in tables 1.18 (autos) and 1.20 (trucks).

NOTE.—Quarterly estimates in the national income and product accounts are expressed at seasonally adjusted annual rates, and quarterly changes in them are differences between these rates. Quarter-to-quarter percent changes are annualized. Real, or constant-dollar, estimates are expressed in 1982 dollars. The advance GNP estimate for the first quarter is based on the following major source data, some of which are subject to revision. (The number of months for which data were available is shown in parentheses.)

Personal consumption expenditures: Sales of retail stores (3), and unit auto and truck sales (3);

Nonresidential fixed investment: Unit auto and truck sales (3), construction put in place (2), manufacturers' shipments of machinery and equipment (3), and exports and imports of machinery and equipment (2);

Residential investment: Construction put in place (2), and housing starts (3);

Change in business inventories: Manufacturing and trade inventories (2), and unit auto inventories (3);

Net exports of goods and services: Merchandise exports and merchandise imports (2);

Government purchases of goods and services: Federal outlays (2), and State and local construction put in place (2);

GNP prices: Consumer Price Index (3), Producer Price Index (3), nonpetroleum merchandise export and import price indexes (3), and values and quantities of petroleum imports (2).

$\frac{1}{2}$ percent in the fourth (table 2). Expenditures for durable goods more than accounted for the first-quarter pickup and for the fourth-quarter slowdown.

Expenditures for durable goods jumped 17 percent in the first quarter after falling almost that much in the fourth. Consumer expenditures for new cars and trucks surged, largely in response to sales-incentive programs. Expenditures for furniture and household equipment, led by consumer electronics and appliances, also surged in the first quarter (after changing little in the fourth). Expenditures for "other" durables declined in the first quarter after increasing in the fourth.

Expenditures for nondurable goods declined 4 percent in the first quarter after changing little in the fourth. Expenditures for energy, food, and clothing and shoes each declined; expenditures for "other nondurables" increased. Expenditures for energy goods tumbled 26 percent after increasing $16\frac{1}{2}$ percent in the fourth quarter. Food expenditures declined about $2\frac{1}{2}$ percent in each quarter, reflecting, in part, consumer response to higher prices.

Expenditures for services increased $2\frac{1}{2}$ percent in the first quarter after increasing 6 percent in the fourth. The falloff primarily reflected a swing in expenditures for energy services, down 28 percent after increasing $24\frac{1}{2}$ percent; expenditures for transportation services and for "other" household operations also contributed.

In the first quarter, the major factors usually considered in analyses of consumer spending weakened a little for the second consecutive quarter. Real disposable personal income increased less than in the fourth quarter. (Over the past four quarters, real disposable personal income increased $2\frac{1}{2}$ percent, only about one-half the rate of increase over the preceding four quarters.) Consumer confidence, as measured by the Index of Consumer Sentiment prepared by the University of Michigan's Survey Research Center, declined for the third time in four quarters; although it was 5 percent below the first-quarter 1989 level, it remained at a level that has historically been associated with a healthy economy. The unemployment rate changed little over the past year, and it remained low in the first quarter. Consumer prices, which accelerated sharply, were probably the biggest negative factor affecting consumer attitudes.

Nonresidential fixed investment

Real nonresidential fixed investment rebounded in the first quarter after declining in the fourth; both structures and producers' durable equipment (PDE) contributed to the upswing (table 3).

Structures increased 5 percent ($\$1\frac{1}{2}$ billion) after little change. Nonresidential buildings, which composes about two-thirds of total structures, increased \$2 billion after a $\$1\frac{1}{2}$ billion decline; they more than accounted for both the first-quarter upswing in structures and the fourth-quarter downswing. The monthly pattern of nonresidential buildings suggests that the weather may have had a substantial impact. After hovering around $\$78\frac{1}{2}$

billion between August and November, nonresidential buildings dropped \$5 billion in December (the largest monthly drop since March 1986) and then jumped \$4 billion in January and another \$4 billion in February.

PDE increased 8 percent in the first quarter after dropping almost that much in the fourth. The first-quarter increase was more than accounted for by transportation equipment and information processing equipment. In transportation equipment, purchases of both cars and trucks increased after sharp drops in the fourth quarter, and purchases of civilian aircraft rebounded from a fourth-quarter level that had been depressed by a strike at a major aircraft manufacturer. In

Table 2.—Real Personal Consumption Expenditures

[Seasonally adjusted at annual rates]

1990:I	Billions of 1982 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1989		1990	
		1989		1990		II	III	IV	I
Personal consumption expenditures.....	2,710.1	12.7	36.4	3.6	16.4	1.9	5.6	0.5	2.5
Durables.....	437.1	5.6	11.5	-16.1	16.8	5.5	11.3	-14.0	17.0
Motor vehicles and parts.....	182.2	.9	11.4	-18.0	11.8	2.1	28.4	-33.1	30.7
Furniture and household equipment.....	184.7	3.7	-1.1	2	7.1	8.7	-2.4	.5	17.0
Other durables.....	70.2	1.0	1.2	1.7	-2.1	6.0	7.1	10.0	-11.1
Nondurables.....	912.2	-5.3	11.1	.3	-8.9	-2.3	5.0	.1	-3.8
Food.....	457.3	-4.6	1.8	-2.7	-3.0	-3.9	1.6	-2.3	-2.6
Clothing and shoes.....	170.8	.8	7.5	-1.8	-.7	2.0	19.4	-4.1	-1.6
Energy ¹	116.8	-7	.4	4.7	-9.2	-2.3	1.3	16.4	-26.2
Other nondurables.....	167.1	-9	1.4	.3	3.9	-2.2	3.5	.7	9.9
Services.....	1,360.7	12.3	13.9	19.3	8.5	3.8	4.3	5.9	2.5
Housing.....	378.1	2.1	1.9	2.4	2.1	2.3	2.1	2.6	2.3
Household operation.....	163.7	1.0	.1	5.8	-6.6	2.5	2	14.9	-14.6
Energy ²	78.9	.7	-4	4.6	-6.7	3.5	-2.0	24.7	-27.8
Other.....	84.8	.2	.6	1.2	-.1	1.0	2.9	5.9	.5
Transportation.....	100.7	.8	1.7	1.7	-.2	3.4	7.2	7.1	.8
Medical care.....	310.9	4.1	5.0	6.3	6.5	5.8	7.0	8.7	8.8
Other services.....	407.3	4.4	5.3	3.1	6.2	4.6	5.5	3.2	6.3

1. Gasoline and oil, and fuel oil and coal.

2. Electricity and gas.

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

Table 3.—Real Gross Private Domestic Fixed Investment

[Seasonally adjusted at annual rates]

1990:I	Billions of 1982 dollars					Percent change from preceding quarter			
	Level	Change from preceding quarter				1989		1990	
		1989		1990		II	III	IV	I
Gross private domestic fixed investment.....	708.3	4.1	2.0	-7.6	13.2	2.4	1.1	-4.3	7.8
Nonresidential.....	520.2	10.4	6.5	-7.1	9.4	8.6	5.2	-5.4	7.6
Structures.....	121.8	-3.0	2.3	-.1	1.5	-9.5	8.0	-.3	5.1
Nonresidential buildings, excluding farms.....	78.3	-3.2	1.1	-1.4	2.0	-15.1	5.9	-7.0	10.9
Public utilities.....	23.6	-5	-4	-2	.2	-7.9	-6.5	-3.3	3.5
Mining exploration, shafts, and wells.....	15.0	.2	1.1	1.6	-.8	6.3	38.1	53.3	-18.8
Other.....	4.9	.6	.3	0	.1	77.3	29.5	0	8.6
Producers' durable equipment.....	398.4	13.3	4.4	-7.0	7.8	14.8	4.6	-6.9	8.2
Information processing and related equipment.....	200.0	8.8	2.0	4.4	4.5	21.0	4.3	9.5	9.5
Industrial equipment.....	73.4	-1.4	0	-3	.2	-7.3	0	-1.6	1.1
Transportation and related equipment.....	59.6	4.1	2.1	-12.1	4.8	29.9	13.6	-55.0	39.9
Other.....	65.4	1.8	.3	1.2	-1.8	11.8	1.8	7.5	-10.3
Residential.....	188.1	-6.3	-4.5	-.5	3.8	-12.3	-9.2	-1.1	8.5
Single-family structures.....	93.9	-7.2	-3.2	.5	5.5	-26.2	-13.3	2.3	27.3
Multifamily structures.....	16.5	.3	-1.0	-1.6	-.7	6.3	-18.7	-29.9	-15.3
Other.....	77.7	.6	-4	.7	-1.0	3.1	-2.0	3.6	-5.0

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

information processing equipment, increased purchases of computers and of communication equipment more than offset small declines in purchases of scientific instruments and of photocopy equipment.

A Census Bureau survey in January and February found that businesses plan to increase expenditures for plant and equipment about $7\frac{1}{2}$ percent in 1990. Most of the other factors that are usually considered in assessing the outlook for investment spending point toward a more moderate increase: Corporate profits and cash flow have been weak since the end of 1988, increases in real final sales tended to be modest or nonexistent before the first-quarter strengthening, and the rate of capacity utilization in manufacturing has been edging down. Interest rates, one of the few factors that had been pointing capital spending upward, may have turned around; the yield on new issues of high-grade corporate bonds, which dropped almost 1 percentage point from the first to the fourth quarter of 1989, moved up in the first quarter of 1990. (It is not clear if the real interest rate also moved up in the first quarter.)

Residential investment

Real residential investment increased $8\frac{1}{2}$ percent in the first quarter after a small decline in the fourth. Single-family construction increased sharply after a small increase; multifamily construction registered a third consecutive decline of 15 percent or more. The "other" component of residential investment (which includes additions and alterations, major replacements, mobile home sales, and brokers' commissions) declined after an increase.

Data on housing starts suggest that the weather played a major role in single-family construction in the first and fourth quarters (chart 2). During February-November 1989, starts fluctuated in the range of 0.969 to 1.029 million (seasonally adjusted annual rate), with an average monthly change (without regard to sign) of 42,000 and with the largest monthly change being an increase of 58,000 in July. In contrast, starts dropped 79,000 in December and then jumped 168,000 in January and another 55,000 in February.² Starts of multifamily

units do not present such a clear picture of the impact of the weather: These starts actually increased (albeit very slightly) in December before registering their largest change in 2 years. (A January surge in permits for multi-family units appears to have been a response to new Department of Housing and Urban Development regulations that mandate improved accessibility by the handicapped; units built under permits issued before January 13, 1990, and occupied by January 1, 1991, are not covered by the new regulations.)

The downswing in the "other" component of residential investment was attributable to a decline in brokers' commissions on house sales. Sales of new and existing residences declined $19\frac{1}{2}$ percent (seasonally adjusted annual rate) in the first quar-

ter, perhaps reflecting more cautious mortgage lending practices and higher mortgage interest rates (chart 3).

Inventory investment

Real inventory investment—that is, change in business inventories—fell $\$19\frac{1}{2}$ billion in the first quarter, as businesses added only $\$2\frac{1}{2}$ billion to their inventories after adding $\$22$ billion in the fourth quarter (table 4). The first-quarter dropoff in inventory investment was more than accounted for by the sharp downswing in inventories held by retail auto dealers, which plunged $\$21\frac{1}{2}$ billion after increasing $\$8$ billion in the fourth quarter.

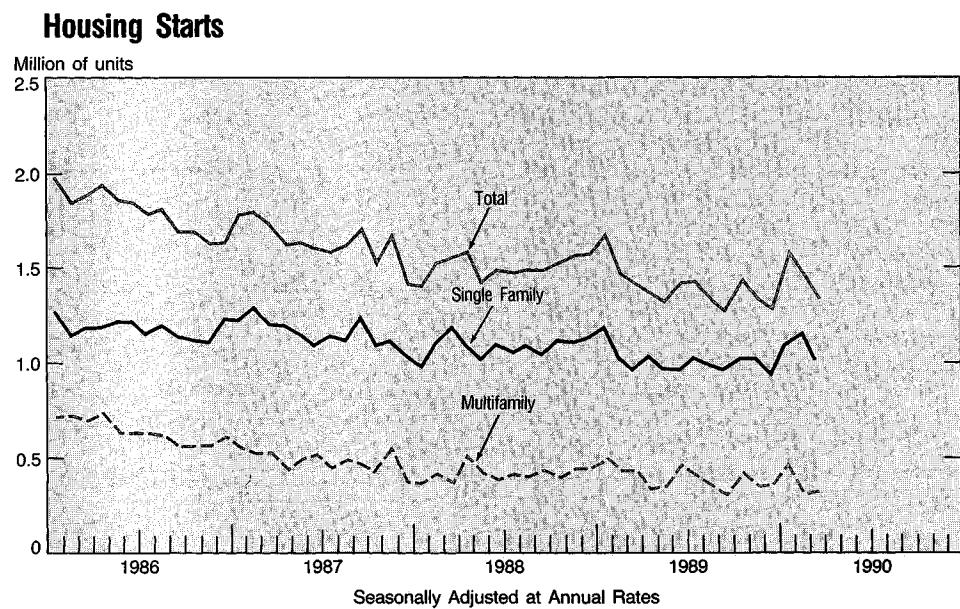
Nonfarm inventories excluding those held by auto dealers increased $\$19$ bil-

Table 4.—Change in Real Business Inventories
[Billions of 1982 dollars; seasonally adjusted at annual rates]

	Level					Change from preceding quarter			
	1989				1990	1989		1990	
	I	II	III	IV	I	II	III	IV	I
Change in business inventories.....	24.5	19.1	21.9	22.2	2.6	-5.4	2.8	0.3	-19.6
Farm	7.6	-5	5.6	4.2	5.1	-8.1	6.1	-1.4	.9
Nonfarm	16.9	19.5	16.2	18.0	-2.5	2.6	-3.3	1.8	-20.5
Manufacturing.....	3.8	8.3	12.0	-4.5	13.2	4.5	3.7	-16.5	19.7
Wholesale trade	-2.4	4.5	2.4	5.3	1.9	6.9	-2.1	2.9	-3.4
Retail trade.....	8.4	2.6	-1.6	13.2	-24.8	-5.8	-4.2	14.8	-38.0
Auto dealers.....	9.0	-3.0	-9.0	7.9	-21.5	-12.0	-6.0	16.9	-29.4
Other retail trade	-.6	5.6	7.4	5.3	-3.3	6.2	1.8	-2.1	-8.6
Other.....	7.1	4.1	3.4	4.0	5.2	-3.0	-7	.6	1.2
Addendum: Nonfarm less auto dealers.....	7.9	22.6	25.2	10.1	19.0	14.7	2.6	-15.1	8.9

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

CHART 2



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

2. In the national income and product accounts, most of the effect of single-family starts on single-family construction occurs in the 6 months following the start.

lion in the first quarter, almost double the rate of accumulation in the fourth. The step-up was attributable to a substantial accumulation in manufacturing inventories after a runoff in the fourth quarter. Within manufacturing, inventories of durables registered the largest gain in more than a year; the first-quarter increase was widespread. Inventories of nondurables increased after a decline; the turnaround was partly accounted for by petroleum and coal products.

Wholesale trade inventories increased less than in the fourth quarter. A sharp downswing in inventories of merchant wholesalers was largely accounted for by groceries, farm products, and machinery, equipment, and supplies. Inventories of nonmerchant wholesalers increased after declining;

the sizable changes in these inventories in the past two quarters were largely accounted for by inventories held in petroleum bulk stations and terminals.

Inventories of retailers other than auto dealers declined after three quarters of strong increases. The downswing was accounted for by nondurables, mainly food stores and department stores.

Farm inventories increased \$5 billion, about the same amount as in the two preceding quarters. With farm output and market sales by farmers being roughly equal, the inventory accumulations were largely traceable to continued net withdrawals of crops from inventories held by the Commodity Credit Corporation under the commodity loan program.

Reflecting the lower rate of inventory accumulation and the pickup in final sales in the first quarter, the ratio of nonfarm business inventories to final sales of business moved down to 2.78, somewhat below the 2.80-to-2.82 range of the past 2 years.

Net exports

Real net exports increased \$6 billion in the first quarter after increasing \$10 billion in the fourth (table 5). A drop in imports accounted for most of the first-quarter increase; exports increased only a little.

Merchandise exports increased \$8½ billion (or 8½ percent) in the first quarter, somewhat more than in the fourth; however, most of the first-quarter increase in merchandise exports was offset by a \$7 billion drop in exports of services, largely in factor income. Agricultural exports increased a little less than in the fourth quarter, and nonagricultural exports increased somewhat more than in the fourth quarter. The increase in nonagricultural exports was more than accounted for by increased shipments of civilian aircraft after a strike-depressed fourth quarter.

Merchandise imports declined \$5½ billion (or 4 percent) in the first quarter after increasing \$4 billion in the fourth; imports of services increased slightly. Petroleum imports increased substantially, as suppliers attempted to rebuild stocks, but nonpetroleum imports dropped sharply. Within nonpetroleum imports, consumer goods registered the largest decline, but most other major end-use categories also dropped.

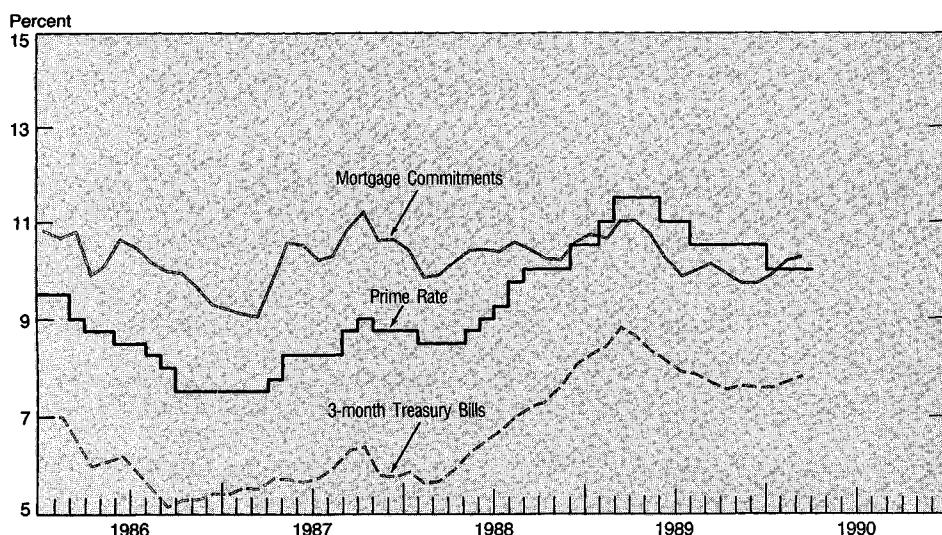
Table 5.—Real Net Exports of Goods and Services
[Seasonally adjusted at annual rates]

	Billions of 1982 dollars				Percent change from preceding quarter			
	Level	Change from preceding quarter			1989		1990	
		1989		1990	I	II	III	IV
	1990:I	II	III	IV	I	II	III	IV
Net exports of goods and services.....	-41.2	3.8	-5.9	9.9	6.0			
Exports								
Merchandise.....	608.0	17.8	5.6	13.5	1.4	13.1	3.9	9.4
Agriculture.....	405.6	14.4	3.7	6.6	8.4	16.4	3.9	6.9
Nonagriculture.....	42.2	.6	-3.6	2.7	2.4	6.1	-31.0	32.4
Services.....	363.4	13.8	7.3	3.9	6.0	17.7	8.7	4.5
Services.....	202.4	3.4	1.9	6.9	-7.0	7.1	3.8	14.3
Imports								
Merchandise.....	649.2	14.1	11.5	3.6	-4.6	9.3	7.4	2.2
Petroleum.....	502.8	10.1	16.8	3.9	-5.4	8.7	14.5	3.1
Nonpetroleum.....	100.8	3.7	5.8	-4.9	8.3	17.9	27.8	-18.7
Services.....	401.9	6.4	11.0	8.8	-13.8	6.7	11.6	8.9
Services.....	146.4	3.9	-5.2	-3	.8	11.0	-13.1	-8

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

CHART 3

Selected Interest Rates



Data: FRB, FHLMC.
U.S. Department of Commerce, Bureau of Economic Analysis

Government purchases

Real government purchases increased \$5½ billion (or 3 percent) in the first quarter, a little more than in the fourth (table 6). Federal Government purchases increased after two quarters of decline, but State and local government purchases were up less than in the fourth quarter.

Federal defense purchases edged up in the first quarter after declining in the fourth. The fourth-quarter decline had been dominated by military hardware; in the first quarter, an increase in military hardware was largely offset by a drop in nondurables.

Within Federal nondefense purchases, a drawdown of Commodity Credit Corporation (CCC) inventories continued a pattern that began in the second quarter of 1987 and that was

Table 6.—Real Government Purchases of Goods and Services
[Seasonally adjusted at annual rates]

1990:I	Billions of 1982 dollars				Percent change from preceding quarter				
	Level	Change from preceding quarter			1989			1990	
		1989		1990	II	III	IV	I	
	II	III	IV	I	II	III	IV	I	
Government purchases of goods and services.....	816.1	10.6	-5.0	5.1	5.7	5.4	-2.4	2.6	2.8
Federal.....	335.2	8.1	-7.5	-2.8	1.9	10.0	-8.4	-3.3	2.3
National defense.....	255.9	1.4	4.3	-4.4	.2	2.2	6.9	-6.6	.3
Nondefense.....	79.4	6.7	-11.8	1.7	1.7	37.4	-43.9	9.3	9.0
Commodity Credit Corporation inventory change.....	-6.6	6.4	-10.8	1.8	-.7	1.4	-4.6	-.5	12.0
Other.....	86.0	.3	-1.0	2.4	-.1				
State and local.....	480.9	2.5	2.5	7.8	3.9	2.2	2.2	6.8	3.3
Structures.....	63.0	-5	-5	4.4	1.6	-3.4	-3.4	34.6	10.8
Other.....	417.9	3.0	3.0	3.4	2.3	3.0	3.0	3.3	2.2

NOTE.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Dollar levels are found in table 3.8B.

interrupted only in the second quarter of 1989. (Changes in the rate of decumulation led to the pattern of change shown in table 6—up \$2 billion in the fourth quarter and down $\$1\frac{1}{2}$ billion in the first.)

Federal nondefense purchases excluding CCC inventory transactions increased $\$2\frac{1}{2}$ billion in the first quarter after little change in the fourth. All components except structures contributed to the step-up.

State and local government purchases increased \$4 billion in the first quarter after an unusually large increase in the fourth. Most of the slowdown was in structures.

Prices

Inflation picked up considerably in the first quarter after two quarters of moderate increases. The GNP price index (fixed weights) increased $6\frac{1}{2}$ percent after a $3\frac{1}{2}$ -percent increase; the price index for gross domestic purchases (fixed weights) increased 7 percent after a 4-percent increase (table 7).

About one-half of the first-quarter pickup in prices of gross domestic purchases was attributable to surges in food and energy prices, which, in turn, were partly related to the very cold December. (For many applications, the price index for gross domestic purchases, which measures prices paid for goods and services *purchased* in the United States, is preferable to the GNP price index as a measure of inflation.) A breakdown of gross domestic purchases into purchases of food, energy, and "other" shows that food prices increased $12\frac{1}{2}$ percent after increasing $4\frac{1}{2}$ percent and energy prices increased $17\frac{1}{2}$ percent after no change (addenda to table 7). Prices of "other"

purchases picked up to a $5\frac{1}{2}$ -percent increase from a 4-percent increase in the fourth quarter; a pay raise for Federal military and civilian employees contributed about 0.3 percentage point to the pickup.

Largely reflecting food and energy prices, the increase in PCE prices nearly doubled to 8 percent in the first quarter. PCE food prices accelerated as prices of vegetables soared following the bitterly cold weather in December that damaged crops; prices of meat and eggs increased substantially more

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

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

	1989			1990
	II	III	IV	I
GNP.....	5.0	2.9	3.6	6.5
Less: Exports.....	2.5	-4	.5	3.8
Plus: Imports.....	5.7	-4.4	4.6	9.9
Equals: Gross domestic purchases.....	5.4	2.5	4.0	7.1
Less: Change in business inventories.....				
Equals: Final sales to domestic purchasers.....	5.3	2.5	4.0	7.0
Personal consumption expenditures.....	6.3	2.2	4.4	7.8
Food.....	7.8	2.7	4.7	13.4
Energy.....	31.5	-9.4	-1.4	17.7
Other personal consumption expenditures.....	3.9	3.2	4.8	5.6
Nonresidential structures.....	4.2	3.9	3.1	3.2
Producers' durable equipment.....	2.2	2.6	3.9	4.9
Residential investment.....	7.2	4.6	2.0	2.3
Government purchases.....	3.3	2.8	3.3	6.7
Addenda: Categories of gross domestic purchases:				
Food ¹	7.2	3.0	4.6	12.7
Energy ²	29.9	-9.2	0	17.7
Other.....	3.8	3.2	4.2	5.6

1. Consists of all components of gross domestic purchases for which separate estimates are prepared. The major component that is not included is purchases of food by the Federal Government other than transactions by the Commodity Credit Corporation.

2. Consists of all components of gross domestic purchases for which separate estimates are prepared. The major components that are not included are the gasoline and motor oil portions of inventories held by gasoline service stations and the energy portions of inventories held by businesses that do not produce energy for sale.

NOTE.—Percent changes in major aggregates are found in table 8.1 of the "Selected NIPA Tables." Most index number levels are found in tables 7.1 and 7.3.

than in the fourth quarter, and prices of poultry and fish swung up. PCE energy prices jumped after a decline. Sharp January increases in prices of gasoline and oil and of fuel oil and coal probably reflected the impact of the cold weather, as suppliers rebuilt stocks. Electricity and gas prices were up less in the first quarter than in the fourth. "Other" PCE prices increased a little more than in the fourth quarter. The pickup was mostly accounted for by women's clothing and motor vehicles.

Among the components of fixed investment, PDE prices increased 5 percent, somewhat more than in recent quarters; the step-up was widespread. Prices of nonresidential and residential structures increased at about the same rate as in the fourth quarter.

Prices of government purchases were up $6\frac{1}{2}$ percent, about twice as much as in the fourth quarter. More than one-half of the step-up was attributable to the Federal pay raise. (Such increases in employee compensation are treated in the national income and product accounts as an increase in the price of employee services purchased by the Federal Government.)

Prices of exports and imports both increased considerably more than in the fourth quarter. Prices of merchandise imports increased 11 percent after a 4-percent increase; petroleum prices accelerated to a $56\frac{1}{2}$ -percent increase from a $23\frac{1}{2}$ -percent increase, and prices of capital goods (except autos) jumped 11 percent after declining 1 percent.

Personal Income

Personal income jumped $\$99\frac{1}{2}$ billion in the first quarter after increasing $\$79\frac{1}{2}$ billion the fourth (chart 4). "Special factors" shown in table 8 added \$22 billion to the first-quarter increase in personal income. Excluding special factors, proprietors' income was up much more than in the fourth quarter, and wage and salary disbursements, personal interest income, and transfer payments were up less than in the fourth quarter.

Wage and salary disbursements increased \$44 billion, about the same as in the fourth quarter. Private wages and salaries increased somewhat less than in the fourth quarter, reflecting a slowdown in hourly earnings and a continued decline in average weekly hours. Government wages and salaries—boosted \$4 billion by the pay

raise for Federal employees—were up more than in the fourth quarter.

Farm proprietors' income increased \$13½ billion in the first quarter after increasing \$2½ billion in the fourth. Federal subsidies to farm proprietors increased in both quarters—\$4 billion in the first quarter, \$6 billion in the fourth. Deficiency payments—payments made when the market price of a crop is, or is projected to be, below the CCC target price—more than accounted for the first-quarter increase in subsidies. The fourth-quarter increase had been largely in Conservation Reserve Program payments and drought assistance payments. Farm income excluding subsidies jumped \$9½ billion in the first quarter af-

ter three consecutive quarters of decline; the turnaround largely reflected an upswing in farm prices.

Nonfarm proprietors' income increased \$11 billion in the first quarter, substantially more than in recent quarters. The pickup largely reflected the jump in single-family construction (the part of the construction industry in which proprietorships and partnerships are concentrated) and a rebound from the fourth-quarter reduction (of roughly \$1½ billion, largely reflecting uninsured losses) caused by the Loma Prieta earthquake.

Rental income of persons increased \$4 billion in the first quarter after five consecutive quarters of decline. The first-quarter increase reflected a rebound from a fourth-quarter reduction of roughly \$6 billion caused by the earthquake.

Personal interest income increased somewhat less than in the fourth quarter, and increases in other labor in-

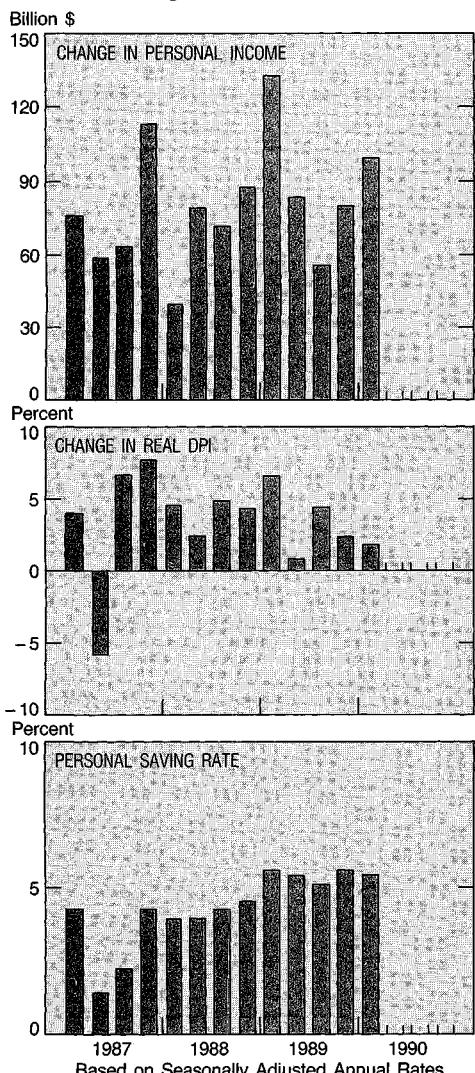
come and personal dividend income were similar to those in the fourth quarter.

Transfer payments increased \$21½ billion in the first quarter, \$8 billion more than in the fourth. The step-up was due to cost-of-living adjustments (effective in January) that added \$14½ billion to benefits paid under social security and several other Federal retirement and income support programs.

Personal contributions for social insurance, which are subtracted from the personal income total, increased \$8½ billion in the first quarter after a \$3 billion increase in the fourth. Most of the first-quarter increase was due to an increase in social security tax rates for employees from 7.51 to 7.65 percent, an increase in the taxable wage base from \$48,000 to \$51,300, and rate and base changes in social security contributions paid by the self-employed. Contributions were reduced \$2 billion as a

CHART 4

Selected Personal Income and Savings Measures



Note.—Changes are from preceding quarter.

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

Table 8.—Personal Income and Its Disposition

[Billions of dollars; seasonally adjusted at annual rates]

	1990:I	Level	Change from preceding quarter			
		1989			1990	
		II	III	IV		
Wage and salary disbursements.....	2,744.1	48.1	45.9	45.4	44.0	
Commodity-producing industries.....	753.4	7.2	8.9	7.0	3.7	
Manufacturing.....	560.1	3.6	5.8	3.9	.5	
Other.....	193.3	3.5	3.1	3.2	3.2	
Distributive industries.....	644.1	12.0	8.6	11.8	12.9	
Service industries.....	849.8	22.4	21.6	19.8	17.6	
Government and government enterprises.....	496.9	6.6	6.7	6.8	9.9	
Other labor income.....	260.0	4.7	4.7	4.6	4.7	
Proprietors' income.....	374.6	-3.8	-12.2	7.0	24.3	
Farm.....	51.9	-7.7	-15.2	2.4	13.4	
Nonfarm.....	322.7	3.9	3.0	4.6	10.9	
Rental income of persons.....	8.9	-2.0	-4.4	-.6	4.1	
Personal dividend income.....	118.0	2.0	1.8	2.5	2.3	
Personal interest income.....	684.4	26.1	12.7	9.9	6.7	
Transfer payments.....	671.1	10.4	9.6	13.3	21.4	
Less: Personal contributions for social insurance.....	226.5	3.0	2.4	2.8	8.3	
Personal income.....	4,634.7	82.5	55.6	79.4	99.4	
Less: Personal tax and nontax payments.....	673.5	24.3	-3.5	15.0	9.4	
Impact of the Tax Reform Act of 1986 ¹	9.6	-16.1	.3	-5.3		
Other.....	14.7	12.6	14.7	14.7	14.7	
Equals: Disposable personal income.....	3,961.2	58.2	59.1	64.5	89.9	
Less: Personal outlays.....	3,745.7	63.2	64.7	43.6	90.4	
Equals: Personal saving.....	215.5	-5.0	-5.6	20.9	-5	
Addenda: Special factors in personal income:						
In wages and salaries:						
Federal Government and Postal Service pay adjustments.....		.2	.4	.2	4.3	
In farm proprietors' income:						
Agricultural subsidy payments.....		-4.7	-8.2	6.0	3.8	
In rental income of persons:						
Uninsured losses due to hurricane and earthquake.....			-3.1	-3.0	6.0	
In transfer payments:						
Social security retroactive payments.....		.1	-5	.5	-1.0	
Cost-of-living increases in Federal transfer payments.....					14.7	
In personal contributions for social insurance:						
Social security rate and base changes.....					5.8	
Medicare insurance premiums.....					-2.1	

1. Estimates of the impact of the Tax Reform Act of 1986 on Federal Government personal tax payments and indirect effects on State and local government personal tax payments.

NOTE.—Most dollar levels are found in table 2.1 of the "Selected NIPA Tables."

result of the repeal of the major provisions of the Medicare Catastrophic Act of 1988.

Personal tax and nontax payments increased \$9½ billion in the first quarter after a \$15 billion increase in the fourth. The first-quarter increase was restrained by an annual adjustment to the withholding tables for Federal income tax to reflect the indexing provisions of the tax law. (This adjustment accounts for the impact of the Tax Reform Act shown in table 8.)

The acceleration in personal income, combined with the deceleration in personal taxes, led to a pickup in disposable personal income (DPI). DPI increased \$90 billion (or 9½ percent) in the first quarter after a \$64½ billion increase in the fourth. The pickup in DPI did not carry through to real DPI because of the sharp acceleration in PCE prices. Real DPI increased 2 percent in the first quarter after increasing 2½ percent in the fourth.

Personal outlays—largely PCE—accelerated in the first quarter. A larger increase in outlays than in current-dollar DPI led to a slight decline in personal saving in the first quarter. The personal saving rate declined 0.2 percentage point to 5.4 percent.

Table 9.—Corporate Profits

	Level	Change	
	1989	1988	1989
Billions of dollars			
Profits from current production	301.3	29.9	-27.3
Domestic	253.5	25.4	-31.5
Financial	27.3	.7	-8.4
Nonfinancial	226.2	24.7	-23.1
Rest of the world	47.8	4.6	4.1
Inventory valuation adjustment	-18.7	-6.1	6.3
Capital consumption adjustment	29.3	-4.1	-17.3
Profits before tax	290.7	40.1	-16.1
Profits tax liability	129.7	13.2	-8.2
Profits after tax	161.0	26.9	-7.9
Profits by industry:			
Profits before tax with IVA	272.0	34.0	-9.8
Domestic	224.1	29.5	-14.1
Financial	22.2	-.7	-7.6
Nonfinancial	202.0	30.2	-6.4
Manufacturing	86.9	21.8	-11.5
Trade	39.1	-1.0	-1.0
Transportation and public utilities	39.9	4.7	0.6
Other	36.0	4.7	5.4
Rest of the world	47.8	4.6	4.1
Receipts (inflows)	63.0	9.5	4.5
Payments (outflows)	15.2	4.9	.4
Dollars			
Unit prices, costs, and profits of domestic nonfinancial corporations:			
Unit price	1.171	0.025	0.042
Unit labor cost	.781	.014	.037
Unit nonlabor cost	.299	.006	.017
Unit profits from current production	.091	.005	-.012

NOTE.—Levels of these and other profits series are found in tables 1.14, 1.16, 6.18B, and 7.18 of the "Selected NIPA Tables."

Corporate Profits and Property Income in 1989

Profits from current production declined \$27½ billion in 1989, to \$301½ billion, after increasing \$30 billion in 1988 (table 9).

Profits of domestic nonfinancial corporations dropped \$23 billion in 1989 after increasing \$24½ billion in 1988. Costs rose, partly because of a slowing in productivity growth, but prices were not raised as much as costs, perhaps reflecting restraints imposed by foreign competition as a result of the appreciation of the dollar in foreign exchange markets.

Profits of domestic financial corporations dropped \$8½ billion after increasing \$½ billion. About \$3 billion of the drop reflected the effect of Hurricane Hugo and the Loma Prieta earthquake on insurance company profits.

Another \$1 billion or so of the drop reflected unusually large charges by commercial banks for bad debt, mainly in the fourth quarter. Most of the rest of the drop can be attributed to continuing problems in the savings and loan industry.

Profits from the rest of the world increased \$4 billion after increasing \$4½ billion. Profits earned by from foreign affiliates of U.S. corporations increased \$4½ billion, reflecting strong economic growth abroad; profits earned by U.S. affiliates of foreign corporations, which are subtracted in calculating rest-of-the-world profits, increased only \$½ billion.

Property income

Corporate property income—income accruing to investors—consists of net interest payments as well as prof-

Table 10.—Property Income of Domestic Nonfinancial Corporations and Related Series, 1948–89

[Billions of dollars]

Year	Property income				Net interest	Domestic income	Net reproducible assets ¹			
	Total	Profits from current production								
		Total	Profits tax liability	Profits after tax						
(1)	(2)	(3)	(4)	(5)	(6)	(7)				
1948	27.5	26.6	11.8	14.8	0.9	115.2	186.9			
1949	24.9	23.9	9.3	14.6	1.0	110.1	198.9			
1950	31.5	30.6	16.9	13.7	0.9	126.2	214.2			
1951	35.8	34.7	21.2	13.5	1.1	146.0	241.1			
1952	33.0	31.7	17.8	13.9	1.2	151.1	261.1			
1953	32.8	31.5	18.5	13.1	1.3	161.5	274.1			
1954	31.7	30.1	15.6	14.5	1.6	158.1	284.8			
1955	41.7	40.0	20.2	19.8	1.6	180.0	302.4			
1956	39.8	38.1	20.1	18.0	1.8	191.1	333.7			
1957	39.3	37.0	19.1	18.0	2.2	198.2	362.5			
1958	35.0	32.2	16.2	16.1	2.7	190.7	376.9			
1959	45.2	42.1	20.7	21.4	3.1	216.7	389.5			
1960	42.7	39.2	19.2	20.1	3.5	223.9	404.3			
1961	44.0	40.1	19.5	20.6	4.0	229.4	415.1			
1962	51.8	47.3	20.6	25.7	4.5	252.0	428.4			
1963	57.7	52.8	22.8	30.1	4.8	268.7	445.8			
1964	64.6	59.3	24.0	35.3	5.3	291.2	468.0			
1965	75.2	69.1	27.2	41.9	6.1	321.7	500.1			
1966	81.1	73.7	29.5	44.2	7.4	355.0	547.7			
1967	79.3	70.5	27.8	42.6	8.8	371.5	606.6			
1968	84.9	74.8	33.6	41.2	10.1	408.1	656.9			
1969	82.8	69.6	33.3	36.3	12.2	441.6	725.3			
1970	72.5	55.4	27.2	28.3	17.1	451.2	795.2			
1971	83.3	65.2	29.9	35.2	18.1	485.3	864.3			
1972	94.9	75.7	33.8	41.9	19.2	541.9	936.8			
1973	104.9	82.4	40.2	42.2	22.5	610.8	1,039.7			
1974	97.7	69.4	42.2	27.2	28.3	654.5	1,239.8			
1975	120.3	91.6	41.5	50.2	28.7	700.7	1,436.7			
1976	140.7	113.3	53.0	60.3	27.5	797.1	1,570.1			
1977	165.5	134.9	59.9	75.0	30.6	906.5	1,729.3			
1978	181.8	146.0	67.1	78.9	35.9	1,029.2	1,956.2			
1979	182.6	139.1	69.6	69.5	43.5	1,144.7	2,233.4			
1980	178.7	123.1	67.0	56.1	55.5	1,229.7	2,532.8			
1981	211.8	144.2	63.9	80.3	67.5	1,372.3	2,855.0			
1982	188.5	111.9	46.3	65.6	76.6	1,392.4	3,073.9			
1983	235.4	165.6	59.4	106.1	69.8	1,501.3	3,170.1			
1984	302.7	222.4	73.5	148.9	80.3	1,702.5	3,308.1			
1985	306.4	225.3	69.9	155.4	81.1	1,796.1	3,467.9			
1986	302.4	214.0	75.4	138.6	88.4	1,869.5	3,592.5			
1987	331.5	224.6	93.1	131.5	106.9	1,996.6	3,756.7			
1988	375.1	249.3	105.4	143.9	125.8	2,174.2	3,973.7			
1989	375.1	226.2	99.3	126.9	148.9	2,313.5	4,196.5			

1. Average of year-end values for structures, equipment, and inventories, valued at current cost.

NOTE.—Property income is profits from current production plus net interest. Profits from current production is corporate profits with inventory valuation adjustment and capital consumption adjustment. Profits after tax is also shown with inventory valuation adjustment and capital consumption adjustment. Current data on most series are shown in tables 1.14 and 1.16 of the "Selected NIPA Tables." The value of structures and equipment through 1981 is available in *Fixed Reproducible Tangible Wealth in the United States, 1929–85*, (Washington DC: U.S. GPO, 1987). Structures and equipment data for 1982–88 are from the August 1986–88 issues of the SURVEY OF CURRENT BUSINESS; data for 1989 and all data on inventories of nonfinancial corporations are unpublished BEA estimates.

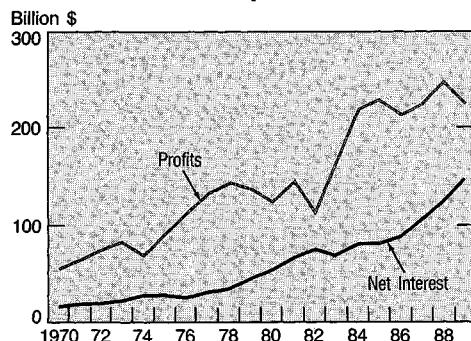
its. For domestic nonfinancial corporations, net interest payments increased \$23 billion in 1989 after increasing \$19 billion in 1988. (Net interest, like other components of the national income and product accounts, is subject to revision in July.)

Chart 5 and table 10 provide perspective on the recent increases in both types of property income generated by domestic nonfinancial corporations. In

1970-89, both types trended up, but the trend in net interest was substantially stronger (an average annual rate of increase of 11.4 percent, compared with an average annual rate of increase of 7.6 percent for profits). As a result, the share of net interest in property income rose from 23½ percent in 1970 to 39 percent in 1989. It is also worth noting that profits showed more sensitivity to the business cycle than did net interest: Profits declined markedly in the recession years of 1974, 1980, and 1982 and in 1989, when economic growth slowed; net interest, in contrast, increased in each of these years.

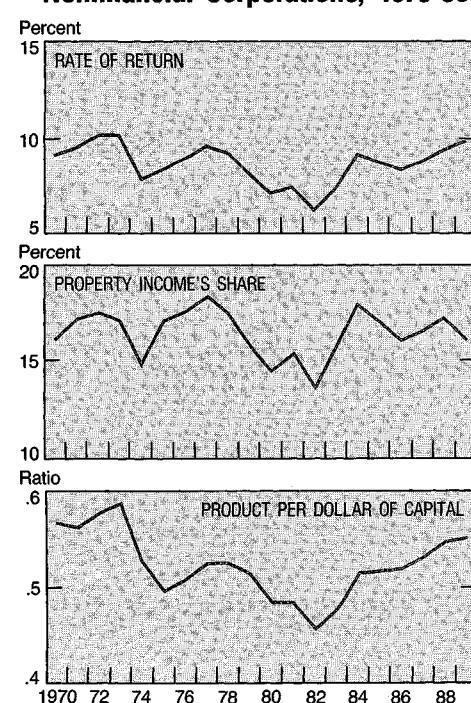
The large increases in net interest in the past 3 years followed several years of relative flatness. The recent increases presumably reflect high levels of payments associated with leveraged buy-outs and merger activity.

CHART 5 Profits From Current Production and Net Interest, Domestic Nonfinancial Corporations, 1970-89



U.S. Department of Commerce, Bureau of Economic Analysis 90-4-5

CHART 6 Selected Ratios, Domestic Nonfinancial Corporations, 1970-89



U.S. Department of Commerce, Bureau of Economic Analysis 90-4-6

Perspective on property income can also be gained by examining property income in relation to the net reproducible assets and domestic income of domestic nonfinancial corporations. The ratio of property income to the value of net reproducible assets is the rate of return on these assets—that is, the rate of return, or yield, on “capital.” (Ideally, nonreproducible assets, such as land, would also be included in the denominator, but the lack of data prevents this.) Net reproducible assets consist of capital stock and inventories, both measured at replacement cost. A rate of return calculated in this way is an estimate of the profitability of new investment (assuming no change in the mix). The use of property income, rather than profits alone, as the numerator of this ratio reflects the assumption that a corporation's decision to invest in plant, equipment,

Table 11.—Ratios, Domestic Nonfinancial Corporations, 1948-89

[Percent]

	Rate of return					Share of domestic income			Average product of capital	
	Property income					Property income				
	Total	Profits from current production			Net interest	Total	Profits from current production	Net interest		
		Total	Profits tax liability	Profits after tax						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
1948	14.7	14.2	6.3	7.9	0.5	23.8	23.1	0.8	0.616	
1949	12.5	12.0	4.7	7.3	.5	22.6	21.7	.9	.554	
1950	14.7	14.3	7.9	6.4	.4	25.0	24.2	.7	.589	
1951	14.9	14.4	8.8	5.6	.5	24.5	23.8	.8	.605	
1952	12.6	12.1	6.8	5.3	.5	21.8	21.0	.8	.579	
1953	12.0	11.5	6.7	4.8	.5	20.3	19.5	.8	.589	
1954	11.1	10.6	5.5	5.1	.6	20.1	19.1	1.0	.555	
1955	13.8	13.2	6.7	6.6	.5	23.2	22.2	.9	.595	
1956	11.9	11.4	6.0	5.4	.5	20.8	19.9	.9	.573	
1957	10.8	10.2	5.3	5.0	.6	19.8	18.7	1.1	.547	
1958	9.3	8.6	4.3	4.3	.7	18.3	16.9	1.4	.506	
1959	11.6	10.8	5.3	5.5	.8	20.9	19.4	1.4	.556	
1960	10.6	9.7	4.7	5.0	.9	19.1	17.5	1.6	.554	
1961	10.6	9.7	4.7	5.0	1.0	19.2	17.5	1.7	.553	
1962	12.1	11.0	4.8	6.2	1.1	20.6	18.8	1.8	.588	
1963	12.9	11.9	5.1	6.7	1.1	21.5	19.7	1.8	.603	
1964	13.8	12.7	5.1	7.5	1.1	22.2	20.3	1.8	.622	
1965	15.0	13.8	5.4	8.4	1.2	23.4	21.5	1.9	.643	
1966	14.8	13.5	5.4	8.1	1.3	22.8	20.8	2.1	.648	
1967	13.2	11.7	4.6	7.1	1.5	21.3	19.0	2.4	.619	
1968	12.9	11.4	5.1	6.3	1.5	20.8	18.3	2.5	.621	
1969	11.4	9.6	4.6	5.0	1.8	18.7	15.8	3.0	.609	
1970	9.1	7.0	3.4	3.6	2.2	16.1	12.3	3.8	.567	
1971	9.6	7.5	3.5	4.1	2.1	17.2	13.4	3.7	.561	
1972	10.1	8.1	3.6	4.5	2.0	17.5	14.0	3.5	.578	
1973	10.1	7.9	3.9	4.1	2.2	17.2	13.5	3.7	.588	
1974	7.9	5.6	3.4	2.2	2.3	14.9	10.6	4.3	.528	
1975	8.4	6.4	2.9	3.5	2.0	17.2	13.1	4.1	.488	
1976	9.0	7.2	3.4	3.8	1.8	17.7	14.2	3.4	.508	
1977	9.6	7.8	3.5	4.3	1.8	18.3	14.9	3.4	.524	
1978	9.3	7.5	3.4	4.0	1.8	17.7	14.2	3.5	.526	
1979	8.2	6.2	3.1	3.1	1.9	16.0	12.2	3.8	.513	
1980	7.1	4.9	2.6	2.2	2.2	14.5	10.0	4.5	.486	
1981	7.4	5.1	2.2	2.8	2.4	15.4	10.5	4.9	.481	
1982	6.1	3.6	1.5	2.1	2.5	13.5	8.0	5.5	.453	
1983	7.4	5.2	1.9	3.3	2.2	15.7	11.0	4.6	.474	
1984	9.1	6.7	2.2	4.5	2.4	17.8	13.1	4.7	.515	
1985	8.8	6.5	2.0	4.5	2.3	17.1	12.5	4.5	.518	
1986	8.4	6.0	2.1	3.9	2.5	16.2	11.4	4.7	.520	
1987	8.8	6.0	2.5	3.5	2.8	16.6	11.2	5.4	.531	
1988	9.4	6.3	2.7	3.6	3.2	17.3	11.5	5.8	.547	
1989	8.9	5.4	2.3	3.0	3.5	16.2	9.8	6.4	.551	

NOTE.—Columns 1-5 are percentages of the stock of net reproducible assets (structures, equipment, and inventories) valued at replacement cost. Columns 6-8 are percentages of domestic income. Column 9 is calculated as the ratio of column 4 to column 1.

Source: Table 10.

and inventories depends on its estimate of the total income stream that will flow from that investment. Given that estimate, the decision on whether to finance the investment out of equity or debt—that is, whether the income stream will take the form of profits or of interest—is a separate question, one presumably determined by financial considerations. (Rates of return can be calculated in many other ways; several are discussed in some detail in the April 1989 SURVEY.)

The ratio of property income to domestic income is property income's share—that is, the fraction of domestic

income that is not used to compensate labor. Property income's share is related to the rate of return by a third ratio—the ratio of domestic income to the value of net reproducible assets, which measures the average annual product per dollar of capital. (It should be noted that this ratio is not appropriate for use in productivity analysis; for productivity analysis, the denominator should measure capital services, not capital stock.)

All three ratios are plotted for 1970–89 in chart 6 and are reported, along with related ratios, for 1948–89 in ta-

ble 11. From the table, it seems clear that shifts in the rate of return (column 1) and in property income's share (column 6) occurred around 1970. The rate of return fell from an average of 12.6 percent in 1948–69 to an average of 8.6 percent in 1970–89; the share fell from an average of 21.4 percent to an average of 16.5 percent. These declines are traceable to profits; net interest's rate of return (column 5) and share (column 8) increased. The occurrence of the shifts at about the time that the ratios would be expected to fall for cyclical reasons complicates both the dating and the explanation of the shifts.

NATIONAL INCOME AND PRODUCT ACCOUNTS

Selected NIPA Tables

New estimates in this issue: First quarter 1990; for corporate profits and related items, fourth quarter and annual 1989, revised.

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

The tables shown are available the day of the GNP news release on printouts and diskettes on a subscription basis or from the Commerce Department's Economic Bulletin Board. Estimates for 1986-88 are in the July 1989 issue of the SURVEY; estimates for 1985 are in the July 1988 issue; estimates for 1984 are in the July 1987 issue; estimates for 1983 are in the July 1986 issue. Estimates for 1929-82 are in *National Income and Product Accounts, 1929-82: Statistical Tables*. For more information, write to National Income and Wealth Division (BE-54), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

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

Table 1.1.—Gross National Product

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	4,880.6	5,234.0	5,017.3	5,113.1	5,201.7	5,281.0	5,340.2	5,441.2
Personal consumption expenditures ¹	3,235.1	3,471.1	3,324.0	3,381.4	3,444.1	3,508.1	3,550.6	3,639.2
Durable goods.....	455.2	473.2	467.4	466.4	471.0	486.1	469.5	492.9
Non durable goods.....	1,052.3	1,123.4	1,078.4	1,098.3	1,121.5	1,131.4	1,142.4	1,166.9
Services	1,727.6	1,874.4	1,778.2	1,816.7	1,851.7	1,890.6	1,938.7	1,979.5
Gross private domestic investment	750.3	773.4	752.8	769.6	775.0	779.1	770.1	761.4
Fixed investment.....	719.6	746.3	734.1	742.0	747.6	751.7	744.0	764.9
Nonresidential	487.2	511.7	495.8	503.1	512.5	519.6	511.4	526.3
Structures.....	140.3	144.9	142.5	144.7	142.4	146.2	146.4	150.1
Producers' durable equipment.....	346.8	366.7	353.3	358.5	370.1	373.4	365.0	376.1
Residential.....	232.4	234.6	238.4	238.8	235.1	232.1	232.6	238.6
Change in business inventories.....	30.6	27.1	18.7	27.7	27.4	27.4	26.1	-3.5
Nonfarm	34.2	22.2	40.8	19.1	23.6	19.8	26.4	-8.9
Farm	-3.6	4.9	-22.2	8.6	3.8	7.5	-3	5.4
Net exports of goods and services ¹	-73.7	-47.1	-70.8	-54.0	-50.6	-45.1	-38.8	-40.1
Exports ¹	547.7	625.9	579.7	605.6	626.1	628.5	643.5	646.7
Imports ¹	621.3	673.0	650.5	659.6	676.6	673.6	682.3	686.7
Government purchases of goods and services	968.9	1,036.6	1,011.4	1,016.0	1,033.2	1,038.9	1,058.3	1,080.6
Federal.....	381.3	403.2	406.4	399.0	406.0	402.7	405.1	412.8
National defense	298.0	302.2	300.5	298.7	301.3	307.8	300.9	309.0
Nondefense.....	83.3	101.1	105.9	100.4	104.7	94.9	104.2	103.7
State and local	587.6	633.4	604.9	617.0	627.2	636.2	653.2	667.9

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

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

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	4,880.6	5,234.0	5,017.3	5,113.1	5,201.7	5,281.0	5,340.2	5,441.2
Final sales	4,850.0	5,206.9	4,998.7	5,085.4	5,174.3	5,253.6	5,314.2	5,444.7
Change in business inventories.....	30.6	27.1	18.7	27.7	27.4	27.4	26.1	-3.5
Goods	1,931.9	2,072.3	1,987.4	2,030.9	2,079.1	2,096.3	2,082.8	2,120.1
Final sales	1,901.3	2,045.1	1,968.7	2,003.2	2,051.7	2,068.9	2,056.7	2,123.6
Change in business inventories.....	30.6	27.1	18.7	27.7	27.4	27.4	26.1	-3.5
Durable goods	863.7	909.1	888.5	894.7	905.2	930.1	906.5	941.7
Final sales	838.6	897.3	856.5	872.8	899.2	924.9	892.2	947.7
Change in business inventories.....	25.0	11.8	32.0	22.0	6.0	5.2	14.2	-6.0
Nondurable goods	1,068.3	1,163.1	1,098.9	1,136.2	1,173.9	1,166.2	1,176.3	1,178.4
Final sales	1,062.6	1,147.9	1,112.2	1,130.5	1,152.5	1,144.0	1,164.5	1,175.9
Change in business inventories.....	5.6	15.3	-13.3	5.7	21.4	22.2	11.8	2.6
Services	2,499.2	2,702.7	2,570.0	2,620.8	2,667.5	2,728.1	2,794.2	2,845.2
Structures	449.5	459.1	459.9	461.3	455.1	456.6	463.2	475.9

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

Table 1.2.—Gross National Product in Constant Dollars

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	4,024.4	4,144.1	4,069.4	4,106.8	4,132.5	4,162.9	4,174.1	4,195.8
Personal consumption expenditures ¹	2,598.4	2,669.6	2,627.7	2,641.0	2,653.7	2,690.1	2,693.7	2,710.1
Durable goods.....	413.6	425.2	420.5	419.3	424.9	436.4	420.3	437.1
Nondurable goods.....	904.5	916.7	912.0	915.0	909.7	920.8	921.1	912.2
Services	1,280.2	1,327.7	1,295.2	1,306.7	1,319.0	1,332.9	1,352.2	1,360.7
Gross private domestic investment	715.8	720.7	709.1	721.1	719.8	724.6	717.3	710.9
Fixed investment.....	687.9	698.8	690.8	696.6	700.7	702.7	695.1	708.3
Nonresidential	493.8	510.3	492.7	501.0	511.4	517.9	510.8	520.2
Structures.....	122.2	120.0	121.4	121.1	118.1	120.4	120.3	121.8
Producers' durable equipment.....	371.6	390.3	371.3	379.9	393.2	397.6	390.6	398.4
Residential.....	194.1	188.5	198.1	195.6	189.3	184.8	184.3	188.1
Change in business inventories.....	27.9	21.9	18.3	24.5	19.1	21.9	22.2	2.6
Nonfarm	30.7	37.7	31.9	16.9	19.5	16.2	18.0	-2.5
Farm	-2.8	4.3	-13.6	7.6	-5	5.6	4.2	5.1
Net exports of goods and services ¹	-74.9	-52.6	-73.8	-55.0	-51.2	-57.1	-47.2	-41.2
Exports ¹	530.1	589.2	551.4	569.7	587.5	593.1	606.6	608.0
Imports ¹	605.0	641.8	625.2	624.6	638.7	650.2	653.8	649.2
Government purchases of goods and services	785.1	806.4	806.4	799.7	810.3	805.3	810.4	816.1
Federal.....	328.9	337.1	343.9	335.5	343.6	336.1	333.3	335.2
National defense	261.5	256.5	261.6	254.4	255.8	260.1	255.7	255.9
Nondefense.....	67.4	80.6	82.3	81.1	87.8	76.0	77.7	79.4
State and local	456.2	469.3	462.5	464.2	466.7	469.2	477.0	480.9

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

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

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	4,024.4	4,144.1	4,069.4	4,106.8	4,132.5	4,162.9	4,174.1	4,195.8
Final sales	3,996.5	4,122.2	4,051.0	4,082.3	4,113.5	4,141.0	4,151.9	4,193.2
Change in business inventories.....	27.9	21.9	18.3	19.1	21.9	22.2	2.6	2.6
Goods	1,771.6	1,837.1	1,789.4	1,823.2	1,843.9	1,851.3	1,830.2	1,840.9
Final sales	1,743.7	1,815.2	1,771.0	1,798.7	1,824.8	1,829.4	1,808.0	1,838.3
Change in business inventories.....	27.9	21.9	18.3	24.5	19.1	21.9	22.2	2.6
Durable goods	883.6	913.5	900.5	902.3	913.0	931.3	907.6	937.1
Final sales	860.9	904.0	872.4	884.2	908.0	927.2	896.7	941.5
Change in business inventories.....	22.7	9.5	28.1	18.1	5.0	4.2	10.9	-4.4
Nondurable goods	888.0	923.6	888.9	920.9	930.9	920.0	922.6	903.7
Final sales	882.8	911.2	898.6	914.5	916.8	902.3	911.4	896.8
Change in business inventories.....	5.2	12.4	-9.7	6.4	14.1	17.7	11.3	6.9
Services	1,873.5	1,935.9	1,896.7	1,905.1	1,919.9	1,945.0	1,97	

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	4,880.6	5,234.0	5,017.3	5,113.1	5,201.7	5,281.0	5,340.2	5,441.2
Less: Exports of goods and services	547.7	625.9	579.7	605.6	626.1	628.5	643.5	646.7
Plus: Imports of goods and services	621.3	673.0	650.5	659.6	676.6	673.6	682.3	686.7
Equals: Gross domestic purchases ²	4,954.3	5,281.1	5,088.1	5,167.1	5,252.3	5,326.1	5,379.0	5,481.2
Less: Change in business inventories	30.6	27.1	18.7	27.7	27.4	27.4	26.1	-3.5
Equals: Final sales to domestic purchasers ³	4,923.7	5,254.0	5,069.5	5,139.4	5,224.9	5,298.7	5,352.9	5,484.7

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

2. Purchases in the United States of goods and services wherever produced.

3. Final sales in the United States of goods and services wherever produced.

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

Table 1.7.—Gross National Product by Sector

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	4,880.6	5,234.0	5,017.3	5,113.1	5,201.7	5,281.0	5,340.2	5,441.2
Gross domestic product	4,847.3	5,198.4	4,982.9	5,078.5	5,170.8	5,247.4	5,296.7	5,404.0
Business.....	4,153.5	4,447.1	4,271.1	4,347.2	4,426.7	4,489.0	4,525.6	4,614.3
Nonfarm.....	4,087.1	4,386.0	4,225.5	4,280.0	4,356.0	4,431.3	4,476.7	4,555.5
Nonfarm less housing.....	3,685.6	3,954.2	3,813.5	3,862.7	3,932.5	3,992.9	4,028.6	4,101.4
Housing.....	401.5	431.8	412.0	417.2	423.5	438.5	448.2	454.1
Farm.....	76.1	85.5	62.3	91.3	89.0	83.2	78.7	88.6
Statistical discrepancy	-9.6	-24.4	-16.6	-24.1	-18.3	-25.5	-29.8	-29.8
Households and institutions.....	188.0	210.6	195.5	201.2	207.1	214.4	219.7	225.0
Private households.....	9.4	9.6	9.5	9.5	9.6	9.7	9.7	9.8
Nonprofit institutions.....	178.7	201.0	186.0	191.7	197.5	204.7	209.9	215.2
Government.....	505.8	540.6	516.3	530.1	536.9	544.0	551.5	564.7
Federal.....	159.3	169.6	160.8	168.3	169.1	170.1	171.1	178.0
State and local	346.5	371.0	355.5	361.8	367.9	373.9	380.4	386.7
Rest of the world	33.3	35.6	34.5	34.5	31.0	33.5	43.5	37.2
Addendum:								
Gross domestic business product less housing	3,744.3							

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

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	4,024.4	4,144.1	4,069.4	4,106.8	4,132.5	4,162.9	4,174.1	4,195.8
Less: Exports of goods and services	530.1	589.2	551.4	569.7	587.5	593.1	606.6	608.0
Plus: Imports of goods and services	605.0	641.8	625.2	624.6	638.7	650.2	653.8	649.2
Equals: Gross domestic purchases ²	4,099.3	4,196.7	4,143.2	4,161.8	4,183.7	4,220.0	4,221.4	4,237.0
Less: Change in business inventories	27.9	21.9	18.3	24.5	19.1	21.9	22.2	2.6
Equals: Final sales to domestic purchasers ³	4,071.4	4,174.8	4,124.9	4,137.3	4,164.7	4,198.2	4,199.2	4,234.4

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

2. Purchases in the United States of goods and services wherever produced.

3. Final sales in the United States of goods and services wherever produced.

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

Table 1.7.—Gross National Product by Sector

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	4,024.4	4,144.1	4,069.4	4,106.8	4,132.5	4,162.9	4,174.1	4,195.8
Gross domestic product	3,996.3	4,115.3	4,040.8	4,078.5	4,107.3	4,135.9	4,139.7	4,166.6
Business.....	3,482.9	3,586.9	3,521.7	3,555.7	3,580.7	3,605.1	3,630.1	3,660.1
Nonfarm.....	3,418.2	3,529.0	3,474.2	3,494.5	3,518.6	3,549.7	3,553.3	3,576.5
Nonfarm less housing.....	3,127.9	3,232.7	3,181.7	3,200.8	3,223.1	3,252.6	3,254.5	3,276.0
Housing.....	290.3	296.3	292.5	293.8	295.5	297.1	298.8	300.5
Farm.....	72.7	77.5	61.2	80.8	76.9	76.0	76.5	77.1
Statistical discrepancy	-8.0	-19.7	-13.7	-19.7	-14.8	-20.5	-23.7	-23.4
Households and institutions.....	137.3	146.3	140.5	142.7	145.4	148.0	149.2	150.6
Private households.....	8.8	9.0	8.9	8.9	8.9	9.0	9.0	9.0
Nonprofit institutions.....	128.4	137.4	131.6	133.8	136.5	139.0	140.1	141.6
Government.....	376.1	382.1	378.6	380.1	381.2	382.7	384.5	385.9
Federal.....	125.2	126.9	126.0	126.4	126.5	127.0	127.6	128.2
State and local	250.9	255.2	252.7	253.7	254.7	255.7	256.9	257.7
Rest of the world	28.1	28.8	28.5	28.3	25.2	27.0	34.4	29.2
Addendum:								
Gross domestic business product less housing	3,183.7							

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

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	4,880.6	5,234.0	5,017.3	5,113.1	5,201.7	5,281.0	5,340.2	5,441.2
Less: Capital consumption allowances with capital consumption adjustment ..	513.6	552.3	524.1	533.0	541.0	565.2	570.1	562.0
Capital consumption allowances without capital consumption adjustment ..	526.4	539.1	531.3	532.7	533.6	544.8	545.4	536.6
Less: Capital consumption adjustment ..	12.8	-13.2	7.1	-3	-7.3	-20.5	-24.7	-25.4
Equals: Net national product	4,367.1	4,681.7	4,493.2	4,580.1	4,660.8	4,715.7	4,770.1	4,879.2
Less: Indirect business tax and nontax liability	393.5	417.0	402.7	407.7	413.4	421.5	425.2	433.1
Business transfer payments	29.0	31.8	30.1	30.8	31.5	32.2	32.9	33.6
Statistical discrepancy	-9.6	-24.4	-16.6	-24.1	-18.3	-25.5	-29.8	.....
Plus: Subsidies less current surplus of government enterprises	18.5	9.2	20.4	19.5	15.5	-3	2.2	9.7
Equals: National income	3,972.6	4,266.5	4,097.4	4,185.2	4,249.6	4,287.3	4,344.0	.....
Less: Corporate profits with inventory valuation and capital consumption adjustments	328.6	301.3	340.2	316.3	307.8	295.2	285.9	.....
Net interest	392.9	460.8	415.7	436.1	458.4	471.5	477.2	478.4
Contributions for social insurance	444.6	479.2	455.2	469.7	476.4	482.0	488.7	504.7
Wage accruals less disbursements	0	0	0	0	0	0	0	0
Plus: Government transfer payments to persons	555.7	600.5	563.7	585.6	595.3	604.2	616.8	637.5
Personal interest income	571.1	657.4	598.6	629.0	655.1	667.8	677.7	684.4
Personal dividend income	102.2	112.4	106.4	109.4	111.4	113.2	115.7	118.0
Business transfer payments	29.0	31.8	30.1	30.8	31.5	32.2	32.9	33.6
Equals: Personal income	4,064.5	4,427.3	4,185.2	4,317.8	4,400.3	4,455.9	4,535.3	4,634.7

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

[Billions of 1982 dollars]

	1988	1989	1990	1991	1992
Gross national product	4,024.4	4,144.1	4,069.4	4,106.8	4,132.5
Less: Capital consumption allowances with capital consumption adjustment ..	480.2	508.4	488.1	493.5	498.9
Equals: Net national product	3,544.2	3,635.7	3,581.2	3,613.3	3,633.6
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	327.8	333.9	331.2	331.3	331.8
Statistical discrepancy	-8.0	-19.7	-13.7	-19.7	-14.8
Equals: National income	3,224.5	3,321.6	3,263.7	3,301.6	3,316.6

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

[Billions of 1982 dollars]

	1988	1989	1990	1991	1992
Gross national product	4,024.4	4,144.1	4,069.4	4,106.8	4,132.5
Less: Net exports of goods and services	-74.9	-52.6	-73.8	-55.0	-51.2
Exports	530.1	589.2	551.4	569.7	587.5
Imports	605.0	641.8	625.2	624.6	638.7
Equals: Gross domestic purchases	4,099.3	4,196.7	4,143.2	4,161.8	4,183.7
Plus: Command-basis net exports of goods and services	-71.7	-44.9	-68.0	-51.1	-47.7
Command-basis exports ¹	533.3	596.9	557.2	573.5	590.9
Imports	605.0	641.8	625.2	624.6	638.7
Equals: Command-basis gross national product	4,027.5	4,151.8	4,075.2	4,110.7	4,136.0
Addendum:					
Terms of trade ²	100.6	101.2	101.1	100.7	100.7
	102.3	101.6	100.6	102.3	101.6

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

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

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

Table 1.14.—National Income by Type of Income

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
National income	3,972.6	4,266.5	4,097.4	4,185.2	4,249.6	4,287.3	4,344.0	.....
Compensation of employees	2,907.6	3,144.4	2,997.2	3,061.7	3,118.2	3,171.9	3,225.9	3,282.3
Wages and salaries	2,429.0	2,631.1	2,505.1	2,560.7	2,608.8	2,654.7	2,700.1	2,744.1
Government and government enterprises	446.5	476.9	456.3	466.9	473.5	480.2	487.0	496.9
Other	1,982.5	2,154.2	2,048.9	2,093.8	2,135.3	2,174.5	2,213.1	2,247.2
Supplements to wages and salaries	478.6	513.3	492.0	501.0	509.4	517.2	525.8	538.2
Employer contributions for social insurance	249.7	265.0	255.6	259.7	263.4	266.6	270.4	278.2
Other labor income	228.9	248.3	236.5	241.3	246.0	250.7	255.3	260.0
Proprietors' income with inventory valuation and capital consumption adjustments	327.8	352.1	328.3	359.3	355.5	343.3	350.3	374.6
Farm	39.8	46.2	32.0	59.0	51.3	36.1	38.5	51.9
Proprietors' income with inventory valuation adjustment	47.3	53.4	39.2	66.2	58.4	43.5	45.5	59.0
Capital consumption adjustment	-7.5	-7.2	-7.2	-7.2	-7.1	-7.5	-7.1	-7.0
Nonfarm	288.0	305.9	296.3	300.3	304.2	307.2	311.8	322.7
Proprietors' income	259.2	280.4	267.8	274.4	278.7	281.0	287.3	298.7
Inventory valuation adjustment	-1.5	-1.3	-1.3	-2.5	-1.9	0	-7	-1.2
Capital consumption adjustment	30.3	26.8	29.8	28.5	27.4	26.2	25.2	25.2
Rental income of persons with capital consumption adjustment	15.7	7.9	16.1	11.8	9.8	5.4	4.8	8.9
Rental income of persons	65.4	62.8	66.1	62.9	62.5	63.8	62.0	63.1
Capital consumption adjustment	-49.8	-54.9	-49.9	-51.1	-52.7	-58.4	-57.2	-54.2
Corporate profits with inventory valuation and capital consumption adjustments	328.6	301.3	340.2	316.3	307.8	295.2	285.9	.....
Corporate profits with inventory valuation adjustment	281.8	272.0	298.7	279.7	275.5	268.7	264.0	.....
Profits before tax	306.8	290.7	318.8	318.8	296.0	275.0	273.7	.....
Profits tax liability	137.9	129.7	143.2	144.4	134.9	122.6	116.9	.....
Profits after tax	168.9	161.0	175.6	173.6	161.1	152.4	156.7	.....
Dividends	110.4	122.1	115.2	118.5	120.9	123.3	125.6	128.1
Undistributed profits	58.5	38.9	60.4	55.1	40.2	29.1	31.1	.....
Inventory valuation adjustment	-25.0	-18.7	-20.1	-38.3	-20.5	-6.3	-9.7	-12.6
Capital consumption adjustment	46.8	29.3	41.5	36.6	32.3	26.5	21.9	18.0
Net interest	392.9	460.8	415.7	436.1	458.4	471.5	477.2	478.4
Addenda:								
Corporate profits after tax with inventory valuation and capital consumption adjustments	190.7	171.6	196.9	171.9	172.9	172.6	168.9	.....
Net cash flow with inventory valuation and capital consumption adjustments	402.0	394.4	411.5	388.6	391.7	399.3	398.3	.....
Undistributed profits with inventory valuation and capital consumption adjustments	80.3	49.5	81.7	53.4	52.0	49.3	43.3	.....
Capital consumption allowances with capital consumption adjustment	321.7	344.9	329.7	335.2	339.7	349.9	354.9	353.7
Less: Inventory valuation adjustment	-25.0	-18.7	-20.1	-38.3	-20.5	-6.3	-9.7	-12.6
Equals: Net cash flow	427.0	413.2	431.6	426.9	412.2	405.6	408.0	.....

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

	1988	1989	Seasonally adjusted at annual rates								
			1988		1989			1990			
			IV	I	II	III	IV	I			
Billions of dollars											
Gross domestic product of corporate business											
Capital consumption allowances with capital consumption adjustment	321.7	344.9	329.7	335.2	339.7	349.9	354.9	353.7			
Net domestic product	2,633.3	2,796.4	2,718.9	2,743.4	2,786.4	2,818.6	2,837.1				
Indirect business tax and nontax liability plus business transfer payments less subsidies	278.6	295.8	284.8	288.5	293.1	300.2	301.3	307.0			
Domestic income	2,354.7	2,500.6	2,434.0	2,454.9	2,493.3	2,518.4	2,535.7				
Compensation of employees	1,951.2	2,104.4	2,012.0	2,050.6	2,087.7	2,122.3	2,157.1	2,189.5			
Wages and salaries	1,640.5	1,775.8	1,691.9	1,730.2	1,761.6	1,791.2	1,820.4	1,846.0			
Supplements wages and salaries	310.7	328.6	320.0	320.4	326.1	331.2	336.6	343.5			
Corporate profits with inventory valuation and capital consumption adjustments	285.0	253.5	293.7	269.7	264.2	249.5	230.5				
Profits before tax	263.2	242.9	272.3	271.5	252.4	229.3	218.3				
Profits tax liability	137.9	129.7	143.2	144.4	134.9	122.6	116.9				
Profits after tax	125.3	113.1	129.1	127.1	117.4	106.6	101.4				
Dividends	84.2	96.3	87.2	102.0	96.8	99.0	87.5	99.9			
Undistributed profits	41.1	16.8	41.9	25.0	20.6	7.6	13.9				
Inventory valuation adjustment	-25.0	-18.7	-20.1	-38.3	-20.5	-6.3	-9.7	-12.6			
Capital consumption adjustment	46.8	29.3	41.5	36.6	32.3	26.5	21.9	18.0			
Net interest	118.6	142.7	128.4	134.5	141.4	146.5	148.1	148.9			
Gross domestic product of financial corporate business	223.7	234.4	232.2	235.8	238.9	232.3	230.5				
Gross domestic product of nonfinancial corporate business	2,731.3	2,906.9	2,816.4	2,842.7	2,887.2	2,936.2	2,961.4				
Capital consumption allowances with capital consumption adjustment	297.1	317.2	303.6	308.4	312.2	321.9	326.4	324.5			
Net domestic product	2,434.2	2,589.7	2,512.8	2,534.4	2,575.0	2,614.3	2,635.0				
Indirect business tax and nontax liability plus business transfer payments less subsidies	260.0	276.2	265.9	269.3	273.7	280.3	281.3	286.5			
Domestic income	2,174.2	2,313.5	2,246.9	2,265.0	2,301.3	2,334.0	2,353.7				
Compensation of employees	1,799.1	1,938.4	1,854.6	1,889.3	1,923.1	1,954.3	1,987.0	2,016.7			
Wages and salaries	1,511.2	1,634.2	1,558.1	1,592.5	1,621.2	1,647.8	1,675.4	1,698.8			
Supplements to wages and salaries	287.9	304.2	296.5	296.7	301.9	306.5	311.6	317.9			
Corporate profits with inventory valuation and capital consumption adjustments	249.3	226.2	258.2	235.3	230.5	226.7	212.1				
Profits before tax	233.4	220.7	242.2	242.2	223.8	211.5	205.3				
Profits tax liability	105.4	99.3	109.4	110.6	100.6	94.7	91.3				
Profits after tax	128.0	121.4	132.8	131.6	123.1	116.8	114.1				
Dividends	83.0	93.2	86.4	98.3	93.7	96.0	84.7	97.1			
Undistributed profits	45.0	28.2	46.5	33.3	29.4	20.8	29.4				
Inventory valuation adjustment	-25.0	-18.7	-20.1	-38.3	-20.5	-6.3	-9.7	-12.6			
Capital consumption adjustment	40.9	24.2	36.1	31.5	27.3	21.5	16.4	13.2			
Net interest	125.8	148.9	134.0	140.4	147.6	152.9	154.6	155.4			
Billions of 1982 dollars											
Gross domestic product of nonfinancial corporate business	2,419.5	2,481.5	2,453.2	2,459.1	2,471.3	2,497.2	2,498.5				
Capital consumption allowances with capital consumption adjustment	279.3	292.8	283.2	285.9	288.8	296.7	299.8	296.8			
Net domestic product	2,140.2	2,188.7	2,170.0	2,173.2	2,182.5	2,200.4	2,198.6				
Indirect business tax and nontax liability plus business transfer payments less subsidies	209.2	213.2	211.9	211.3	211.8	214.4	215.1	213.3			
Domestic income	1,931.0	1,975.6	1,958.1	1,961.9	1,970.8	1,986.0	1,983.5				

Table 1.17.—Auto Output

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Auto output	129.9	132.4	132.0	134.5	131.7	135.8	127.6	122.2
Final sales	128.8	130.7	130.1	123.9	135.4	141.8	121.9	137.0
Personal consumption expenditures	144.2	143.4	146.6	142.7	144.5	150.9	135.5	148.7
New autos	101.2	100.4	102.4	99.8	101.1	110.8	89.8	102.3
Net purchases of used autos	43.0	43.1	44.2	42.9	43.5	40.2	45.7	46.3
Producers' durable equipment	21.4	20.8	21.2	19.0	23.4	23.6	17.0	19.9
New autos	51.3	50.7	52.3	47.7	54.7	53.7	46.9	50.1
Net purchases of used autos	-29.9	-30.0	-31.1	-28.7	-31.3	-30.1	-29.9	-30.2
Exports	8.7	9.5	9.2	9.7	8.7	9.1	10.6	9.4
Imports	47.1	44.5	48.5	49.2	43.1	43.4	42.5	42.5
Government purchases of goods and services	1.6	1.6	1.5	1.7	1.9	1.5	1.3	1.6
Change in business inventories of new and used autos	1.1	1.7	1.9	10.5	-3.7	-5.9	5.7	-14.8
New	.5	1.8	1.5	11.1	-3.9	-7.9	7.8	-11.9
Used	.6	-1	.4	-5	.2	2.0	-2.1	-3.0
Addenda:								
Domestic output of new autos ¹	101.6	104.4	107.6	106.9	107.1	102.9	100.6	90.1
Sales of imported new autos ²	60.8	58.9	58.5	57.2	60.4	62.6	55.2	58.2

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

Table 1.18.—Auto Output in Constant Dollars

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Auto output	108.9	109.1	110.1	110.9	109.3	112.0	104.4	97.6
Final sales	108.6	108.2	109.5	103.2	111.5	117.9	100.4	111.3
Personal consumption expenditures	117.0	114.7	117.9	113.8	115.4	121.7	108.0	117.9
New autos	84.4	82.1	84.6	81.6	82.4	91.2	73.1	82.0
Net purchases of used autos	32.7	32.6	33.4	32.2	33.0	30.5	34.9	35.9
Producers' durable equipment	18.3	17.4	18.1	16.2	19.5	20.0	14.0	15.6
New autos	42.8	41.5	43.2	39.0	44.6	44.2	38.1	40.2
Net purchases of used autos	-24.5	-24.1	-25.1	-22.8	-25.0	-24.2	-24.2	-24.6
Net exports of goods and services	-28.1	-25.3	-27.9	-28.3	-25.1	-25.1	-22.8	-23.3
Exports	7.1	7.5	7.5	7.8	6.9	7.1	8.3	7.2
Imports	35.2	32.8	35.4	36.1	32.0	32.2	31.1	30.8
Government purchases of goods and services	1.4	1.4	1.4	1.4	1.6	1.3	1.2	1.4
Change in business inventories of new and used autos	.4	.9	.6	7.7	-2.1	-5.9	4.0	-13.7
New	-.1	1.1	.3	8.2	-2.2	-7.4	5.8	-11.3
Used	.5	-2	.3	-5	.1	1.5	-1.8	-2.5
Addenda:								
Domestic output of new autos ¹	84.5	84.7	88.6	86.9	87.1	83.6	81.2	70.8
Sales of imported new autos ²	50.7	48.1	48.3	46.7	49.2	51.5	45.0	46.7

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

Table 1.19.—Truck Output

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Truck output ¹	66.3	65.9	71.2	70.3	68.1	62.9	62.3	58.6
Final sales	65.9	65.2	67.0	65.5	65.6	69.2	60.3	64.6
Personal consumption expenditures	29.2	30.7	29.8	30.3	29.8	34.0	28.8	30.8
Producers' durable equipment	36.7	35.3	38.9	35.7	36.5	36.2	32.7	33.1
Net exports of goods and services	-5.6	-6.4	-6.9	-6.3	-6.3	-6.3	-6.6	-5.1
Exports	3.8	3.5	3.7	3.9	3.1	3.5	3.6	3.3
Imports	9.5	9.9	10.5	10.2	9.4	9.8	10.1	8.4
Government purchases of goods and services	5.7	5.5	5.2	5.8	5.7	5.4	5.3	5.8
Change in business inventories	.4	.7	4.2	4.8	2.6	-6.4	2.0	-6.0

1. Includes new trucks only.

Table 2.1.—Personal Income and Its Disposition

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Personal income	4,064.5	4,427.3	4,185.2	4,317.8	4,400.3	4,455.9	4,535.3	4,634.7
Wage and salary disbursements	2,429.0	2,631.1	2,505.1	2,560.7	2,608.8	2,654.7	2,700.1	2,744.1
Commodity-producing industries	696.3	738.2	714.7	726.6	733.7	742.6	749.7	753.4
Manufacturing	524.0	552.9	538.1	546.3	549.9	555.7	559.6	560.1
Distributive industries	571.9	615.1	587.5	598.8	610.8	619.4	631.2	644.1
Service industries	714.4	801.0	746.7	768.4	790.8	812.4	832.2	849.8
Government and government enterprises	446.5	476.9	456.3	466.9	473.5	480.2	487.0	496.9
Other labor income	228.9	248.3	236.5	241.3	246.0	250.7	255.3	260.0
Proprietors' income with inventory valuation and capital consumption adjustments	327.8	352.1	328.3	359.3	355.5	343.3	350.3	374.6
Farm	39.8	46.2	32.0	59.0	51.3	36.1	38.5	51.9
Nonfarm	288.0	305.9	296.3	300.3	304.2	307.2	311.8	322.7
Rental income of persons with capital consumption adjustment	15.7	7.9	16.1	11.8	9.8	5.4	4.8	8.9
Personal dividend income	102.2	112.4	106.4	109.4	111.4	113.2	115.7	118.0
Personal interest income	571.1	657.4	598.6	629.0	655.1	667.8	677.7	684.4
Transfer payments	584.7	632.3	593.8	616.4	626.8	636.4	649.7	671.1
Old-age, survivors, disability, and health insurance benefits	300.5	325.3	304.0	316.9	322.9	327.9	333.4	345.6
Government unemployment insurance benefits	13.0	14.3	12.5	13.5	14.1	14.5	15.0	15.8
Veterans benefits	17.0	17.3	17.0	17.6	17.5	17.3	16.9	17.8
Government employees retirement benefits	82.7	88.5	83.7	86.9	88.1	88.9	90.1	93.6
Other transfer payments	171.5	186.9	176.9	181.5	184.2	187.7	194.4	198.4
Aid to families with dependent children	17.2	17.9	17.5	17.6	17.7	18.0	18.4	18.8
Other	154.3	169.0	159.0	163.9	166.4	169.7	176.0	179.5
Less: Personal contributions for social insurance	194.9	214.2	199.6	210.0	213.0	215.4	218.2	226.5
Less: Personal tax and nontax payments	586.6	648.5	597.8	628.3	652.6	649.1	664.1	673.5
Equals: Disposable personal income	3,477.8	3,778.8	3,587.4	3,689.5	3,747.7	3,806.8	3,871.3	3,961.2
Less: Personal outlays	3,333.1	3,574.4	3,424.0	3,483.8	3,547.0	3,611.7	3,655.3	3,745.7
Personal consumption expenditures	3,235.1	3,471.1	3,324.0	3,381.4	3,444.1	3,508.1	3,550.6	3,639.2
Interest paid by consumers to business	96.1	101.7	98.1	100.1	101.5	102.0	103.1	104.6
Personal transfer payments to foreigners (net)	1.9	1.7	1.9	2.2	1.4	1.6	1.5	1.9
Equals: Personal saving	144.7	204.4	163.4	205.7	200.7	195.1	216.0	215.5
Addenda:								
Disposable personal income:								
Total, billions of 1982 dollars	2,793.2	2,906.3	2,835.9	2,881.7	2,887.6	2,919.2	2,936.9	2,949.8
Per capita:								
Current dollars	14,116	15,186	14,504	14,884	15,084	15,280	15,495	15,819
1982 dollars	11,337	11,680	11,466	11,625	11,622	11,717	11,755	11,780
Population (mid-period, millions)	246.4	248.8	247.3	247.9	248.5	249.1	249.8	250.4
Personal saving as percentage of disposable personal income	4.2	5.4	4.6	5.6	5.4	5.1	5.6	5.4

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

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Table 1.20.—Truck Output in Constant Dollars

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Truck output ¹	55.7	53.3	58.3	57.0	55.4	51.3	49.7	46.7
Final sales	55.3	52.8	54.9	53.3	53.5	56.3	48.2	51.4
Personal consumption expenditures	24.6	25.0	24.8	24.8	24.4	27.8	23.2	24.3
Producers' durable equipment	30.8	28.5	31.6	29.0	29.6	29.3	26.0	26.5
Net exports of goods and services	-4.7	-5.2	-5.7	-5.1	-5.1	-5.2	-4.1	-4.1
Exports	3.2	2.8	3.0	3.2	2.5	2.8	2.8	2.6
Imports	7.9	8.0	8.7	8.3	7.6	8.0	8.1	6.7
Government purchases of goods and services	4.7	4.5	4.2	4.7	4.6	4.4	4.2	4.6
Change in business inventories	.3	.5	3.3	3.7	1.9	-5.0	1.5	-4.7

1. Includes new trucks only.

Table 2.2.—Personal Consumption Expenditures by Major Type of Product

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Personal consumption expenditures ¹	3,235.1	3,471.1	3,324.0	3,381.4	3,444.1	3,508.1	3,550.6	3,639.2
Durable goods	455.2	473.2	467.4	466.4	471.0	486.1	469.5	492.9
Motor vehicles and parts	211.6	213.9	215.3	211.7	212.9	225.6	205.3	221.4
Furniture and household equipment	162.0	173.6	166.1	172.1	173.5	173.9	174.8	182.3
Other	81.6	85.8	86.0	82.6	84.6	86.7	89.4	89.1
Nondurable goods	1,052.3	1,123.4	1,078.4	1,098.3	1,121.5	1,131.4	1,142.4	1,166.9
Food	559.7	594.9	574.1	587.3	592.2	598.1	601.8	615.6
Clothing and shoes	186.8	200.1	193.9	195.0	198.9	202.2	204.3	208.2
Gasoline and oil	76.8	84.0	77.6	77.9	89.5	85.2	83.2	85.2
Other nondurable goods	229.0	244.5	232.8	238.1	241.0	245.9	253.1	257.8
Fuel oil and coal	19.5	20.4	19.7	18.7	19.6	19.9	23.4	20.7
Other	209.5	224.1	213.1	219.4	221.4	226.0	229.6	237.2
Services ¹	1,727.6	1,874.4	1,778.2	1,816.7	1,851.7	1,890.6	1,938.7	1,979.5
Housing	501.3	534.0	513.0	520.2	527.7	538.4	549.8	558.5
Household operation	197.6	204.4	202.4	201.1	202.3	202.4	206.4	206.4
Electricity and gas	93.7	95.6	95.8	93.6	94.6	93.6	100.8	93.9
Other	104.0	108.7	106.6	107.5	107.7	108.8	110.9	112.5
Transportation	117.9	126.5	121.5	124.4	125.6	126.7	129.5	134.7
Medical care	398.3	452.8	417.4	432.3	445.1	459.1	474.6	491.4
Other ¹	512.4	556.7	523.9	538.7	551.0	564.0	573.1	588.5

1. See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Personal consumption expenditures ¹	2,598.4	2,669.6	2,627.7	2,641.0				

Table 3.2.—Federal Government Receipts and Expenditures

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Receipts	972.4	1,047.2	994.6	1,036.2	1,053.2	1,043.2	1,056.1	.....
Personal tax and nontax receipts	413.0	460.4	420.3	446.8	465.1	459.1	470.8	478.0
Income taxes	403.5	449.7	410.7	437.0	453.3	448.7	459.9	466.4
Estate and gift taxes	7.9	9.0	8.0	8.1	10.1	8.6	9.1	9.7
Nontaxes	1.6	1.8	1.6	1.7	1.8	1.8	1.8	1.9
Corporate profits tax accruals	111.4	105.5	115.8	117.0	109.7	99.9	95.4	.....
Federal Reserve banks	17.4	19.8	18.6	19.5	20.3	19.6	19.7	.....
Other	94.1	85.7	97.3	97.5	89.4	80.3	75.7	.....
Indirect business tax and nontax accruals	56.7	58.7	57.8	58.0	58.2	59.4	59.3	60.3
Excise taxes	34.2	35.2	35.1	35.1	35.2	35.4	36.5	.....
Customs duties	16.4	17.5	16.9	17.1	17.2	17.7	18.0	17.9
Nontaxes	6.1	6.1	5.8	5.9	5.9	6.6	5.9	5.9
Contributions for social insurance	391.3	422.5	400.6	414.3	420.2	424.8	430.6	445.7
Expenditures	1,118.3	1,195.7	1,162.1	1,183.7	1,198.4	1,187.9	1,212.6	1,250.9
Purchases of goods and services	381.3	403.2	406.4	399.0	406.0	402.7	405.1	412.8
National defense	298.0	302.2	300.5	298.7	301.3	307.8	300.9	309.0
Nondefense	83.3	101.1	105.9	104.4	104.7	94.9	104.2	103.7
Transfer payments	438.2	472.7	447.6	460.4	466.9	475.6	488.1	501.6
To persons	425.4	459.0	429.4	448.9	455.7	461.6	469.9	487.6
To foreigners	12.9	13.7	18.2	11.5	11.1	14.1	18.2	14.0
Grants-in-aid to State and local governments	111.4	119.4	112.2	118.7	118.4	118.3	122.1	125.5
Net interest paid	151.4	171.2	157.0	167.0	172.0	171.2	174.8	179.9
Interest paid	173.8	192.1	178.3	187.4	191.9	193.1	196.1	201.5
To persons and business	144.8	158.5	147.2	154.9	157.6	159.1	162.3	167.5
To foreigners	29.1	33.7	31.1	32.5	34.4	33.9	33.8	34.0
Less: Interest received by government	22.4	20.9	21.2	20.4	20.0	21.9	21.4	21.6
Subsidies less current surplus of government enterprises	36.0	29.1	38.9	38.5	35.3	20.1	22.6	31.1
Subsidies	28.9	27.0	35.9	34.2	28.5	18.3	27.0	32.7
Less: Current surplus of government enterprises	-7.1	-2.1	-3.0	-4.3	-6.8	-1.8	4.4	1.6
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (-), national income and product accounts	-145.8	-148.5	-167.6	-147.5	-145.4	-144.7	-156.5	.....
Social insurance funds	54.8	64.1	63.6	62.7	63.7	64.3	65.7	67.2
Other	-200.6	-212.6	-231.2	-210.1	-209.1	-209.0	-222.3	.....

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Government purchases of goods and services	968.9	1,036.6	1,011.4	1,016.0	1,033.2	1,038.9	1,058.3	1,080.6
Federal	381.3	403.2	406.4	399.0	406.0	402.7	405.1	412.8
National defense	298.0	302.2	300.5	298.7	301.3	307.8	300.9	309.0
Durable goods	83.9	82.1	85.1	82.7	82.8	84.5	78.1	81.0
Non durable goods	10.9	11.1	11.1	10.8	11.7	11.0	10.8	10.4
Services	196.1	202.6	197.4	198.8	200.5	205.4	207.1	210.9
Compensation of employees	113.2	119.8	113.7	119.1	119.4	120.0	120.6	124.7
Military	76.0	79.3	76.2	79.1	79.0	79.3	79.6	82.6
Civilian	37.2	40.5	37.6	40.0	40.4	40.7	41.0	42.1
Other services	82.9	82.9	83.6	79.8	81.2	85.4	85.1	86.2
Structures	7.0	6.4	7.0	6.3	6.3	6.8	6.3	6.7
Nondefense	83.3	101.1	105.9	100.4	104.7	94.9	104.2	103.7
Durable goods	4.6	5.1	4.9	5.2	5.3	4.9	5.0	5.5
Non durable goods	-8.2	2.9	11.0	3.8	5.9	-3.1	4.9	-4.4
Commodity Credit Corporation inventory change	-15.6	-4.0	4.1	-3.8	-10.0	-10.0	-14.4	-6.9
Other nondurables	7.4	6.9	6.9	7.6	6.9	6.8	6.3	6.5
Services	80.0	85.9	83.6	84.9	86.6	86.0	86.3	90.8
Compensation of employees	46.1	49.9	47.1	49.2	49.7	50.1	50.5	53.3
Other services	33.9	36.1	36.5	35.7	37.0	35.9	35.8	37.5
Structures	6.8	7.1	6.5	6.5	6.9	7.1	8.0	7.9
State and local	587.6	633.4	604.9	617.0	627.2	636.2	653.2	667.9
Durable goods	29.4	32.8	30.6	31.5	32.3	33.1	34.1	34.6
Non durable goods	46.9	52.6	48.3	50.6	52.4	52.7	54.5	56.0
Services	442.1	475.5	453.9	463.2	471.3	479.3	488.0	497.7
Compensation of employees	346.5	371.0	355.5	361.8	367.9	373.9	380.4	386.7
Other services	93.6	104.5	98.4	101.4	103.5	105.4	107.7	111.0
Structures	69.3	72.6	72.2	71.6	71.1	71.0	76.7	79.5

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Receipts	701.6	746.6	716.5	732.6	742.6	750.3	760.9	.....
Personal tax and nontax receipts	173.7	188.1	177.5	181.5	187.5	190.0	193.2	195.5
Income taxes	88.5	97.4	90.3	92.9	97.6	98.7	100.4	101.2
Nontaxes	70.3	74.9	72.0	73.2	74.3	75.5	76.7	78.0
Other	14.8	15.7	15.1	15.3	15.6	15.8	16.1	16.3
Corporate profits tax accruals	26.5	24.2	27.4	25.2	22.8	21.5	21.5	.....
Indirect business tax and nontax accruals	336.8	358.2	344.9	349.7	355.3	362.1	366.0	372.8
Sales taxes	160.5	170.8	164.8	166.8	169.4	173.1	173.8	177.3
Property taxes	131.0	140.3	134.5	136.8	139.1	141.4	143.7	146.3
Other	45.2	47.2	45.7	46.1	46.7	47.5	48.4	49.2
Contributions for social insurance	53.3	56.7	54.6	55.4	56.2	57.1	58.1	59.0
Federal grants-in-aid	111.4	119.4	112.2	118.7	118.4	118.3	122.1	125.5
Expenditures	651.9	702.6	670.8	683.8	695.1	705.5	726.1	741.8
Purchases of goods and services	587.6	633.4	604.9	617.0	627.2	636.2	653.2	667.9
Compensation of employees	346.5	371.0	355.5	361.8	367.9	373.9	380.4	386.7
Other	241.2	262.4	255.1	259.3	262.2	272.9	281.2	281.2
Transfer payments to persons	130.3	141.5	134.3	136.7	139.6	142.7	146.9	150.0
Net interest paid	-40.3	-42.7	-41.1	-41.7	-42.3	-43.0	-43.6	-44.5
Interest paid	59.9	65.9	62.2	63.7	65.1	66.6	68.1	69.5
Less: Interest received by government	100.2	108.5	103.3	105.4	107.5	109.6	111.7	114.0
Less: Dividends received by government	8.3	9.7	8.8	9.1	9.5	10.1	10.0	10.1
Subsidies less current surplus of government enterprises	-17.5	-19.9	-18.5	-19.0	-19.8	-20.4	-20.4	-21.4
Subsidies .....	.7	.8	.8	.8	.8	.8	.8	.8
Less: Current surplus of government enterprises	18.3	20.7	19.3	19.8	20.6	21.1	21.2	22.2
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (-), national income and product accounts	49.7	44.0	45.7	48.8	47.5	44.9	34.7	.....
Social insurance funds	71.1	78.0	73.8	75.4	77.1	79.1	80.5	82.3
Other	-21.4	-34.1	-28.1	-26.6	-29.6	-34.3	-45.7	.....

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					

Table 3.9.—National Defense Purchases of Goods and Services

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
National defense purchases	298.0	302.2	300.5	298.7	301.3	307.8	300.9	309.0
Durable goods.....	83.9	82.1	85.1	82.7	82.8	84.5	78.1	81.0
Military equipment.....	72.9	72.1	74.3	72.9	72.2	74.4	68.8	71.7
Aircraft.....	29.3	26.7	30.5	27.7	26.0	25.6	27.5	25.4
Missiles.....	12.4	13.6	13.3	12.9	14.3	14.2	13.1	13.5
Ships.....	8.4	9.9	9.3	10.2	9.0	10.3	9.9	10.3
Vehicles.....	4.2	3.5	3.7	3.7	3.4	3.8	3.0	3.4
Electronic equipment.....	6.0	6.3	6.5	5.9	6.3	7.2	6.0	7.6
Other.....	12.5	12.1	10.9	12.5	13.1	13.3	9.4	11.6
Other durable goods.....	11.0	9.9	10.7	9.8	10.6	10.1	9.3	9.3
Nondurable goods.....	10.9	11.1	11.1	10.8	11.7	11.0	10.8	10.4
Petroleum products.....	4.4	4.7	4.7	4.6	4.6	4.4	5.3	4.9
Ammunition.....	3.9	3.7	3.8	3.6	4.2	3.9	3.0	3.0
Other nondurable goods.....	2.6	2.7	2.6	2.7	2.9	2.7	2.5	2.5
Services.....	196.1	202.6	197.4	198.8	200.5	205.4	205.7	210.9
Compensation of employees.....	113.2	119.8	113.7	119.1	119.4	120.0	120.6	124.7
Military.....	76.0	79.3	76.2	79.1	79.0	79.3	79.6	82.6
Civilian.....	37.2	40.5	37.6	40.0	40.4	40.7	41.0	42.1
Other services.....	82.9	82.9	83.6	79.8	81.2	85.4	85.1	86.2
Contractual research and development.....	30.7	30.8	31.4	29.8	30.2	31.2	32.0	32.4
Installation support ¹	23.8	23.4	23.6	22.3	22.8	25.2	23.4	23.8
Weapons support ²	8.9	9.0	9.1	8.9	9.0	9.0	9.1	9.2
Personnel support ³	11.8	11.9	11.7	11.4	11.6	12.8	11.7	12.0
Transportation of materiel.....	3.7	3.9	3.8	3.6	3.8	4.0	4.2	4.2
Travel of persons.....	4.0	3.9	3.9	3.7	3.9	3.9	4.0	4.1
Other.....	0	0	.1	0	-.2	-6	-.6	.6
Structures.....	7.0	6.4	7.0	6.3	6.3	6.8	6.3	6.7
Military facilities.....	4.7	4.1	4.6	4.0	3.9	4.3	4.1	4.2
Other.....	2.4	2.3	2.4	2.2	2.4	2.5	2.2	2.5

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.

2. Includes depot maintenance and contractual services for weapons systems, other than research and development.

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

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Receipts from foreigners ¹	547.7	625.9	579.7	605.6	626.1	628.5	643.5	646.7
Exports of goods and services ¹	547.7	625.9	579.7	605.6	626.1	628.5	643.5	646.7
Merchandise ²	322.0	368.9	341.0	358.7	372.1	370.4	374.4	382.6
Durable goods ²	206.8	240.6	221.3	231.4	239.1	246.0	245.8	252.7
Nondurable goods.....	115.2	128.3	119.7	127.2	133.0	124.4	128.5	130.0
Services ¹	225.7	257.0	238.6	246.9	254.0	258.1	269.2	264.0
Factor income ^{3,4}	116.7	136.9	125.5	131.9	136.2	134.5	145.0	139.4
Other ⁵	108.9	120.2	113.2	115.1	117.8	123.6	124.2	124.6
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Payments to foreigners ⁶	547.7	625.9	579.7	605.6	626.1	628.5	643.5	646.7
Imports of goods and services ⁶	621.3	673.0	650.5	659.6	676.6	673.6	682.3	686.7
Merchandise ²	449.0	480.2	468.8	469.8	480.0	482.2	488.6	489.0
Durable goods ²	294.5	309.9	312.6	309.6	308.0	309.8	312.0	302.1
Nondurable goods.....	154.5	170.3	156.3	160.3	172.0	172.4	176.6	187.0
Services ⁶	172.3	192.9	181.6	189.8	196.6	191.4	193.7	197.7
Factor income ³	83.4	101.2	91.0	97.3	105.2	101.6	101.4	102.2
Other ⁷	88.9	91.6	90.6	92.5	91.4	90.4	92.2	95.5
Transfer payments (net)	14.7	15.4	20.2	13.8	12.5	15.7	19.6	15.9
From persons (net)	1.9	1.7	1.9	2.2	1.4	1.6	1.5	1.9
From government (net)	12.9	13.7	18.2	11.5	11.1	14.1	18.2	14.0
Interest paid by government to foreigners.....	29.1	33.7	31.1	32.5	34.4	33.9	33.8	34.0
Net foreign investment.....	-117.5	-96.2	-122.0	-100.3	-97.5	-94.8	-92.2	-90.0

1. See footnote 5 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

2. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to "other" services.

3. Line 7 less line 16 equals rest-of-the-world product as shown in table 1.8.

4. Estimates beginning with the first quarter of 1986 exclude noninterest income of banks, which was reclassified to "other" services.

5. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover foreign students' expenditures in the United States; cover repairs and alterations of equipment; and cover noninterest income of banks.

6. See footnote 7 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.

7. Estimates beginning with the first quarter of 1986 cover many business, professional, and technical services and incorporate improved measurement of telecommunications services and insurance services; incorporate new source data on travel and passenger fares; cover U.S. students' expenditures abroad; cover repairs and alterations of equipment.

Table 3.10.—National Defense Purchases of Goods and Services in Constant Dollars

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
National defense purchases	261.5	256.5	261.6	254.4	255.8	260.1	255.7	255.9
Durable goods.....	84.6	82.5	85.0	82.1	82.8	84.3	80.6	81.5
Military equipment.....	70.8	69.6	71.8	69.7	69.4	71.3	68.1	69.3
Aircraft.....	29.0	27.0	30.4	26.6	25.9	26.0	29.2	25.9
Missiles.....	13.5	14.9	14.1	14.4	15.5	15.0	14.6	15.0
Ships.....	7.1	7.9	7.8	8.4	7.3	8.3	7.8	8.1
Vehicles.....	4.5	3.7	3.9	4.0	3.6	4.1	3.0	3.5
Electronic equipment.....	5.6	5.7	6.0	5.4	5.7	6.4	5.4	6.8
Other.....	11.2	10.5	9.7	10.9	11.4	11.5	8.1	9.9
Other durable goods.....	13.8	12.8	13.2	12.4	13.4	13.0	12.5	12.2
Nondurable goods.....	14.3	14.1	14.7	13.9	14.5	14.1	13.9	12.8
Petroleum products.....	7.9	8.1	8.6	7.8	7.8	7.7	9.0	7.7
Ammunition.....	4.1	3.8	4.0	3.8	4.3	4.1	2.9	3.1
Other nondurable goods.....	2.2	2.2	2.2	2.3	2.4	2.3	2.0	2.0
Services.....	156.9	155.1	156.4	153.5	153.7	156.7	156.6	156.8
Compensation of employees.....	89.1	89.7	89.1	89.5	89.4	89.8	90.0	89.7
Military.....	60.0	59.6	59.8	59.7	59.5	59.6	59.7	59.5
Civilian.....	29.1	30.1	29.8	29.9	30.1	30.3	30.2	30.2
Other services	67.8	65.5	67.3	64.0	64.3	67.0	66.6	67.0
Contractual research and development.....	25.5	24.7	25.7	24.4	24.1	24.9	25.4	25.7
Installation support ¹	18.2	17.3	17.8	16.8	16.9	18.3	17.0	17.1
Weapons support ²	7.6	7.4	7.6	7.4	7.5	7.3	7.4	7.4
Personnel support ³	8.9	8.5	8.6	8.3	8.4	9.1	8.2	8.3
Transportation of materiel.....	3.9	4.0	3.9	3.6	3.9	4.1	4.3	4.4
Travel of persons.....	3.8	3.6	3.7	3.4	3.6	3.6	3.7	3.7
Other.....	0	0	.1	0	-.1	-.5	.5	.4
Structures.....	5.7	4.8	5.4	4.8	4.7	5.1	4.5	4.8
Military facilities.....	3.7	3.0	3.5	3.0	2.9	3.2	2.9	3.0
Other.....	1.9	1.8	1.9	1.7	1.8	1.9	1.7	1.9

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.

2. Includes depot maintenance and contractual services for weapons systems.

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

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Exports of goods and services ¹	530.1	589.2	551.4	569.7	587.5	593.1	606.6	608.0
Merchandise ²	344.3	386.8	358.6	372.5	386.9	390.6	397.2	405.6
Durable goods ²	234.0	265.6	248.					

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Merchandise exports¹								
Foods, feeds, and beverages	322.0	368.9	341.0	358.7	372.1	370.4	374.4	382.6
Industrial supplies and materials	32.9	35.9	34.6	38.6	37.9	32.3	34.8	36.4
Durable goods	83.0	95.5	86.4	92.6	99.0	96.6	93.6	97.2
Nondurable goods	27.9	33.5	30.2	32.5	34.0	34.4	33.0	34.8
Capital goods, except autos	55.1	62.0	56.3	60.1	65.0	62.2	60.6	62.4
Autos	112.4	130.6	119.7	123.4	129.3	138.3	131.3	141.7
Consumer goods	32.5	34.7	34.3	35.5	34.4	33.2	35.6	31.6
Durable goods	24.2	32.1	26.6	29.9	32.2	32.0	34.3	36.0
Nondurable goods	11.0	16.2	12.2	15.1	16.5	15.9	17.3	18.0
Other ¹	13.2	15.9	14.4	14.8	15.7	16.1	17.0	18.0
Durable goods ^{1,2}	37.0	40.1	39.5	38.7	39.3	37.9	44.7	39.7
Nondurable goods ²	23.1	25.7	24.9	25.0	24.9	24.1	28.6	26.6
Merchandise imports ¹	449.0	480.2	468.8	469.8	480.0	482.2	488.6	489.0
Foods, feeds, and beverages	24.9	25.1	25.1	25.1	25.1	24.9	25.3	26.4
Industrial supplies and materials, excluding petroleum	76.4	78.4	80.6	80.2	78.1	77.4	78.0	76.6
Durable goods	40.9	42.6	44.1	43.5	42.5	42.0	42.2	40.6
Nondurable goods	35.6	35.8	36.5	36.6	35.6	35.4	35.8	36.0
Petroleum and products	39.3	50.4	36.9	43.4	53.8	52.2	52.2	63.6
Capital goods, except autos	101.8	113.4	107.1	108.7	113.9	114.1	116.9	115.7
Autos	87.9	86.2	93.0	91.3	84.8	84.9	83.8	79.2
Consumer goods	96.4	103.0	101.8	98.4	101.2	104.9	107.5	101.6
Durable goods	52.8	55.8	56.1	54.7	55.2	56.9	56.5	53.6
Nondurable goods	43.6	47.2	45.6	43.7	46.0	48.0	50.9	48.0
Other ¹	22.3	23.6	22.4	22.7	23.1	23.8	24.9	25.9
Durable goods ^{1,2}	11.2	11.8	12.2	11.4	11.5	11.9	12.4	13.0
Nondurable goods ²	11.2	11.8	12.2	11.4	11.5	11.9	12.4	13.0
Addenda:								
Exports of agricultural products ³	38.1	41.3	39.2	43.1	43.4	38.6	40.0	42.5
Exports of nonagricultural products	283.8	327.6	301.9	315.6	328.7	331.8	334.4	340.2
Imports of nonpetroleum products	409.7	429.8	432.0	426.4	426.3	430.1	436.4	425.4

1. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.

2. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.

3. Includes parts of line 2 and line 5.

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

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Merchandise exports¹								
Foods, feeds, and beverages	344.3	386.8	358.6	372.5	386.9	390.6	397.2	405.6
Industrial supplies and materials	33.1	35.2	31.9	36.1	36.2	32.2	36.0	37.8
Durable goods	79.7	91.7	81.8	88.7	94.1	93.2	91.0	94.5
Nondurable goods	26.8	32.1	28.5	31.2	32.3	32.9	31.9	33.9
Capital goods, except autos	52.9	59.7	53.2	57.5	61.8	60.3	59.1	60.6
Autos	144.3	162.3	152.4	160.4	170.5	165.6	174.4	174.4
Consumer goods	28.1	29.0	29.2	29.9	29.0	27.7	29.4	26.0
Durable goods	21.7	27.9	23.6	26.0	28.0	27.7	29.8	31.1
Nondurable goods	10.3	14.7	11.3	13.7	14.9	14.5	15.8	16.4
Other ¹	11.4	13.2	12.3	12.3	13.1	13.3	14.0	14.6
Durable goods ^{1,2}	24.5	27.5	26.6	26.5	26.2	26.7	30.6	29.8
Nondurable goods ²	13.0	13.2	13.1	12.5	13.1	12.5	14.7	12.1
Merchandise imports ¹	467.1	494.4	483.4	477.4	487.5	504.3	508.2	502.8
Foods, feeds, and beverages	22.7	23.9	22.7	22.9	23.1	24.5	25.1	25.2
Industrial supplies and materials, including petroleum	73.7	72.4	75.1	72.7	71.2	72.0	73.7	72.4
Durable goods	39.5	39.6	41.1	39.4	38.8	39.5	40.6	39.7
Nondurable goods	34.2	32.8	34.0	33.3	32.4	32.5	33.1	32.7
Petroleum and products	86.2	92.4	90.3	87.9	91.6	97.4	92.5	100.8
Capital goods, except autos	121.2	140.8	124.8	129.5	138.8	144.2	150.9	146.7
Autos	66.4	63.6	68.8	67.4	63.2	63.0	61.0	57.7
Consumer goods	78.2	81.8	81.7	78.5	80.7	83.4	84.4	78.7
Durable goods	44.3	46.2	46.6	45.2	45.9	47.2	46.4	43.5
Nondurable goods	33.9	35.6	35.1	33.3	34.8	36.2	38.0	35.2
Other ¹	18.7	19.5	20.0	18.6	19.0	19.7	20.6	21.2
Durable goods ^{1,2}	9.4	9.7	10.0	9.3	9.5	9.9	10.3	10.6
Nondurable goods ²	9.4	9.7	10.0	9.3	9.5	9.9	10.3	10.6
Addenda:								
Exports of agricultural products ³	37.6	39.4	36.2	40.1	40.7	37.1	39.8	42.2
Exports of nonagricultural products	306.7	347.4	322.3	332.4	346.2	353.5	357.4	363.4
Imports of nonpetroleum products	380.9	402.0	393.1	389.5	395.9	406.9	415.7	401.9

1. Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.

2. Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.

3. Includes parts of line 2 and line 5.

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

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross saving								
Gross private saving	642.4	701.7	647.4	693.5	695.8	709.9	707.7	.....
Personal saving	738.6	806.2	769.3	792.1	793.7	809.7	829.4	.....
Undistributed corporate profits with inventory valuation and capital consumption adjustments	144.7	204.4	163.4	205.7	200.7	195.1	216.0	215.5
Undistributed profits	80.3	49.5	81.7	53.4	52.0	49.3	43.3	.....
Inventory valuation adjustment	58.5	38.9	60.4	55.1	40.2	29.1	31.1	.....
Capital consumption adjustment	-25.0	-18.7	-20.1	-38.3	-20.5	-6.3	-9.7	-12.6
Corporate capital consumption allowances with capital consumption adjustment	46.8	29.3	41.5	36.6	32.3	26.5	21.9	18.0
Noncorporate capital consumption allowances with capital consumption adjustment	321.7	344.9	329.7	335.2	339.7	349.9	354.9	353.7
Wage accruals less disbursements	191.9	207.4	194.4	197.8	201.3	215.3	215.2	208.3
Government surplus or deficit (-), national income and product accounts	-96.1	-104.5	-121.9	-98.7	-97.9	-99.8	-121.8	.....
Federal	-145.8	-148.5	-167.6	-147.5	-145.4	-144.7	-156.5	.....
State and local	49.7	44.0	45.7	48.8	47.5	44.9	34.7	.....
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Gross investment	632.8	677.3	630.8	669.3	677.5	684.3	677.8	671.5
Gross private domestic investment	750.3	773.4	752.8	769.6	775.0	779.1	770.1	761.4
Net foreign investment	-117.5	-96.2	-122.0	-100.3	-97.5	-94.8	-92.2	-90.0
Statistical discrepancy	-9.6	-24.4	-16.6	-24.1	-18.3	-25.5	-29.8	.....

Table 5.8.—Change in Business Inventories by Industry

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Change in business inventories								
Farm	-3.6	4.9	-22.2	8.6	3.8	7.5	-3	5.4
Nonfarm	34.2	22.2	40.8	19.1	23.6	19.8	26.4	-8.9
Change in book value	70.6	49.8	71.2	76.8	54.5	27.2	40.9	9.1
Inventory valuation adjustment ¹	-36.4	-27.6	-30.4	-57.8	-30.9	-7.3	-14.5	-18.0
Manufacturing	9.1	6.2	14.9	4.5	9.8	14.5	-3.9	16.5
Durable goods	8.7	6.6	14.6	10.2	5.3	9.8	1.1	13.2
Nondurable goods	.4	-4	.3	-5.7	4.5	4.8	-3.0	3.3
Wholesale trade	8.9	3.5	4.5	-4.6	6.1	3.3	9.1	-1.3
Durable goods	7.3	3.5	2.2	1.2	6.9	1.9	3.9	4.1
Nondurable goods	1.6	0	2.3	-5.9	-9	1.4	5.2	-5.4
Merchant wholesalers	7.7	4.1	2.4	-4.1	6.4	.3	14.0	-5.8
Durable goods	6.0	3.8	-.2	1.7	7.7	-4	6.1	3.6
Nondurable goods	1.7	.4	2.6	-5.8	-1.3	.6	7.9	-9.4
Nonmerchant wholesalers	1.2	-7	2.1	-5	-4	3.1	-4.9	4.5
Durable goods	1.3	-3	2.4	-4	-.8	2.3	-2.2	.5
Nondurable goods	-.1	-4	-.3	-1	.4	.8	-2.7	4.0
Retail trade	8.3	6.7	13.6	9.9	3.1	-2.0	15.9	-29.8
Durable goods	6.1	.3	11.4	7.3	-5.4	-7.3	6.6	-25.0
Automotive	3.1	1.4	7.7	10.6	-3.6	-10.6	9.4	-25.6
Other	3.1	-1.1	3.7	-3.3	-1.8	3.3	-2.8	.6
Nondurable goods	2.1	6.4	2.1	2.6	8.4	5.3	9.3	-4.8
Other	7.9	5.8	7.9	9.3	4.6	4.0	5.3	5.7
Durable goods	2.9	1.5	3.8	3.3	-.9	.8	2.7	1.6
Nondurable goods	5.0	4.3	4.1	6.0	5.5	3.2	2.6	4.1

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

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

[Billions of dollars]

	1988	1989	Seasonally adjusted quarterly totals					
			1988		1989		1990	
			IV	I	II	III	IV	I
Inventories¹								
Farm	75.7	78.2	77.4	77.5	80.8	84.4		
Nonfarm	928.3	948.4	956.5	964.3	974.1	976.5		
Durable goods	549.5	561.8	564.3	568.6	571.8	572.2		
Nondurable goods	378.7	386.6	392.2	395.7	402.3	404.4		
Manufacturing	368.6	376.5	378.2	382.9	382.1	387.6		
Durable goods	246.9	253.2	254.0	257.9	257.1	261.4		
Nondurable goods	121.7	123.4	124.1	125.0	125.0	126.2		
Wholesale trade	218.6	221.6	223.8	225.4	228.4	229.4		
Durable goods	140.7	142.9	145.2	146.6	147.9	149.5		
Nondurable goods	77.9	78.7	78.6	78.8	80.6	79.8		
Merchant wholesalers	191.0	193.1	195.4	196.2	200.3	200.1		
Durable goods	123.7	125.8	128.3	129.0	130.9	132.3		
Nondurable goods	67.3	67.4	67.1	67.2	69.4	67.8		
Nonmerchant wholesalers	27.6	28.5	28.4	29.2	28.1	29.2		
Durable goods	17.0	17.1	16.9	17.6	17.0	17.2		
Nondurable goods	10.6	11.3	11.5	11.6	11.2	12.1		
Retail trade	223.7	229.0	231.3	231.7	237.8	231.9		
Durable goods	116.2	119.0	118.3	117.0	119.2	113.1		
Automotive	59.4	62.3	61.5	59.1	61.8	55.3		
Other	56.8	56.7	56.8	57.9	57.5	57.8		
Nondurable goods	107.4	110.0	113.0	114.7	118.6	118.8		
Other	117.4	121.2	123.3	124.4	125.8	127.7		
Final sales ²	354.4	360.0	366.6	371.8	375.0	384.8		
Final sales of goods and structures ²	202.4	205.4	208.9	210.5	210.0	216.6		
Ratio of inventories to final sales								
Inventories to final sales	2.83	2.85	2.82	2.80	2.81	2.76		
Nonfarm inventories to final sales	2.62	2.63	2.61	2.59	2.60	2.54		
Nonfarm inventories to final sales of goods and structures	4.59	4.62	4.58	4.58	4.64	4.51		

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

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

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates					
			1988		1989		1990	
			IV	I	II	III	IV	I
Change in business inventories								
Farm	-2.8	4.3	-13.6	7.6	-5	5.6	4.2	5.1
Nonfarm	30.7	17.7	31.9	16.9	19.5	16.2	18.0	-2.5
Manufacturing	8.5	4.9	12.2	3.8	8.3	12.0	-4.5	15.2
Durable goods	8.2	5.2	13.2	8.3	4.1	8.2	.3	11.4
Nondurable goods	.3	-.3	-1.0	-4.5	4.2	3.9	-4.8	3.8
Wholesale trade	8.5	2.4	1.9	-2.4	4.5	2.4	5.3	1.9
Durable goods	6.6	2.9	1.9	1.0	6.2	1.4	2.9	3.8
Nondurable goods	1.9	-.4	0	-3.4	-1.7	1.0	2.4	-1.9
Merchant wholesalers	7.5	3.4	.4	-2.1	5.2	-5	11.1	-4.0
Durable goods	5.4	3.2	-.3	1.5	7.0	-.6	4.9	3.3
Nondurable goods	2.1	.3	.7	-3.5	-1.7	.1	6.2	-7.3
Nonmerchant wholesalers	1.0	-1.0	1.5	-4	-8	2.9	-5.9	5.9
Durable goods	1.2	-3	2.2	-5	-8	2.0	-2.0	.5
Nondurable goods	-.3	-.7	-7	.1	0	1.0	-3.8	5.4
Retail trade	7.3	5.7	11.6	8.4	2.6	-1.6	13.2	-24.8
Durable goods	5.4	.2	9.8	6.1	-4.6	-6.1	5.5	-20.9
Automotive	2.6	1.2	6.6	9.0	-3.0	-9.0	7.9	-21.5
Other	2.8	-1.0	3.2	-2.9	-1.5	2.9	-2.4	.6
Nondurable goods	1.9	5.4	1.9	2.3	7.2	4.5	7.7	-3.9
Other	6.5	4.7	6.2	7.1	4.1	3.4	4.0	5.2
Durable goods	2.5	1.2	3.2	2.7	-.8	.7	2.2	1.4
Nondurable goods	4.0	3.4	3.0	4.4	4.9	2.7	1.8	3.8

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

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted quarterly totals					
			1988		1989		1990	
			IV	I	II	III	IV	I
Inventories¹								
Farm	67.8	69.7	69.6	71.0	72.1	73.3		
Nonfarm	822.7	826.9	831.8	835.8	840.3	839.7		
Manufacturing	476.7	481.2	482.4	483.5	486.2	485.1		
Durable goods	346.0	345.7	349.4	352.4	354.1	354.6		
Nondurable goods	111.9	110.8	111.9	112.8	111.6	112.6		
Wholesale trade	327.3	328.3	330.4	333.4	332.2	336.0		
Durable goods	215.4	217.5	218.5	220.5	220.6	223.5		
Nondurable goods	111.9	110.8	111.9	112.8	111.6	112.6		
Retail trade	193.5	192.9	194.0	194.6	195.9	196.4		
Durable goods	121.8	122.0	123.6	123.9	124.6	125.6		
Nondurable goods	71.7	70.9	70.4	70.7	71.3	70.8		
Merchant wholesalers	167.0	166.5	167.8	167.7	170.4	169.5		
Durable goods	107.0	107.4	109.1	109.0	110.2	111.0		
Nondurable goods	60.0	59.1	58.7	58.7	60.2	58.4		
Nonmerchant wholesalers	26.5	26.4	26.2	26.9	25.5	26.9		
Durable goods	14							

Table 5.12.—Fixed Investment by Type

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates						
			1988		1989		1990		IV
			IV	I	II	III	IV	I	
Fixed investment.....	719.6	746.3	734.1	742.0	747.6	751.7	744.0	764.9	
Nonresidential.....	487.2	511.7	495.8	503.1	512.5	519.6	511.4	526.3	
Structures.....	140.3	144.9	142.5	144.7	142.4	146.2	146.4	150.1	
Nonresidential buildings, excluding farm.....	97.8	100.4	97.9	101.3	98.5	101.3	100.4	103.8	
Public utilities.....	26.1	28.5	28.6	28.8	28.5	28.3	28.3	28.8	
Mining exploration, shafts, and wells.....	12.0	10.6	11.0	9.7	9.9	10.7	11.9	11.3	
Other.....	4.5	5.5	4.9	4.8	5.5	5.9	5.9	6.2	
Producers' durable equipment	346.8	366.7	353.3	358.5	370.1	373.4	365.0	376.1	
Information processing and related equipment	114.7	121.6	115.1	117.8	122.7	122.0	124.1	128.1	
Industrial equipment.....	81.9	91.6	87.4	92.2	90.7	91.6	92.0	93.7	
Transportation and related equipment.....	76.3	74.1	76.7	72.2	77.6	79.8	66.7	73.6	
Other.....	73.9	79.4	73.7	76.3	79.0	80.1	82.3	80.8	
Residential.....	232.4	234.6	238.4	238.8	235.1	232.1	232.6	238.6	
Single-family structures.....	116.9	115.6	119.2	121.5	114.8	112.4	113.6	121.1	
Multifamily structures	23.3	23.8	23.4	24.1	25.0	24.1	22.1	21.2	
Other.....	92.6	95.2	95.8	93.2	95.3	95.6	96.9	96.3	

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

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates						
			1988		1989		1990		IV
			IV	I	II	III	IV	I	
National income without capital consumption adjustment	3,952.8	4,272.5	4,083.4	4,178.4	4,249.8	4,300.5	4,361.2		
Domestic industries.....	3,919.5	4,236.8	4,048.9	4,143.9	4,218.9	4,266.9	4,317.7		
Private industries.....	3,352.6	3,630.5	3,470.1	3,549.6	3,616.8	3,656.7	3,699.0		
Agriculture, forestry, and fisheries	90.4	97.9	82.5	109.5	102.7	88.7	90.8		
Mining.....	34.4	37.6	33.9	35.0	37.2	38.3	39.8		
Construction.....	211.2	224.0	217.4	220.5	221.6	224.3	229.6		
Manufacturing.....	788.6	818.7	816.1	817.1	818.2	823.1	816.3		
Durable goods.....	455.0	467.2	469.2	469.9	466.7	467.9	464.4		
Nondurable goods.....	333.6	351.5	346.9	347.2	351.5	355.2	351.9		
Transportation and public utilities.....	300.2	320.8	311.1	314.5	321.4	322.0	325.1		
Transportation.....	131.1	140.6	134.9	137.1	140.0	142.1	143.1		
Communication.....	83.6	89.0	85.7	87.8	90.0	87.2	91.2		
Electric, gas, and sanitary services.....	85.5	91.1	90.6	89.7	91.4	92.7	90.8		
Wholesale trade	234.5	255.1	244.9	244.7	251.6	257.2	267.1		
Retail trade	335.6	357.0	344.2	346.6	353.9	362.8	364.6		
Finance, insurance, and real estate	568.8	631.2	594.5	613.3	633.3	638.4	639.7		
Services	789.0	888.3	825.5	848.3	876.9	902.1	925.8		
Government and government enterprises	566.9	606.3	578.8	594.3	602.0	610.2	618.7		
Rest of the world	33.3	35.6	34.5	34.5	31.0	33.5	43.5	37.2	

Table 5.13.—Fixed Investment by Type in Constant Dollars

[Billions of 1982 dollars]

	1988	1989	Seasonally adjusted at annual rates						
			1988		1989		1990		IV
			IV	I	II	III	IV	I	
Fixed investment.....	687.9	698.3	690.8	696.6	700.7	702.7	695.1	708.3	
Nonresidential.....	493.8	510.3	492.7	501.0	511.4	517.9	510.8	520.2	
Structures.....	122.2	120.0	121.4	121.1	118.1	120.4	120.3	121.8	
Nonresidential buildings, excluding farm.....	78.7	77.6	78.1	79.8	76.6	77.7	76.3	78.3	
Public utilities.....	22.6	23.9	24.2	24.5	24.0	23.6	23.4	23.6	
Mining exploration, shafts, and wells	17.2	14.0	15.0	12.9	13.1	14.2	15.8	15.0	
Other.....	3.7	4.5	4.1	3.9	4.5	4.8	4.8	4.9	
Producers' durable equipment	371.6	390.3	371.3	379.9	393.2	397.6	390.6	398.4	
Information processing and related equipment	174.2	189.0	172.2	180.3	189.1	191.1	195.5	200.0	
Industrial equipment.....	68.4	73.8	72.0	74.9	73.5	73.5	73.2	73.4	
Transportation and related equipment.....	65.7	61.8	64.7	60.7	64.8	66.9	54.8	59.6	
Other.....	63.3	65.7	62.4	63.9	65.7	66.0	67.2	65.4	
Residential.....	194.1	188.5	198.1	195.6	189.3	184.8	184.3	188.1	
Single-family structures.....	96.2	91.4	97.9	98.3	91.1	87.9	88.4	93.9	
Multifamily structures	19.3	18.9	19.2	19.5	19.8	18.8	17.2	16.5	
Other.....	78.6	78.2	80.9	77.8	78.4	78.0	78.7	77.7	

Table 6.18B.—Corporate Profits by Industry

[Billions of dollars]

	1988	1989	Seasonally adjusted at annual rates						
			1988		1989		1990		IV
			IV	I	II	III	IV	I	
Corporate profits with inventory valuation and capital consumption adjustments	328.6	301.3	340.2	316.3	307.8	295.2	285.9		
Domestic industries.....	285.0	253.5	293.7	269.7	264.2	249.5	230.5		
Financial.....	35.7	27.3	35.5	34.4	33.6	22.8	18.5		
Nonfinancial.....	249.3	226.2	258.2	235.3	230.5	226.7	212.1		
Rest of the world	43.7	47.8	46.5	46.6	43.6	45.7	55.4		
Corporate profits with inventory valuation adjustment	281.8	272.0	298.7	279.7	275.5	268.7	264.0		
Domestic industries.....	238.2	224.1	252.2	233.1	231.8	223.0	208.6		
Financial.....	29.8	22.2	30.1	29.3	28.6	17.8	13.0		
Federal Reserve banks.....	18.1	20.6	19.3	20.3	21.2	20.4	20.7		
Other.....	11.7	1.5	10.8	9.0	7.4	-2.6	-7.7		
Nonfinancial.....	208.4	202.0	222.1	203.9	203.2	205.2	195.6		
Manufacturing	98.4	86.9	105.5	96.5	90.3	86.6	74.4		
Durable goods.....	38.1	29.7	39.8	35.6	31.5	28.6	23.0		
Primary metal industries	6.4	6.1	7.4	6.5	6.6	6.7	4.5		
Fabricated metal products	6.1	6.0	5.9	7.2	6.7	6.2	3.8		
Machinery, except electrical	4.8	2.5	2.1	2.0	2.8	2.3	2.7		
Electric and electronic equipment	4.6	4.7	6.6	4.4	5.1	3.0	6.2		
Motor vehicles and equipment	2.4	-1.4	4.5	3.0	-1.9	-2.0	-4.7		
Other.....	13.8	11.9	13.4	12.4	12.2	10.6			
Nondurable goods.....	60.3	57.3	65.7	60.9	58.8	58.0	51.4		
Food and kindred products	15.7	15.1	17.2	17.4	14.8	14.8	13.4		
Chemicals and allied products	17.4	16.8	22.0	18.5	18.1	15.9	14.8		
Petroleum and coal products	3.7	2.2	5.3	1.2	1.0	3.9	2.7		
Other.....	23.5	23.1	21.2	23.8	24.9	23.4	20.4		
Transportation and public utilities.....	39.3	39.9	43.5	41.6	40.8	39.4	37.8		
Wholesale and retail trade	40.1	39.1	41.8	34.1	36.9	41.9	43.6		
Other.....	30.6	36.0	31.3	31.7	35.2	37.4	39.9		
Rest of the world	43.7	47.8	46.5	46.6	43.6	45.7	55.4		

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	124.1	129.6	126.2	127.7	129.3	130.2	131.4	133.5
Personal consumption expenditures.....	125.9	131.8	128.1	129.6	131.6	132.3	133.8	136.3
Durable goods.....	112.9	115.1	114.1	114.7	114.7	115.2	115.9	117.1
Nondurable goods.....	117.2	123.8	119.4	121.0	124.5	124.3	125.6	129.4
Services	135.5	141.9	138.1	139.8	141.1	142.6	144.3	146.2
Gross private domestic investment								
Fixed investment.....	111.3	115.6	112.7	114.1	115.2	116.1	117.1	118.2
Nonresidential.....	109.0	113.1	110.5	111.8	112.6	113.5	114.5	115.7
Structures.....	107.1	112.1	109.1	110.5	111.6	112.7	113.6	114.5
Producers' durable equipment.....	110.2	113.8	111.5	112.7	113.3	114.0	115.1	116.5
Residential.....	119.5	124.2	120.1	121.8	123.9	125.3	126.0	126.7
Change in business inventories.....								
Net exports of goods and services.....								
Exports	111.2	114.5	113.3	113.7	114.6	114.4	114.6	115.6
Imports	106.3	110.7	107.3	109.5	111.1	109.8	111.0	113.7
Government purchases of goods and services....	125.1	130.9	126.9	129.4	130.5	131.4	132.5	134.6
Federal.....	117.9	122.9	119.3	122.3	122.7	123.0	123.5	125.9
National defense.....	117.9	122.5	119.0	122.0	122.5	122.5	123.0	125.8
Nondefense.....	118.0	123.8	120.0	123.0	123.2	124.2	124.7	126.1
State and local	130.4	136.9	132.6	134.7	136.2	137.6	139.1	141.1
Addenda:								
Final sales	124.0	129.5	126.1	127.6	129.2	130.1	131.2	133.3
Personal consumption expenditures, food.....	122.2	129.2	124.9	126.6	129.0	129.9	131.4	135.6
Personal consumption expenditures, energy.....	92.4	97.7	92.9	94.0	100.6	98.2	97.8	101.9
Other personal consumption expenditures	131.0	136.7	133.3	134.8	136.1	137.2	138.8	140.7

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

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	124.1	129.6	126.2	127.7	129.3	130.2	131.4	133.5
Final sales	124.0	129.5	126.1	127.6	129.2	130.1	131.2	133.3
Change in business inventories.....								
Goods	115.1	119.9	117.3	118.1	120.0	120.3	121.2	123.5
Final sales	115.0	119.7	117.1	118.0	119.8	120.1	121.0	123.3
Change in business inventories.....								
Durable goods.....	108.2	110.9	109.1	109.9	110.6	111.2	112.0	113.2
Final sales	108.3	111.1	109.2	110.1	110.8	111.3	112.1	113.2
Change in business inventories.....								
Nondurable goods	119.8	125.9	122.8	123.6	126.3	126.4	127.4	130.4
Final sales	119.5	125.7	122.5	123.4	126.1	126.2	127.1	130.2
Change in business inventories.....								
Services	133.7	140.1	136.0	138.0	139.4	140.7	142.2	144.3
Structures.....	113.7	118.6	115.2	116.8	118.2	119.4	120.1	121.0

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted					
			1988		1989		1990	
			IV	I	II	III	IV	I
Gross national product	124.1	129.6	126.2	127.7	129.3	130.2	131.4	133.5
Less: Exports of goods and services.....	111.2	114.5	113.3	113.7	114.6	114.4	114.6	115.6
Plus: Imports of goods and services.....	106.3	110.7	107.3	109.5	111.1	109.8	111.0	113.7
Equals: Gross domestic purchases ¹	123.7	129.4	125.7	127.4	129.1	129.9	131.2	133.4
Less: Change in business inventories.....								
Equals: Final sales to domestic purchasers ²	123.5	129.2	125.6	127.3	128.9	129.7	131.0	133.2

1. Purchases in the United States of goods and services wherever produced.

2. Final sales in the United States of goods and services wherever produced.

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

Table 7.4.—Implicit Price Deflators for Gross National Product

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	121.3	126.3	123.3	124.5	125.9	126.9	127.9	129.7
Personal consumption expenditures	124.5	130.0	126.5	128.0	129.8	130.4	131.8	134.3
Durable goods	110.1	111.3	111.2	112.2	110.8	111.4	111.7	112.8
Non durable goods	116.3	122.6	118.2	120.0	123.3	122.9	124.0	127.9
Services	134.9	141.2	137.3	139.0	140.4	141.8	143.4	145.5
Gross private domestic investment								
Fixed investment	104.6	106.8	106.3	106.5	106.7	107.0	107.0	108.0
Nonresidential	98.7	100.3	100.6	100.4	100.2	100.3	100.1	101.2
Structures	114.9	120.8	117.3	119.5	120.6	121.5	121.7	123.3
Producers' durable equipment	93.3	94.0	95.2	94.4	94.1	93.9	93.5	94.4
Residential	119.7	124.5	120.4	122.1	124.2	125.6	126.2	126.9
Change in business inventories								
Net exports of goods and services								
Exports	103.3	106.2	105.1	106.3	106.6	106.0	106.1	106.4
Imports	102.7	104.9	104.0	105.6	105.9	103.6	104.4	105.8
Government purchases of goods and services	123.4	128.5	125.4	127.1	127.5	129.0	130.6	132.4
Federal	115.9	119.6	118.2	118.9	118.2	119.8	121.5	123.1
National defense	114.0	117.8	114.9	117.4	117.8	118.3	117.7	120.8
Nondefense	123.6	125.3	128.7	123.8	119.2	125.0	134.2	130.7
State and local	128.8	135.0	130.8	132.9	134.4	135.6	136.9	138.9

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

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

[Index numbers, 1982=100]

Gross national product	121.3	126.3	123.3	124.5	125.9	126.9	127.9	129.7
Final sales	121.4	126.3	123.4	124.6	125.8	126.9	128.0	129.8
Change in business inventories								
Goods	109.0	112.8	111.1	111.4	112.8	113.2	113.8	115.2
Final sales	109.0	112.7	111.2	111.4	112.4	113.1	113.8	115.5
Change in business inventories								
Durable goods	97.7	99.5	98.7	99.2	99.2	99.9	99.9	100.5
Final sales	97.4	99.3	98.2	98.7	99.0	99.8	99.5	100.7
Change in business inventories								
Nondurable goods	120.3	125.9	123.6	123.4	126.1	126.8	127.5	130.4
Final sales	120.4	126.0	123.8	123.6	125.7	126.8	127.8	131.1
Change in business inventories								
Services	133.4	139.6	135.5	137.6	138.9	140.3	141.6	143.9
Structures	118.5	123.7	120.0	121.9	123.4	124.6	125.1	126.2

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

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

[Index numbers, 1982=100]

Gross national product	121.3	126.3	123.3	124.5	125.9	126.9	127.9	129.7
Gross domestic product	121.3	126.3	123.3	124.5	125.9	126.9	127.9	129.7
Business	119.3	124.0	121.3	122.3	123.6	124.5	125.5	127.1
Nonfarm	119.6	124.3	121.6	122.5	123.8	124.8	126.0	127.4
Nonfarm less housing	117.8	122.3	119.9	120.7	122.0	122.8	123.8	125.2
Housing	138.3	145.7	140.8	142.0	143.3	147.6	150.0	151.1
Farm	104.6	110.3	101.8	113.0	115.7	109.5	102.8	115.0
Statistical discrepancy	119.3	124.0	121.3	122.3	123.6	124.5	125.5	127.1
Households and institutions	137.0	143.9	139.1	141.0	142.4	144.8	147.3	149.4
Private households	105.9	107.3	106.4	107.0	107.4	107.4	107.6	108.5
Nonprofit institutions	139.1	146.3	141.3	143.2	144.7	147.3	149.8	152.0
Government	134.5	141.5	136.4	139.5	140.9	142.1	143.4	146.3
Federal	127.2	133.7	127.7	133.1	133.7	133.9	134.1	138.8
State and local	138.1	145.4	140.7	142.6	144.4	146.3	148.1	150.1
Rest of the world	123.3	128.8	125.5	126.8	128.3	129.4	130.7	132.6
Addendum:								
Gross domestic business product less housing	117.6							

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

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted					
			1988		1989			1990
			IV	I	II	III	IV	I
Gross national product	121.3	126.3	123.3	124.5	125.9	126.9	127.9	129.7
Less: Capital consumption allowances with capital consumption adjustment	106.9	108.6	107.4	108.0	108.4	109.0	109.1	109.2
Equals: Net national product	123.2	128.8	125.5	126.8	128.3	129.4	130.6	132.5
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	123.3	131.7	124.5	126.5	129.4	135.3	135.4	136.4
Statistical discrepancy	119.3	124.0	121.3	122.3	123.6	124.5	125.5	.....
Equals: National income	123.2	128.4	125.5	126.8	128.1	128.8	130.1	.....

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

[Index numbers, 1982=100]

Gross national product	121.3	126.3	123.3	124.5	125.9	126.9	127.9	129.7
Less: Net exports of goods and services								
Exports	103.3	106.2	105.1	106.3	106.6	106.0	106.1	106.4
Imports	102.7	104.9	104.0	105.6	105.9	103.6	104.4	105.8
Equals: Gross domestic purchases	120.9	125.8	122.8	124.2	125.5	126.2	127.4	129.4
Plus: Command-basis net exports of goods and services								
Command-basis exports	102.7	104.9	104.0	105.6	105.9	103.6	104.4	105.8
Imports	102.7	104.9	104.0	105.6	105.9	103.6	104.4	105.8
Equals: Command-basis gross national product	121.2	126.1	123.1	124.4	125.8	126.4	127.6	129.6

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

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

[Index numbers, 1982=100]

Personal consumption expenditures	125.9	131.8	128.1	129.6	131.6	132.3	133.8	136.3
Durable goods	112.9	115.1	114.1	114.7	114.7	115.2	115.9	117.1
Motor vehicles and parts	118.6	120.5	119.5	120.5	120.6	120.1	120.9	121.9
Furniture and household equipment	103.8	105.0	104.7	104.8	104.1	105.3	105.8	106.4
Other	118.5	123.5	121.1	121.7	123.0	124.2	125.2	128.3
Nondurable goods	117.2	123.8	119.4	121.0	124.5	124.3	125.6	129.4
Food	122.2	129.2	124.9	126.6	129.0	129.9	131.4	135.6
Clothing and shoes	115.8	118.5	117.9	118.2	119.9	116.7	119.1	121.9
Gasoline and oil	79.1	86.5	79.1	79.9	92.7	88.2	85.0	89.5
Other nondurable goods	127.5	135.3	129.8	132.1	134.4	136.3	138.6	141.9
Fuel oil and coal	76.8	80.4	73.9	77.6	80.2	80.5	83.2	95.7
Other	134.5	142.7	137.4	139.4	141.6	143.8	146.0	148.1
Services	135.5	141.9	138.1	139.8	141.1	142.6	144.3	146.2
Housing	136.4	142.7	138.9	140.2	141.4	143.2	145.6	147.0
Household operation	119.9	122.6	121.7	122.4	122.4	122.2	123.7	125.1
Electricity and gas	112.7	115.8	114.7	115.5	115.6	114.9	117.3	118.6
Other	127.4	129.7	128.8	129.5	129.4	129.7	130.3	131.8
Transportation	126.6	130.5	128.5					

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted						
			1988		1989		1990		
			IV	I	II	III	IV	I	
Merchandise exports									
Foods, feeds, and beverages	104.1	106.2	106.3	106.1	106.8	105.7	105.4	105.8	
Industrial supplies and materials	99.6	102.1	108.3	106.8	104.6	100.3	96.4	96.4	
Durable goods	104.1	104.0	105.7	104.4	105.2	103.5	102.9	102.9	
Nondurable goods	104.0	103.9	105.7	104.4	105.2	103.1	102.7	102.9	
Capital goods, except autos	102.6	105.1	103.4	103.7	104.7	105.4	106.2	107.6	
Autos	115.6	119.6	117.6	118.6	118.7	120.0	121.3	121.4	
Consumer goods	111.7	116.1	113.1	115.8	115.8	116.2	116.3	117.0	
Durable goods	106.4	110.0	107.8	110.1	110.7	109.8	109.6	109.6	
Nondurable goods	115.9	120.8	117.2	120.3	119.9	121.3	121.6	122.9	
Other	101.0	101.6	102.2	102.2	102.8	100.0	101.4	99.2	
Durable goods	94.2	93.2	93.8	94.2	95.1	90.3	93.3	89.1	
Nondurable goods	107.7	109.9	110.5	110.2	110.5	109.8	109.4	109.2	
Merchandise imports									
Foods, feeds, and beverages	99.5	103.3	99.8	102.5	104.5	102.1	103.1	105.9	
Industrial supplies and materials, excluding petroleum	109.9	105.1	110.6	109.9	108.9	101.6	100.6	104.6	
Durable goods	104.1	108.2	107.4	110.1	109.3	107.3	106.0	106.4	
Nondurable goods	104.1	107.2	107.4	110.0	109.0	105.7	104.0	102.8	
Petroleum and products	104.0	109.2	107.4	110.1	109.6	109.0	108.1	110.0	
Capital goods, except autos	45.6	54.5	40.8	49.4	38.7	53.5	56.4	63.1	
Autos	115.3	116.5	118.0	117.6	116.3	116.5	116.2	119.3	
Consumer goods	132.4	135.5	132.5	135.5	134.3	134.7	137.5	137.3	
Durable goods	119.2	121.0	120.6	121.0	120.3	120.7	121.9	123.2	
Nondurable goods	128.7	129.9	129.9	131.1	132.3	132.5	134.0	136.5	
Other	119.2	121.4	121.7	122.5	121.5	120.7	121.0	122.3	
Durable goods	119.2	121.4	121.7	122.5	121.5	120.7	121.0	122.3	
Nondurable goods	119.2	121.4	121.7	122.5	121.5	120.7	121.0	122.3	

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted						
			1988		1989		1990		
			IV	I	II	III	IV	I	
National defense purchases									
Durable goods	117.9	122.5	119.0	122.0	122.5	122.5	123.0	125.8	
Military equipment	109.3	111.3	110.1	112.2	111.5	111.1	110.5	111.4	
Aircraft	110.8	112.6	111.4	113.8	112.8	112.2	111.5	112.5	
Missiles	106.9	106.6	106.9	110.5	106.6	106.4	104.2	105.9	
Ships	117.7	116.6	118.1	118.7	119.7	114.4	113.7	113.8	
Vehicles	125.6	131.7	127.3	130.2	131.6	132.3	132.6	133.7	
Electronic equipment	89.8	92.1	91.0	90.2	91.5	93.1	93.5	93.1	
Other	108.1	111.1	109.2	110.6	111.0	111.3	111.5	111.6	
Other durable goods	111.9	116.4	113.9	115.2	116.0	116.6	117.7	118.6	
Nondurable goods	102.4	105.6	103.9	105.0	105.5	105.8	106.2	106.6	
Petroleum products	73.9	75.5	74.7	74.9	76.7	74.4	75.9	79.0	
Ammunition	58.2	58.9	58.7	58.5	60.9	57.2	58.8	63.5	
Other nondurable goods	98.9	102.3	99.5	101.1	102.1	102.4	103.4	103.0	
Services	115.5	119.0	117.8	118.1	118.5	118.8	120.5	120.9	
Compensation of employees	125.8	131.5	126.9	130.5	131.3	131.8	132.4	135.9	
Military	127.2	133.6	127.7	133.1	133.5	133.7	134.0	139.0	
Civilian	126.7	133.0	127.3	132.6	132.8	133.0	133.4	138.8	
Other services	128.1	134.8	128.3	134.1	134.9	135.1	135.1	139.4	
Contractual research and development	123.2	127.3	125.5	125.2	127.1	128.1	129.3	130.0	
Installation support ¹	130.6	136.2	132.8	132.8	135.0	137.6	139.4	140.9	
Weapons support ²	117.6	121.9	119.2	119.9	121.1	122.8	123.8	124.2	
Personnel support ³	156.5	158.1	161.2	157.9	155.6	157.0	161.8	161.4	
Transportation of materiel	94.6	97.5	99.0	99.8	97.5	96.5	96.1	96.6	
Travel of persons	107.2	111.8	108.8	111.9	111.5	111.0	112.9	114.1	
Other	122.6	130.7	123.6	128.4	130.3	131.7	132.3	133.7	
Structures	124.2	133.7	128.8	130.8	132.1	134.2	137.5	138.2	
Military facilities	125.3	135.6	132.3	132.5	133.2	135.8	141.0	141.1	
Other	122.6	130.7	123.6	128.4	130.3	131.7	132.3	133.7	

1. Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.

2. Includes depot maintenance and contractual services for weapons systems.

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

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

[Index numbers, 1982=100]

	1988	1989	Seasonally adjusted						
			1988		1989		1990		
			IV	I	II	III	IV	I	
Government purchases of goods and services									
Federal	125.1	130.9	126.9	129.4	130.5	131.4	132.5	134.6	
National defense	117.9	122.9	119.3	122.3	122.7	123.0	123.5	125.9	
Durable goods	117.9	122.5	119.0	122.0	122.5	123.0	123.5	125.8	
Non durable goods	109.3	111.3	110.1	112.2	111.5	111.1	110.5	111.4	
Services	125.8	131.5	126.9	130.5	131.3	131.8	132.5	135.9	
Compensation of employees	127.2	133.6	127.7	133.1	133.5	134.0	134.7	139.0	
Military	126.7	133.0	127.3	132.6	132.8	133.0	133.4	138.8	
Civilian	128.1	134.8	128.3	134.1	134.9	135.1	135.1	139.4	
Other services	123.2	127.3	125.5	125.2	127.1	128.1	129.3	132.2	
Structures	124.2	133.7	128.8	130.8	132.1	134.2	137.5	138.2	
Nondefense	118.0	123.8	120.0	123.0	123.2	124.2	124.7	126.1	
Durable goods	101.6	105.3	103.3	104.6	104.8	105.3	106.3	107.5	
Non durable goods	98.6	104.8	99.8	103.1	104.0	105.2	106.8	106.0	
Services	124.2	130.1	124.9	128.9	129.7	133.4	134.3	138.4	
Compensation of employees	127.5	134.0	127.5	134.7	134.1	134.3	134.3	138.4	
Other services	119.2	124.0	120.6	122.1	122.4	124.8	125.8	126.8	
Structures	115.2	120.1	116.6	118.2	119.6	120.8	121.7	122.7	
State and local	130.4	136.9	132.6	134.7	136.2	137.6	139.1	141.1	
Durable goods	113.4	117.4	115.0	116.2	117.0	117.7	118.8	119.2	
Non durable goods	97.3	103.7	98.4	101.8	104.2	105.3	107.5	107.5	
Services	136.7	144.0	139.5	141.5	143.2	144.9	146.6	148.8	
Compensation of employees	137.8	145.5	140.8	142.7	144.5	146.4	148.2	150.2	
Other services	131.6	137.5	133.4	135.8	137.0	137.9	139.1	142.2	
Structures	119.6	123.7	121.3	122.9	123.2	123.9	124.5	125.7	

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

[Dollars]

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

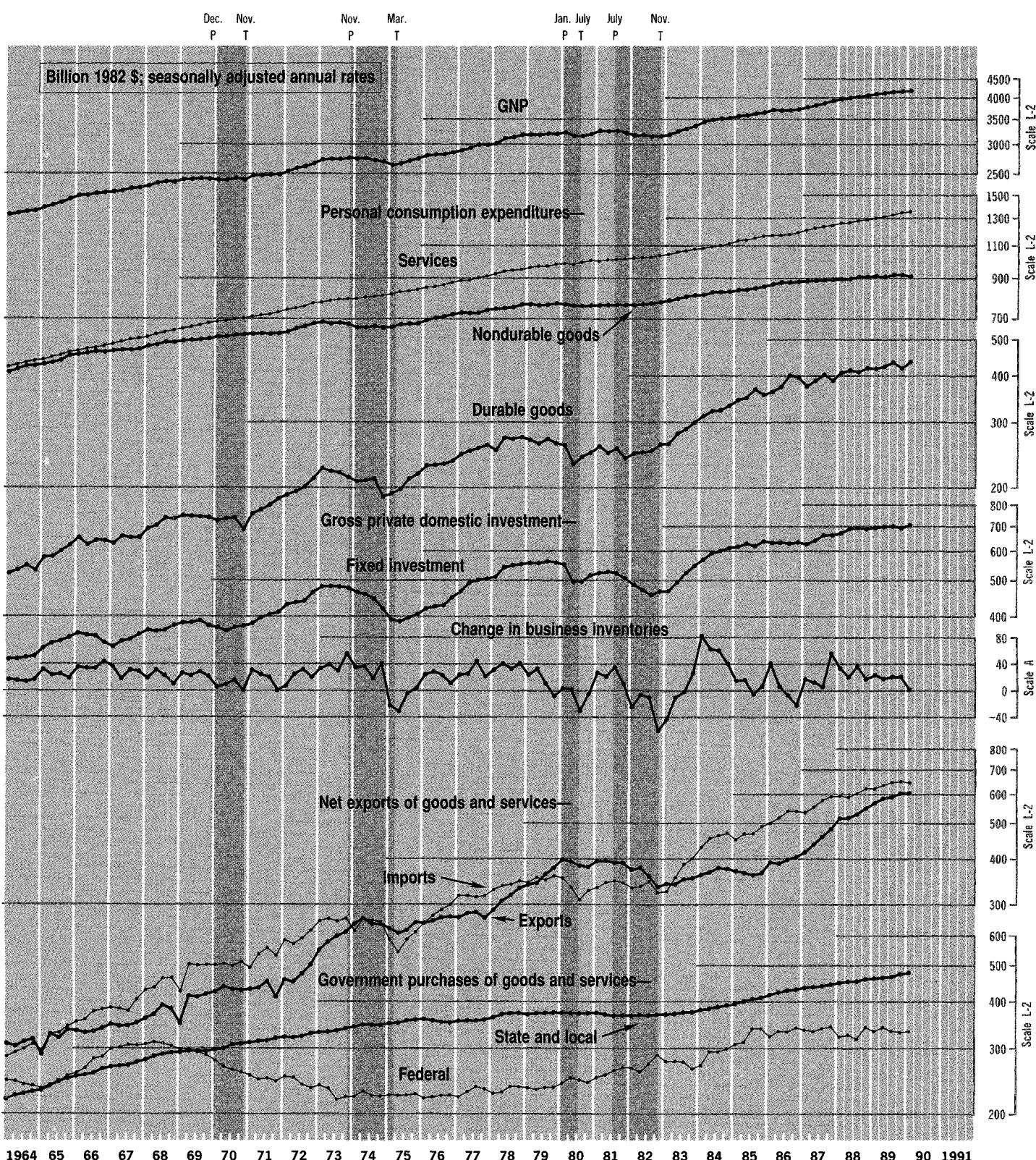
[Percent]

	1988	1989	Seasonally adjusted at annual rates							1988	1989	Seasonally adjusted at annual rates						
			1988			1989						1988			1989			
			IV	I	II	III	IV	I		IV	I	IV	I	II	III	IV	I	
Gross national product:																		
Current dollars.....	7.9	7.2	7.5	7.9	7.1	6.2	4.6	7.8										
1982 dollars.....	4.4	3.0	2.7	3.7	2.5	3.0	1.1	2.1										
Implicit price deflator.....	3.3	4.1	4.7	4.0	4.6	3.2	3.2	5.7										
Chain price index.....	3.7	4.2	4.1	4.6	4.9	2.8	3.5	6.0										
Fixed-weighted price index.....	4.2	4.5	4.3	4.8	5.0	2.9	3.6	6.5										
Personal consumption expenditures:																		
Current dollars ¹	7.4	7.3	7.6	7.1	7.6	7.6	4.9	10.4										
1982 dollars.....	3.4	2.7	3.0	2.0	1.9	5.6	.5	2.5										
Implicit price deflator.....	3.9	4.4	4.6	4.8	5.7	1.9	4.4	7.8										
Chain price index.....	4.1	4.5	4.8	4.7	5.8	2.1	4.4	7.4										
Fixed-weighted price index.....	4.3	4.7	4.9	4.8	6.3	2.2	4.4	7.8										
Durable goods:																		
Current dollars.....	8.1	4.0	13.8	-9	4.0	13.5	-13.0	21.5										
1982 dollars.....	6.2	2.8	9.9	-1.1	5.5	11.3	-14.0	17.0										
Implicit price deflator.....	1.9	1.1	3.7	0	-1.4	2.2	1.1	4.0										
Chain price index.....	2.2	1.8	3.1	2.1	-3	1.4	2.6	3.6										
Fixed-weighted price index.....	2.4	2.0	3.2	2.0	0	1.6	2.5	4.3										
Nondurable goods:																		
Current dollars.....	5.4	6.8	4.7	7.6	8.7	3.6	3.9	8.9										
1982 dollars.....	1.6	1.3	.7	1.3	-2.3	.50	.1	-3.8										
Implicit price deflator.....	3.7	5.4	3.8	6.2	11.5	-1.3	3.6	13.2										
Chain price index.....	4.0	5.4	4.5	5.5	11.5	-1.0	4.5	12.7										
Fixed-weighted price index.....	4.1	5.7	4.5	5.5	12.0	-6	4.1	12.8										
Services:																		
Current dollars ¹	8.5	8.5	7.9	8.9	7.9	8.7	10.6	8.7										
1982 dollars ¹	3.8	3.7	2.6	3.6	3.8	4.3	5.9	2.5										
Implicit price deflator.....	4.6	4.7	5.1	5.0	4.1	4.0	4.6	6.0										
Chain price index.....	4.7	4.7	5.4	5.0	4.1	4.2	4.7	5.4										
Fixed-weighted price index.....	4.8	4.7	5.5	4.9	3.9	4.3	4.9	5.3										
Gross private domestic investment:																		
Current dollars.....	7.2	3.1	-9.2	9.2	2.8	2.1	-4.5	-4.4										
1982 dollars.....	6.2	.7	-12.7	6.9	-.7	2.7	-4.0	-3.5										
Implicit price deflator.....																		
Chain price index.....																		
Fixed-weighted price index.....																		
Fixed investment:																		
Current dollars.....	7.3	3.7	4.3	4.4	3.1	2.2	-4.0	11.7										
1982 dollars.....	5.8	1.6	-3.0	3.4	2.4	1.1	-4.3	7.8										
Implicit price deflator.....	1.5	2.1	7.5	.8	.8	1.1	0	3.8										
Chain price index.....	2.6	3.3	3.8	4.1	3.7	3.0	2.6	3.2										
Fixed-weighted price index.....	3.3	3.9	4.2	5.0	3.9	3.5	3.2	3.8										
Nonresidential:																		
Current dollars.....	9.7	5.0	2.1	6.0	7.7	5.7	-6.2	12.2										
1982 dollars.....	8.4	3.3	-6.5	6.9	8.6	5.2	-5.4	7.6										
Implicit price deflator.....	1.2	1.6	9.2	-.8	-.8	.4	-.8	4.5										
Chain price index.....	2.4	2.9	4.4	3.2	2.1	2.3	2.8	3.6										
Fixed-weighted price index.....	3.4	3.8	4.7	4.7	3.0	3.1	3.6	4.2										
Structures:																		
Current dollars.....	4.9	3.3	1.4	6.3	-6.2	11.1	.5	10.5										
1982 dollars.....	-.1	-1.8	-5.1	-1.0	-9.5	8.0	-3	5.1										
Implicit price deflator.....	5.0	5.1	6.8	7.7	3.7	3.0	.7	5.4										
Chain price index.....	4.5	4.3	3.9	4.8	4.6	4.5	3.5	3.3										
Fixed-weighted price index.....	5.2	4.7	4.5	5.3	4.2	2.6	3.9	3.1										
Producers' durable equipment:																		
Current dollars.....	11.7	5.7	2.3	6.0	13.6	3.6	-8.7	12.7										
1982 dollars.....	11.5	5.0	-6.9	9.6	14.8	4.6	-6.9	8.2										
Implicit price deflator.....	-.1	.8	10.3	-3.3	-1.3	-.8	-1.7	3.9										
Chain price index.....	1.6	2.4	4.6	2.6	1.1	1.4	2.5	3.8										
Fixed-weighted price index.....	2.2	3.5	4.8	4.4	2.2	2.6	3.9	4.9										
Residential:																		
Current dollars.....	2.7	.9	9.2	.7	-6.1	-5.0	.9	10.7										
1982 dollars.....	-.4	-2.9	6.3	-5.0	-12.3	-9.2	-1.1	8.5										
Implicit price deflator.....	3.0	4.0	2.7	5.8	7.1	4.6	1.9	2.2										
Chain price index.....	3.1	4.0	2.7	5.9	7.3	4.7	2.0	2.2										
Fixed-weighted price index.....	3.1	4.0	2.6	5.8	7.2	4.6	2.0	2.3										
Exports of goods and services:																		
Current dollars ¹	22.1	14.3	17.5	19.1	14.2	1.5	9.9	2.0										
1982 dollars ¹	17.6	11.1	15.5	14.0	13.1	3.9	9.4	.9										
Implicit price deflator.....	3.8	2.8	1.5	4.6	1.1	-2.2	.4	1.1										
Chain price index.....	4.9	2.5	2.0	1.5	2.3	-9	.8	2.8										
Fixed-weighted price index.....	5.3	2.9	2.4	1.6	2.5	-4	.5	3.8										
Imports of goods and services:																		
Current dollars ¹	10.7	8.3	18.9	5.7	10.7	-1.8	5.3	2.6										
1982 dollars ¹	6.8	6.1	12.6	-4	9.3	7.4	2.2	-2.8										
Implicit price deflator.....	3.7	2.1	5.2	6.3	1.1	-8.4	3.1	5.5										
Chain price index.....	5.3	3.7	5.0	7.2	4.4	-3.6	3.6	8.5										
Fixed-weighted price index.....	5.0	4.1	4.2	8.6	5.7	-4.4	4.6	9.9										

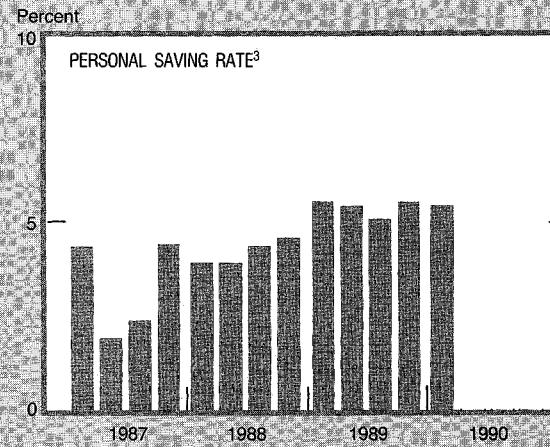
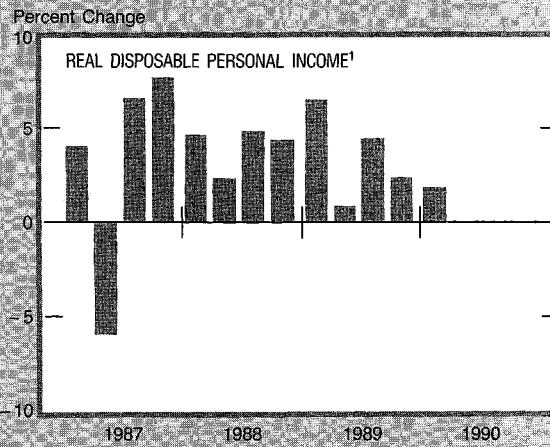
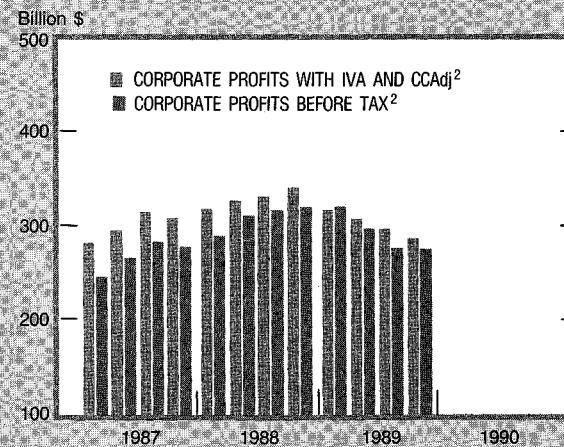
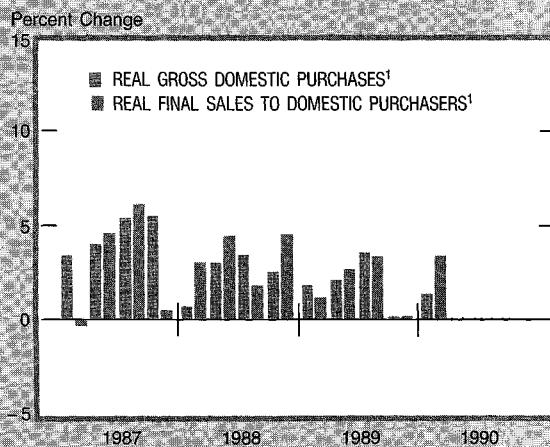
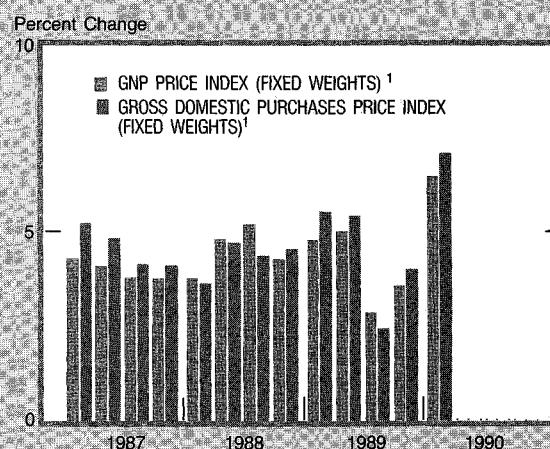
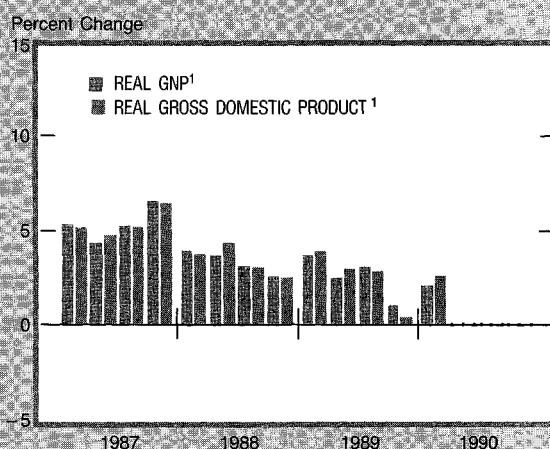
1. Percent changes for 1986 and the first quarter of 1986 reflect discontinuities in the series.
 NOTE.—The fixed-weighted price index and the chain price index, both of which are weighted averages of the detailed prices used in the deflation of GNP, are measures of price change. In calculating changes in these indexes, the composition of GNP is held constant. Consequently these changes reflect only changes in prices. The fixed-weighted price index measures price change over any period, using as weights the composition of GNP in 1982. The chain price index measures price change between two consecutive periods, using as weights the composition of GNP in the first period. The implicit price deflator is a byproduct of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It is the average of the detailed prices used in the deflation of GNP, but the prices are weighted by the composition of GNP in each period. Consequently, the implicit price deflator reflects not only changes in prices but also changes in the composition of GNP, and its use as a measure of price change should be avoided.

NIPA Charts

REAL GNP AND ITS COMPONENTS: TRENDS AND CYCLES



SELECTED SERIES: RECENT QUARTERS



¹Percent change at annual rate from preceding quarter, based on seasonally adjusted estimates.

²Seasonally adjusted annual rate; IVA is inventory valuation adjustment, and CCAdj is capital consumption adjustment.

³Personal saving as percentage of disposable personal income; based on seasonally adjusted estimates.

Updated Measures of Revision for Quarterly GNP Estimates

BEA has updated its measures of revision for the quarterly estimates of GNP. These measures are often analyzed in evaluations of GNP, and some of them have been included in GNP news releases since 1975 to help users gauge the likely size of revisions.

Table 1, which appeared in the April GNP news release (the release of the advance estimate for the first quarter of 1990), shows two measures—average revision without regard to sign and range of revisions—for current- and constant-dollar GNP.¹ The first two lines in both the current- and constant-dollar parts of the table show the revisions from the advance and preliminary estimates, respectively, to the final estimates. Advance estimates are released in the first month after the end of the quarter; preliminary and final estimates are released in the second and third months, respectively. Revisions from the advance and the preliminary estimates to the final estimate primarily reflect the incorporation of newly available and revised source data. The remaining three lines show the revisions from the advance, preliminary, and final estimates, respectively, to the latest estimates. The

NOTE.—This article was written by Gerald F. Donahoe. The measures of revision were calculated by Teresa L. Weadock.

1. Allan H. Young, in "Evaluation of the GNP Estimates," *SURVEY OF CURRENT BUSINESS* 67 (August 1987): 18-42, describes these and several other revision measures and discusses their usefulness in assessing the reliability of GNP estimates. The updated measures published since that article differ from those in the article in that the later measures are calculated directly from the GNP estimates as initially published. Earlier measures included adjustments to remove the effects of definitional and classificational changes and of updating the base year for calculating constant-dollar GNP. Because the effect of definitional and classificational changes on quarterly revisions in GNP was negligible and because removing the effect of updating the base year involved complex technical problems, these adjustments were eliminated.

Table 1.—Average and Range of Revisions in Quarterly GNP, 1976-87

	Average revision without regard to sign	Range	
		Two-thirds of revisions	Nine-tenths of revisions
Current-dollar GNP			
Advance to final	0.9	-0.8 to 1.1	-1.0 to 2.4
Preliminary to final.....	.5	-.4 to .8	-.7 to 1.0
Advance to latest.....	1.8	-1.7 to 2.5	-2.9 to 4.2
Preliminary to latest.....	1.7	-1.7 to 3.2	-3.1 to 3.2
Final to latest.....	1.6	-1.8 to 2.4	-3.1 to 3.2
Constant-dollar GNP			
Advance to final	0.7	-0.5 to 1.2	-1.1 to 2.0
Preliminary to final.....	.4	-.3 to .6	-.8 to .9
Advance to latest.....	1.8	-2.0 to 2.8	-2.8 to 4.1
Preliminary to latest.....	1.7	-2.0 to 2.2	-3.2 to 4.1
Final to latest.....	1.8	-2.1 to 1.9	-2.7 to 3.6

latest estimates are those released in the comprehensive (benchmark) revision in 1985 and in subsequent annual (July) revisions. Revisions in the latest estimates reflect, in addition to newly available and revised source data, the incorporation of revised seasonal adjustment factors, changes in estimating procedures, changes in definitions or classifications, and changes in the base year for calculating real GNP.

The measures in table 1 are based on the GNP estimates for 1976-87. The updating from measures based on the estimates for 1976-86 involved adding the four quarters of 1987 and incorporating the 1986 quarters published in the annual revision of July 1989 as the latest estimate. As a result of the updating, the ranges are slightly larger; the average revisions are virtually identical to those shown previously. This comparison suggests that the recent record of revisions did not differ significantly from the longer term record.

Table 1 shows that, for 1976-87, revisions without regard to sign between the quarterly percentage changes in

the advance estimates of real GNP and in the final estimates have averaged 0.7 percentage point (expressed at an annual rate); between the preliminary and the final estimates, the revisions have averaged 0.4 percentage point. Annual and comprehensive revisions result in larger revisions. The revisions between the advance, preliminary, and final estimates and the latest estimates have averaged 1.8, 1.7, and 1.8 percentage points, respectively. Table 1 also shows that revisions between the preliminary and final estimates ranged from -0.3 to +0.6 percentage point for two-thirds of the quarters. For nine-tenths of the quarters, these revisions ranged from -0.8 to +0.9 percentage point. (A revision of 1.0 percentage point in the quarterly change in GNP reflects a revision of less than one-quarter of 1 percent in the level of GNP.)

Table 2 expands the presentation to the major expenditure components of GNP for two of the comparisons shown in table 1—the advance to final estimates and the final to latest estimates. Because the change in business inventories and net exports components contain both positive and negative estimates, they cannot be presented in percentage terms; thus, the measures for these components are based on dollar changes. The components that have average revisions about the same as, or smaller than, GNP are personal consumption expenditures for services and State and local government purchases. The ranges for total GNP and for most components are skewed in the direction of upward revisions. The exceptions are Federal government purchases, personal consumption expenditures for services (advance to final estimates only), State and local government purchases (advance to final estimates only), and imports (final to latest estimates only).

Table 2.—Average and Range of Revisions in Quarterly Components of GNP, 1976-87

[Percent]

	Current-dollar estimates			Constant-dollar estimates		
	Average revision without regard to sign	Range		Average revision without regard to sign	Range	
		Two-thirds of revisions	Nine-tenths of revisions		Two-thirds of revisions	Nine-tenths of revisions
Gross national product:						
Advance to final.....	0.9	-0.8 to 1.1	-1.0 to 2.4	0.7	-0.5 to 1.2	-1.1 to 2.0
Final to latest.....	1.6	-1.8 to 2.4	-3.1 to 3.2	1.8	-2.1 to 1.9	-2.7 to 3.6
Personal consumption expenditures:						
Advance to final.....	.6	-.7 to .8	-.1 to 1.2	.6	-.6 to .6	-1.1 to 1.2
Final to latest.....	1.6	1.7 to 2.3	-2.5 to 3.5	1.8	-2.1 to 2.1	-3.7 to 2.7
Durable goods:						
Advance to final.....	2.1	-1.7 to 2.8	-3.3 to 5.6	1.9	-1.1 to 2.4	-2.4 to 4.6
Final to latest.....	5.4	-5.0 to 7.2	-9.5 to 9.6	5.1	-6.0 to 6.7	-11.0 to 9.8
Non durable goods:						
Advance to final.....	1.3	-1.3 to 1.8	-2.0 to 3.8	1.4	-1.4 to 1.5	-2.0 to 3.4
Final to latest.....	1.9	-1.6 to 1.8	-3.8 to 4.2	2.4	-2.9 to 2.2	-4.2 to 3.4
Services:						
Advance to final.....	.8	-1.3 to .8	-1.9 to 1.4	.7	-1.0 to .8	-1.5 to 1.3
Final to latest.....	1.9	-2.1 to 3.0	-2.9 to 3.8	1.5	-1.5 to 1.6	-2.8 to 3.0
Gross private domestic investment:						
Advance to final.....	4.6	-2.1 to 6.2	-7.1 to 11.4	4.5	-1.2 to 8.5	-5.5 to 11.7
Final to latest.....	10.1	-10.9 to 9.6	-21.1 to 18.7	9.9	-12.4 to 9.8	-18.2 to 18.7
Fixed investment:						
Advance to final.....	2.5	-1.0 to 3.2	-2.3 to 6.7	2.8	-1.0 to 4.4	-2.7 to 6.0
Final to latest.....	3.7	-3.4 to 3.1	-6.2 to 6.5	4.3	-4.6 to 3.2	-9.3 to 7.2
Nonresidential structures:						
Advance to final.....	4.6	-2.8 to 7.2	-8.9 to 10.0	4.5	-2.2 to 7.0	-10.2 to 10.5
Final to latest.....	6.2	-7.1 to 6.4	-15.8 to 8.9	5.9	-8.0 to 3.5	-15.7 to 10.6
Nonresidential producers' durable equipment:						
Advance to final.....	4.0	.3 to 6.1	-4.7 to 9.0	4.5	-0.3 to 6.2	-4.5 to 9.4
Final to latest.....	4.3	-4.3 to 3.6	-8.3 to 6.0	4.9	-4.3 to 5.3	-10.0 to 9.5
Residential:						
Advance to final.....	3.3	-2.9 to 3.3	-5.5 to 8.2	4.2	-3.9 to 3.4	-7.9 to 10.7
Final to latest.....	7.8	-7.3 to 7.5	-18.2 to 15.9	7.7	-6.3 to 5.5	-19.6 to 13.2
Change in business inventories: ¹						
Advance to final.....	5.3	-5.5 to 5.5	-9.8 to 10.2	3.3	-2.9 to 3.4	-6.5 to 6.5
Final to latest.....	11.2	-9.3 to 11.0	-24.9 to 24.5	13.6	-14.4 to 13.9	-26.2 to 26.0
Net exports of goods and services: ¹						
Advance to final.....	5.3	-5.1 to 7.4	-11.2 to 8.7	2.9	-4.3 to 2.6	-12.1 to 4.2
Final to latest.....	6.3	-4.5 to 5.1	-10.7 to 10.7	9.3	-12.1 to 9.6	-21.8 to 18.0
Exports:						
Advance to final.....	5.4	-3.8 to 6.8	-8.2 to 15.8	5.1	-5.0 to 6.3	-8.4 to 12.1
Final to latest.....	5.2	-3.8 to 7.2	-9.3 to 11.9	5.0	-2.6 to 6.5	-9.3 to 11.4
Imports:						
Advance to final.....	6.5	-5.1 to 8.9	-10.4 to 13.2	5.6	-4.3 to 8.9	-7.4 to 12.1
Final to latest.....	7.7	-6.7 to 4.0	-16.7 to 10.8	9.1	-10.9 to 6.2	-15.5 to 17.4
Government purchases of goods and services:						
Advance to final.....	1.6	-1.8 to 1.5	-3.4 to 2.0	1.4	-1.7 to 1.2	-3.3 to 2.4
Final to latest.....	3.1	-3.7 to 3.0	-5.3 to 7.0	3.4	-4.3 to 3.5	-5.7 to 8.7
Federal:						
Advance to final.....	3.9	-4.7 to 3.9	-8.4 to 7.7	3.7	-4.6 to 3.2	-9.0 to 7.3
Final to latest.....	7.3	-7.6 to 7.9	-14.5 to 15.1	8.0	-8.8 to 7.2	-16.4 to 17.2
State and local:						
Advance to final.....	.9	-1.4 to .7	-2.1 to 1.4	.8	-1.1 to .8	-1.7 to 1.4
Final to latest.....	1.9	-1.5 to 2.6	-3.3 to 4.4	1.7	-1.4 to 2.4	-2.7 to 4.7

1. Calculations based on dollar changes.

REGIONAL PERSPECTIVES

State Personal Income: Methodological Improvements

THE estimates of State personal income shown on pages 55-59 incorporate two methodological improvements. First, the quarterly estimates incorporate new seasonal factors for the services industry. Second, the preliminary annual estimate of the U.S. wage and salary total for 1989 incorporates ES-202 data for the first three quarters of 1989. In addition, the preliminary annual estimate of farm proprietors' income incorporates, as is usual in April, annual information on farm income and inventories by State and annual information on U.S. farm expenditures totals from the U.S. Department of Agriculture. Table 1 shows the resulting revisions to the U.S. totals of personal income and selected components.

Seasonal factors for the services industry.—As was discussed in the October 1989 SURVEY OF CURRENT BUSINESS, lump-sum payments by personal service corporations to their owner-employees (doctors, lawyers, etc.) have been unusual since the fourth quarter of 1987, reflecting provisions of the Tax Reform Act of 1986 and the Revenue Act of 1987.¹ It was indicated that BEA's procedures to seasonally adjust the State ES-202 data did not deal well with these payments and would be reexamined. The estimates now incorporate new seasonal factors

NOTE.—This article was written by Linnea Hazen and Robert L. Brown.

1. See "State Estimates of Wages and Salaries: A Methodological Update." This article describes the ES-202 data and the 790 data, which are mentioned in the present article, and the way in which these data are used in the estimates of wages and salaries in the State series and in the national income and product accounts.

for the services industry for 1986-89.² The new seasonal factors were developed on the assumption that the tax law changes affected the seasonal pattern beginning in the first quarter of 1988. Further revisions to the

seasonally adjusted quarterly ES-202-based estimates should be expected as more observations reflecting the new seasonal pattern become available.

Table 1 shows that the effect of the new seasonal factors was to add an average of \$11.4 billion (annual rate) to the U.S. total of wages and salaries in the services industry in the first and second quarters of 1988 and to subtract that amount from the second half, mostly from the fourth quarter. The pattern of revision is similar for 1989. (The quarterly revisions for 1986 were minimal, and those for 1987 were small except in the fourth quarter.)

Table 1.—Revisions to U.S. Totals in the State Personal Income Series

	1988	1989	1988				1989					
			I	II	III	IV	I	II	III	IV		
Billions of dollars; quarters at seasonally adjusted annual rates												
<i>Personal income:</i>												
April 1990.....	4,053.3	4,360.9	3,940.5	4,022.1	4,084.0	4,166.5	4,258.9	4,331.9	4,381.9	4,471.0		
January 1990.....	4,053.0	.....	3,926.7	4,006.0	4,085.3	4,194.0	4,260.2	4,352.6	4,433.1	.....	
Revision.....	.3	.....	13.8	16.1	-1.3	-27.5	-1.3	-20.7	-51.2	.....	
<i>Wages and salaries:</i>												
April 1990.....	2,420.4	2,571.0	2,349.4	2,403.7	2,445.1	2,483.6	2,511.6	2,549.8	2,589.2	2,633.3		
January 1990.....	2,420.4	.....	2,335.7	2,387.8	2,446.6	2,511.4	2,504.1	2,562.1	2,632.8	.....	
Revision.....	0	.....	13.7	15.9	-1.5	-27.8	7.5	-12.3	-43.6	.....	
<i>Services:</i>												
April 1990.....	523.6	575.2	501.4	518.3	532.0	542.8	554.9	568.5	581.5	596.1		
January 1990.....	523.6	.....	490.4	506.5	534.0	563.6	536.7	561.5	594.5	.....	
Revision.....	0	.....	11.0	11.8	-2.0	-20.8	18.2	7.0	-13.0	.....	
<i>Other:</i>												
April 1990.....	1,896.8	1,995.8	1,848.0	1,885.4	1,913.0	1,940.7	1,956.7	1,981.3	2,007.7	2,037.2		
January 1990.....	1,896.8	.....	1,845.3	1,881.2	1,912.7	1,947.9	1,967.4	2,000.6	2,038.3	.....	
Revision.....	0	.....	2.7	4.2	.3	-7.2	-10.7	-19.3	-30.6	.....	
<i>Farm proprietors' income:</i>												
April 1990.....	36.9	39.2	39.7	42.2	31.0	34.6	48.9	41.6	27.2	39.3		
January 1990.....	36.7	.....	39.6	42.0	30.7	34.3	57.7	50.0	34.8	.....	
Revision.....	.2	.....	.1	.2	.3	.3	-8.8	-8.4	-7.6	.....	
Percent change from preceding period; quarters at annual rates												
<i>Personal income:</i>												
April 1990.....	7.6	7.6	3.7	8.5	6.3	8.3	9.2	7.0	4.7	8.4		
January 1990.....	7.6	.....	3.7	8.3	8.2	11.1	6.5	9.0	7.6	.....	
<i>Wages and salaries:</i>												
April 1990.....	8.0	6.2	4.3	9.6	7.1	6.4	4.6	6.2	6.3	7.0		
January 1990.....	8.0	.....	4.3	9.2	10.2	11.0	-1.2	9.6	11.5	.....	
<i>Services:</i>												
April 1990.....	10.8	9.9	-6.0	14.2	11.0	8.4	9.2	10.1	9.5	10.4		
January 1990.....	10.8	.....	-4.4	13.8	23.5	24.1	-17.7	19.8	25.7	.....	
<i>Other:</i>												
April 1990.....	7.3	5.2	7.3	8.4	6.0	5.9	3.3	5.1	5.4	6.0		
January 1990.....	7.3	.....	6.7	8.0	6.9	7.6	4.1	6.9	7.8	.....	
<i>Farm proprietors' income:</i>												
April 1990.....	-4.0	6.4	-41.2	27.8	-71.0	55.3	298.9	-47.6	-81.8	337.7		
January 1990.....	-4.6	.....	-41.7	26.8	-71.5	54.7	703.6	-43.6	-76.6	.....	

Preliminary annual U.S. wages and salaries total.—Previously the preliminary annual State wage and salary estimates were controlled to the wage and salary total in the national income and product accounts, which is based on 790 data at this point in the estimating cycle. To take better advantage of the available data, the U.S. totals for wages and salaries now used for the State estimates in all industries

are based on three quarters of ES-202 data.³

3. In July, as part of the regular annual revision of the national income and product accounts, the 1989 annual estimates of the wage and salary component will be revised to incorporate four quarters of ES-202 wage and salary data. In August, as part of the regular annual revision of State personal income, the 1989 annual estimates of the wage and salary component of the State series will be revised to incorporate the fourth-quarter 1989 ES-202 data.

Table 1 shows that the wages and salaries total in the third quarter of 1989 is revised down \$43.6 billion (annual rate). A \$30.6 billion downward revision in industries other than services reflects the incorporation of the ES-202-based total, and a \$13.0 billion downward revision in services reflects both the incorporation of that total and the revision of the seasonal factors.

County and Metropolitan Area Personal Income, 1986-88

Revision Schedule for Regional Estimates

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

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

THIS article presents summary estimates of total and per capita personal income for 1986-88 for metropolitan areas and counties. Table 1 contains estimates for county-based metropolitan areas as defined for statistical purposes by the U.S. Office of Management and Budget. These areas include consolidated metropolitan statistical areas (CMSA's)—large, complex areas that consist of two or more primary metropolitan statistical areas (PMSA's)—and metropolitan statistical areas (MSA's). The metropolitan areas in New England are defined in terms of cities and towns rather than counties; the estimates presented here are for the alternative area definition—New England county metropolitan areas (NECMA's).¹ Table 2 contains estimates for 3,106 counties and county equivalents. The smaller independent cities of Virginia are combined with adjacent counties in these estimates.

The 1988 estimates are presented for the first time. The 1986 and 1987 estimates are revised and supersede those presented in the April 1989 SURVEY OF CURRENT BUSINESS. The estimates for 1983-88, including income by major type and labor and proprie-

tors' earnings by Standard Industrial Classification (SIC) industry division, will be presented in the forthcoming five-volume set *Local Area Personal Income, 1983-88*. A detailed description of the sources and methods used to de-

rive the estimates will be included in each volume. The full set of estimates for 1969-88, in greater industrial detail, is available in several forms from BEA's Regional Economic Information System, as explained on page 33.

Acknowledgments

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

Estimates of nonfarm labor income (wages and salaries and other labor income) were prepared by the Regional Wage Branch under the supervision of Carol E. Evans, Chief. Major responsibilities were assigned to Sharon C. Carnevale, C. Brian Grove, Michael G. Pilot, and James M. Scott. Contributing staff members were E. Frances Bake, Carol T. Collins, Elizabeth P. Cologer, Kathryn A. Comins, Susan P. Den Herder, Eddie L. Key, Russell C. Lusher, Richard A. Lutyk, Lisa C. Ninomiya, Michael Phillips, Adrienne T. Pilot, William E. Reid, Jr., John A. Rusinko, Victor A. Sahadachny, and Jaime Zenzano.

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

Estimates of nonfarm proprietors' income, dividends, interest, rent, transfer payments, and personal contributions for social insurance were prepared by the Proprietors' Income Branch under the supervision of Bruce Levine, Chief. Major responsibilities were assigned to Charles A. Jolley. Contributing staff members were Kirk Fox, John M. Reed, Marian B. Sacks, Ellen M. Wright, and Marianne A. Ziver.

The assembly of public use tabulations and data files and the preparation of the text and tables for this article were performed by the Regional Economic Information System Branch. Major responsibilities were assigned to Kathy A. Albetski, Wallace K. Bailey, Kenneth P. Berkman, and Gary V. Kennedy. Secretarial support was provided by Hilda G. Tolson. Contributing staff members were Louise T. Johnson, Susan J. Lease-Trevathan, Lela S. Lester, Jeffrey L. Newman, Michael J. Paris, Darlene C. Robinson, Elizabeth R. Self, Monique B. Tyes, and Mary C. Williams.

1. For a discussion of the metropolitan area concepts and a list of the areas and their components, see U.S. Department of Commerce, Bureau of the Census, *Statistical Abstract of the United States: 1990* (Washington: GPO, 1989): 908-917.

Definition of total and per capita personal income

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

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

The definitions underlying the local area estimates of personal income are essentially the same as those underlying the personal income estimates in the national income and product accounts. The major difference is that the national estimates include the labor earnings of residents of the United States temporarily working abroad, whereas the local area estimates include only the income of persons residing in the 50 States and the District

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

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

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

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

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

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

Data Availability

Personal income by type of payment and earnings by SIC industry division, as shown in table A, are available for metropolitan areas and counties for 1969-88. An expanded version of this table, which includes earnings by two-digit SIC industry, is also available. In addition, there are supplemental tables for employment by industry division, transfer payments by program, and major categories of farm income and expenses.

These tables are available on magnetic tape, computer printouts, and microcomputer diskettes. Magnetic tape files are priced at \$100 per reel. For each table except the more detailed (two-digit SIC industry) income table, all years of data for all the counties or for all the metropolitan areas of the Nation are available on a single reel. The county file of the more detailed income table occupies two reels. The tables in forms other than magnetic tape are priced by page or diskette; the cost of an order will depend on the number of table series, areas, and years of data ordered.

For further information or to place an order, call (202) 523-0966 or write to Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Table A.—Example of Available Data for Local Areas: Personal Income by Major Source and Earnings by Major Industry, 1983-88¹

New London County, Connecticut	1983	1984	1985	1986	1987	1988
[Thousands of dollars]						
Income by Place of Residence						
Total personal income.....	3,329,695	3,666,298	3,884,327	4,038,570	4,377,273	4,684,431
Nonfarm personal income.....	3,307,540	3,629,839	3,854,425	4,000,385	4,339,770	4,647,757
Farm income ²	22,155	36,459	29,902	38,185	37,503	36,674
Population (thousands) ³	2,442	2,459	2,455	2,441	2,451	2,476
Per capita personal income (dollars).....	13,637	14,907	15,825	16,544	17,862	18,917
Derivation of total personal income:						
Total earnings by place of work.....	2,620,860	2,881,734	3,046,348	3,044,324	3,298,769	3,479,935
Less: Personal contributions for social insurance ⁴	151,142	166,846	184,217	184,031	200,402	221,570
Plus: Residence adjustment ⁵	-84,129	-83,272	-75,655	9,992	21,513	61,839
Equals: Net earnings by place of residence.....	2,385,589	2,631,616	2,786,476	2,870,285	3,119,880	3,320,304
Plus: Dividends, interest, and rent ⁶	515,267	587,044	615,435	653,755	718,284	792,993
Plus: Transfer payments.....	428,839	447,638	482,416	514,530	539,109	571,134
Earnings by Place of Work						
Components of earnings:						
Wage and salary disbursements.....	2,230,534	2,448,172	2,598,705	2,582,388	2,806,246	2,963,288
Other labor income.....	250,246	260,044	264,314	258,388	279,518	288,084
Proprietors' income ⁷	140,080	173,518	183,329	203,548	213,005	228,463
Farm.....	12,928	27,498	20,813	29,059	27,761	26,772
Nonfarm.....	127,152	146,020	162,516	174,489	185,244	201,691
Earnings by industry:						
Farm.....	22,155	36,459	29,902	38,185	37,503	36,674
Nonfarm.....	2,598,705	2,845,275	3,016,446	3,006,139	3,261,266	3,443,161
Private.....	2,043,003	2,225,820	2,357,958	2,323,852	2,517,767	2,652,656
Agricultural services, forestry, fisheries, and other ⁸	5,962	5,486	7,250	8,247	11,919	14,311
Mining.....	5,810	6,629	9,191	3,512	3,945	4,267
Construction.....	311,861	352,685	303,952	171,244	182,326	218,260
Manufacturing.....	953,525	1,002,541	1,068,113	1,079,060	1,103,640	1,054,683
Nondurable goods.....	204,148	217,847	237,860	251,683	264,750	270,498
Durable goods.....	749,377	784,694	830,253	827,377	838,890	784,185
Transportation and public utilities.....	111,606	126,082	151,110	150,454	166,640	173,389
Wholesale trade.....	63,010	67,355	74,281	75,538	87,868	96,139
Retail trade.....	209,669	231,850	257,778	281,863	310,313	341,042
Finance, insurance, and real estate.....	41,824	46,642	51,216	61,118	83,986	93,226
Services.....	339,736	386,550	435,067	492,811	567,130	657,339
Government and government enterprises.....	555,702	619,455	658,488	682,287	743,499	790,505
Federal, civilian.....	104,385	116,568	119,037	119,773	132,660	140,464
Military.....	246,283	273,489	284,586	288,024	297,291	298,777
State and local.....	205,034	229,398	254,865	274,490	313,548	351,264

1. Estimates based on 1972 SIC.

2. Farm income consists of proprietors' net farm income, the wages of hired farm labor, the pay-in-kind of hired farm labor, and the salaries of officers of corporate farms.

3. Midyear population estimates of the Bureau of the Census. Estimates for 1986-88 reflect revisions available as of September 1989. In some instances, estimates prior to 1986 are not consistent with those for 1986-88.

4. Personal contributions for social insurance are included in earnings by type and industry but are excluded from personal income.

5. U.S. adjustment for residence consists of adjustments for border workers; income of U.S. residents commuting outside U.S. borders to work less income of foreign residents commuting inside U.S. borders to work plus certain Caribbean seasonal workers.

6. Includes the capital consumption adjustment for rental income of persons.

7. Includes the inventory valuation and capital consumption adjustments.

8. "Other" consists of the wages and salaries of U.S. residents employed by international organizations and foreign embassies and consulates in the United States.

^a Not shown to avoid disclosure of confidential information.

^b Less than \$50,000. Estimates are included in totals.

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1986–88

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³					
	Millions of dollars			Percent change ²	Dollars			Millions of dollars	Percent change ²		Millions of dollars	Percent change ²				
	1986	1987	1988		1986	1987	1988				1986	1987	1988			
							1988						1988			
United States ¹	3,519,364	3,766,092	4,053,282	7.6	14,597	15,472	16,490	Cincinnati, OH-KY-IN *	20,822	22,373	24,097	7.7	14,550	15,507	16,633	92
Metropolitan portion	2,888,282	3,099,897	3,344,112	7.9	15,572	16,520	17,622	Clarksville-Hopkinsville, TN-KY	1,621	1,762	1,874	6.3	10,356	11,215	11,796	305
Nonmetropolitan portion	631,082	666,195	709,170	6.5	11,344	11,946	12,657	Cleveland, OH *	29,730	31,407	33,520	6.7	15,956	16,905	18,168	51
Consolidated Metropolitan Statistical Areas ⁴								Colorado Springs, CO	5,407	5,768	6,091	5.6	14,240	14,737	15,464	136
Buffalo, NY	16,743	17,642	18,918	7.2	14,222	15,057	16,093	Columbia, MO	1,414	1,531	1,646	7.5	13,519	14,486	15,556	134
Chicago, IL	133,258	142,695	154,202	8.1	16,441	17,518	18,849	Columbia, SC	5,736	6,189	6,730	8.7	12,927	13,790	14,745	164
Cincinnati, OH	24,562	26,405	28,392	7.5	14,424	15,354	16,426	Columbus, GA-AL	2,771	2,961	3,142	6.1	11,282	11,993	12,726	280
Cleveland, OH	42,361	44,795	47,860	6.8	15,239	16,137	17,284	Columbus, OH	18,878	20,295	21,846	7.6	14,437	15,309	16,251	110
Dallas, TX	61,218	63,924	67,353	5.4	16,796	17,127	17,884	Corpus Christi, TX	4,189	4,192	4,442	6.0	11,561	11,674	12,408	293
Denver, CO	31,084	32,316	33,919	5.0	16,856	17,409	18,256	Cumberland, MD-WV	1,148	1,204	1,283	6.5	11,165	11,734	12,531	289
Detroit, MI	76,957	80,825	86,425	6.9	16,707	17,469	18,706	Dallas, TX *	41,937	43,693	45,987	5.3	17,400	17,775	18,580	44
Houston, TX	55,841	54,721	58,732	7.3	14,728	15,109	16,129	Danville, VA	1,281	1,369	1,474	7.7	11,751	12,658	13,643	236
Los Angeles, CA	221,356	241,923	260,773	7.8	16,869	17,976	18,938	Davenport-Rock Island-Moline, IA-IL	5,009	5,268	5,539	5.2	13,519	14,384	15,208	149
Miami, FL	46,157	50,367	54,975	9.1	15,899	17,073	18,322	Dayton-Springfield, OH	13,446	14,142	15,269	8.0	14,350	15,013	16,107	114
Milwaukee, WI	24,410	25,877	27,858	7.7	15,709	16,614	17,724	Daytona Beach, FL	4,216	4,594	5,032	9.5	13,074	13,718	14,446	183
New York, NY	338,732	366,904	398,330	8.6	18,927	20,446	22,148	Decatur, AL	1,497	1,599	1,721	7.6	11,606	12,210	12,975	269
Philadelphia, PA	94,734	102,652	111,182	8.3	16,197	17,367	18,644	Decatur, IL	1,709	1,794	1,919	7.0	13,505	14,381	15,519	135
Pittsburgh, PA	33,122	34,713	37,022	6.7	14,304	15,145	16,208	Denver, CO *	27,417	28,396	29,776	4.9	16,824	17,316	18,155	52
Portland, OR	19,892	21,233	23,258	9.5	14,516	15,338	16,446	Des Moines, IA	5,776	6,205	6,721	8.3	15,184	16,122	17,156	68
San Francisco, CA	116,832	125,127	135,838	8.6	19,890	21,037	22,483	Detroit, MI	72,094	75,527	80,754	6.9	16,594	17,313	18,554	45
Seattle, WA	38,153	41,216	44,877	8.9	16,611	17,529	18,538	Dothan, AL	1,467	1,600	1,709	6.8	11,456	12,331	13,037	264
Metropolitan Statistical Areas ⁵								Dubuque, IA	1,077	1,163	1,228	5.5	11,873	12,839	13,500	243
Abilene, TX	1,625	1,660	1,735	4.5	13,055	13,433	14,243	Eau Claire, WI	2,867	2,995	3,199	6.8	11,767	12,389	13,253	251
Akron, OH *	9,223	9,741	10,420	7.0	14,240	15,018	15,946	El Paso, TX	1,656	1,758	1,873	6.5	12,134	12,786	13,530	240
Albany, GA	1,302	1,360	1,454	7.0	11,068	11,610	12,504	Elkhart-Goshen, IN	5,148	5,475	5,864	7.1	9,192	9,541	10,008	314
Albany-Schenectady-Troy, NY	12,633	13,591	14,718	8.3	14,992	16,118	17,299	Elmira, NY	2,028	2,209	2,378	7.6	13,766	14,817	15,732	125
Albuquerque, NM	6,540	7,003	7,405	5.7	13,778	14,373	15,019	Enid, OK	1,145	1,229	1,327	8.0	12,091	13,542	14,471	183
Alexandria, LA	1,530	1,586	1,668	5.1	10,928	11,366	12,097	Erie, PA	849	835	873	4.5	13,611	14,013	14,968	160
Allentown-Bethlehem, PA-NJ	9,964	10,804	11,636	7.5	15,147	16,188	17,185	Eugene-Springfield, OR	3,497	3,673	3,934	7.1	12,552	13,238	14,201	209
Altoona, PA	1,529	1,606	1,686	5.0	11,546	12,097	12,724	Evansville, IN-KY	3,224	3,484	3,774	8.3	12,209	13,085	13,973	224
Amarillo, TX	2,667	2,796	2,873	2.7	13,577	14,166	14,634	Fargo-Moorhead, ND-MN	1,920	2,011	2,109	4.9	13,180	13,671	14,219	205
Anaheim-Santa Ana, CA *	43,396	47,613	51,353	7.9	19,966	21,486	22,753	Fayetteville, NC	2,795	2,997	3,225	7.6	10,976	11,673	12,612	284
Anchorage, AK	4,825	4,678	4,772	2.0	21,299	21,142	21,840	Fayetteville-Springdale, AR	1,239	1,316	1,421	8.0	11,563	12,084	12,844	274
Anderson, IN	1,723	1,747	1,905	9.0	12,966	13,225	14,450	Flint, MI	6,555	6,385	6,619	3.7	15,095	14,705	15,367	142
Anderson, SC	1,542	1,665	1,797	7.9	11,011	11,778	12,559	Florence, SC	1,231	1,317	1,426	8.3	10,572	11,256	12,094	300
Ann Arbor, MI *	4,863	5,298	5,671	7.0	18,581	20,049	21,175	Fort Collins-Loveland, CO	2,361	2,536	2,700	6.5	13,452	14,156	14,839	162
Amiston, AL	1,290	1,359	1,440	5.9	10,587	11,043	11,679	Fort Lauderdale-Hollywood-Pompano Beach, FL *	20,440	22,283	24,373	9.4	17,947	19,155	20,533	23
Appleton-Oshkosh-Neenah, WI	4,209	4,487	4,792	6.8	13,785	14,553	15,316	Fort Myers-Cape Coral, FL	4,237	4,742	5,221	10.1	15,075	16,013	16,890	79
Asheville, NC	2,134	2,297	2,489	8.4	12,571	13,403	14,380	Fort Pierce, FL	3,108	3,499	3,894	11.3	14,816	15,811	16,798	86
Athens, GA	1,721	1,859	2,025	8.9	13,208	13,086	13,997	Fort Smith, AR-OK	1,952	2,075	2,212	6.6	11,113	11,637	12,242	295
Atlanta, GA	42,124	46,357	50,354	8.6	16,417	17,453	18,400	Fort Walton Beach, FL	1,651	1,818	1,957	7.7	11,731	12,437	12,995	265
Atlantic City, NJ	5,575	6,102	6,651	9.0	18,669	20,105	21,512	Fort Wayne, IN	5,141	5,541	6,001	8.3	14,337	15,195	16,336	106
Angusta, GA-SC	4,850	5,082	5,448	7.2	12,461	12,956	13,744	Fort Worth-Arlington, TX *	19,281	20,231	21,366	5.6	15,617	15,876	16,551	97
Aurora-Elgin, IL *	5,448	6,002	6,571	9.5	16,044	17,318	18,492	Fresno, CA	7,921	8,582	9,230	7.5	13,551	14,347	15,012	158
Austin, TX	10,637	10,933	11,483	5.0	14,548	14,656	15,342	Gadsden, AL	1,084	1,162	1,230	5.9	10,540	11,323	11,956	304
Bakersfield, CA	6,579	6,913	7,434	7.5	13,355	13,669	14,296	Gainesville, FL	2,301	2,510	2,727	8.6	11,453	12,250	13,133	260
Baltimore, MD	37,784	41,004	44,531	8.6	16,328	17,746	19,010	Galveston-Texas City, TX *	2,995	3,064	3,270	6.7	14,126	14,644	15,572	133
Bangor, ME (NECMA)	1,651	1,811	1,985	9.6	11,293	12,987	14,039	Gary-Hammond, IN *	7,736	8,187	8,817	7.7	12,642	13,437	14,403	188
Baton Rouge, LA	6,728	6,875	7,396	7.6	12,374	12,763	13,784	Glens Falls, NY	1,349	1,473	1,602	8.8	12,006	12,898	13,791	231
Battle Creek, MI	1,740	1,855	1,979	6.7	12,660	13,370	14,215	Grand Forks, ND	832	884	902	2.1	11,941	12,638	12,801	275
Beaumont-Port Arthur, TX	4,811	4,901	5,168	5.5	12,899	13,323	14,203	Grand Rapids, MI	9,406	10,168	11,118	9.3	14,678	15,594	16,713	87
Beaver County, PA *	2,324	2,403	2,500	4.1	12,108	12,621	13,172	Greeley, CO	1,038	1,082	1,141	5.5	13,200	13,819	14,597	178
Bellingham, WA	1,454	1,566	1,656	5.7	12,835	13,574	13,950	Green Bay, WI	1,621	1,713	1,811	5.7	11,997	12,622	13,296	250
Binghamton, NY	3,665	3,876	4,144	6.9	14,043	14,944	15,925	Greensboro-Winston-Salem-High Point, NC	13,013	14,089	15,364					

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1986-88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Percent change ²	Dollars			Millions of dollars			Percent change ²	Dollars		Rank in U.S.			
	1986	1987	1988	1987-88	1986	1987	1988	1986	1987	1988	1987-88	1986	1987	1988			
Kenosha, WI *	1,692	1,863	2,060	10.6	14,179	15,491	16,810	85	Portsmouth-Dover-Rochester, NH (NECMA)	5,293	5,861	6,449	10.0	16,827	18,039	19,285	32
Killeen-Temple, TX	2,703	2,839	3,004	5.8	11,662	11,987	12,538	288	Poughkeepsie, NY	4,353	4,700	5,060	7.7	17,023	18,153	19,297	31
Knoxville, TN	7,216	7,845	8,525	8.7	12,261	13,202	14,218	206	Providence-Pawtucket-Woonsocket, RI (NECMA)	12,870	13,943	15,135	8.5	14,450	15,458	16,668	89
Kokomo, IN	1,403	1,436	1,562	8.8	13,888	14,415	15,786	122	Provo-Orem, UT	2,080	2,187	2,425	10.9	8,683	9,052	9,993	315
La Crosse, WI	1,274	1,366	1,463	7.1	13,499	14,389	15,312	146	Pueblo, CO	1,407	1,455	1,550	6.5	11,106	11,422	12,145	298
Lafayette, LA	2,701	2,594	2,805	8.1	12,422	12,207	13,380	249	Racine, WI *	2,508	2,674	2,863	7.1	14,648	15,567	16,475	100
Lake Charles, LA	1,949	2,037	2,148	5.5	11,272	11,824	12,461	291	Raleigh-Durham, NC	10,147	11,063	12,078	9.2	15,600	16,639	17,671	59
Lake County, IL *	9,746	10,869	11,892	9.4	20,453	22,382	24,009	5	Rapid City, SD	972	1,032	1,081	4.7	12,411	12,783	13,176	255
Lakeland-Winter Haven, FL	4,412	4,831	5,314	10.0	11,684	12,499	13,427	246	Reading, PA	5,075	5,458	5,857	7.3	15,780	16,782	17,798	38
Lancaster, PA	5,838	6,383	6,881	7.8	14,766	15,748	16,616	93	Redding, CA	1,690	1,856	2,018	8.7	12,764	13,678	14,439	186
Lansing-East Lansing, MI	5,973	6,293	6,728	6.9	14,180	14,793	15,705	128	Reno, NV	3,914	4,252	4,713	10.8	17,298	18,244	19,660	28
Laredo, TX	827	876	961	9.7	6,729	6,963	7,452	318	Richland-Kennewick-Pasco, WA	1,980	2,070	2,137	3.2	13,551	14,078	14,599	177
Las Cruces, NM	1,136	1,228	1,293	5.2	9,209	9,567	9,791	316	Richmond-Petersburg, VA	13,148	14,457	15,718	8.7	16,175	17,454	18,617	43
Las Vegas, NV	8,568	9,521	10,718	12.6	15,032	15,893	16,979	76	Riverside-San Bernardino, CA *	28,724	32,240	35,655	10.6	14,344	15,125	15,655	130
Lawrence, KS	860	921	993	7.7	11,710	12,313	12,980	267	Roanoke, VA	3,261	3,487	3,693	5.9	14,760	15,750	16,667	90
Lawton, OK	1,267	1,327	1,362	2.7	10,520	11,060	11,420	310	Rochester, MN	1,631	1,731	1,848	6.7	16,694	17,537	18,299	49
Lewiston-Auburn, ME (NECMA)	1,243	1,370	1,499	9.5	12,412	13,538	14,511	181	Rochester, NY	15,753	16,477	17,910	8.7	16,141	16,915	18,273	50
Lexington-Fayette, KY	4,737	5,122	5,471	6.8	13,948	14,865	15,725	126	Rockford, IL	4,072	4,315	4,671	8.3	14,526	15,352	16,554	96
Lima, OH	2,012	2,105	2,290	8.8	12,974	13,493	14,609	174	Sacramento, CA	19,884	21,774	23,617	8.5	15,415	16,280	17,050	72
Lincoln, NE	2,789	2,980	3,190	7.1	13,517	14,322	15,078	151	Saginaw-Bay City-Midland, MI	5,566	5,837	6,243	7.0	13,708	14,374	15,371	141
Little Rock-North Little Rock, AR	6,770	7,118	7,536	5.9	13,923	14,793	16,688	168	St. Cloud, MN	2,058	2,209	2,380	7.7	11,759	12,431	13,135	259
Longview-Marshall, TX	2,088	2,126	2,237	5.2	12,424	12,738	13,421	247	St. Joseph, MO	1,089	1,138	1,202	5.7	12,637	13,245	14,080	218
Lorain-Elyria, OH *	3,409	3,647	3,920	7.5	12,679	13,522	14,492	182	St. Louis, MO-JL	38,671	41,210	43,922	6.6	15,861	16,783	17,806	57
Los Angeles-Long Beach, CA *	138,876	150,640	161,368	7.1	16,665	17,761	18,790	40	Salinas-Seaside-Monterey, CA	5,213	5,582	5,941	6.4	15,421	16,251	17,035	73
Louisville, KY-IN	13,184	14,132	15,164	7.3	13,673	14,616	15,682	129	Salt Lake City-Ogden, UT	12,491	13,176	13,941	5.8	11,991	12,476	13,090	262
Lubbock, TX	2,754	2,892	3,046	5.3	12,152	12,717	13,432	245	San Angelo, TX	1,277	1,326	1,387	4.6	13,063	13,492	13,969	225
Lynchburg, VA	1,718	1,851	1,995	7.8	11,830	12,747	13,715	235	San Antonio, TX	16,206	16,777	17,778	6.0	12,669	12,750	13,436	244
Macon-Warner Robins, GA	3,492	3,786	4,091	8.1	12,463	13,381	14,266	202	San Diego, CA	34,944	38,075	41,661	9.4	15,847	16,654	17,576	60
Madison, WI	5,444	5,901	6,319	7.1	15,840	17,011	17,909	55	San Francisco, CA *	36,465	38,817	41,834	7.8	23,067	24,472	26,309	2
Manchester-Nashua, NH (NECMA)	5,744	6,360	6,975	9.7	18,170	19,597	20,998	22	San Jose, CA *	28,413	30,563	33,196	8.6	20,270	21,630	23,181	7
Mansfield, OH	1,698	1,772	1,885	6.4	13,219	13,783	14,609	174	Santa Barbara-Santa Maria-Lompoc, CA	6,024	6,378	6,828	7.0	17,901	18,689	19,897	26
McAllen-Edinburg-Mission, TX	2,475	2,634	2,833	7.5	6,720	6,933	7,302	319	Santa Cruz, CA *	3,623	3,949	4,304	9.0	16,676	17,770	18,983	38
Medford, OR	1,644	1,794	1,932	7.7	11,712	12,534	13,249	252	Santa Fe, NM	1,606	1,722	1,822	5.8	14,846	15,452	16,202	111
Melbourne-Titusville-Palm Bay, FL	5,037	5,493	5,992	9.1	13,944	14,689	15,432	140	Santa Rosa-Petaluma, CA *	6,022	6,563	7,168	9.2	17,516	18,331	19,584	29
Middlesex-Somerset-Hunterdon, NJ *	20,256	22,205	24,594	10.8	21,357	22,987	25,140	4	Sarasota, FL	4,776	5,247	5,760	9.8	19,160	20,559	22,100	15
Midland, TX	1,746	1,697	1,818	7.2	15,785	15,860	16,947	77	Savannah, GA	3,178	3,374	3,578	6.0	13,345	13,965	14,642	171
Milwaukee, WI *	21,902	23,203	24,995	7.7	15,840	16,744	17,880	56	Scranton-Wilkes-Barre, PA	9,267	9,890	10,635	7.5	12,754	13,554	14,437	187
Minneapolis-St.Paul, MN-WI	39,501	42,661	46,248	8.4	17,200	18,272	19,371	30	Seattle, WA *	31,003	33,582	36,680	9.2	17,585	18,583	19,703	27
Mobile, AL	5,293	5,585	5,941	6.4	11,058	11,543	12,233	296	Sharon, PA	1,430	1,497	1,608	7.4	11,551	12,189	13,140	258
Modesto, CA	4,040	4,416	4,745	7.4	12,839	13,478	13,913	228	Sheboygan, WI	1,460	1,547	1,665	7.6	14,309	15,112	16,165	113
Monmouth-Ocean, NJ *	17,803	19,607	21,463	9.5	19,028	20,508	21,159	144	Sherman-Denison, TX	1,297	1,342	1,405	4.7	13,083	13,623	14,347	196
Monroe, LA	1,635	1,668	1,754	5.2	11,199	11,516	12,184	297	Shreveport, LA	4,491	4,553	4,725	3.8	12,262	12,534	13,156	257
Montgomery, AL	3,665	3,940	4,227	7.3	12,475	13,205	14,053	219	Sioux City, IA-NE	1,472	1,579	1,659	5.1	12,763	13,796	14,341	197
Muncie, IN	1,488	1,556	1,660	6.6	12,364	12,910	13,819	229	Sioux Falls, SD	1,678	1,791	1,918	7.1	13,807	14,562	15,285	147
Muskegon, MI	1,908	2,023	2,134	5.5	12,043	12,665	13,226	253	South Bend-Mishawaka, IN	3,364	3,607	3,846	6.6	13,917	14,837	15,745	124
Naples, FL	2,282	2,660	2,992	12.5	18,465	20,344	21,595	18	Spokane, WA	4,578	4,835	5,123	6.0	12,863	13,598	14,373	192
Nashville, TN	13,414	14,723	15,799	7.3	14,388	15,372	16,258	109	Springfield, IL	2,844	3,066	3,271	6.7	14,993	16,110	17,039	71
Nassau-Suffolk, NY *	53,482	58,386	63,155	8.2	20,341	22,215	23,932	6	Springfield, MO	2,965	3,157	3,373	6.9	13,099	13,672	14,400	189
New Bedford-Fall River-Attleboro, MA (NECMA)	7,115	7,803	8,484	8.7	14,984	16,347	17,566	61	Springfield, MA (NECMA)	8,624	9,392	10,236	9.0	14,821	15,980	17,283	65
New Haven-Waterbury-Meriden, CT (NECMA)	13,481	14,731	16,088	9.2	17,207	18,669	20,251	25	State College, PA	1,357	1,489	1,613	8.3	11,941	12,985	13,945	227
New London-Norwich, CT (NECMA)	4,039	4,377	4,684	7.0	16,544	17,862	18,917	39	Steubenville-Weirton, OH-WV	1,742	1,784	1,917	7.4	11,542	11,991	12,978	268
New Orleans, LA	17,178	17,434	18,342	5.2	12,896	13,231</td											

Table 2.—Total Personal Income and Per Capita Personal Income by County,
1986–88

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³					
	Millions of dollars			Percent change ²	Dollars			Millions of dollars			Percent change ²	Dollars		Rank in State		
	1986	1987	1988		1986	1987		1986	1987	1988		1986	1987			
United States ¹	3,519,364	3,766,092	4,053,282	7.6	14,597	15,472	16,490	Haines Borough.....	43	47	57	20.5	24,475	27,873	33,599	1
Metropolitan portion.....	2,888,282	3,099,897	3,344,112	7.9	15,572	16,520	17,622	Juneau Borough.....	580	594	613	3.1	21,134	22,263	23,286	4
Nonmetropolitan portion.....	631,082	666,195	709,170	6.5	11,344	11,946	12,657	Kenai Peninsula Borough.....	641	626	657	5.0	15,494	15,109	16,024	16
Alabama.....	46,003	49,165	52,700	7.2	11,357	12,039	12,846	Ketchikan Gateway Borough.....	248	262	282	7.4	20,773	22,470	23,551	3
Metropolitan portion.....	32,940	35,310	37,833	7.1	12,119	12,839	13,670	Kodiak Island Borough.....	212	217	229	5.4	15,944	16,372	16,641	15
Nonmetropolitan portion.....	13,063	13,856	14,867	7.3	9,803	10,390	11,136	Matanuska-Susitna Borough.....	542	522	521	-3	13,667	13,187	13,421	19
Autauga.....	381	410	452	10.4	11,041	11,658	12,663	Nome.....	103	108	111	3.2	13,260	14,248	14,346	18
Baldwin.....	1,043	1,121	1,209	7.9	11,262	11,836	12,538	North Slope Borough.....	107	107	109	2.0	20,472	20,541	19,979	10
Barbour.....	250	267	295	10.5	9,847	10,438	11,497	Northwest Arctic Borough.....	75	75	81	7.6	12,768	12,663	13,312	20
Bibb.....	155	163	177	9.0	9,403	9,659	10,509	Prince of Wales-Outer Ketchikan.....	77	76	83	9.6	14,503	14,637	15,462	17
Blount.....	366	393	422	7.2	9,603	10,321	10,987	Sitka Borough.....	148	150	164	9.0	18,899	19,811	20,922	8
Bullock.....	84	88	101	13.9	7,962	8,078	9,187	Skagway-Yukatna-Angoon.....	67	66	68	3.8	18,958	17,422	17,849	12
Calhoun.....	1,290	1,359	1,440	5.9	10,587	11,043	11,679	Southeast Fairbanks.....	83	75	79	6.3	12,504	11,403	12,273	22
Chambers.....	396	427	449	5.1	9,961	10,738	11,318	Valdez-Cordova.....	187	185	202	9.1	21,061	20,842	22,818	6
Cherokee.....	179	199	219	9.9	9,179	10,068	10,951	Wade Hampton.....	46	49	49	.4	8,774	8,999	8,798	24
Chilton.....	309	332	347	4.7	9,749	10,452	10,797	Wrangell-Petersburg.....	134	146	158	8.0	20,606	21,720	22,998	5
Choctaw.....	152	156	165	5.6	8,914	9,202	9,672	Yukon-Koyukuk.....	113	110	117	6.0	12,469	11,855	12,410	21
Clarke.....	274	287	303	5.8	9,921	10,320	10,964	Arizona.....	44,769	48,713	52,253	7.3	13,657	14,333	14,983	
Clay.....	129	139	148	7.2	9,634	10,544	11,327	Metropolitan portion.....	37,089	40,337	43,261	7.2	14,823	15,509	16,229	
Cleburne.....	120	125	132	5.5	9,427	9,699	10,206	Nonmetropolitan portion.....	7,680	8,376	8,992	7.4	9,898	10,499	10,942	
Coffee.....	445	472	506	7.2	10,979	11,714	12,527	Apache.....	364	393	415	5.6	6,630	6,642	6,756	15
Colbert.....	560	585	625	6.9	10,422	10,978	11,757	Cochise.....	961	1,037	1,094	5.5	9,953	10,389	10,896	11
Conceuh.....	141	146	156	7.2	9,197	9,545	10,413	Coconino.....	940	1,014	1,094	7.9	10,732	11,215	11,627	7
Coosa.....	98	101	108	6.8	7,875	9,025	9,755	Gila.....	365	388	422	8.9	9,382	9,847	10,403	12
Covington.....	380	393	421	7.4	10,387	10,772	11,511	Graham.....	191	209	226	8.0	8,185	8,787	9,271	13
Crenshaw.....	131	135	151	12.3	9,473	9,770	10,909	Greenlee.....	80	83	89	7.0	9,717	10,320	11,170	9
Cullman.....	726	746	804	7.7	11,086	11,310	12,138	La Paz.....	133	157	178	13.5	9,620	11,102	12,471	4
Dale.....	525	572	610	6.7	10,684	11,570	12,179	Maricopa.....	29,064	31,725	34,126	7.6	15,312	16,039	16,815	1
Dallas.....	479	492	519	5.5	8,841	9,277	9,918	Mohave.....	793	880	943	7.1	10,372	11,218	11,308	8
De Kalb.....	566	616	665	8.0	10,418	11,266	12,082	Navajo.....	600	646	667	3.3	8,198	8,702	8,883	14
Elmore.....	536	577	620	7.3	11,206	11,685	12,333	Yuma.....	958	1,053	1,144	8.7	10,845	11,653	12,312	5
Escambia.....	362	376	399	6.0	9,934	10,381	11,157	Arkansas.....	26,052	27,302	29,255	7.2	10,987	11,433	12,216	
Etowah.....	1,084	1,162	1,230	5.9	10,540	11,323	11,956	Metropolitan portion.....	11,505	12,111	12,895	6.5	12,330	12,823	13,573	
Fayette.....	182	188	196	4.2	9,499	9,977	10,553	Nonmetropolitan portion.....	14,547	15,190	16,359	7.7	10,116	10,518	11,324	
Franklin.....	316	330	344	4.3	11,144	11,736	12,277	Arkansas.....	264	256	299	16.4	11,408	11,250	13,240	6
Geneva.....	247	264	282	7.1	10,468	11,224	12,012	Ashley.....	274	295	307	3.9	10,487	11,336	11,821	19
Greene.....	79	88	93	4.8	7,180	8,134	8,531	Baxter.....	378	391	410	5.0	12,496	12,678	13,185	7
Hale.....	110	116	125	7.3	7,146	7,546	8,018	Benton.....	1,156	1,229	1,340	9.0	12,961	13,235	14,011	3
Henry.....	151	167	183	9.1	10,119	11,142	12,185	Boone.....	305	326	349	7.1	10,811	11,470	12,164	17
Houston.....	943	1,028	1,098	6.8	11,936	12,799	13,568	Bradley.....	131	133	142	6.8	9,912	10,247	11,030	35
Jackson.....	473	502	540	7.6	9,541	10,099	10,863	Calhoun.....	49	51	55	8.7	8,065	8,372	9,171	68
Jefferson.....	9,216	9,859	10,525	6.8	13,634	14,519	15,499	Carroll.....	206	215	225	4.7	11,450	11,754	12,264	14
Lamar.....	164	170	180	5.8	9,913	10,396	11,103	Chicot.....	120	132	154	16.7	6,948	7,798	9,252	65
Lauderdale.....	870	923	998	8.1	10,591	11,230	12,121	Clark.....	229	229	239	4.7	10,111	10,328	10,960	36
Lawrence.....	290	300	320	6.7	9,335	9,649	10,263	Clay.....	180	198	217	9.8	9,261	10,247	11,328	27
Lee.....	881	953	1,021	7.1	10,857	11,814	12,531	Cleburne.....	193	199	211	5.8	10,077	10,204	10,681	46
Limestone.....	564	626	692	10.6	11,184	12,112	13,118	Cleveland.....	84	86	92	7.4	10,219	10,489	11,260	28
Lowndes.....	102	113	128	13.7	7,793	8,561	9,828	Columbia.....	302	306	325	6.5	11,239	11,398	12,132	18
Macon.....	201	210	220	4.8	7,724	7,953	8,371	Conway.....	204	210	224	6.4	10,654	11,003	11,767	21
Madison.....	3,198	3,541	3,866	9.2	14,207	15,320	16,330	Craighead.....	709	771	827	7.4	11,193	11,961	12,680	11
Marengo.....	225	238	254	6.8	9,130	9,655	10,427	Crawford.....	402	427	458	7.2	9,644	10,019	10,436	54
Marion.....	273	286	304	6.4	8,892	9,291	9,926	Crittenden.....	459	493	542	9.9	9,103	9,729	10,562	50
Marshall.....	804	842	914	8.6	11,302	11,685	12,507	Cross.....	180	190	227	19.3	8,808	9,374	11,251	29
Mobile.....	4,251	4,464	4,731	6.0	11,009	11,472	12,157	Dallas.....	103	107	114	6.2	9,896	10,258	11,055	34
Monroe.....	212	229	252	9.7	9,352	10,061	10,902	Desho.....	158	173	196	13.2	8,160	9,067	10,416	55
Montgomery.....	2,749	2,953	3,155	6.8	12,996	13,810	14,687	Drew.....	161	179	188	4.9	9,020	10,072	10,658	47
Morgan.....	1,207	1,300	1,401	7.8	12,327	13,006	13,809	Faulkner.....	632	679	722	6.4	11,964	12,444	12,843	9
Perry.....	95	102	110	7.9	6,369	6,807	7,477	Franklin.....	157	160	168	5.0	10,111	10,224	10,713	44
Pickens.....	180	193	210	8.7	8,161	8,900	9,780	Fulton.....	81	84	89	5.8	7,840	8,076	8,493	73
Pike.....	269	287	313	8.8	9,607	10,246	11,176	Garland.....	921	966	1,021</					

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars		Percent change ²	Dollars		Rank in State		Millions of dollars		Percent change ²	Dollars		Rank in State				
	1986	1987	1988	1986	1987	1988		1986	1987	1988	1986	1987	1988				
Miller.....	425	438	466	6.3	10,818	11,132	11,805	20	Ventura.....	10,361	11,430	12,397	8.5	16,904	18,170	19,152	11
Mississippi.....	521	561	626	11.5	8,952	9,764	10,940	37	Yolo.....	1,919	2,092	2,260	8.0	15,440	16,416	17,166	17
Monroe.....	98	106	129	22.7	7,544	8,223	10,345	57	Yuba.....	548	590	633	7.4	10,100	10,642	11,195	57
Montgomery.....	76	77	81	5.0	9,593	9,692	10,218	59	Colorado.....	49,420	51,637	54,337	5.2	15,137	15,681	16,459	.....
Nevada.....	110	109	114	4.4	10,151	10,147	10,782	43	Metropolitan portion.....	41,880	43,787	46,071	5.2	15,738	16,278	17,079	.....
Newton.....	60	64	68	5.9	7,375	7,845	8,294	74	Nonmetropolitan portion.....	7,541	7,849	8,265	5.3	12,491	13,016	13,693	.....
Ouachita.....	334	347	367	5.8	9,934	10,301	10,870	40	Adams.....	3,585	3,668	3,808	3.8	12,887	13,064	13,551	33
Perry.....	72	75	77	2.5	9,097	9,349	9,473	64	Alamosa.....	131	140	144	3.2	10,316	10,917	11,137	56
Phillips.....	246	255	292	14.5	7,429	7,881	9,176	67	Arapahoe.....	6,806	7,130	7,618	6.8	17,776	18,354	19,470	7
Pike.....	103	108	116	7.3	10,191	10,606	11,177	31	Archuleta.....	52	52	55	5.6	10,208	10,064	10,476	59
Poinsett.....	226	256	283	10.4	8,708	9,855	10,929	39	Baca.....	74	82	82	-2	15,113	16,703	16,755	15
Polk.....	173	171	182	6.2	10,145	10,020	10,466	53	Bent.....	59	60	62	2.6	10,168	10,683	11,325	53
Pope.....	468	478	517	8.2	10,781	10,826	11,554	22	Boulder.....	3,667	3,920	4,144	5.7	17,098	18,112	19,016	8
Prairie.....	87	88	103	16.5	8,628	8,769	10,344	58	Chaffee.....	155	160	163	1.8	12,053	12,379	12,759	43
Pulaski.....	5,050	5,287	5,571	5.4	14,167	14,747	15,612	1	Cheyenne.....	61	58	60	2.8	25,288	24,817	25,249	2
Randolph.....	147	155	165	6.1	8,825	9,274	9,885	61	Clear Creek.....	111	113	114	1.0	14,943	15,326	15,812	20
St. Francis.....	251	254	272	7.0	7,998	8,152	8,857	70	Conejos.....	55	58	59	1.7	6,808	7,187	7,307	63
Saline.....	681	715	761	6.5	11,778	12,069	12,577	12	Costilla.....	34	34	36	5.7	10,260	10,122	10,816	58
Scott.....	108	107	111	3.8	10,474	10,105	10,500	52	Crowley.....	30	33	39	17.3	9,522	10,575	11,826	49
Searcy.....	67	74	77	4.7	7,504	8,386	8,958	69	Custer.....	22	24	25	5.5	11,736	12,947	13,116	38
Sebastian.....	1,260	1,337	1,429	6.9	12,721	13,364	14,167	2	Delta.....	223	228	241	5.5	9,670	10,356	11,004	57
Sevier.....	147	149	155	3.9	10,411	10,565	11,106	33	Denver.....	8,714	8,915	9,206	3.3	17,167	17,784	18,703	10
Sharp.....	136	139	145	4.5	8,789	8,877	9,239	66	Dolores.....	20	22	25	15.7	12,419	13,901	16,365	17
Stone.....	79	80	84	5.6	7,949	7,922	8,280	75	Douglas.....	795	880	976	2.0	20,633	20,891	21,524	4
Union.....	616	629	656	4.4	12,559	12,844	13,464	4	Eagle.....	289	312	342	9.9	17,501	18,912	20,299	6
Van Buren.....	137	142	150	5.1	9,057	9,235	9,556	63	Elbert.....	131	142	150	5.9	15,276	15,486	15,781	21
Washington.....	1,239	1,316	1,421	8.0	11,563	12,084	12,844	8	El Paso.....	5,407	5,768	6,091	5.6	14,240	14,737	15,464	24
White.....	499	523	559	6.9	9,388	9,770	10,381	56	Fremont.....	355	365	379	3.9	11,119	11,045	11,544	51
Woodruff.....	90	91	107	18.0	8,611	8,916	10,853	42	Garfield.....	347	365	395	8.1	12,715	13,153	13,721	31
Yell.....	191	189	197	4.6	10,709	10,513	10,859	41	Gilpin.....	37	37	38	4.2	13,242	13,185	13,887	28
California.....	453,110	491,504	531,251	8.1	16,784	17,774	18,763	.....	Grand.....	120	123	128	4.1	13,573	14,192	15,180	25
Metropolitan portion.....	438,703	475,916	514,420	8.1	16,975	17,981	18,988	.....	Gunnison.....	114	116	122	5.7	11,202	11,587	12,316	44
Nonmetropolitan portion.....	14,407	15,588	16,830	8.0	12,492	13,150	13,762	.....	Hinsdale.....	7	7	8	7.0	13,166	14,334	15,500	23
Alameda.....	21,445	22,757	24,717	8.6	17,734	18,627	19,916	7	Huerfano.....	63	67	69	4.4	9,058	9,851	10,404	60
Alpine.....	17	18	20	11.8	13,272	15,285	16,920	20	Jackson.....	21	24	24	1.8	12,845	14,249	14,972	26
Amador.....	315	352	388	10.1	13,145	13,921	14,090	38	Jefferson.....	7,517	7,803	8,168	4.7	17,795	18,266	18,985	9
Butte.....	2,005	2,185	2,357	7.9	12,134	12,918	13,512	43	Kiowa.....	45	44	44	1.2	23,295	22,945	23,148	3
Calaveras.....	327	344	372	8.1	11,720	11,601	11,917	53	Kit Carson.....	123	133	133	-3	16,060	17,628	17,677	12
Colusa.....	213	231	248	7.6	13,771	15,519	16,158	22	Lake.....	62	57	54	-6.4	9,207	9,042	9,006	62
Contra Costa.....	14,964	16,091	17,607	9.4	20,515	21,601	23,011	5	La Plata.....	382	398	424	6.7	12,177	12,682	13,500	34
Del Norte.....	195	205	225	9.5	10,285	10,579	11,171	58	Larimer.....	2,361	2,536	2,700	6.5	13,452	14,156	14,839	27
El Dorado.....	1,585	1,780	1,957	10.0	14,635	15,620	16,137	23	Las Animas.....	136	144	156	8.1	9,554	10,259	11,232	55
Fresno.....	7,921	8,582	9,230	7.5	13,551	14,347	15,012	28	Lincoln.....	73	73	77	5.1	15,448	15,474	16,556	16
Glenn.....	306	340	351	3.1	13,350	14,822	14,983	30	Logan.....	239	241	247	2.4	12,353	12,791	13,309	35
Humboldt.....	1,472	1,580	1,680	6.4	13,038	13,844	14,454	32	Mesa.....	1,052	1,110	1,186	6.8	11,804	12,410	13,038	41
Imperial.....	1,150	1,225	1,379	12.5	10,761	11,189	12,222	52	Mineral.....	7	7	7	1.1	10,848	10,356	11,451	52
Inyo.....	242	254	276	8.5	13,499	14,218	15,300	25	Moffat.....	146	151	157	3.8	11,427	12,459	13,090	39
Kern.....	6,579	6,913	7,434	7.5	13,355	13,669	14,296	35	Montezuma.....	202	209	219	4.9	10,441	10,995	11,628	50
Kings.....	974	1,087	1,156	6.3	11,396	12,452	12,496	51	Montrose.....	275	294	310	5.3	10,991	11,685	12,310	45
Lake.....	598	634	675	6.5	12,272	12,272	12,629	13,121	Morgan.....	252	262	272	4.0	11,138	11,440	12,024	47
Lassen.....	282	295	315	6.8	11,306	11,107	11,584	56	Otero.....	246	246	255	3.8	11,204	11,312	11,922	48
Los Angeles.....	138,876	150,640	161,368	7.1	16,665	17,761	18,790	13	Ouay.....	28	31	33	6.2	14,226	14,799	15,674	22
Madera.....	879	974	1,080	10.9	11,280	12,147	13,003	48	Park.....	87	91	97	6.9	12,325	12,647	13,278	37
Marin.....	6,381	6,884	7,459	8.4	28,158	30,214	32,417	1	Phillips.....	69	69	69	6.2	15,748	14,981	16,047	19
Marijuana.....	167	174	190	9.5	12,261	12,293	13,058	47	Pitkin.....	273	296	332	12.4	26,242	27,697	30,447	1
Mendocino.....	967	1,031	1,097	6.4	13,054	13,731	14,395	34	Prowers.....	176	176	177	.7	12,442	12,565	12,911	42
Mercer.....	1,886	2,038	2,173	6.6	11,753	12,368	12,782	50	Pueblo.....	1,407	1,455	1,550	6.5	11,103	11,422	12,145	46
Modoc.....	115	119	124	4.7	12,446	12,890	13,514	42	Rio Blanco.....								

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1986	1987	1988	1987–88	1986	1987	1988	1988		1986	1987	1988	1987–88	1986	1987	1988	1988
New Castle.....	7,118	7,822	8,545	9.2	16,928	18,312	19,630	1	Bleckley.....	114	124	133	7.4	10,722	11,677	12,500	65
Sussex.....	1,421	1,507	1,688	12.0	12,832	13,275	14,524	2	Brantley.....	91	92	101	9.0	9,134	9,088	9,724	149
District of Columbia.....	11,423	12,121	13,171	8.7	18,271	19,513	21,347	.....	Brooks.....	120	137	140	1.8	7,923	9,053	9,161	157
Florida.....	171,116	187,458	204,855	9.3	14,639	15,592	16,607	.....	Bryan.....	141	161	177	9.7	10,609	11,127	11,228	106
Metropolitan portion.....	158,633	173,757	189,849	9.3	14,938	15,920	16,959	.....	Bulloch.....	380	418	452	8.2	10,267	11,125	11,886	80
Nonmetropolitan portion.....	12,483	13,701	15,007	9.5	11,673	12,362	13,160	.....	Burke.....	210	220	232	5.6	9,772	10,407	10,920	121
Alachua.....	2,099	2,299	2,501	8.8	11,875	12,754	13,672	25	Butts.....	169	180	191	5.8	10,734	10,941	11,491	96
Baker.....	175	191	205	7.2	9,871	10,542	11,048	45	Calhoun.....	54	61	64	5.7	9,723	11,348	12,193	71
Bay.....	1,400	1,497	1,605	7.2	11,721	12,153	12,787	34	Camden.....	218	243	273	12.4	10,907	11,275	12,070	73
Bradford.....	202	210	226	7.4	8,367	8,557	9,142	63	Candler.....	77	84	88	4.8	10,418	11,302	11,733	84
Brevard.....	5,037	5,493	5,992	9.1	13,944	14,689	15,432	18	Carroll.....	767	849	921	8.4	11,806	12,641	13,333	43
Broward.....	20,440	22,283	24,373	9.4	17,947	19,155	20,533	5	Catoosa.....	406	445	480	7.9	10,185	10,905	11,554	91
Calhoun.....	73	79	91	14.4	7,559	8,092	8,884	65	Charlton.....	83	86	93	7.4	10,552	10,566	11,322	103
Charlotte.....	1,187	1,328	1,466	10.4	14,073	14,810	15,439	17	Chatham.....	2,939	3,121	3,308	6.0	13,638	14,300	15,037	15
Citrus.....	908	997	1,082	8.6	10,985	11,397	11,816	39	Chattahoochee.....	169	184	194	5.1	9,237	10,266	10,691	132
Clay.....	1,274	1,391	1,519	9.1	13,851	14,426	15,119	20	Chattahoochee.....	213	232	242	4.3	9,869	10,705	11,124	115
Collier.....	2,282	2,660	2,992	12.5	18,465	20,344	21,595	4	Cherokee.....	1,078	1,222	1,367	11.8	14,582	15,121	15,802	10
Columbia.....	407	435	473	8.7	9,936	10,502	11,240	41	Clarke.....	975	1,066	1,151	8.0	12,715	13,813	14,762	16
Dade.....	25,717	28,084	30,602	9.0	14,577	15,717	16,874	12	Clay.....	25	28	30	7.7	7,119	8,058	8,603	159
De Soto.....	208	228	254	11.1	9,555	10,238	11,190	42	Clarendon.....	2,275	2,461	2,645	7.5	13,701	14,554	15,335	14
Dixie.....	76	84	92	10.6	7,995	8,366	8,960	64	Cobb.....	60	59	59	3.8	8,788	8,593	8,829	158
Duval.....	8,913	9,615	10,315	7.3	13,766	14,500	15,316	19	Coffee.....	7,164	7,960	8,687	9.1	18,347	19,463	20,423	3
Escambia.....	3,102	3,294	3,512	6.6	11,480	11,931	12,609	35	Colquitt.....	286	304	336	10.5	9,646	10,164	11,138	113
Flagler.....	227	265	307	15.9	12,144	12,704	13,203	30	Columbia.....	396	425	454	6.8	10,734	11,409	12,206	69
Franklin.....	78	81	92	13.7	9,454	9,679	10,906	46	Cook.....	791	847	922	8.8	13,911	14,113	14,738	17
Gadsden.....	374	406	443	9.1	8,342	8,895	9,657	60	Coweta.....	129	142	151	5.9	9,279	10,136	10,661	133
Gilchrist.....	78	85	93	8.8	10,744	11,581	12,156	36	Crawford.....	597	661	726	9.9	12,846	13,672	14,315	20
Glades.....	56	53	59	10.0	8,369	7,775	8,524	67	Crisp.....	85	92	99	8.4	11,658	12,364	13,273	45
Gulf.....	114	120	129	7.3	9,562	9,908	10,452	53	Echols.....	192	208	222	7.0	9,487	10,205	10,924	120
Hamilton.....	83	88	96	9.4	8,959	9,333	9,862	59	Dade.....	107	115	125	8.2	8,971	9,666	10,408	140
Hardee.....	212	231	256	10.8	9,763	10,571	11,742	40	Dawson.....	89	98	110	12.1	12,518	12,670	13,229	46
Hendry.....	281	307	342	11.5	11,976	12,552	13,598	26	Decatur.....	265	283	299	5.7	9,882	10,588	11,096	116
Hernando.....	919	1,029	1,134	10.2	11,414	11,822	12,086	37	De Kalb.....	9,026	9,744	10,428	7.0	16,986	18,096	19,145	4
Highlands.....	739	804	879	9.3	12,090	12,517	13,211	29	Dodge.....	161	175	188	7.5	9,232	10,145	10,860	123
Hillsborough.....	10,298	11,258	12,293	9.2	12,376	14,146	15,081	21	Dooly.....	95	116	122	5.2	9,088	11,325	11,995	74
Holmes.....	137	144	155	7.6	8,511	8,843	9,279	62	Dougherty.....	1,144	1,191	1,272	6.8	11,152	11,707	12,624	63
Indian River.....	1,319	1,504	1,671	11.1	16,291	18,005	19,230	7	Douglas.....	893	976	1,065	9.2	13,111	13,774	14,496	19
Jackson.....	374	412	448	8.6	9,013	9,694	10,519	52	Early.....	128	135	146	7.7	9,666	10,321	11,184	109
Jefferson.....	108	115	124	8.5	9,235	9,690	10,348	55	Effingham.....	238	254	270	6.3	10,541	11,081	11,081	117
Lafayette.....	56	57	58	2.2	11,662	10,819	10,734	50	Elbert.....	208	220	237	7.5	10,927	11,606	12,433	67
Lake.....	1,948	2,165	2,375	9.7	14,820	15,705	16,708	13	Emanuel.....	193	210	225	7.4	8,787	9,539	10,203	142
Lee.....	4,237	4,742	5,221	10.1	15,075	16,013	16,890	11	Evans.....	94	102	115	12.4	11,256	12,094	13,403	40
Leon.....	2,171	2,413	2,665	10.4	12,672	13,587	14,578	23	Fannin.....	151	161	180	11.8	9,513	9,929	10,966	119
Levy.....	230	249	267	7.2	9,199	9,769	10,228	56	Fayette.....	881	1,027	1,159	12.8	18,463	19,756	20,635	1
Liberty.....	44	47	51	7.4	9,640	10,074	11,061	43	Floyd.....	994	1,073	1,152	7.4	12,483	13,402	14,282	22
Madison.....	137	147	159	8.0	8,791	9,350	10,042	58	Forsyth.....	587	655	728	11.1	15,550	16,312	17,117	7
Manatee.....	2,719	2,931	3,182	8.6	15,210	16,038	17,023	9	Franklin.....	191	199	218	9.7	11,795	12,116	13,223	47
Marion.....	1,894	2,102	2,283	8.6	10,897	11,521	12,027	38	Fulton.....	11,200	12,199	13,088	7.3	17,716	19,141	20,425	2
Martin.....	1,708	1,937	2,151	11.0	19,627	21,080	22,450	2	Gilmer.....	150	167	181	8.8	12,021	13,006	13,797	28
Monroe.....	1,053	1,172	1,278	9.1	14,414	15,622	16,626	14	Glascow.....	27	29	31	8.0	11,844	12,690	13,772	29
Nassau.....	556	621	664	6.9	13,329	14,233	14,685	22	Glynn.....	801	866	943	8.9	13,613	14,536	15,548	12
Okaloosa.....	1,651	1,818	1,957	7.7	11,731	12,437	12,995	32	Gordon.....	386	419	458	9.5	11,752	12,485	13,386	42
Okeechobee.....	275	298	317	6.5	9,985	10,408	10,688	51	Grady.....	201	215	229	6.9	9,387	10,056	10,782	129
Orange.....	8,537	9,444	10,371	9.8	14,848	15,890	16,958	10	Greene.....	121	129	140	8.1	10,226	10,920	11,570	89
Osceola.....	1,169	1,306	1,467	12.3	14,685	15,448	16,345	15	Gwinnett.....	4,622	5,262	5,892	12.0	16,673	17,441	18,212	5
Palm Beach.....	15,219	16,922	18,680	10.4	20,191	21,535	22,8										

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars		Percent change ²	Dollars		Rank in State		Millions of dollars		Percent change ²	Dollars		Rank in State				
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1988	1988	1988				
Mitchell.....	192	204	214	4.8	8,829	9,431	9,958	145	Custer.....	48	46	54	16.0	9,868	9,995	12,352	14
Monroe.....	187	203	218	7.2	12,224	13,088	13,828	26	Elmore.....	214	229	241	5.3	9,635	10,380	10,914	33
Montgomery.....	71	76	80	5.5	9,670	10,454	11,136	114	Franklin.....	74	79	81	3.0	8,012	8,559	8,770	44
Morgan.....	156	166	179	7.7	12,415	12,977	13,804	27	Freemont (incl Ylwstn Natl. Pk.).....	105	111	116	3.9	9,972	10,758	11,191	30
Murray.....	235	264	289	9.2	10,418	11,303	11,896	78	Gem.....	125	125	131	4.9	10,955	11,180	11,859	18
Muscogee.....	2,140	2,281	2,424	6.3	12,033	12,743	13,575	35	Gooding.....	126	129	133	3.4	10,512	11,105	11,587	24
Newton.....	490	534	576	7.9	12,003	12,696	13,309	44	Idaho.....	142	151	160	5.5	10,197	11,067	11,734	19
Oconee.....	205	222	243	9.3	13,983	14,556	15,387	13	Jefferson.....	139	149	159	6.9	8,542	9,034	9,527	41
Ogallorhorne.....	101	102	111	9.1	10,620	10,535	11,475	98	Jerome.....	142	156	155	–6	9,383	10,623	10,636	37
Paulding.....	401	443	492	11.0	12,563	12,896	13,518	36	Kootenai.....	761	804	859	6.8	11,398	12,140	12,831	12
Peach.....	237	269	296	10.0	11,969	13,416	14,279	23	Latah.....	319	337	359	6.5	10,442	10,967	11,711	20
Pickens.....	170	184	201	9.0	12,691	13,276	13,966	24	Lemhi.....	69	74	81	9.8	10,095	10,915	11,908	17
Pierce.....	113	123	131	6.1	8,743	9,427	9,866	146	Lewis.....	49	54	58	7.1	13,162	14,968	16,089	4
Pike.....	105	113	122	7.8	11,752	12,463	13,049	49	Lincoln.....	36	40	42	6.8	10,816	12,462	13,165	10
Polk.....	360	384	405	5.5	10,711	11,328	11,834	81	Madison.....	175	190	202	6.1	7,813	8,451	8,900	43
Pulaski.....	89	99	105	5.7	10,024	11,327	12,202	70	Minidoka.....	179	195	206	5.8	8,651	9,708	10,271	39
Putnam.....	130	139	147	6.0	10,764	11,112	11,468	99	Nez Perce.....	415	434	467	7.7	12,577	12,986	13,990	7
Quitman.....	21	23	25	8.9	9,410	10,188	10,856	124	Owyhee.....	35	38	38	–4	10,053	10,951	10,863	34
Rabun.....	110	118	128	8.6	10,154	10,730	11,431	100	Payette.....	155	162	173	7.1	9,647	9,960	10,809	35
Randolph.....	75	82	87	5.4	8,281	9,034	9,604	152	Power.....	90	99	101	1.7	12,988	14,434	14,792	6
Richmond.....	2,388	2,467	2,621	6.2	12,301	12,844	13,693	32	Shoshone.....	154	149	167	12.4	9,391	9,892	11,420	26
Rockdale.....	728	813	890	9.5	15,671	16,361	17,153	6	Teton.....	32	35	34	–3.1	9,889	11,087	10,665	36
Schiley.....	38	40	40	–9	10,572	11,191	11,411	101	Twin Falls.....	615	639	688	7.6	11,010	11,467	12,327	16
Screvener.....	135	143	153	7.0	8,660	9,256	10,073	143	Valley.....	75	79	86	9.0	10,757	11,794	12,655	13
Seminole.....	91	97	102	5.6	10,319	11,123	11,819	82	Washington.....	82	86	91	6.7	9,954	10,548	11,254	29
Spalding.....	613	661	708	7.2	11,548	12,233	12,896	57	Illinois.....	178,528	189,945	204,252	7.5	15,451	16,396	17,586	.....
Stephens.....	240	258	277	7.5	10,579	11,202	11,894	79	Metropolitan portion.....	153,240	163,762	176,690	7.9	16,111	17,143	18,431	.....
Stewart.....	47	51	55	6.3	8,180	9,045	9,692	150	Nonmetropolitan portion.....	25,288	26,183	27,562	5.3	12,380	12,882	13,590	.....
Sumter.....	323	343	368	7.4	10,695	11,510	12,428	68	Adams.....	876	918	995	8.4	12,866	13,580	14,714	33
Talbot.....	62	66	70	5.7	9,018	9,461	9,839	147	Alexander.....	104	107	112	4.9	8,953	9,198	9,727	99
Taliaferro.....	25	26	28	8.7	12,331	12,949	14,305	21	Bond.....	189	201	213	5.8	11,702	12,401	13,194	68
Tattnall.....	186	195	211	8.3	10,228	10,686	11,508	95	Boone.....	437	458	493	7.7	14,776	15,477	16,384	12
Taylor.....	79	83	88	6.2	9,943	10,417	11,150	112	Brown.....	67	69	71	2.8	12,990	13,477	14,058	48
Telfair.....	103	108	117	7.9	9,216	9,806	10,644	134	Bureau.....	509	526	549	4.4	13,618	14,239	14,919	30
Terrell.....	94	100	107	7.6	8,015	8,448	9,202	155	Calhoun.....	62	67	70	4.3	10,988	11,981	12,341	83
Thomas.....	447	476	509	7.0	11,563	12,166	13,006	51	Carroll.....	235	230	240	4.5	13,195	13,066	13,717	52
Tift.....	387	411	449	9.3	11,374	12,055	13,042	50	Cass.....	166	172	175	1.7	11,814	12,412	12,605	80
Toombs.....	265	284	304	7.1	11,040	11,752	12,473	66	Champaign.....	2,274	2,427	2,584	6.5	13,310	14,162	15,018	28
Towns.....	60	65	70	7.5	9,266	9,737	10,476	139	Christian.....	481	488	504	3.3	13,482	13,668	14,171	46
Treutlen.....	51	54	57	5.2	8,292	8,705	9,172	156	Clark.....	190	194	199	2.5	11,630	11,925	12,178	36
Troup.....	632	677	725	7.1	11,886	12,723	13,514	37	Clay.....	172	174	184	6.1	11,360	11,682	12,405	82
Turner.....	87	93	98	5.1	8,954	9,721	10,324	141	Clinton.....	452	474	507	7.0	13,264	13,942	14,805	31
Twigg.....	89	96	102	6.0	9,032	9,806	10,486	137	Coles.....	607	638	678	6.3	11,613	12,258	12,981	72
Union.....	101	114	123	8.0	9,473	10,353	10,808	127	Cook.....	85,779	90,825	97,519	7.4	16,188	17,138	18,454	5
Upson.....	281	301	314	4.3	10,401	11,115	11,559	90	Crawford.....	274	280	294	4.7	13,304	13,808	14,628	37
Walker.....	606	654	695	6.2	10,592	11,369	11,925	76	Cumberland.....	117	122	127	3.5	10,751	11,290	11,636	92
Walton.....	399	432	463	7.3	11,703	12,325	12,963	53	De Kalb.....	974	1,045	1,114	6.6	13,119	13,919	14,660	35
Ware.....	396	409	433	5.9	10,664	11,021	11,755	83	De Witt.....	237	229	238	4.0	13,352	13,100	13,583	54
Warren.....	57	60	63	5.5	8,691	9,022	9,588	153	Douglas.....	240	240	246	2.6	12,215	12,194	12,556	81
Washington.....	206	227	249	9.7	10,721	11,795	12,865	59	Du Page.....	14,632	16,072	17,640	9.8	20,062	21,581	23,185	2
Wayne.....	226	241	254	5.5	10,343	10,862	11,381	102	Edgar.....	257	262	262	1.7	12,231	12,382	12,731	78
Webster.....	25	27	29	4.4	11,131	12,484	13,402	41	Edwards.....	96	102	104	2.5	11,925	12,776	13,266	66
Wheeler.....	43	47	49	5.3	8,445	9,233	9,745	148	Effingham.....	403	434	468	7.9	12,630	13,459	14,339	43
White.....	151	157	173	10.5	12,754	12,799	13,752	31	Fayette.....	230	239	248	4.0	10,391	10,864	11,337	95
Whitfield.....	949	1,051	1,130	7.4	13,875	15,109	16,010	9	Ford.....	211	216	231	7.3	14,152	14,629	15,696	18
Wilcox.....	71	78	84	7.7	9,332	10,337	11,025	118	Franklin.....	496	490	514	4.8	11,494	11,520	12,244	84
Wilkes.....	128	133	142	6.7	11,472	11,962	12,929	55	Fulton.....	448	456	487	6.8	11,560	11,854	12,651	79
Wilkinson.....	116	123	132	7.1	10,636	11,232	11,960	75	Gallatin.....	85	85	84	–8	11,220	11,555	11,727	91
Worth.....	177	189	205	8.2	9,466	10,144											

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars		Percent change ²	Dollars		Rank in State		Millions of dollars		Percent change ²	Dollars		Rank in State				
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1987–88	1988	1988				
Macon.....	1,709	1,794	1,919	7.0	13,505	14,381	15,519	20	Johnson.....	1,215	1,327	1,419	6.9	14,571	15,586	16,537	5
Macoupin.....	613	635	652	2.8	12,408	12,873	13,272	65	Knox.....	484	496	523	5.4	11,745	12,164	12,896	64
Madison.....	3,520	3,733	4,000	7.2	14,084	14,870	15,858	16	Kosciusko.....	863	928	1,010	8.8	13,503	14,399	15,437	17
Marion.....	512	534	557	4.3	11,697	12,293	12,887	77	Lagrange.....	304	327	348	6.4	10,843	11,466	12,027	79
Marshall.....	180	185	197	6.7	13,566	14,057	14,992	29	Lake.....	6,074	6,391	6,875	7.6	12,385	13,132	14,091	31
Mason.....	212	214	226	5.7	11,969	12,241	12,953	74	La Porte.....	1,385	1,470	1,574	7.0	13,143	13,956	14,909	20
Massac.....	153	160	170	6.0	10,209	10,786	11,317	96	Lawrence.....	503	527	564	7.0	11,820	12,364	13,120	56
Menard.....	156	163	170	4.9	13,327	13,935	14,562	38	Madison.....	1,723	1,747	1,905	9.0	12,966	13,225	14,450	22
Mercer.....	222	237	244	3.2	12,060	12,972	13,399	60	Marion.....	11,484	12,299	13,195	7.3	14,680	15,611	16,662	4
Monroe.....	335	360	385	6.9	15,783	16,516	17,316	7	Marshall.....	510	549	580	5.7	12,468	13,281	13,900	37
Montgomery.....	377	392	416	6.2	11,817	12,304	13,042	70	Martin.....	108	116	120	3.9	9,692	10,279	10,658	90
Morgan.....	502	521	547	5.0	13,386	13,943	14,681	34	Miami.....	452	467	478	2.5	11,828	12,309	12,731	67
Moultrie.....	184	188	195	3.6	12,716	13,030	13,525	56	Monroe.....	1,156	1,246	1,335	7.2	11,371	12,137	12,956	62
Ogle.....	626	655	701	7.0	13,666	14,319	15,189	24	Montgomery.....	467	483	518	7.1	13,080	13,604	14,591	21
Pearl.....	2,617	2,735	2,965	8.4	14,264	15,023	16,234	14	Morgan.....	670	717	766	6.8	12,332	13,092	13,945	36
Perry.....	282	282	290	2.6	12,741	12,861	13,362	61	Newton.....	167	178	185	3.9	12,018	12,967	13,352	51
Piatt.....	240	241	249	3.2	14,791	14,947	15,393	21	Noble.....	431	467	502	7.4	11,410	12,155	13,003	59
Pike.....	200	216	213	-1.6	11,166	12,143	11,912	90	Ohio.....	57	60	65	7.6	10,797	11,078	11,801	83
Pope.....	38	39	41	4.8	8,679	9,061	9,563	100	Orange.....	199	213	218	2.8	10,350	11,052	11,329	84
Pulaski.....	73	76	80	4.1	8,424	8,969	9,406	101	Owen.....	170	184	196	6.4	10,092	10,647	11,032	89
Putnam.....	86	87	90	4.0	14,723	14,954	15,757	17	Parke.....	183	190	199	5.1	11,548	12,110	12,758	66
Randolph.....	416	432	459	6.2	11,682	12,191	12,888	76	Perry.....	211	220	233	5.9	11,078	11,594	12,331	74
Richland.....	210	214	224	4.5	11,934	12,503	13,275	64	Pike.....	161	172	172	5.6	12,283	12,531	13,348	52
Rock Island.....	2,101	2,215	2,338	5.5	13,169	14,095	15,026	27	Porter.....	1,662	1,797	1,942	8.1	13,677	14,647	15,625	15
St. Clair.....	3,431	3,621	3,846	6.2	12,696	13,375	14,264	44	Posey.....	341	348	372	7.0	12,871	13,246	14,170	29
Saline.....	346	358	383	7.1	12,176	12,673	13,724	51	Pulaski.....	157	174	182	4.6	11,617	13,119	13,673	42
Sangamon.....	2,688	2,904	3,100	6.8	15,103	16,252	17,221	8	Putnam.....	362	376	384	2.1	11,982	12,476	12,723	68
Schuylerville.....	88	89	93	4.3	11,266	11,513	11,993	87	Randolph.....	315	327	340	3.8	11,075	11,693	12,300	75
Scott.....	76	78	81	4.3	12,639	12,960	13,296	63	Ripley.....	293	317	342	7.8	11,703	12,603	13,511	47
Shelby.....	285	297	307	3.3	12,048	12,629	12,997	71	Rush.....	221	233	244	4.8	11,914	12,595	13,228	54
Stark.....	100	98	101	2.2	14,572	14,587	15,169	26	St. Joseph.....	3,364	3,607	3,846	6.6	13,917	14,837	15,745	11
Stephenson.....	708	747	794	6.3	14,333	15,149	16,093	15	Scott.....	202	215	232	7.9	9,785	10,240	11,081	88
Tazewell.....	1,706	1,797	1,958	9.0	13,668	14,466	15,692	19	Shelby.....	517	549	581	5.8	12,834	13,662	14,447	23
Union.....	197	208	220	5.8	10,832	11,507	12,199	85	Spencer.....	226	234	251	7.2	11,301	11,626	12,393	72
Vermilion.....	1,126	1,160	1,207	4.0	12,231	12,683	13,323	62	Starke.....	211	230	248	8.2	9,697	10,449	11,162	87
Wabash.....	182	189	199	5.4	13,044	13,625	14,354	42	Steuben.....	367	403	439	9.1	13,784	14,606	15,629	14
Warren.....	262	261	274	4.9	12,630	12,913	13,629	53	Sullivan.....	239	246	259	5.5	11,712	12,117	12,845	65
Washington.....	199	217	228	5.2	12,950	14,079	14,629	36	Switzerland.....	65	70	73	5.2	8,737	9,366	9,956	92
Wayne.....	216	228	240	5.4	11,765	12,706	13,504	57	Tippicanoe.....	1,552	1,652	1,777	7.6	12,497	13,263	14,175	28
White.....	223	223	233	4.7	12,540	12,655	13,493	58	Tippecanoe.....	235	242	264	9.3	14,336	14,784	16,161	9
Whiteside.....	811	875	922	5.3	12,941	14,012	14,755	32	Union.....	80	85	89	4.6	11,501	12,426	12,911	63
Will.....	4,967	5,329	5,819	9.2	14,773	15,607	16,786	10	Vanderburgh.....	2,402	2,482	2,645	6.6	14,385	14,909	15,901	10
Williamson.....	704	726	769	5.9	12,078	12,415	13,203	67	Vermillion.....	196	206	217	5.2	11,098	11,808	12,404	71
Winnebago.....	3,636	3,856	4,178	8.3	14,496	15,338	16,574	11	Vigo.....	1,291	1,344	1,405	4.5	11,843	12,428	13,073	58
Woodford.....	441	459	500	9.0	13,572	14,115	15,176	25	Wabash.....	436	461	485	5.0	12,346	12,977	13,608	45
Indiana.....	72,415	77,080	82,581	7.1	13,159	13,939	14,862	.....	Warren.....	98	102	108	5.8	11,753	12,321	12,962	61
Metropolitan portion.....	51,288	54,741	58,839	7.5	13,714	14,552	15,551	.....	Warrick.....	651	676	722	6.7	14,409	14,754	15,566	16
Nonmetropolitan portion.....	21,127	22,339	23,742	6.3	11,984	12,635	13,393	.....	Washington.....	236	246	262	6.6	10,324	10,728	11,290	85
Adams.....	360	381	409	7.1	11,756	12,272	12,981	60	Wayne.....	877	931	992	6.6	12,128	12,878	13,729	41
Allen.....	4,368	4,704	5,102	8.5	14,707	15,567	16,786	3	Wells.....	325	347	347	6.7	12,737	13,278	14,095	30
Barholomew.....	866	929	983	5.8	13,539	14,384	15,171	18	White.....	274	295	316	7.1	11,679	12,534	13,334	53
Benton.....	119	132	130	-9	12,099	13,501	13,356	50	Whiteley.....	345	375	401	6.7	12,677	13,630	14,360	24
Blackford.....	173	179	190	6.2	11,674	12,238	13,076	57	Iowa.....	37,739	39,546	41,550	5.1	13,287	14,008	14,662	.....
Boone.....	632	682	732	7.3	16,692	17,716	18,783	2	Metropolitan portion.....	17,009	18,112	19,404	7.1	13,970	14,860	15,769	.....
Brown.....	140	151	160	5.9	10,884	11,624	12,138	78	Nonmetropolitan portion.....	20,730	21,434	22,147	3.3	12,775	13,361	13,812	.....
Carroll.....	252	266	275	3.5	13,156	13,867	14,214	27	Adair.....	109	112	115	2.2	12,493	13,136	13,514	59
Cass.....	499	528	560	6.0	12,457	13,127	14,023	33	Adams.....	68	71	76	-7.3	12,656	13,258	12,592	79
Clark.....	1,077																

Table 2.—Total Personal Income and Per Capita Personal Income by County,
1986-88—Continued

Area name	Total personal income						Area name	Total personal income						Per capita personal income ³			
	Millions of dollars			Percent change ²		Dollars			Rank in State	Millions of dollars			Percent change ²		Dollars		Rank in State
	1986	1987	1988	1987-88	1986	1987	1988	1986		1987	1988	1987-88	1986	1987	1988		
Emmet	149	148	153	3.2	12,595	12,831	13,172	71	Crawford	454	469	495	5.5	12,030	12,516	13,327	78
Fayette	265	274	267	-2.4	11,377	12,024	11,838	95	Decatur	86	88	84	-3.9	19,798	20,987	20,390	7
Floyd	225	230	240	4.4	12,177	12,655	13,244	70	Dickinson	256	273	277	1.3	12,915	13,651	13,794	67
Franklin	162	156	168	7.2	13,200	13,065	14,153	39	Doniphan	104	99	100	.5	11,423	11,012	11,030	105
Fremont	129	131	138	4.9	14,508	14,716	15,702	8	Douglas	860	921	993	7.7	11,710	12,313	12,980	84
Greene	162	162	158	-2.2	14,568	14,894	14,821	22	Edwards	70	75	82	9.5	17,661	19,036	20,959	6
Grundy	189	190	193	1.4	14,388	14,826	15,188	14	Ell	45	44	44	5.6	12,603	12,258	12,536	95
Guthrie	143	148	157	5.8	12,712	13,438	14,284	35	Ellsworth	344	348	362	4.1	12,469	13,001	13,686	73
Hamilton	264	268	276	2.9	15,403	15,798	16,270	6	Finney	84	83	84	1.1	13,399	13,368	13,693	72
Hancock	174	174	181	4.2	12,981	13,137	13,607	55	Ford	394	421	444	5.3	13,047	13,844	14,379	52
Hardin	294	289	283	-2.1	14,223	14,384	14,310	34	Franklin	398	401	425	6.1	15,227	15,270	16,413	23
Harrison	184	188	196	4.0	11,545	11,883	12,284	88	Franklin	275	282	294	4.1	12,406	12,637	13,064	82
Henry	252	265	282	6.4	13,377	14,026	15,009	17	Geary	309	315	324	2.6	10,111	10,482	11,100	104
Howard	138	141	141	.6	12,907	13,268	13,481	61	Gove	53	54	54	-2	14,910	15,612	15,807	32
Humboldt	151	152	167	9.9	13,040	13,458	14,803	23	Graham	52	51	51	.3	13,188	13,756	14,110	61
Ida	115	120	126	4.9	13,146	14,034	14,684	26	Grant	100	118	140	18.7	14,686	17,407	20,238	9
Iowa	201	212	212	-1	13,449	14,352	14,407	33	Gray	84	78	93	19.6	15,771	14,321	16,916	17
Jackson	239	261	276	5.8	10,899	11,983	12,701	78	Greeley	32	28	35	25.8	17,877	15,738	20,303	8
Jasper	497	529	545	2.9	13,895	14,745	15,034	16	Greenwood	103	107	115	7.6	12,465	13,192	14,461	51
Jefferson	203	216	225	4.4	12,341	13,050	13,480	62	Hamilton	49	53	59	12.5	19,374	21,644	25,338	1
Johnson	1,258	1,335	1,436	7.5	14,770	15,601	16,561	3	Harper	112	113	120	6.0	14,778	15,175	16,322	25
Jones	227	238	239	.5	11,387	12,098	12,098	89	Harvey	408	421	440	4.3	13,235	13,722	14,272	57
Keokuk	163	173	160	-7.1	13,342	14,350	13,413	66	Haskell	73	75	85	14.3	18,968	19,244	22,170	5
Kossuth	264	261	269	3.0	13,061	13,194	13,653	53	Hodgeman	32	35	35	.9	14,267	15,883	15,912	30
Lee	514	519	537	3.5	12,487	12,782	13,301	69	Jackson	140	146	152	4.4	11,953	12,469	12,938	85
Linn	2,429	2,603	2,808	7.9	14,432	15,386	16,372	5	Jefferson	198	210	218	3.7	12,307	12,743	12,889	86
Louisa	155	157	166	5.9	13,021	13,149	13,823	50	Jewell	66	63	60	-5.4	13,898	13,539	13,548	75
Lucas	120	123	127	2.5	12,301	12,853	13,332	67	Johnson	6,513	7,213	7,799	8.1	20,487	21,746	22,563	4
Lyon	154	154	153	-5	12,472	12,575	12,544	81	Kearny	65	64	73	14.3	16,550	16,053	18,225	12
Madison	159	165	171	3.7	12,801	13,231	13,584	57	Kingman	114	114	116	1.4	12,842	12,925	13,117	80
Mahaska	277	287	290	.9	12,944	12,924	12,968	74	Kiowa	63	61	65	6.8	16,282	16,152	17,923	14
Marion	410	447	471	5.4	13,817	14,967	15,573	10	Lafette	311	324	343	5.9	12,102	12,695	13,650	74
Marshall	555	575	586	1.9	13,753	14,531	14,859	21	Lane	46	30	37	24.4	18,465	12,145	15,151	38
Mills	177	184	190	3.1	13,367	13,898	14,167	38	Leavenworth	728	777	815	11.567	12,060	12,260	100	
Mitchell	152	155	162	4.1	13,092	13,468	14,124	41	Lincoln	52	49	49	-4	14,113	13,598	13,834	66
Monona	136	137	140	2.1	12,803	13,069	13,440	65	Linn	101	104	106	2.3	12,409	12,733	12,884	87
Monroe	98	104	105	.6	11,543	12,401	12,525	82	Morton	54	53	56	5.5	15,348	15,364	16,272	26
Montgomery	169	173	181	4.8	13,570	14,137	14,795	24	Nemaha	143	148	154	4.0	13,010	13,606	14,197	60
Muscatine	583	610	645	5.8	14,162	14,925	15,679	9	Neosho	220	227	237	4.5	11,694	12,415	13,110	81
O'Brien	215	216	227	5.5	13,489	13,793	14,608	28	Ness	77	78	75	-3.8	17,256	18,332	17,990	13
Osceola	92	95	104	9.5	11,808	12,338	13,634	54	Norton	86	86	88	1.7	13,885	14,225	15,88	58
Page	220	222	231	4.2	12,544	12,853	13,479	63	Osage	192	201	206	2.3	12,171	12,565	12,820	88
Palo Alto	159	155	157	1.2	13,802	13,911	14,174	37	Osborne	75	74	74	.1	13,843	13,941	14,311	55
Plymouth	298	322	308	-4.4	12,454	13,428	12,759	77	Ottawa	80	83	84	1.0	13,474	14,054	14,359	53
Pocahontas	148	145	149	2.7	13,837	13,987	14,506	31	Pawnee	121	126	129	2.4	15,704	16,679	17,221	16
Polk	4,921	5,297	5,754	8.6	15,635	16,616	17,722	1	Phillips	74	77	80	3.6	11,737	12,047	12,351	99
Pottawattamie	1,108	1,146	1,220	6.4	12,668	13,085	13,863	48	Potter	99	102	103	1.1	14,199	14,697	14,974	41
Poweshiek	260	280	287	2.3	13,915	14,988	15,209	13	Pratt	199	209	214	2.5	12,563	12,933	13,122	79
Ringgold	65	70	68	-3.6	11,773	13,061	12,585	80	Rawlins	161	154	169	9.7	14,932	14,803	16,554	20
Sac	177	171	192	12.1	13,740	13,473	15,227	12	Riley	713	745	790	6.0	11,384	11,895	12,591	94
Scott	2,232	2,335	2,457	5.2	14,264	15,033	15,815	7	Rooks	83	85	87	2.7	12,291	13,299	14,086	63
Shelby	184	191	194	1.8	12,756	13,424	13,724	52	Rush	61	60	56	-6.1	14,539	15,168	14,884	43
Sioux	332	345	371	7.6	10,979	11,489	12,295	87	Russell	132	132	130	-1	15,411	16,070	16,415	22
Story	915	961	1,012	5.4	12,667	13,473	14,072	42	Saline	713	761	803	5.4	14,363	15,219	16,052	27
Tama	240	245	249	1.8	12,753	13,266	13,563	58	Scott	89	91	94	3.8	15,721	16,248	17,356	15
Taylor	90	92	86	-6.6	11,694	12,248	11,586	96	Sedgwick	6,082	6,376	6,745	5.8	15,620	16,163	16,775	19
Union	161	165	169	2.9	12,295	12,631	13,112	73	Seward	276	269	278	3.1	14,653	14,436	15,031	40
Van Buren	88	93															

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³					
	Millions of dollars		Percent change ²	Dollars		Rank in State		Millions of dollars		Percent change ²	Dollars		Rank in State			
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1986	1987	1988			
Kentucky.....	41,956	44,713	47,805	6.9	11,273	12,011	12,830	Monroe.....	106	118	121	2.9	8,680	9,687	10,077	75
Metropolitan portion.....	22,688	24,351	26,119	7.3	13,305	14,212	15,211	Montgomery.....	192	205	220	7.2	9,393	10,084	10,758	61
Nonmetropolitan portion.....	19,267	20,361	21,686	6.5	9,554	10,134	10,794	Morgan.....	85	86	91	5.4	7,215	7,323	7,788	108
Adair.....	138	147	156	6.5	8,764	9,469	10,064	Muhlenberg.....	324	328	340	3.5	10,319	10,628	11,083	58
Allen.....	140	150	157	4.3	9,651	10,350	10,979	Nelson.....	312	339	358	5.4	10,666	11,367	12,033	36
Ballard.....	160	172	184	6.9	11,732	12,428	13,105	Nicholas.....	68	69	76	10.9	9,391	9,341	10,479	65
Barren.....	95	96	105	8.6	11,572	11,877	13,031	Ohio.....	199	205	213	3.9	9,304	9,718	10,231	69
Bath.....	343	366	388	6.2	9,848	10,503	11,230	Oldham.....	422	479	517	7.9	12,931	14,070	14,718	10
Bell.....	78	84	92	9.1	7,682	8,356	9,108	Owen.....	76	81	90	11.1	8,193	8,689	9,579	84
Boone.....	273	282	300	6.4	8,023	8,387	9,047	Pendleton.....	35	36	38	3.5	6,275	6,516	6,904	117
Bourbon.....	689	764	859	12.4	13,177	14,081	15,383	Perry.....	110	118	126	6.9	9,948	10,477	11,115	57
Boyd.....	228	251	262	4.4	11,672	12,875	13,495	Pike.....	333	333	339	1.9	9,584	9,743	9,963	78
Boyle.....	635	681	732	7.5	11,926	12,942	13,975	Powell.....	775	775	807	4.1	9,525	9,616	10,125	72
Bracken.....	290	305	324	6.2	11,244	11,744	12,427	Pulaski.....	89	95	102	7.9	7,498	7,899	8,387	103
Breathitt.....	66	69	79	14.4	8,716	9,049	10,384	Robertson.....	106	118	121	2.9	8,666	10,682	11,409	48
Breckinridge.....	137	140	147	4.7	8,385	8,643	9,088	Rockcastle.....	192	205	213	3.9	9,391	9,341	10,479	65
Bullitt.....	475	520	566	8.9	10,281	11,101	11,840	Russell.....	199	205	213	3.9	9,304	9,718	10,231	69
Butler.....	88	94	108	15.2	8,484	9,746	83	Rowan.....	422	479	517	7.9	12,931	14,070	14,718	10
Caldwell.....	135	142	148	3.8	10,043	10,664	11,203	Scott.....	76	81	90	11.1	8,193	8,689	9,579	84
Calloway.....	329	354	380	7.3	10,992	11,620	12,343	Shelby.....	35	36	38	3.5	6,275	6,516	6,904	117
Campbell.....	1,031	1,102	1,183	7.4	12,667	13,400	14,347	Simpson.....	110	118	126	6.9	9,948	10,477	11,115	57
Carlisle.....	53	57	59	4.1	10,478	11,521	12,279	Spencer.....	333	333	339	1.9	9,584	9,743	9,963	78
Carroll.....	101	108	116	7.3	10,622	11,235	11,883	Taylor.....	775	775	807	4.1	9,525	9,616	10,125	72
Carter.....	190	205	216	5.4	7,563	8,167	8,598	Todd.....	89	95	102	7.9	7,498	7,899	8,387	103
Casey.....	108	117	123	5.2	7,297	8,012	8,491	Trigg.....	192	205	213	3.9	9,391	9,341	10,479	65
Christian.....	641	683	710	3.9	10,050	10,866	11,476	Trimble.....	199	205	213	3.9	9,304	9,718	10,231	69
Clark.....	355	377	398	5.3	12,156	12,824	13,435	Union.....	422	479	517	7.9	12,931	14,070	14,718	10
Clay.....	171	177	170	-4.0	7,245	7,609	7,337	Warren.....	76	81	90	11.1	8,193	8,689	9,579	84
Clinton.....	65	69	73	5.9	6,666	7,056	7,572	Washington.....	35	36	38	3.5	6,275	6,516	6,904	117
Crittenden.....	80	85	89	4.6	9,183	9,946	10,345	Wayne.....	110	118	126	6.9	9,948	10,477	11,115	57
Cumberland.....	54	57	59	4.5	7,463	7,913	8,303	Webster.....	333	333	339	1.9	9,584	9,743	9,963	78
Daviss.....	1,068	1,121	1,187	5.9	12,103	12,768	13,525	Whiteley.....	775	775	807	4.1	9,525	9,616	10,125	72
Edmonson.....	64	66	71	8.8	6,169	6,409	7,200	Woodford.....	89	95	102	7.9	7,498	7,899	8,387	103
Elliott.....	39	42	44	4.5	5,941	6,305	6,633	Acadia.....	192	205	213	3.9	9,391	9,341	10,479	65
Estill.....	120	124	130	5.0	8,010	8,282	8,742	Allen.....	199	205	213	3.9	9,304	9,718	10,231	69
Fayette.....	3,186	3,444	3,669	6.5	14,443	15,364	16,261	Ascension.....	422	479	517	7.9	12,931	14,070	14,718	10
Fleming.....	104	116	124	7.4	8,503	9,470	10,103	Assumption.....	76	81	90	11.1	8,193	8,689	9,579	84
Floyd.....	445	450	465	3.4	9,038	9,150	9,527	Avoyelles.....	35	36	38	3.5	6,275	6,516	6,904	117
Franklin.....	572	611	659	7.8	12,997	13,759	14,778	Beauregard.....	110	118	126	6.9	9,948	10,477	11,115	57
Fulton.....	98	99	106	6.8	12,125	12,702	13,719	Bienville.....	333	333	339	1.9	9,584	9,743	9,963	78
Gallatin.....	50	55	58	6.7	10,037	10,709	11,126	Caddo.....	192	205	213	3.9	9,304	9,718	10,231	69
Garrard.....	115	123	137	11.2	9,980	10,792	11,809	Calcasieu.....	35	36	38	3.5	6,275	6,516	6,904	117
Grant.....	144	155	171	10.3	10,271	10,992	11,713	Caldwell.....	192	205	213	3.9	9,391	9,341	10,479	65
Graves.....	378	409	437	6.9	11,114	12,145	12,997	Cameron.....	199	205	213	3.9	9,304	9,718	10,231	69
Grayson.....	181	192	203	5.6	8,297	8,744	9,136	Catahoula.....	422	479	517	7.9	12,931	14,070	14,718	10
Green.....	96	102	105	3.5	8,786	9,446	9,881	Claiborne.....	76	81	90	11.1	8,193	8,689	9,579	84
Greenv.....	418	445	481	7.9	11,160	11,875	12,786	Concordia.....	35	36	38	3.5	6,275	6,516	6,904	117
Hancock.....	94	97	103	6.1	11,710	12,185	13,036	De Soto.....	192	205	213	3.9	9,391	9,341	10,479	65
Hardin.....	926	998	1,053	5.5	10,643	11,825	12,193	East Baton Rouge.....	35	36	38	3.5	6,275	6,516	6,904	117
Harlan.....	337	343	372	8.3	8,206	8,657	9,486	Franklin.....	192	205	213	3.9	9,391	9,341	10,479	65
Harrison.....	165	173	187	7.8	10,451	10,809	11,769	Grant.....	199	205	213	3.9	9,391	9,341	10,479	65
Hart.....	125	133	145	9.1	8,522	8,983	9,836	Iberia.....	192	205	213	3.9	9,391	9,341	10,479	65
Henderson.....	547	565	604	7.0	12,935	13,397	14,312	Calcasieu.....	192	205	213	3.9	9,391	9,341	10,479	65
Henry.....	131	143	153	7.2	9,816	10,627	11,406	Franklin.....	192	205	213	3.9	9,391	9,341	10,479	65
Hickman.....	59	60	64	7.4	10,624	11,032	12,105	Grant.....	199	205	213	3.9	9,391	9,341	10,479	65
Hopkins.....	599	644	682	5.8	12,917	13,889	14,752	Iberia.....	192	205	213	3.9	9,391	9,341	10,479	65
Jackson.....	79	83	87	3.8	6,404	6,716	6,919	Calcasieu.....	192	205	213	3.9	9,391	9,341	10,479	65
Jefferson.....	9,772	10,426	11,163	7.1	14,366	15,340	16,518	Franklin.....	192	205	213	3.9	9,391	9,341	10,479	65
Jessamine.....	332	364	395	8.5	11,394	12,213	12,911	Grant.....	199	205	213	3.9	9,391	9,341	10,479	65
Johnson.....	230	231	240	4.0	9,089	9,333	9,791	Iberia.....	192	205	213	3.9	9,391	9,341	10,479	65
Kenton.....	1,771	1,919	2,080	8.4	12,781	13,803	14,837	Calcasieu.....	192	205	213	3.9	9,391	9,341	10,479	65
Knott.....	132	135	147	8.8	7,727	7,481	8,203	Franklin.....	192	205	213	3.9	9,391	9,341	10,4	

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income				Per capita personal income ³				Area name	Total personal income				Per capita personal income ³			
	Millions of dollars			Percent change ²	Dollars			Rank in State		Millions of dollars			Percent change ²	Dollars			Rank in State
	1986	1987	1988	1987–88	1986	1987	1988	1988		1986	1987	1988	1987–88	1986	1987	1988	1988
St. Martin	378	368	411	11.6	8,226	8,127	9,140	51	Alpena	355	370	405	9.3	11,358	11,773	12,865	39
St. Mary	635	597	632	5.8	9,903	9,729	10,520	25	Antrim	198	210	223	5.7	11,659	12,243	12,604	44
St. Tammany	1,929	1,999	2,136	6.9	13,137	13,446	14,201	4	Arenac	161	169	178	5.2	10,543	10,889	11,238	66
Tangipahoa	832	842	878	4.3	9,057	9,247	9,714	40	Baraga	81	86	90	5.0	9,845	10,458	10,944	70
Tensas	62	76	85	12.0	7,421	9,267	10,544	24	Barry	631	666	703	5.6	13,104	13,606	14,167	29
Terrebonne	1,047	1,032	1,088	5.4	10,406	10,510	11,100	21	Bay	1,502	1,565	1,668	6.5	12,953	13,473	14,436	24
Union	215	209	222	6.3	9,337	9,210	9,835	37	Benzie	126	135	145	7.3	11,179	11,787	12,488	45
Vermillion	510	486	524	7.8	9,563	9,193	10,046	33	Berrien	2,092	2,234	2,361	5.7	12,710	13,468	14,173	28
Vernon	511	532	550	3.3	8,533	8,833	9,128	53	Branch	453	483	497	2.9	11,447	11,973	12,200	49
Washington	426	427	452	5.9	8,902	8,972	9,570	43	Calhoun	1,740	1,855	1,979	6.7	12,660	13,370	14,215	27
Webster	478	480	504	5.1	10,411	10,504	11,105	20	Cass	611	660	694	5.1	12,565	13,494	14,018	30
West Baton Rouge	212	213	231	8.1	10,113	10,336	11,138	19	Charlevoix	233	255	282	10.8	11,502	12,225	13,279	34
West Carroll	91	101	106	4.7	6,989	7,833	8,230	60	Cheboygan	220	229	246	7.1	10,561	10,961	11,463	62
West Feliciana	107	107	116	8.8	7,783	7,947	8,575	57	Chippewa	285	300	323	7.6	9,739	10,169	10,723	71
Winn	140	140	149	6.6	8,088	8,186	8,825	55	Clare	240	253	272	7.3	9,497	9,818	10,305	76
Maine	15,036	16,594	18,196	9.7	12,832	13,990	15,092	.....	Clinton	720	753	802	6.5	12,814	13,177	13,831	32
Metropolitan portion	6,508	7,188	7,897	9.9	13,912	15,202	16,446	.....	Crawford	97	102	109	7.0	9,448	9,771	10,124	79
Nonmetropolitan portion	8,528	9,405	10,299	9.5	12,114	13,186	14,197	.....	Delta	437	455	473	4.0	11,294	11,841	12,321	46
Androscoggin	1,243	1,370	1,499	9.5	12,412	13,538	14,511	8	Dickinson	347	365	397	8.9	13,160	13,930	15,173	17
Aroostook	905	1,006	1,049	4.3	10,386	11,587	12,206	13	Eaton	1,254	1,331	1,441	8.3	13,869	14,391	15,325	15
Cumberland	3,614	4,008	4,413	10.1	15,768	17,257	18,740	1	Emmet	319	345	380	10.2	13,355	14,284	15,358	14
Franklin	307	342	381	11.5	10,844	11,926	12,910	11	Genesee	6,555	6,385	6,619	3.7	15,095	14,705	15,367	13
Hancock	599	668	739	10.6	13,549	14,879	16,132	4	Gladwin	214	225	243	7.7	9,769	10,087	10,646	72
Kennebec	1,420	1,556	1,711	10.0	12,626	13,670	14,739	7	Gogebic	190	198	215	8.2	10,158	10,790	11,817	55
Knox	448	495	543	9.8	12,871	14,004	15,147	6	Grand Traverse	832	910	941	3.5	13,908	14,848	14,866	21
Lincoln	408	455	507	11.3	14,500	15,834	17,173	2	Gratiot	454	478	504	5.4	11,590	12,165	12,767	41
Oxford	565	621	676	9.0	11,348	12,252	13,138	10	Hillsdale	491	523	555	6.3	11,551	12,180	12,814	40
Penobscot	1,651	1,811	1,985	9.6	11,923	12,987	14,039	9	Houghton	364	377	407	8.0	10,046	10,491	11,388	63
Piscataquis	186	203	222	9.1	10,270	11,131	11,987	14	Huron	487	512	538	5.1	13,270	13,978	14,706	23
Sagadahoc	431	478	538	12.5	13,749	14,843	16,281	3	Ingham	3,999	4,209	4,484	6.6	14,562	15,265	16,228	8
Somerset	502	526	557	5.9	10,793	11,203	11,641	15	Ionia	565	602	638	5.9	10,397	10,898	11,348	64
Waldo	301	334	363	8.8	10,001	10,921	11,590	16	Iosco	314	335	353	5.5	10,433	11,060	11,593	60
Washington	351	383	429	11.9	10,221	11,095	12,295	12	Iron	151	156	164	5.5	10,890	11,411	12,151	52
York	2,105	2,339	2,585	10.5	13,262	14,453	15,575	5	Isabella	604	643	684	6.4	11,289	11,994	12,669	43
Maryland	75,685	82,770	90,499	9.3	16,964	18,248	19,580	.....	Jackson	1,869	2,031	2,139	5.3	12,830	13,685	14,311	25
Metropolitan portion	71,511	78,229	85,504	9.3	17,248	18,556	19,905	.....	Kalamazoo	3,160	3,387	3,640	7.5	14,755	15,679	16,703	7
Nonmetropolitan portion	4,174	4,541	4,995	10.0	13,236	14,192	15,307	.....	Kalkaska	109	117	126	7.6	9,097	9,558	10,041	80
Allegany	864	909	970	6.7	11,412	12,060	12,904	22	Kent	7,003	7,536	8,194	8.7	14,911	15,807	16,908	6
Anne Arundel	7,172	7,831	8,487	8.4	17,787	19,051	20,323	5	Keweenaw	18	18	20	7.0	9,315	9,425	9,746	82
Baltimore	12,014	12,993	14,074	8.3	17,817	19,089	20,418	4	Lake	74	78	82	5.5	8,608	8,966	9,196	83
Calvert	702	804	907	12.9	16,422	17,746	18,892	8	Lapeer	961	1,010	1,097	8.6	13,402	13,795	14,717	22
Caroline	292	307	340	10.7	12,060	12,456	13,425	21	Leelanau	207	223	241	5.7	13,860	14,886	15,475	12
Carroll	1,889	2,090	2,286	9.4	16,958	18,158	19,252	6	Lenawee	1,176	1,260	1,356	7.6	13,181	14,000	14,901	20
Cecil	927	1,030	1,131	9.8	13,705	14,788	15,756	14	Livingston	1,702	1,883	2,102	11.5	16,115	17,184	18,522	4
Charles	1,319	1,472	1,634	11.0	15,081	16,076	17,236	13	Luce	78	83	92	10.9	13,274	14,309	15,814	11
Dorchester	396	421	456	8.1	13,114	13,927	14,962	18	Mackinac	113	120	127	5.9	10,862	11,514	12,039	54
Frederick	2,020	2,258	2,496	10.5	15,502	16,672	17,861	10	Macomb	11,914	12,411	13,271	6.9	16,997	17,580	18,774	3
Garrett	273	296	316	6.7	10,254	11,112	11,731	24	Manistee	246	261	276	5.5	11,037	11,794	12,318	47
Harford	2,620	2,942	3,253	10.6	16,631	18,059	19,094	7	Marquette	777	825	891	7.9	11,134	11,763	12,716	42
Howard	3,422	3,874	4,324	11.6	23,140	25,048	26,526	2	Mason	279	297	321	7.9	10,610	11,421	12,180	50
Kent	245	267	296	10.5	14,488	15,769	17,367	12	Mecosta	343	370	396	7.0	9,071	9,755	10,342	58
Montgomery	15,969	17,770	19,618	10.4	24,235	26,047	27,831	1	Menominee	282	284	300	5.9	10,854	10,922	11,606	58
Prince Georges	10,447	11,375	12,486	9.8	15,291	16,509	17,813	11	Midland	1,111	1,212	1,313	8.3	15,164	16,393	17,464	5
Queen Annes	499	543	604	11.4	16,644	17,641	18,874	9	Missaukee	106	110	121	10.0	9,534	9,722	10,478	73
St. Marys	846	948	1,069	12.7	12,893	13,987	15,194	17	Monroe	1,838	1,920	2,064	7.5	13,703	14,163	15,127	19
Somerset	212	221	239	8.3	10,981	11,420	12,343	23	Montcalm	563	605	624	3.1	10,993</td			

Table 2.—Total Personal Income and Per Capita Personal Income by County,
1986–88—Continued

Area name	Total personal income			Per capita personal income ³				Area name	Total personal income			Per capita personal income ³					
	Millions of dollars			Percent change ²	Dollars				Millions of dollars			Percent change ²	Dollars			Rank in State	
	1986	1987	1988		1986	1987	1988		1986	1987	1988		1986	1987	1988		
Beltrami.....	328	347	375	8.2	10,009	10,535	11,303	77	Mississippi.....	25,402	27,077	29,147	7.6	9,680	10,318	11,125	.....
Benton.....	314	335	375	11.9	11,568	12,143	13,324	47	Metropolitan portion.....	8,839	9,401	10,035	6.7	11,190	11,802	12,553	.....
Big Stone.....	81	81	78	-3.3	11,132	11,253	11,021	78	Nonmetropolitan portion.....	16,564	17,675	19,112	8.1	9,029	9,671	10,498	.....
Blue Earth.....	642	695	730	5.1	12,626	13,726	14,404	17	Adams.....	388	392	419	6.9	10,075	10,457	11,253	16
Brown.....	363	381	393	3.1	13,033	13,767	14,198	28	Alcorn.....	337	347	366	5.2	10,200	10,627	11,261	15
Carlton.....	322	336	363	8.0	10,920	11,379	12,174	66	Anite.....	100	105	114	9.2	7,458	7,945	8,645	75
Carver.....	649	724	793	9.5	15,852	17,107	17,901	6	Attala.....	154	163	174	6.6	8,168	8,644	9,324	60
Cass.....	211	218	233	7.0	9,638	10,034	10,615	82	Benton.....	66	72	77	6.1	7,765	8,422	8,981	68
Chippewa.....	174	183	184	5	12,256	13,137	13,393	43	Bolivar.....	346	384	425	10.8	7,900	8,991	10,026	41
Chisago.....	363	394	422	7.0	12,839	13,812	14,313	21	Cathou.....	129	142	154	8.2	8,649	9,309	10,109	38
Clay.....	586	610	640	5.0	12,285	12,731	13,285	50	Carroll.....	70	79	86	9.5	7,129	7,924	8,845	70
Clearwater.....	77	76	85	11.5	8,755	8,660	9,595	87	Chickasaw.....	162	175	192	9.3	8,947	9,596	10,452	30
Cook.....	49	51	55	8.5	12,108	12,793	13,869	34	Choctaw.....	72	76	80	5.9	8,046	8,528	8,939	69
Cottonwood.....	185	192	188	-2.4	13,524	14,024	13,851	35	Claiborne.....	91	94	99	5.3	7,568	7,537	8,092	77
Crow Wing.....	502	529	570	7.8	11,352	11,880	12,548	61	Clarke.....	146	152	163	7.1	8,693	9,117	9,747	49
Dakota.....	3,919	4,387	4,904	11.8	17,208	18,294	19,353	3	Cly.....	194	212	228	7.5	8,877	9,741	10,524	29
Dodge.....	192	204	216	6.2	12,511	13,288	13,839	36	Coahoma.....	287	327	361	10.2	8,167	9,466	10,598	27
Douglas.....	317	339	360	6.4	10,872	11,645	12,211	64	Copiah.....	231	240	259	7.8	8,621	8,989	9,563	55
Faribault.....	249	252	253	.5	13,559	13,949	14,258	25	Covington.....	134	140	154	10.3	8,076	8,479	9,286	62
Fillmore.....	266	282	271	-4.1	12,395	13,325	12,823	58	De Soto.....	725	821	902	9.9	11,509	12,191	12,866	5
Freeborn.....	439	462	479	3.7	12,716	13,516	14,012	31	Forrest.....	706	748	809	8.0	10,453	11,230	12,027	8
Goodhue.....	538	567	596	5.1	13,595	14,271	14,835	14	Franklin.....	78	79	86	8.7	9,050	9,380	10,199	37
Grant.....	92	92	89	-2.9	13,756	14,025	13,890	33	George.....	136	141	151	7.2	8,385	8,622	9,233	64
Hennepin.....	18,798	20,108	21,675	7.8	18,990	20,174	21,485	1	Greene.....	68	70	76	8.3	7,068	7,354	8,028	78
Houston.....	217	228	240	5.2	11,481	12,059	12,572	60	Grenada.....	204	220	250	13.6	10,001	10,626	11,976	9
Hubbard.....	145	150	163	8.9	7,964	10,084	10,827	79	Hancock.....	300	321	344	7.4	9,319	9,706	10,268	36
Isanti.....	300	320	341	6.5	12,018	12,595	13,096	53	Harrison.....	1,847	1,924	2,016	4.8	10,613	11,082	11,761	10
Itasca.....	447	456	484	6.2	10,553	10,857	11,542	74	Hinds.....	3,262	3,431	3,650	6.4	12,627	13,395	14,417	1
Jackson.....	164	174	168	-3.5	12,476	13,660	13,337	46	Holmes.....	152	173	180	4.1	6,693	7,587	7,950	79
Kanabec.....	135	143	150	4.7	10,897	11,388	11,663	72	Humphreys.....	109	138	157	14.0	8,027	10,225	11,735	11
Kandiyohi.....	468	494	523	5.9	12,272	12,894	13,473	42	Itasca.....	15	18	24	31.5	6,678	8,566	11,154	17
Kittson.....	97	90	87	-3.3	15,386	14,438	14,172	30	Itawamba.....	176	189	204	8.0	8,487	9,228	10,009	44
Koochiching.....	157	163	175	7.0	12,102	10,889	11,879	69	Jackson.....	1,281	1,317	1,395	6.0	9,987	10,276	10,892	25
Lac Qui Parle.....	122	125	117	-6.3	12,182	12,819	12,254	63	Jasper.....	140	143	156	9.5	8,238	8,441	9,317	61
Lake.....	106	103	108	4.4	9,127	9,111	9,722	86	Jefferson.....	56	57	64	11.3	6,434	6,764	7,639	82
Lake of the Woods.....	42	43	46	7.2	11,035	11,321	11,618	73	Jefferson Davis.....	102	105	113	7.7	7,036	7,222	7,844	80
Le Sueur.....	315	333	336	.7	13,397	14,251	14,366	18	Jones.....	640	645	689	6.8	10,278	10,387	11,120	19
Lincoln.....	88	98	89	-8.6	11,731	13,242	12,388	62	Kemper.....	76	78	86	11.1	6,916	6,984	7,822	81
Lyon.....	324	345	356	3.4	10,037	13,884	14,262	24	Lafayette.....	276	298	319	7.2	8,927	9,639	10,343	34
McLeod.....	420	454	479	5.5	13,371	14,352	14,876	13	Lamar.....	233	246	267	8.6	8,418	8,767	9,651	53
Mahnomen.....	59	58	62	7.8	11,032	10,984	11,878	70	Lauderdale.....	922	961	1,024	6.5	11,996	12,532	13,431	2
Marshall.....	157	150	142	-5.0	13,035	12,585	12,033	68	Lawrence.....	105	110	123	11.8	8,273	8,723	9,731	50
Martin.....	351	360	360	-1	14,417	15,082	15,372	10	Leake.....	166	169	182	8.0	9,022	9,110	9,927	47
Meeker.....	257	276	282	2.0	12,154	13,158	13,146	52	Lee.....	683	753	829	10.0	10,952	11,876	12,949	4
Mille Lacs.....	217	229	246	7.4	11,448	12,039	12,848	57	Leflore.....	361	403	433	7.3	9,108	10,426	11,339	14
Morrison.....	299	310	333	7.5	9,880	10,187	10,821	80	Lincoln.....	267	283	308	8.7	8,544	9,094	9,898	48
Mower.....	510	541	546	.9	13,083	14,079	14,243	27	Lowndes.....	625	661	709	7.4	10,369	11,104	12,037	7
Murray.....	135	142	143	1.0	12,678	13,592	13,769	37	Madison.....	506	586	636	8.5	9,865	11,083	11,389	12
Nicollet.....	323	348	361	3.7	11,691	12,547	12,926	56	Marion.....	217	221	235	6.3	8,212	8,475	9,086	66
Nobles.....	273	290	305	5.2	13,254	14,194	15,012	11	Marshall.....	258	286	298	4.1	7,666	8,489	8,819	71
Norman.....	125	119	122	2.4	14,595	14,039	14,633	15	Monroe.....	350	375	403	7.3	9,469	10,155	10,961	22
Olmsted.....	1,631	1,731	1,848	6.7	16,694	17,537	18,299	5	Montgomery.....	103	110	121	9.9	8,172	8,810	9,675	52
Outer Tail.....	585	601	636	5.8	11,245	11,561	12,169	67	Neshoba.....	208	221	236	7.2	8,369	8,910	9,527	57
Pennington.....	165	167	181	8.6	11,985	12,410	13,497	41	Newton.....	194	200	216	8.2	9,830	10,204	11,148	18
Pine.....	195	205	219	6.8	9,308	9,656	10,161	85	Noxubee.....	87	98	107	9.5	6,780	7,751	8,664	74
Pipestone.....	136	142	145	2.3	12,349	13,023	13,282	51	Okrilbeha.....	326	340	375	10.2	8,828	9,337	10,269	35
Polk.....	448	436	448	2.8	13,432	13,212	13,612	39	Panola.....	233	260	286	10.1	7,835	8,574	9,384	59
Pope.....	119	128	129	.1	10,543	11,468	11,413	75	Pearl River.....	341	356	381	7.0	8,703	8,951	9,545	56
Ramsey																	

Table 2.—Total Personal Income and Per Capita Personal Income by County,
1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³					
	Millions of dollars			Percent change ²				Dollars			Percent change ²					
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1987–88	1986	1987	1988		
Missouri.....	70,490	74,721	79,458	6.3	13,913	14,630	15,455	Putnam.....	55	59	58	-1.2	9,969	10,885	10,784	87
Metropolitan portion.....	51,834	55,078	58,707	6.6	15,515	16,332	17,289	Ralls.....	100	110	117	6.8	11,278	12,327	13,115	30
Nonmetropolitan portion.....	18,656	19,643	20,752	5.6	10,812	11,321	11,889	Randolph.....	275	286	301	5.2	10,459	10,918	11,596	74
Adair.....	252	263	276	5.0	10,597	11,138	11,803	Ray.....	282	291	312	7.3	12,820	13,066	13,851	18
Andrew.....	173	182	189	3.9	11,664	12,137	12,462	Reynolds.....	52	54	60	10.7	7,786	8,149	9,023	109
Atchison.....	99	95	94	-1.9	12,444	12,185	11,999	Ripley.....	96	96	103	6.9	7,449	7,420	7,830	114
Audrain.....	297	308	328	6.4	11,587	12,083	12,952	St. Charles.....	2,938	3,221	3,411	5.9	15,961	16,466	16,690	4
Barry.....	286	300	323	7.6	10,678	10,930	11,606	St. Clair.....	84	87	95	9.3	10,081	10,376	11,327	81
Barton.....	134	140	151	7.8	11,800	12,139	13,071	Ste. Genevieve.....	185	199	208	4.7	11,699	12,418	12,714	40
Bates.....	191	206	216	5.2	12,244	13,075	13,583	St. Francois.....	504	541	578	6.9	11,302	11,621	12,176	55
Benton.....	125	130	137	5.4	9,658	9,939	10,301	St. Louis.....	18,644	19,977	21,424	7.2	18,674	19,906	21,237	1
Bollinger.....	92	97	103	6.7	8,556	8,835	9,310	Sainte Genevieve.....	301	315	328	4.1	12,305	12,867	13,448	23
Boone.....	1,414	1,531	1,646	7.5	13,519	14,486	15,556	Sainte Genevieve.....	47	50	50	-1	10,301	11,177	11,390	78
Buchanan.....	1,089	1,138	1,202	5.7	12,637	13,245	14,080	Scott.....	59	62	60	-3.3	11,478	12,275	11,988	63
Butler.....	382	399	430	8.0	9,890	10,265	11,130	Scott.....	437	463	492	6.4	10,820	11,373	12,084	60
Caldwell.....	102	105	108	2.8	12,484	12,718	13,055	Shannon.....	54	56	58	4.5	6,874	7,018	7,267	115
Callaway.....	396	420	446	6.0	12,390	12,811	13,488	Shelby.....	86	92	89	-3.1	11,757	12,760	12,476	46
Camden.....	291	315	338	7.2	11,871	12,506	13,104	Stoddard.....	307	324	355	9.4	10,668	11,306	12,363	53
Cape Girardeau.....	777	842	882	4.8	12,683	13,697	14,182	Stone.....	207	212	225	5.7	11,304	11,318	11,716	70
Carroll.....	134	135	138	2.6	11,714	11,913	12,402	Sullivan.....	71	75	75	-3	10,360	11,156	11,244	82
Carter.....	42	44	47	7.4	7,216	7,561	8,021	Taney.....	285	302	323	7.0	11,621	11,992	12,713	41
Cass.....	808	873	936	7.2	14,014	14,632	15,247	Texas.....	192	205	215	4.9	8,937	9,546	9,907	99
Cedar.....	118	124	130	4.8	9,476	10,057	10,521	Vernon.....	228	243	256	5.5	11,518	12,262	12,989	35
Chariton.....	114	120	124	3.4	11,468	12,196	12,723	Warren.....	246	258	276	6.7	13,323	13,576	14,061	16
Christian.....	321	347	388	11.7	11,815	11,985	12,742	Washington.....	176	185	192	3.4	9,257	9,611	9,810	102
Clark.....	82	85	82	-3.6	10,159	10,520	10,304	Wayne.....	91	96	103	6.9	7,671	7,941	8,294	111
Clay.....	2,294	2,435	2,587	6.2	15,811	16,433	17,186	Webster.....	221	233	246	5.8	9,720	10,038	10,361	92
Clinton.....	206	216	227	5.0	12,381	12,972	13,417	Worth.....	30	30	30	-3	10,815	11,146	11,385	79
Cole.....	802	850	903	6.2	13,063	13,854	14,643	Wright.....	142	152	159	4.5	8,542	9,015	9,353	106
Cooper.....	167	173	185	6.5	11,285	11,835	12,681	St. Louis City.....	6,011	6,244	6,492	4.0	14,342	15,159	16,094	6
Crawford.....	205	217	240	10.4	10,684	11,080	11,977	Montana.....	9,588	9,979	10,382	4.0	11,730	12,332	12,903	.....
Dade.....	78	80	90	12.0	10,658	10,769	11,848	Metropolitan portion.....	2,583	2,676	2,813	5.1	13,011	13,632	14,453	.....
Dallas.....	117	124	130	5.5	9,129	9,423	9,754	Nonmetropolitan portion.....	7,004	7,303	7,570	3.7	11,319	11,916	12,409	.....
Daviess.....	83	86	85	-9	9,763	10,234	10,052	Beaverhead.....	92	100	107	6.1	10,958	12,038	12,775	25
De Kalb.....	89	96	99	2.7	11,281	11,961	12,170	Big Horn.....	110	115	117	1.7	9,771	10,456	10,716	47
Dent.....	143	152	164	8.2	9,984	10,616	11,362	Blaine.....	68	70	70	-4	9,666	10,037	10,066	52
Douglas.....	95	96	99	2.3	7,768	7,816	7,857	Broadwater.....	35	37	37	-2	10,057	10,440	10,642	50
Dunklin.....	303	323	339	5.0	8,706	9,350	9,810	Carbon.....	88	92	96	4.8	10,346	11,036	11,571	39
Franklin.....	1,024	1,102	1,166	5.8	13,296	14,091	14,811	Carter.....	19	22	22	3.0	11,151	12,749	13,618	13
Gasconade.....	180	186	198	6.5	13,155	13,429	14,285	Cascade.....	1,038	1,082	1,141	5.5	13,200	13,819	14,597	2
Gentry.....	85	87	86	-6	11,528	12,038	12,159	Chouteau.....	80	82	76	-7.2	13,601	14,056	13,188	20
Greene.....	2,644	2,810	2,986	6.3	13,274	13,914	14,648	Custer.....	152	157	166	5.1	11,533	12,028	13,045	22
Grundy.....	123	131	135	2.8	11,115	11,869	12,370	Daniels.....	37	36	32	-11.9	14,081	14,000	12,463	28
Harrison.....	100	108	106	-2.0	10,810	11,919	11,812	Dawson.....	.24	127	129	1.5	11,348	12,184	12,770	26
Henry.....	228	231	250	8.0	11,436	11,597	12,459	Deer Lodge.....	104	107	108	1.5	10,043	10,629	10,870	46
Hickory.....	59	65	68	5.0	8,330	8,824	9,115	Fallon.....	44	45	46	2.2	12,095	12,828	13,722	12
Holt.....	77	78	76	-2.8	11,739	12,246	12,147	Fergus.....	144	144	144	0.1	11,510	11,697	11,931	37
Howard.....	108	114	121	5.7	11,141	11,882	12,710	Flathead.....	677	717	775	8.0	11,615	12,375	13,226	19
Howell.....	291	306	326	6.5	9,609	10,002	10,522	Gallatin.....	544	569	598	5.0	11,139	11,736	12,341	30
Iron.....	107	106	110	3.7	9,787	9,572	9,817	Garfield.....	24	23	22	-3.9	14,664	14,465	14,064	8
Jackson.....	9,551	9,973	10,592	6.2	14,918	15,522	16,430	Glacier.....	121	127	129	1.8	10,894	11,363	11,638	38
Jasper.....	1,058	1,115	1,197	7.3	11,664	12,170	12,990	Golden Valley.....	12	13	14	1.4	11,379	12,254	12,334	31
Jefferson.....	2,077	2,225	2,423	8.9	12,679	13,244	14,054	Granite.....	29	32	33	2.2	11,085	12,335	12,474	27
Johnson.....	405	433	464	7.1	10,685	11,252	11,893	Hill.....	212	217	203	-6.5	11,929	12,245	11,521	41
Knox.....	50	53	54	2.7	10,230	10,711	11,190	Jefferson.....	101	111	120	8.2	12,705	13,670	14,432	4
Laclede.....	276	301	325	8.0	10,702	11,478	12,340	Judith Basin.....	26	27	25	-6.7	10,102	10,433	10,002	53
Lafayette.....	402	423	459	8.4	13,102	13,718	14,695	Lake.....	203	212	229	7.9	9,676	10,128	10,879	45
Lawrence.....	329	341	364	6.6	10,873	11,211	11,775	Lewis and Clark.....	602	632	667	5.5	12,869	13,405	14,195	6
Lewis.....	109	114	119	4.1	10,221	10,884	11,372	Liberty.....	37	37	31	-14.5	16,079	15,668	13,409	15
Lincoln.....	333	354	379	7.2	12,691	12,962	13,419	Lincoln.....	177	181	187	3.5	9,315	9,580	9,975	54
Linn.....	165	176	178	1.3	11,275	12,170	12,372	McCone.....	33	33	28	-17.0	12,887			

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Percent change ²		Rank in State		Millions of dollars			Percent change ²		Dollars				
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1986	1987	Rank in State				
Wibaux...	14	15	15	1.1	10,521	11,800	12,169	33	Stanton...	78	78	79	1.4	12,177	11,807	12,036	84
Yellowstone...	1,546	1,594	1,671	4.8	12,888	13,507	14,356	5	Thayer...	99	98	103	4.4	13,696	13,835	14,568	33
Park (incl. Ylwstn. Natl. Park)...	153	157	166	5.7	11,735	12,799	13,453	14	Thomas...	10	11	12	2.5	10,147	12,467	12,579	78
Nebraska...	21,583	22,514	23,701	5.3	13,505	14,125	14,793	...	Thurston...	60	63	63	–8	8,534	9,058	8,902	93
Metropolitan portion...	10,691	11,312	12,058	6.1	14,287	15,056	15,815	...	Valley...	74	76	77	1.4	12,623	13,438	13,785	51
Nonmetropolitan portion...	10,892	11,203	11,643	3.9	12,294	13,866	13,866	...	Washington...	218	224	240	7.1	13,835	14,164	14,986	29
Adams...	408	426	465	9.1	13,211	14,027	15,294	23	Wayne...	103	109	110	.8	10,589	11,258	11,251	89
Antelope...	104	98	100	2.5	12,262	11,580	11,934	85	Webster...	63	63	65	3.1	13,742	13,959	14,478	35
Arthur...	7	7	8	10.9	13,236	15,314	17,597	7	Wheeler...	25	30	28	–4.7	23,999	30,469	28,917	1
Banner...	18	17	15	–9.1	17,725	16,674	15,598	20	York...	198	211	227	7.8	13,363	14,318	13,300	22
Blaine...	8	9	9	1.3	10,724	12,580	12,553	79	Nevada...	14,932	16,473	18,476	12.2	15,454	16,372	17,525	...
Boone...	84	89	89	.4	11,793	12,638	12,801	72	Metropolitan portion...	12,482	13,773	15,431	12.0	15,676	16,552	17,717	...
Box Butte...	206	205	217	6.0	14,118	14,299	15,496	19	Nonmetropolitan portion...	2,450	2,700	3,044	12.7	14,418	15,514	16,612	...
Boyd...	33	35	35	2.0	10,521	11,017	11,343	88	Churchill...	195	220	246	12.0	12,674	13,797	14,913	12
Brown...	50	57	55	–3.8	12,032	14,331	14,095	45	Clark...	8,568	9,521	10,718	12.6	15,032	15,893	16,979	8
Buffalo...	420	450	486	7.9	11,438	12,226	13,128	68	Douglas...	427	461	503	9.1	18,386	19,166	20,133	2
Burt...	116	118	121	3.0	13,686	14,044	14,570	32	Elko...	300	342	398	16.3	13,247	14,412	15,052	11
Butler...	120	125	132	5.6	13,196	13,823	14,592	31	Esmeralda...	17	19	22	18.2	13,236	15,288	18,607	5
Cass...	276	281	291	3.6	12,522	12,686	13,141	67	Eureka...	19	22	31	40.2	15,432	17,388	22,139	1
Cedar...	112	118	119	.4	10,257	10,940	11,087	90	Humboldt...	124	147	180	22.6	12,059	13,784	15,345	...
Chase...	64	64	73	14.7	13,671	13,847	15,969	14	Lander...	57	73	84	15.9	13,387	16,887	17,570	7
Cherry...	72	81	83	2.3	10,519	12,153	12,777	74	Lincoln...	46	47	52	10.7	13,362	13,445	14,801	14
Cheyenne...	157	149	156	4.6	15,547	14,552	15,530	18	Lyon...	217	240	273	13.5	12,712	13,794	14,807	13
Clay...	121	124	119	–3.8	15,704	16,157	15,763	16	Mineral...	76	82	90	9.7	12,335	13,591	14,732	15
Colfax...	118	116	116	.3	12,303	12,276	12,690	75	Nye...	184	200	220	10.3	12,660	13,738	14,250	17
Cuming...	138	143	149	3.8	12,385	13,090	13,577	55	Pershing...	45	53	63	20.4	12,082	12,736	14,608	16
Custer...	165	177	183	3.4	12,480	13,673	14,313	40	Storey...	28	31	35	12.2	14,687	15,923	18,020	6
Dakota...	197	209	220	5.4	11,253	12,253	12,789	73	Washoe...	3,914	4,252	4,713	10.8	17,298	18,244	19,660	3
Dawes...	109	110	116	5.4	11,782	11,853	12,672	76	White Pine...	99	104	120	16.0	13,005	13,383	15,140	10
Dawson...	253	267	275	2.9	11,930	12,943	13,290	62	Carson City...	616	660	725	10.0	16,576	17,589	18,871	4
Deuel...	39	36	39	7.9	16,429	15,190	16,835	11	New Hampshire...	17,039	18,947	20,873	10.2	16,595	17,938	19,233	...
Dixon...	70	78	78	.9	10,287	11,646	11,833	86	Metropolitan portion...	11,038	12,220	13,424	9.8	17,500	18,818	20,139	...
Dodge...	454	462	478	3.5	12,847	13,067	13,512	56	Nonmetropolitan portion...	6,001	6,727	7,449	10.7	15,154	16,532	17,792	...
Douglas...	6,252	6,593	7,010	6.3	15,108	16,901	17,716	13	Belknap...	768	853	946	10.9	16,391	17,714	19,113	4
Dundy...	49	55	58	6.3	17,453	19,700	21,671	3	Carroll...	531	611	681	11.3	16,800	18,388	19,426	3
Fillmore...	128	133	136	2.0	17,296	18,067	18,435	5	Cheshire...	954	1,062	1,169	10.1	14,255	15,428	16,627	7
Franklin...	55	55	57	4.2	13,705	13,729	14,365	37	Coos...	439	483	548	13.5	12,861	14,087	15,788	10
Frontier...	48	48	48	.4	13,610	14,062	14,318	39	Grafton...	1,013	1,142	1,273	11.5	14,535	16,006	17,433	6
Furnas...	86	86	88	2.3	13,903	14,331	14,997	28	Hillsborough...	5,744	6,360	6,975	9.7	18,170	19,597	20,998	1
Gage...	303	308	318	3.1	12,972	13,298	13,720	52	Merrimack...	1,772	2,001	2,199	9.9	16,300	17,873	18,913	5
Garden...	51	46	49	4.9	16,259	17,012	18,233	6	Rockingham...	3,965	4,393	4,832	10.0	17,974	19,210	20,504	2
Garfield...	23	25	26	4.0	10,227	11,573	12,080	83	Strafford...	1,328	1,468	1,617	10.1	14,133	15,257	16,377	8
Gosper...	33	33	35	5.2	15,368	15,742	16,806	12	Sullivan...	523	574	633	10.2	13,755	14,708	15,902	9
Grant...	10	11	11	–2	11,932	13,585	14,072	47	New Jersey...	143,110	156,130	170,914	9.5	18,768	20,344	22,136	...
Greely...	40	45	45	–9.1	12,272	13,897	14,263	41	Metropolitan portion...	143,110	156,130	170,914	9.5	18,768	20,344	22,136	...
Hall...	618	645	684	6.0	12,642	13,230	14,074	46	Atlantic...	3,964	4,339	4,736	9.1	19,204	20,757	22,216	10
Hamilton...	127	128	138	7.6	14,046	14,185	15,196	25	Bergen...	19,762	21,586	23,744	10.0	23,603	25,950	28,626	2
Harlan...	53	51	53	3.1	12,889	12,593	13,151	66	Burlington...	6,551	7,217	7,930	9.9	17,119	18,550	19,947	14
Hayes...	23	23	24	3.5	17,534	18,897	19,521	4	Camden...	7,649	8,268	9,006	8.9	15,507	16,627	17,932	17
Hitchcock...	56	56	55	–7	14,308	14,170	14,223	42	Cape May...	1,611	1,763	1,916	8.6	17,471	18,663	19,948	13
Holt...	171	185	172	–7.1	12,694	13,848	13,099	69	Cumberland...	1,749	1,878	2,040	8.6	12,764	13,656	14,734	21
Hooker...	10	11	11	–8	10,261	11,358	10,852	91	Essex...	14,380	15,558	16,959	9.0	17,018	18,444	20,216	11
Howard...	71	77	77	.7	10,874	11,914	12,109	82	Gloucester...	3,088	3,403	3,725	9.5	14,658	15,923	17,001	18
Jefferson...	128	129	132	2.3	13,628	13,931	14,469	36	Hudson...	7,897	8,482	9,172	8.1	14,270	15,518	16,915	19
Johnson...	60	60	62	3.1	12,209	12,295	12,847	71	Hunterdon...	2,297	2,575	2,825	9.7	23,833	26,015	28,163	3
Kearney...	99	101	106	5.0	14,864	15,189	15,845	15	Mercer...	6,133	6,750	7,378	9.3	19,015	20,646	22,291	9
Keith...	129	122	133	8.5	14,351	13,782	15,248	24	Middlesex...	12,437	13,431	14,830	10.4	19,533	20,800	22,756	7
Keya Paha...	14	18	17	–6.8	11,572	15,187	14,784	30	Monmouth...	11,061	12,212	13,413	9.8	20,391	22,066	24,003	5
Kimball...	82	79	77</td														

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³					
	Millions of dollars			Percent change ²	Dollars			Millions of dollars			Percent change ²	Dollars		Rank in State		
	1986	1987	1988		1986	1987		1986	1987	1988		1986	1987			
Lea.....	698	676	711	5.2	10,933	11,338	12,195	9	North Carolina	78,788	85,431	92,753	8.6	12,457	13,333	14,297
Lincoln.....	144	148	162	9.9	10,549	10,933	12,101	12	Metropolitan portion	48,525	52,808	57,424	8.7	13,928	14,917	15,979
Los Alamos.....	389	416	432	3.7	20,311	21,487	22,614	1	Nonmetropolitan portion	30,264	32,623	35,328	8.3	10,652	11,377	12,209
Luna.....	155	159	169	6.3	8,717	8,782	9,333	25	Alamance.....	1,411	1,524	1,656	8.6	13,676	14,562	15,642
McKinley.....	455	470	495	5.4	7,116	7,267	7,470	33	Alexander.....	314	336	364	8.2	11,677	12,365	13,193
Mora.....	30	32	33	1.9	6,277	7,277	7,543	32	Alleghany.....	91	98	108	9.3	9,367	10,058	10,953
Otero.....	542	565	586	3.7	10,662	11,012	11,538	17	Anson.....	247	265	287	8.2	9,404	10,126	10,950
Quay.....	119	127	133	4.4	10,298	10,987	11,629	16	Ashe.....	216	230	248	7.6	9,321	9,848	10,542
Rio Arriba.....	250	263	279	5.9	8,725	8,157	8,542	30	Avery.....	139	149	161	8.1	9,263	9,826	10,580
Roosevelt.....	171	177	174	-1.5	10,188	10,715	10,631	21	Beaufort.....	445	472	522	10.5	10,562	11,212	12,300
Sandoval.....	550	611	685	12.2	10,596	10,765	11,372	19	Bertie.....	217	220	229	4.0	10,222	10,402	10,870
San Juan.....	887	871	912	4.8	9,728	9,803	10,523	22	Bladen.....	266	295	322	8.9	8,647	9,385	10,408
San Miguel.....	195	203	213	4.8	7,784	8,114	8,495	31	Brunswick.....	466	502	547	8.9	9,745	10,123	10,737
Santa Fe.....	1,217	1,306	1,390	6.4	13,671	14,183	14,891	4	Buncombe.....	2,134	2,297	2,489	8.4	12,557	13,405	14,380
Sierra.....	99	104	110	5.8	10,399	10,736	11,395	18	Burke.....	854	926	997	7.7	11,233	12,125	12,904
Socorro.....	119	129	136	5.7	8,222	8,924	9,348	24	Cabarrus.....	1,180	1,297	1,405	8.3	12,661	13,722	14,648
Taos.....	186	188	197	4.8	8,454	8,658	9,092	27	Caldwell.....	778	846	914	8.0	11,080	11,984	12,796
Torrance.....	83	88	93	5.8	8,936	8,801	9,210	26	Camden.....	62	68	76	12.0	10,675	11,463	12,620
Union.....	60	64	71	11.5	12,017	13,412	15,334	2	Carteret.....	561	591	640	8.3	11,311	11,707	12,557
Valencia.....	404	437	480	9.9	10,634	11,191	11,941	13	Catawba.....	1,510	1,653	1,793	8.5	13,245	14,298	15,282
New York.....	297,901	319,676	344,947	7.9	16,731	17,923	19,261	.....	Chatham.....	471	502	544	8.3	13,082	13,828	14,801
Metropolitan portion.....	279,500	299,970	323,695	7.9	17,186	18,420	19,809	.....	Cherokee.....	181	199	212	7.0	8,894	9,523	10,029
Nonmetropolitan portion	18,401	19,706	21,252	7.8	11,936	12,706	13,545	.....	Chowan.....	143	151	165	8.9	10,708	11,170	12,047
Albany.....	4,676	4,993	5,388	7.9	16,456	17,650	19,086	10	Clay.....	64	67	73	9.5	8,933	9,249	10,061
Allegany.....	482	518	558	7.6	9,646	10,389	11,037	60	Cleveland.....	971	1,074	1,155	7.6	11,300	12,447	13,263
Bronx.....	14,266	15,080	16,229	7.6	11,794	12,332	13,266	45	Columbus.....	470	504	548	8.7	9,008	9,553	10,435
Broome.....	3,026	3,196	3,422	7.1	14,401	15,341	16,413	18	Craven.....	900	971	1,042	7.3	11,199	12,094	12,791
Cattaraugus.....	893	943	1,006	6.7	10,525	11,257	11,993	58	Cumberland.....	2,795	2,997	3,225	7.6	10,976	11,673	12,612
Cayuga.....	943	994	1,061	6.7	11,834	12,500	13,252	46	Currituck.....	141	152	164	8.1	10,526	11,102	11,757
Chautauqua.....	1,732	1,800	1,918	6.6	12,142	12,722	13,569	40	Dare.....	230	260	296	13.7	12,302	13,020	13,795
Chemung.....	1,145	1,229	1,327	8.0	12,691	13,542	14,471	33	Davidson.....	1,419	1,545	1,679	8.7	11,741	12,558	13,509
Chenango.....	598	628	682	8.6	11,952	12,390	13,302	43	Davie.....	382	392	427	8.9	14,142	14,249	15,332
Clinton.....	900	965	1,016	5.2	11,051	11,838	12,390	53	Duplin.....	374	403	441	9.6	8,985	9,661	10,595
Columbia.....	917	987	1,069	8.3	15,118	16,254	17,507	14	Durham.....	2,483	2,680	2,904	8.4	14,981	15,841	16,943
Cortland.....	520	557	601	7.9	10,929	11,643	12,549	50	Edgecombe.....	590	628	671	6.9	9,991	10,554	11,203
Delaware.....	499	534	578	8.3	10,735	11,344	12,169	56	Forsyth.....	4,153	4,497	4,896	8.8	15,946	17,009	18,387
Dutchess.....	4,353	4,700	5,060	7.7	17,023	18,153	19,297	9	Franklin.....	333	361	390	7.9	9,756	10,295	10,997
Erie.....	13,833	14,592	15,667	7.4	14,393	15,257	16,342	20	Gaston.....	2,103	2,318	2,499	7.8	12,249	13,433	14,348
Essex.....	421	450	486	7.9	11,522	12,419	13,293	44	Gates.....	98	107	116	7.7	10,233	11,100	11,821
Franklin.....	458	491	537	9.3	10,604	11,353	12,338	54	Graham.....	57	60	62	3.0	7,969	8,461	8,842
Fulton.....	656	699	749	7.2	12,129	12,994	13,888	38	Granville.....	391	430	468	8.7	10,395	11,260	12,034
Genesee.....	788	837	913	9.1	13,486	14,373	15,568	23	Greene.....	140	154	166	8.3	8,473	9,330	10,154
Greene.....	533	585	631	7.9	12,654	13,830	14,633	30	Guilford.....	5,135	5,582	6,102	9.3	15,584	16,751	18,117
Hamilton.....	64	68	74	7.7	13,157	13,964	14,912	28	Halifax.....	544	572	626	9.4	9,708	10,098	11,066
Herkimer.....	748	785	834	6.3	11,166	11,776	12,446	52	Harnett.....	581	629	687	9.1	9,077	9,661	10,361
Jefferson.....	1,071	1,259	1,454	15.5	11,825	13,221	14,376	34	Haywood.....	546	578	614	6.3	11,263	12,034	12,734
Kings.....	29,602	31,359	33,663	7.3	12,811	13,556	14,546	31	Henderson.....	900	1,000	1,078	7.8	13,458	14,761	15,567
Lewis.....	254	266	285	7.2	10,135	10,392	10,787	62	Hertford.....	228	238	257	7.8	9,474	10,003	10,866
Livingston.....	759	804	863	7.3	13,002	13,677	14,538	32	Hoke.....	175	196	212	8.0	7,579	8,226	8,838
Madison.....	808	865	931	7.7	12,184	12,997	13,864	39	Hyde.....	49	49	57	16.7	8,284	8,429	10,012
Monroe.....	12,045	12,546	13,636	8.7	17,205	17,996	19,472	8	Iredell.....	1,167	1,266	1,372	8.4	13,210	14,082	14,985
Montgomery.....	636	678	726	7.1	12,282	13,196	14,051	36	Jackson.....	256	277	300	8.4	9,637	10,299	11,090
Nassau.....	29,980	32,464	35,154	8.3	22,698	24,628	26,669	3	Johnston.....	848	922	1,007	9.2	10,831	11,619	12,491
New York.....	41,345	44,804	48,392	8.0	27,671	29,832	32,049	1	Jones.....	85	92	99	8.0	8,632	9,341	10,065
Niagara.....	2,910	3,050	3,252	6.6	13,462	14,168	14,989	27	Lee.....	507	542	583	7.5	12,308	13,152	13,902
Oneida.....	3,242	3,415	3,655	7.0	13,125	13,867	14,886	29	Lenoir.....	656	694	743	7.2	10,900	11,477	12,328
Onondaga.....	6,964	7,344	7,909	7.5	15,088	16,000	17,137	15	Lincoln.....	557	614	671	9.3	12,069	13,007	13,823
Ontario.....	1,294	1,379	1,511	9.6	14,178	15,092	16,424	17	McDowell.....	352	374	395	5.5	9,714	10,308	10,861
Orange.....	4,396	4,882	5,321	9.0	15,617	16,962	18,128	12	Macon.....	247	260	283	8.8	10,701	11,216	12,094
Oreans.....	487															

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars		Percent change ²	Dollars		Rank in State		Millions of dollars		Percent change ²	Dollars		Rank in State				
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1986	1987	1988				
Stokes.....	392	432	471	8.9	10,998	11,918	12,899	37	Clermont.....	1,766	1,920	2,092	8.9	12,517	13,273	14,223	37
Surry.....	715	764	830	8.7	11,663	12,359	13,370	31	Clinton.....	431	459	489	6.5	12,313	12,927	13,643	47
Swain.....	85	89	96	7.8	7,944	8,375	9,124	98	Columbiana.....	1,107	1,149	1,231	7.1	10,191	10,603	11,340	75
Transylvania.....	296	319	342	7.2	11,445	12,272	13,051	35	Coshcohton.....	395	420	443	5.3	11,049	11,738	12,289	62
Tyrell.....	30	34	39	15.4	7,390	8,136	9,466	95	Crawford.....	554	575	614	6.5	11,353	11,790	12,613	58
Union.....	1,092	1,179	1,299	10.2	13,694	14,412	15,459	11	Cuyahoga.....	23,558	24,793	26,381	6.4	16,171	17,117	18,437	1
Vance.....	382	411	442	7.7	9,851	10,486	11,271	62	Darke.....	675	711	759	6.8	12,566	13,172	13,972	43
Wake.....	6,062	6,631	7,271	9.7	16,569	17,716	18,734	2	Defiance.....	487	511	543	6.4	12,403	13,672	13,672	45
Warren.....	151	164	180	9.6	9,154	9,926	10,836	76	Delaware.....	880	987	1,062	7.6	14,925	16,199	16,917	7
Washington.....	136	140	152	8.4	9,363	9,576	10,366	87	Erie.....	1,051	1,111	1,183	6.5	13,587	14,372	15,218	18
Watauga.....	335	362	392	8.3	9,723	10,502	11,315	60	Fairfield.....	1,294	1,374	1,458	6.1	13,200	13,717	14,344	36
Wayne.....	1,058	1,116	1,213	8.7	10,867	11,381	12,292	47	Fayette.....	299	315	332	5.2	10,902	11,491	12,093	65
Wilkes.....	668	708	753	6.4	11,004	11,563	12,254	49	Franklin.....	13,709	14,773	15,933	7.8	15,016	15,975	16,984	6
Wilson.....	787	839	909	8.3	12,189	12,863	13,861	23	Fulton.....	519	549	586	6.6	13,667	14,383	15,137	20
Yadkin.....	338	364	399	9.6	11,437	12,136	13,150	34	Gallia.....	314	330	346	4.9	10,446	10,899	11,450	73
Yancey.....	146	157	170	8.5	9,213	9,826	10,638	81	Geauga.....	1,237	1,356	1,462	7.8	16,153	17,544	18,429	2
North Dakota.....	8,386	8,615	8,816	-1.2	12,361	12,831	12,767	.....	Greene.....	1,864	1,975	2,140	8.4	14,237	14,898	16,030	13
Metropolitan portion.....	3,260	3,432	3,554	3.6	12,839	13,468	13,864	.....	Guernsey.....	422	442	462	4.6	10,563	11,069	11,549	69
Nonmetropolitan portion.....	5,126	5,184	4,961	-4.3	12,075	12,442	12,082	.....	Hamilton.....	13,719	14,662	15,705	7.1	15,671	16,724	17,969	3
Adams.....	44	45	44	-2.5	12,484	13,165	13,368	11	Hancock.....	1,015	1,070	1,121	4.8	15,510	16,316	17,023	5
Barnes.....	157	166	153	-7.8	11,824	12,522	11,711	32	Hardin.....	337	351	364	3.8	10,663	11,050	11,548	70
Benson.....	74	74	63	-15.0	9,678	9,885	8,493	52	Harrison.....	159	166	167	.8	9,749	10,573	10,568	79
Billings.....	16	15	16	2.8	12,952	12,030	12,520	20	Henry.....	377	392	414	5.5	13,276	13,777	14,549	29
Bottineau.....	115	111	106	-4.3	12,809	12,709	12,407	21	Highland.....	367	397	418	5.3	10,592	11,238	11,710	67
Bowman.....	51	55	57	4.4	11,986	13,356	14,171	7	Hocking.....	249	264	281	6.6	10,033	10,488	11,146	76
Burke.....	44	43	40	-7.6	12,517	12,670	12,150	29	Holmes.....	264	287	307	6.9	8,582	9,262	9,847	86
Burleigh.....	814	857	888	3.6	13,499	14,267	14,704	1	Huron.....	716	762	814	6.8	12,393	13,605	14,440	32
Cass.....	1,334	1,401	1,469	4.9	13,631	14,125	14,669	3	Jackson.....	285	294	308	4.9	9,428	9,681	10,251	81
Cavalier.....	108	114	80	-29.7	16,178	17,437	12,371	23	Jefferson.....	970	992	1,059	6.8	11,559	11,995	12,873	53
Dickey.....	82	86	74	-13.3	11,937	12,731	11,336	35	Knox.....	554	581	617	6.3	11,714	12,229	12,909	52
Divide.....	53	52	44	-14.6	16,402	16,320	14,275	5	Lake.....	3,223	3,419	3,658	7.0	15,065	15,941	17,036	4
Dunn.....	41	43	44	2.6	9,078	9,249	9,656	49	Lawrence.....	573	603	639	6.0	9,146	9,639	10,185	82
Eddy.....	40	43	39	-9.4	12,117	13,305	12,238	27	Licking.....	1,656	1,725	1,829	6.1	13,263	13,742	14,456	31
Emmons.....	56	60	60	.5	9,967	10,888	11,112	39	Logan.....	479	510	548	7.4	11,975	12,534	13,341	49
Foster.....	53	53	52	-1.7	12,052	12,222	12,305	24	Lorain.....	3,409	3,647	3,920	7.5	12,673	13,532	14,492	30
Golden Valley.....	33	34	34	1.7	13,490	13,925	14,700	2	Lucas.....	6,734	7,130	7,575	6.2	14,485	15,324	16,247	12
Grand Forks.....	832	884	902	2.1	11,941	12,638	12,801	16	Madison.....	413	445	488	9.7	11,765	12,491	13,666	46
Grant.....	40	42	39	-6.0	9,597	10,181	9,779	46	Mahoning.....	3,448	3,571	3,848	7.8	12,530	13,097	14,152	40
Griggs.....	45	43	43	.4	12,568	11,922	12,243	26	Marion.....	718	743	790	6.3	11,018	11,421	12,189	64
Hettinger.....	52	49	45	-7.4	13,411	12,704	12,217	28	Medina.....	1,713	1,840	2,020	9.8	14,762	15,638	16,809	8
Kidder.....	32	35	34	-2.5	8,516	9,212	9,027	51	Meigs.....	218	226	237	4.9	9,205	9,580	10,062	84
LaMoure.....	59	65	56	-12.5	9,821	10,908	9,708	47	Mercer.....	521	550	573	4.2	13,504	14,143	14,609	27
Logan.....	31	31	33	9.5	9,571	9,737	10,722	42	Miami.....	1,236	1,311	1,420	8.3	13,724	14,490	15,514	15
McFlenny.....	79	76	70	-8.0	10,640	10,439	9,708	47	Monroe.....	176	182	186	2.0	11,087	11,558	11,980	66
McIntosh.....	52	55	53	-3.3	11,826	12,611	12,382	22	Montgomery.....	8,413	8,815	9,497	7.7	14,798	15,431	16,527	10
McKenzie.....	84	84	83	-1.8	10,178	10,643	10,699	43	Morgan.....	150	158	165	4.3	10,605	11,087	11,519	72
McLean.....	152	141	130	-7.4	12,479	11,783	11,049	41	Morrow.....	290	304	320	5.2	10,689	11,091	11,602	68
Mercer.....	147	147	150	1.8	10,580	10,895	11,075	40	Muskingum.....	960	1,013	1,077	6.3	11,503	12,097	12,807	55
Morton.....	280	290	296	1.8	10,739	11,321	11,641	33	Noble.....	111	115	123	6.7	9,892	10,272	11,066	77
Mountrail.....	97	86	85	-1.3	12,305	11,066	11,226	38	Ottawa.....	596	623	670	7.6	14,963	15,677	16,763	9
Nelson.....	65	66	59	-10.6	13,519	13,949	12,662	18	Paulding.....	248	262	274	4.5	11,884	12,469	12,994	51
Oliver.....	29	30	29	-2.1	10,690	11,442	11,259	36	Perry.....	307	318	333	4.8	9,664	9,925	10,370	80
Pembina.....	143	147	133	-9.9	13,831	14,357	12,914	13	Pickaway.....	513	546	576	5.1	11,173	11,742	12,352	59
Pierce.....	68	64	61	-4.5	11,930	11,624	11,387	34	Pike.....	223	234	254	8.5	9,019	9,344	10,017	85
Ramsey.....	187	189	175	-7.3	14,263	14,506	13,481	9	Portage.....	1,738	1,842	2,001	8.6	12,625	13,340	14,346	35
Ransom.....	74	80	76	-4.7	11,547	12,568	12,247	25	Preble.....	473	493	531	7.7	12,166	12,534	13,380	48
Renville.....	46	42	38	-8.9	13,211	12,051	11,241	37	Putnam.....	445	464	482	4.0	13,269	13,780	14,201	39
Richland.....	223	236	233	-1.4	11,423	12,133	12,095	31	Richland.....	1,698	1,772	1,885	6.4	13,219	13,783</		

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Percent change ²		Dollars		Millions of dollars			Percent change ²		Dollars	Rank in State			
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1987–88	1986	1987	1988			
Canadian.....	945	960	998	3.9	12,904	13,143	13,539	16	Josephine.....	667	706	765	8.3	9,928	10,269	10,763	36
Carter.....	576	576	601	4.3	12,120	12,454	13,199	19	Klamath.....	637	675	722	6.9	11,165	11,859	12,547	32
Cherokee.....	298	312	334	7.1	8,471	8,803	9,302	66	Lake.....	92	97	108	11.5	12,359	12,741	14,312	12
Choctaw.....	140	143	150	4.7	8,530	8,592	9,056	71	Lane.....	3,224	3,484	3,774	8.3	12,209	13,085	13,973	16
Cimarron.....	71	73	78	6.7	17,722	17,470	19,153	2	Lincoln.....	468	487	526	8.1	12,707	12,989	13,703	18
Cleveland.....	2,060	2,107	2,237	6.2	12,659	12,912	13,687	15	Linn.....	968	1,031	1,118	8.4	10,826	11,500	12,272	34
Coal.....	49	51	54	7.6	8,104	8,408	9,152	68	Malheur.....	286	302	324	7.2	10,213	11,065	12,032	35
Comanche.....	1,267	1,327	1,362	2.7	10,520	11,060	11,420	46	Marion.....	2,630	2,823	3,076	9.0	12,219	12,995	13,894	17
Cotton.....	85	85	92	7.9	12,212	12,166	13,281	18	Morrow.....	112	119	111	-6.5	14,036	15,055	14,799	8
Craig.....	173	178	180	1.1	11,407	11,920	12,030	35	Multnomah.....	8,236	8,655	9,485	9.6	14,616	15,455	16,827	6
Creek.....	751	753	800	6.2	11,434	11,673	12,450	30	Polk.....	551	580	626	7.0	11,803	12,326	12,924	26
Custer.....	336	333	352	5.9	11,344	11,683	12,545	27	Sherman.....	42	41	46	12.9	19,874	20,263	23,111	1
Delaware.....	241	252	264	4.8	8,559	8,832	9,136	69	Tillamook.....	243	257	271	5.4	11,332	11,883	12,416	33
Dewey.....	84	77	82	6.6	12,619	13,791	14	Umatilla.....	709	724	763	5.4	11,679	11,975	12,727	31	
Ellis.....	78	74	67	-9.7	14,262	13,981	13,347	17	Union.....	276	285	302	5.9	11,690	12,283	12,884	28
Garfield.....	849	835	873	4.5	13,611	14,013	14,968	11	Wallowa.....	85	90	101	12.4	11,977	12,667	14,372	11
Garvin.....	341	342	351	2.7	11,409	11,806	12,363	33	Wasco.....	260	280	305	8.7	12,420	13,600	14,788	9
Grady.....	477	478	500	4.7	10,903	11,154	11,820	38	Washington.....	4,280	4,628	5,092	10.0	15,527	16,371	17,389	3
Grant.....	113	102	112	9.5	17,444	16,450	18,536	3	Wheeler.....	19	21	23	7.4	13,707	15,815	17,377	4
Greer.....	73	73	75	2.7	10,742	10,695	11,265	50	Yamhill.....	710	754	824	9.3	12,121	12,707	13,608	19
Harmon.....	49	50	51	9.1	11,530	11,951	12,395	32	Pennsylvania.....	169,697	181,319	194,659	7.4	14,265	15,182	16,219	.....
Harper.....	74	62	67	8.6	16,064	13,796	15,306	9	Metropolitan portion.....	148,381	158,708	170,532	7.5	14,736	15,682	16,765	.....
Haskell.....	107	107	113	5.2	8,961	9,025	9,604	62	Nonmetropolitan portion.....	21,316	22,612	24,127	6.7	11,668	12,410	13,183	.....
Hughes.....	126	126	134	6.9	8,545	8,558	9,272	67	Adams.....	969	1,051	1,139	8.4	13,527	14,394	15,326	16
Jackson.....	328	347	367	6.0	10,765	11,404	12,398	31	Allegheny.....	21,454	22,520	24,127	7.1	15,643	16,544	17,816	5
Jefferson.....	80	79	84	6.3	10,216	10,394	11,431	44	Armstrong.....	969	1,016	1,070	5.3	12,342	13,034	13,729	33
Johnston.....	86	87	92	5.4	7,903	7,951	8,421	74	Beaver.....	2,324	2,403	2,500	4.1	12,108	12,621	13,172	41
Kay.....	747	754	802	6.4	14,287	14,596	15,746	7	Bedford.....	485	523	546	4.3	10,174	10,992	11,375	65
Kingfisher.....	203	200	211	5.6	12,811	13,288	14,439	13	Berks.....	5,075	5,458	5,857	7.3	15,780	16,782	17,798	6
Kiowa.....	152	151	159	4.8	12,508	12,449	13,152	20	Blair.....	1,529	1,606	1,686	5.0	11,546	12,097	12,724	46
Latimer.....	84	86	95	10.6	7,934	7,997	8,690	73	Bradford.....	711	760	816	7.3	11,119	11,884	12,645	49
Le Flore.....	403	421	443	5.2	9,035	9,220	9,559	63	Bucks.....	8,808	9,727	10,524	8.2	16,901	18,257	19,360	4
Lincoln.....	293	295	312	5.8	9,784	10,063	10,614	55	Butler.....	1,938	2,079	2,235	7.5	12,784	13,682	14,570	20
Logan.....	329	326	348	6.6	10,769	10,937	11,718	43	Cambria.....	1,898	1,974	2,098	6.3	10,973	11,514	12,335	53
Love.....	87	88	92	4.8	10,853	10,831	11,356	48	Cameron.....	69	74	80	8.6	10,888	11,745	12,576	50
McClain.....	270	272	284	4.3	10,916	11,240	11,811	40	Carbon.....	664	712	760	6.8	12,165	12,886	13,537	37
McCurtain.....	299	313	332	6.1	8,253	8,593	9,089	70	Centre.....	1,357	1,489	1,613	8.3	11,948	12,985	13,945	32
McIntosh.....	148	151	161	7.0	8,463	8,638	9,340	64	Chester.....	6,337	7,107	7,792	9.6	18,215	19,886	21,259	2
Major.....	107	101	111	10.1	11,850	11,412	12,711	25	Clarion.....	470	490	516	5.5	11,136	11,713	12,353	52
Marshall.....	119	122	129	6.5	9,977	10,391	10,992	51	Clearfield.....	923	960	1,015	5.7	11,215	11,740	12,422	51
Mayes.....	341	344	365	6.2	9,703	9,860	10,481	56	Clinton.....	396	418	450	7.7	10,420	11,062	11,838	60
Murray.....	124	124	130	4.4	9,583	9,811	10,368	57	Columbia.....	708	755	803	6.4	11,634	12,412	13,181	40
Muskogee.....	769	786	813	3.3	10,992	11,292	11,737	42	Crawford.....	966	1,026	1,091	6.4	11,097	11,895	12,692	47
Noble.....	137	131	147	12.1	11,568	11,261	12,849	22	Cumberland.....	2,775	3,007	3,265	8.6	14,621	15,626	16,720	10
Nowata.....	111	112	116	3.1	10,153	10,574	10,980	52	Dauphin.....	3,360	3,575	3,846	7.6	14,099	14,966	15,976	14
Oklfuskee.....	102	100	106	5.4	8,736	8,743	9,338	65	Delaware.....	9,897	10,584	11,364	7.4	17,870	19,058	20,407	3
Oklahoma.....	8,923	9,033	9,491	5.1	14,173	14,638	15,467	8	Elk.....	470	494	526	6.3	12,565	13,401	14,317	24
Okmulgee.....	387	382	399	4.5	9,704	9,638	10,271	59	Erie.....	3,497	3,673	3,934	7.1	12,552	13,238	14,201	27
Osage.....	420	428	446	4.1	10,662	10,676	11,284	49	Fayette.....	1,667	1,725	1,823	5.7	10,822	11,318	11,974	58
Ottawa.....	322	322	331	2.8	9,560	9,812	10,100	60	Forest.....	51	52	56	6.9	10,650	11,029	11,723	62
Pawnee.....	189	185	194	4.8	11,153	10,964	11,739	41	Franklin.....	1,474	1,590	1,704	7.2	12,466	13,392	14,168	29
Payne.....	673	691	727	5.1	10,707	10,809	11,430	45	Greene.....	416	431	444	3.1	10,300	10,800	11,185	66
Pittsburg.....	424	431	445	3.4	9,701	9,967	10,355	58	Huntingdon.....	419	444	476	7.3	9,753	10,350	11,039	67
Pontotoc.....	385	391	412	5.3	11,060	11,216	11,905	36	Indiana.....	1,003	1,050	1,113	6.0	10,851	11,400	12,091	56
Pottawatomie.....	694	692	724	4.7	11,304	11,520	12,237	34	Jefferson.....	563	581	614	5.6	11,672	12,080	12,868	44
Pushmataha.....	88	90	95	5.3	7,192	7,592	7,937	76	Juniata.....	234	256	272	6.3	11,768	12,728	13,395	38
Roger Mills.....	61	63	68	6.7	10,913	11,857	13,146	21	Lackawanna.....	2,899	3,059	3,281	7.3	12,976	13,757	14,759	18
Rogers.....	654	658	698	6.1	11,719												

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income						Area name	Total personal income						Per capita personal income ³			
	Millions of dollars			Percent change ²	Per capita personal income ³			Millions of dollars			Percent change ²	Per capita personal income ³					
	1986	1987	1988		1986	1987		1986	1987	1988		1986	1987	1988			
	1986	1987	1988	1987–88	1986	1987	1988	1986	1987	1988	1987–88	1986	1987	1988			
Wayne.....	475	511	555	8.6	12,292	12,931	13,711	34									
Westmoreland.....	4,986	5,240	5,565	6.2	13,096	13,842	14,695	19	Fall River.....	88	95	98	3.7	11,187	12,264	12,915	22
Wyoming.....	334	361	387	7.0	12,136	12,941	13,634	36	Faulk.....	38	39	36	-7.2	12,377	12,851	12,269	36
York.....	5,018	5,425	5,892	8.6	15,402	16,424	17,532	8	Grant.....	102	106	105	-1.2	11,108	11,760	11,601	43
Rhode Island.....	14,438	15,438	16,734	8.4	14,627	15,652	16,857		Gregory.....	60	63	64	1.7	10,446	11,098	11,356	45
Metropolitan portion.....	12,870	13,943	15,135	8.5	14,450	15,458	16,668		Haakon.....	38	36	37	2.1	13,730	13,135	13,688	9
Nonmetropolitan portion	1,385	1,495	1,599	7.0	16,505	17,727	18,890		Hamlin.....	50	56	55	-1.3	9,623	10,749	10,663	51
Bristol.....	777	849	920	8.3	16,375	17,853	19,161	1	Hand.....	63	62	59	-5.1	13,617	13,307	12,857	23
Kent.....	2,438	2,635	2,885	9.5	15,509	16,497	17,915	3	Hanson.....	28	34	32	-6.0	8,474	10,303	9,691	57
Newport.....	1,385	1,495	1,599	7.0	16,505	17,727	18,890	2									
Providence.....	8,094	8,745	9,471	8.3	13,806	14,756	15,915	5									
Washington.....	1,562	1,714	1,860	8.5	15,648	16,797	17,897	4									
South Carolina.....	38,339	41,363	44,810	8.3	11,342	12,079	12,917										
Metropolitan portion.....	24,680	26,658	28,958	8.6	12,121	12,907	13,797										
Nonmetropolitan portion	13,658	14,705	15,852	7.8	10,163	10,820	11,569										
Abbeville.....	219	233	251	7.7	9,717	10,270	11,032	28									
Aiken.....	1,464	1,549	1,672	7.9	12,374	12,912	13,682	8									
Allendale.....	94	98	107	8.6	8,907	9,287	10,077	38									
Anderson.....	1,542	1,665	1,797	7.9	11,011	11,779	12,559	17									
Bamberg.....	144	150	160	6.6	7,925	8,370	9,078	42									
Barnwell.....	223	225	250	10.8	10,625	10,742	11,879	20									
Beaufort.....	1,135	1,226	1,308	6.7	13,931	14,682	15,376	2									
Berkeley.....	1,205	1,300	1,411	8.6	10,091	10,488	11,106	26									
Cahou.....	118	130	138	6.7	9,713	10,835	11,485	23									
Charleston.....	3,481	3,724	4,005	7.5	11,733	12,421	13,252	11									
Cherokee.....	486	536	576	7.5	11,798	12,833	13,745	7									
Chester.....	296	313	333	6.5	9,583	10,073	10,676	32									
Chesterfield.....	380	407	435	6.8	9,800	10,472	11,168	25									
Clarendon.....	221	242	260	7.4	7,847	8,534	9,090	41									
Colleton.....	299	322	352	9.4	7,712	9,316	10,083	37									
Darlington.....	606	652	701	7.6	9,355	10,050	10,786	30									
Dillon.....	254	279	296	6.1	7,846	8,516	8,989	44									
Dorchester.....	828	904	990	9.5	11,035	11,485	12,150	18									
Edgefield.....	164	177	193	9.2	9,049	9,538	10,296	36									
Fairfield.....	212	231	254	9.9	9,880	10,717	11,530	21									
Florence.....	1,231	1,317	1,426	8.3	10,572	11,256	12,094	19									
Georgetown.....	471	513	551	7.4	9,988	10,635	11,199	24									
Greenville.....	4,083	4,435	4,855	9.5	13,335	14,332	15,411	1									
Greenwood.....	682	729	784	7.5	11,693	12,467	13,365	10									
Hampton.....	175	190	206	8.2	9,213	9,964	10,748	31									
Horry.....	1,498	1,636	1,779	8.8	11,454	12,120	12,927	13									
Jasper.....	136	144	153	6.2	9,041	9,532	10,056	39									
Kershaw.....	485	520	572	9.9	11,364	11,916	12,756	15									
Lancaster.....	567	608	650	6.9	10,210	10,859	11,508	22									
Laurens.....	589	631	686	8.8	11,087	11,794	12,765	14									
Lee.....	136	146	157	7.4	7,280	7,813	8,436	46									
Lexington.....	2,165	2,334	2,551	9.3	13,366	13,988	14,953	3									
McCormick.....	75	77	81	5.1	10,406	10,554	11,071	27									
Marion.....	297	319	345	8.2	8,495	9,099	9,831	40									
Marlboro.....	241	263	277	5.4	7,621	8,314	8,766	45									
Newberry.....	368	383	409	6.9	11,501	11,847	12,607	16									
Oconee.....	632	685	756	10.2	11,905	12,654	13,638	9									
Orangeburg.....	815	883	944	6.9	9,319	9,983	10,628	35									
Pickens.....	988	1,075	1,170	8.9	11,279	12,065	12,937	12									
Richland.....	3,571	3,855	4,180	8.4	12,674	13,673	14,621	4									
Saluda.....	156	168	180	7.4	9,397	10,110	10,955	29									
Spartanburg.....	2,576	2,798	3,050	9.0	12,166	13,128	14,129	6									
Sumter.....	897	963	1,032	7.3	9,360	9,946	10,643	34									
Union.....	289	306	325	6.2	9,516	10,058	10,676	32									
Williamsburg.....	297	319	348	9.2	7,732	8,264	9,055	43									
York.....	1,546	1,702	1,850	8.7	12,777	13,718	14,567	5									
South Dakota.....	8,321	8,800	9,094	3.3	11,760	12,404	12,754										
Metropolitan portion.....	2,649	2,824	2,999	6.2	13,260	13,857	14,452										
Nonmetropolitan portion	5,672	5,976	6,095	2.0	11,170	11,819	12,057										
Aurora.....	33	38	35	-8.9	9,828	11,408	10,399	54									
Beadle.....	231	244	249	1.9	12,623	13,274	13,584	10									
Bennett.....	35	33	35	5.3	10,567	9,828	10,377	55									
Bon Homme.....	81	88	90	1.6	11,067	13,047	13,239	17									
Brookings.....	259	284	297	4.5	10,585	11,792	12,293	34									
Brown.....	464	489	508	5.0	12,611	13,286	13,821	6									
Brule.....	60	65	64	-9	11,188	12,158	12,268	37									
Buffalo.....	12	13	12	-6.0	7,283	7,168	6,461	65									
Butte.....	88	90	93	2.5	10,835	10,988	11,270	46									
Campbell.....	28	26	30	16.6	12,707	11,775	13,875	5									
Charles Mix.....	96	104	102	-1.7	10,289	11,171	10,994	48									
Clark.....	62	66	66	-1	12,867	13,671	13,877	4									
Clay.....	137	147															

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Dollars		Rank in State		Millions of dollars			Dollars		Rank in State				
	1986	1987	1988	1986	1987			1986	1987	1988	1986	1987					
Hickman.....	161	175	186	6.0	9,912	10,688	11,137	50	Callahan.....	138	139	146	5.1	10,666	10,677	11,409	207
Houston.....	67	73	77	5.2	9,542	10,257	10,713	63	Cameron.....	1,852	1,941	2,077	7.0	7,166	7,452	7,868	243
Humphreys.....	163	173	186	7.8	10,164	10,808	11,533	41	Camp.....	139	142	146	3.0	13,888	14,154	14,665	70
Jackson.....	73	80	86	7.7	7,819	8,496	9,162	84	Carson.....	102	101	105	3.7	14,493	14,489	15,425	55
Jefferson.....	312	345	372	7.9	9,410	10,391	11,141	49	Cass.....	337	346	363	4.9	11,088	11,458	12,050	182
Johnson.....	105	111	120	7.5	7,433	7,907	8,586	91	Castro.....	107	131	134	2.8	10,566	12,983	13,259	127
Knox.....	4,347	4,737	5,150	8.7	13,303	14,402	15,560	5	Chambers.....	237	229	232	1.4	12,285	12,233	12,770	148
Lake.....	58	61	70	15.7	7,466	7,943	9,383	80	Cherokee.....	458	465	485	4.3	11,459	11,599	12,097	179
Lauderdale.....	223	247	272	10.2	8,883	9,850	10,842	58	Childress.....	71	78	78	-6	11,269	12,296	12,502	162
Lawrence.....	352	385	412	7.0	10,060	10,986	11,697	36	Clay.....	127	128	138	7.8	13,059	13,452	14,728	69
Lewis.....	73	78	85	8.7	7,033	7,443	8,006	93	Cochran.....	47	67	66	-2.1	10,556	15,082	15,051	64
Lincoln.....	289	315	345	9.5	10,655	11,548	12,499	27	Coke.....	45	45	48	5.5	13,347	13,476	14,406	76
Loudon.....	316	344	372	8.2	10,338	11,146	11,941	32	Coleman.....	119	122	132	8.3	11,763	12,402	13,620	108
McMinn.....	443	467	496	6.0	10,230	10,707	11,370	43	Collin.....	4,033	4,372	4,796	9.7	19,430	20,077	21,253	6
McNairy.....	214	234	243	3.8	9,071	9,819	10,148	70	Collingsworth.....	42	47	46	-6	10,858	12,475	12,594	158
Macon.....	145	159	169	6.0	9,059	9,919	10,450	65	Colorado.....	249	249	264	5.9	12,589	12,993	14,025	89
Madison.....	880	949	1,025	7.9	11,279	12,171	13,097	17	Comal.....	747	765	808	5.6	15,387	15,016	15,867	44
Marion.....	235	240	260	8.1	9,312	9,450	10,158	69	Comanche.....	152	154	160	3.7	11,938	12,238	12,874	146
Marshall.....	236	255	277	8.4	11,379	12,033	12,999	18	Concho.....	36	40	43	6.8	13,158	15,478	16,771	25
Maury.....	611	651	708	8.7	11,283	11,838	12,811	23	Cooke.....	360	368	385	4.4	12,350	12,291	12,733	150
Meigs.....	72	78	84	8.1	9,010	9,500	9,971	72	Coryell.....	606	637	689	8.2	10,494	10,639	11,264	210
Monroe.....	266	286	315	9.9	8,655	9,240	10,107	71	Cottle.....	31	35	37	5.8	12,687	14,665	16,263	36
Montgomery.....	980	1,079	1,164	7.9	10,561	11,447	11,999	31	Crane.....	59	56	59	6.4	11,962	12,313	13,316	125
Moore.....	44	49	51	5.5	9,142	10,059	10,387	66	Crockett.....	56	56	57	.9	12,270	12,844	13,354	122
Morgan.....	132	142	155	8.7	7,617	8,057	8,724	89	Crosby.....	88	100	99	-1.0	10,926	12,705	12,627	155
Obion.....	368	390	441	13.0	11,146	11,799	13,468	13	Culberson.....	32	34	34	.9	9,968	10,496	10,836	221
Overton.....	132	145	154	6.6	7,475	8,096	8,612	90	Dallam.....	88	93	96	3.9	13,964	15,926	17,044	20
Perry.....	62	65	71	9.9	9,639	10,062	10,879	57	Dallas.....	32,034	33,084	34,585	4.5	17,445	17,831	18,647	14
Pickett.....	30	32	34	6.7	6,514	6,994	7,539	95	Dawson.....	178	197	202	2.4	10,871	12,807	13,480	116
Polk.....	132	139	138	-3	9,534	9,984	9,943	73	Deaf Smith.....	237	259	287	10.6	11,788	13,074	14,459	74
Putnam.....	547	605	670	10.7	10,712	11,727	12,827	22	Delta.....	53	57	61	6.5	11,167	12,051	12,724	151
Rhea.....	263	281	296	5.4	10,522	11,210	11,710	35	Denton.....	3,683	3,931	4,196	6.8	17,337	17,640	18,334	15
Roane.....	557	591	640	8.4	11,230	11,936	12,906	19	De Witt.....	235	232	241	3.9	12,134	12,344	13,012	138
Robertson.....	421	466	505	8.3	10,387	11,116	11,799	34	Dickens.....	28	37	37	-1.1	9,767	13,044	12,989	140
Rutherford.....	1,292	1,453	1,579	8.7	12,591	13,533	14,142	8	Dimmit.....	68	70	71	1.7	5,878	6,206	6,357	252
Scott.....	159	167	184	10.3	7,643	8,027	8,945	87	Donley.....	54	60	61	.7	13,488	15,617	15,760	46
Sequatchie.....	74	80	86	7.4	8,332	8,943	9,533	78	Duval.....	126	120	126	5.1	9,339	9,071	9,712	237
Sevier.....	488	539	589	9.4	10,307	11,066	11,839	33	Eastland.....	205	205	215	4.9	10,155	10,399	11,148	212
Shelby.....	11,276	12,276	13,247	7.9	14,019	15,112	16,159	3	Ector.....	1,560	1,529	1,579	3.3	11,658	12,132	12,663	154
Smith.....	158	172	183	6.7	10,729	11,551	12,382	28	Edwards.....	23	27	25	-6.2	11,361	13,439	12,503	161
Stewart.....	89	96	101	5.6	9,558	10,229	10,723	62	Ellis.....	1,083	1,139	1,192	4.7	13,992	14,048	14,432	75
Sullivan.....	1,737	1,834	1,960	6.9	11,860	12,449	13,291	14	El Paso.....	5,148	5,475	5,864	7.1	9,192	9,541	10,008	235
Sumner.....	1,263	1,387	1,494	7.7	13,046	13,862	14,593	7	Erath.....	321	342	359	4.7	12,949	13,356	13,919	92
Tipton.....	361	409	446	9.0	9,990	10,995	11,685	38	Falls.....	179	185	193	4.5	10,117	10,672	11,388	208
Trousdale.....	58	66	69	5.9	9,794	10,730	11,268	46	Fannin.....	285	299	316	5.8	11,679	12,197	13,029	134
Unicoi.....	165	174	185	6.4	9,795	10,423	11,053	54	Fayette.....	296	304	305	.5	14,357	15,123	15,423	56
Union.....	95	104	113	8.4	7,766	8,410	8,930	88	Fisher.....	59	68	66	-2.7	10,945	12,395	12,255	173
Van Buren.....	39	43	45	3.2	8,064	9,063	9,411	79	Floyd.....	90	113	116	2.8	10,504	13,016	13,523	112
Warren.....	326	358	390	9.1	9,697	10,486	11,418	42	Foard.....	26	28	30	7.0	13,968	15,571	17,173	19
Washington.....	1,093	1,170	1,260	7.7	11,969	12,799	13,732	10	Fort Bend.....	2,852	3,000	3,309	10.3	14,759	15,393	16,148	40
Wayne.....	124	133	140	5.0	8,711	9,371	9,890	74	Franklin.....	92	93	97	4.5	12,019	12,223	12,961	143
Weakley.....	325	352	393	11.6	9,908	10,804	12,062	30	Freestone.....	184	189	194	2.7	10,714	11,269	11,702	196
White.....	203	224	239	7.1	10,020	11,010	11,687	37	Frio.....	97	99	105	6.6	6,836	6,904	7,480	246
Williamson.....	1,329	1,500	1,631	8.7	18,436	19,961	20,967	1	Gaines.....	134	153	157	2.7	9,288	11,127	11,479	203
Wilson.....	843	931	1,006	8.1	13,205	13,988	14,677	6	Galveston.....	2,995	3,064	3,270	6.7	14,126	14,644	15,572	52
Texas.....	224,977	232,255	245,647	5.8	13,489	13,843	14,590	.....	Garza.....	54	57	56	-7	10,038	10,862	11,316	209
Metropolitan portion.....	188,344	194,330	205,992	6.0	13,966	14,283	15,053	.....	Gillespie.....	247	252	262	3.9	15,616	15,635	16,235	38
Nonmetropolitan portion.....	36,632	37,924	39,655	4.6	11,476	11,955	12,577	.....	Glasscock.....	18	25	25	-5.0	15,502	20,849	20,603	7
Anderson.....	479	504	532	5.7	10,12												

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1986-88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Percent change ²	Dollars			Millions of dollars			Percent change ²	Dollars		Rank in State			
	1986	1987	1988		1986	1987		1986	1987	1988		1986	1987				
Irion.....	27	28	28	1.3	14,078	14,417	14,976	65	Schleicher.....	35	34	35	1.7	11,112	12,027	12,621	156
Jack.....	89	85	88	3.7	11,915	11,528	12,364	167	Scurry.....	246	239	244	2.2	12,694	12,986	13,736	99
Jackson.....	163	171	183	7.4	12,144	13,155	14,477	73	Shackelford.....	51	51	54	5.8	13,017	13,986	15,677	48
Jasper.....	352	356	383	7.7	11,111	11,261	12,223	175	Shelby.....	247	251	263	4.8	10,461	10,482	10,990	218
Jeff Davis.....	20	21	22	4.9	11,058	11,692	11,994	187	Sherman.....	77	82	84	1.9	24,827	27,300	28,264	2
Jefferson.....	3,348	3,412	3,611	5.8	13,588	14,044	15,056	63	Smith.....	2,123	2,231	2,312	3.6	13,987	14,586	15,154	61
Jim Hogg.....	53	52	55	4.8	9,669	9,865	10,439	228	Somervell.....	56	64	73	14.4	11,849	12,790	13,737	98
Jim Wells.....	361	360	377	4.5	8,961	9,205	9,799	236	Starr.....	153	156	169	8.8	4,104	4,033	4,313	254
Johnson.....	1,218	1,283	1,342	4.6	13,194	13,316	13,763	97	Stephens.....	119	113	117	4.3	11,153	10,931	12,017	184
Jones.....	207	220	220	-2	11,689	12,644	12,974	142	Sterling.....	17	17	18	7.5	10,226	11,179	12,241	174
Karnes.....	130	131	136	3.6	9,800	10,023	10,695	224	Stonewall.....	28	31	33	8.0	12,288	13,850	15,359	59
Kaufman.....	688	721	756	4.8	13,223	13,243	13,546	110	Sutton.....	53	52	53	2.1	10,604	11,887	12,340	159
Kendall.....	250	264	277	5.1	17,288	17,500	17,903	16	Swisher.....	122	144	153	6.1	13,731	16,569	17,701	17
Kenedy.....	9	9	10	5.4	14,457	16,750	18,698	11	Tarrant.....	17,251	18,077	19,107	5.7	15,945	16,209	16,930	22
Kent.....	13	14	15	1.8	11,431	12,796	13,412	119	Taylor.....	1,625	1,660	1,735	4.5	13,055	13,433	14,243	83
Kerr.....	545	552	575	4.1	15,287	15,485	16,174	39	Terrell.....	23	24	24	-1.2	15,637	16,305	16,657	27
Kimble.....	55	57	60	3.8	12,863	13,542	14,308	80	Terry.....	153	189	186	-1.8	10,110	13,014	12,739	149
King.....	4	6	6	1.7	8,268	15,902	16,463	32	Throckmorton.....	31	31	33	7.4	14,185	14,971	16,442	34
Kinney.....	28	29	30	3.4	11,150	11,541	11,671	198	Titus.....	277	296	313	5.8	11,981	12,924	13,706	102
Kleberg.....	348	354	375	5.9	10,509	10,931	11,829	191	Tom Green.....	1,277	1,326	1,387	4.6	13,063	13,492	13,969	90
Knox.....	57	61	63	2.8	10,497	11,704	12,329	170	Travis.....	8,330	8,558	8,976	4.9	15,131	15,381	16,133	42
Lamar.....	537	561	586	4.4	11,915	12,402	13,025	135	Trinity.....	114	116	122	5.3	9,451	9,522	10,035	234
Lamb.....	229	255	259	1.2	14,044	16,283	16,546	29	Tyler.....	209	210	220	4.5	11,429	11,595	12,167	176
Lampasas.....	154	157	168	6.9	11,039	11,009	11,816	192	Upshur.....	346	349	365	4.4	10,660	10,886	11,434	205
La Salle.....	39	41	43	5.9	7,140	7,832	8,500	242	Upton.....	59	58	59	1.8	10,881	11,443	11,447	204
Lavaca.....	244	248	262	5.5	12,686	13,349	14,243	83	Uvalde.....	230	251	263	4.7	9,415	10,366	10,789	223
Lee.....	170	169	174	3.2	12,176	12,431	13,017	136	Val Verde.....	328	343	357	4.0	8,196	8,513	8,875	241
Leon.....	159	159	168	5.5	12,595	12,980	13,799	95	Van Zandt.....	461	468	486	3.8	11,970	11,985	12,296	171
Liberty.....	605	604	636	5.4	11,063	11,317	12,031	183	Victoria.....	1,024	1,041	1,088	4.5	13,476	13,925	14,653	71
Limestone.....	237	235	243	3.3	10,582	10,580	11,005	217	Walker.....	530	566	590	4.3	10,049	10,539	10,946	220
Lipscomb.....	55	55	54	-5.4	14,892	16,224	16,664	26	Waller.....	252	262	281	7.2	10,751	11,176	11,972	189
Live Oak.....	109	111	119	7.5	11,490	11,941	13,205	129	Ward.....	169	165	171	4.0	11,167	11,627	12,409	165
Llano.....	189	189	195	3.3	15,476	15,141	15,667	49	Washington.....	401	404	427	5.9	15,519	15,471	16,487	30
Loving.....	2	2	3	14.2	28,440	30,387	36,153	1	Webb.....	827	876	961	9.7	6,729	6,963	7,452	247
Lubbock.....	2,754	2,892	3,046	5.3	12,152	12,717	13,432	117	Wharton.....	502	510	544	6.8	12,310	12,793	13,717	100
Lynn.....	79	111	108	-3.1	10,872	15,721	15,487	53	Wheeler.....	92	94	98	4.7	13,637	14,423	15,606	51
McCulloch.....	101	114	124	9.2	11,446	12,899	13,572	109	Wichita.....	1,730	1,772	1,860	5.0	13,646	14,055	14,930	67
McLennan.....	2,339	2,406	2,522	4.8	12,467	12,754	13,411	120	Wilbarger.....	200	204	209	2.6	11,973	12,646	13,369	121
McMullen.....	15	15	18	14.6	16,766	17,036	18,663	13	Willacy.....	116	134	140	4.5	6,099	7,040	7,371	248
Madison.....	126	128	134	4.8	10,708	10,932	11,616	200	Williamson.....	1,608	1,666	1,757	5.5	13,506	13,239	13,709	101
Marion.....	93	95	100	5.2	9,596	9,952	10,450	227	Wilson.....	212	229	241	5.5	10,963	11,419	11,788	193
Martin.....	63	78	82	5.3	12,062	15,417	16,248	37	Winkler.....	97	91	96	5.0	9,686	10,179	11,012	216
Mason.....	42	44	45	2.4	12,024	12,811	13,481	115	Wise.....	406	410	423	3.1	11,840	11,679	12,096	180
Matagorda.....	635	609	600	-1.5	15,473	15,175	15,384	57	Wood.....	352	362	372	3.0	12,565	12,765	13,068	132
Maverick.....	188	204	220	8.1	9,495	5,237	5,568	253	Yoakum.....	114	132	134	1.0	11,626	14,079	14,267	82
Medina.....	286	302	316	4.7	10,955	11,301	11,690	197	Young.....	281	284	296	4.4	14,432	15,201	16,311	35
Menard.....	32	32	32	.9	13,895	13,426	13,656	105	Zapata.....	59	61	65	6.0	7,065	7,122	7,370	249
Midland.....	1,746	1,697	1,818	7.2	15,785	15,860	16,947	21	Zavala.....	66	72	78	8.5	5,493	5,920	6,511	251
Milam.....	277	282	295	4.5	11,731	12,263	13,120	131	Utah.....	18,391	19,351	20,598	6.4	11,052	11,521	12,189	.....
Mills.....	59	61	63	2.5	12,988	13,951	14,268	81	Metropolitan portion.....	14,571	15,362	16,366	6.5	11,372	11,839	12,515	.....
Mitchell.....	99	105	109	3.2	10,912	12,176	12,604	157	Nonmetropolitan portion.....	3,821	3,989	4,232	6.1	9,981	10,441	11,074	.....
Montague.....	209	207	214	3.2	11,445	11,526	12,098	178	Beaver.....	45	45	50	10.7	8,923	9,262	10,556	17
Montgomery.....	2,285	2,343	2,518	7.5	12,997	13,300	14,070	88	Box Elder.....	438	473	504	6.5	11,695	12,467	13,130	4
Moore.....	265	267	279	4.5	15,182	15,666	16,568	28	Cache.....	633	683	729	6.8	9,688	10,346	10,922	14
Morris.....	160	161	174	7.7	11,093	11,491	12,351	168	Carbon.....	265	266	275	3.4	11,710	11,975	12,757	6
Motley.....	17	24	24	1.1	10,223	13,015	13,253	128	Daggett.....	8	8	10	12.1	10,805	11,101	12,793	5
Nacogdoches.....	557	594	626	5.4	10,945	11,505	12,157	177	Davis.....	1,923	2,021	2,138	5.8	10,965	11,153	11,568	11
Navarro.....	470	488	506	3.6	11,901	12,300	12,818	147	Duchesne.....</								

Table 2.—Total Personal Income and Per Capita Personal Income by County,
1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Percent change ²		Dollars		Millions of dollars			Percent change ²		Dollars	Rank in State			
	1986	1987	1988	1987–88	1986	1987	1988	1988	1986	1987	1988	1988	1988	1988			
Caledonia.....	295	319	348	8.9	11,033	11,793	12,612	12	Westmoreland.....	197	215	236	9.8	13,342	14,295	15,530	32
Chittenden.....	1,865	2,042	2,264	10.9	15,068	16,291	17,526	1	Wythe.....	281	302	317	5.0	10,961	11,699	12,233	83
Essex.....	60	65	70	7.7	9,215	9,850	10,209	14	Independent Cities:								
Franklin.....	424	460	496	7.8	11,308	12,133	12,894	11	Alexandria.....	2,688	2,897	3,112	7.4	24,647	26,790	28,699	2
Grand Isle.....	68	74	79	7.1	12,575	13,241	14,555	7	Chesapeake.....	1,880	2,077	2,225	7.2	13,856	14,612	15,055	37
Lamoille.....	221	246	271	10.4	12,204	13,225	14,323	9	Hampton.....	1,604	1,704	1,810	6.2	12,672	13,204	13,836	54
Orange.....	296	329	362	9.9	12,103	13,128	14,384	8	Newport News.....	2,107	2,245	2,379	6.0	13,414	14,243	14,861	41
Orleans.....	243	261	282	7.9	10,091	10,760	11,572	13	Norfolk.....	3,536	3,729	3,928	5.3	12,740	13,023	13,709	56
Rutland.....	809	877	951	8.4	13,472	14,426	15,379	5	Portsmouth.....	1,302	1,367	1,443	5.5	12,208	12,798	13,415	62
Washington.....	700	767	836	9.0	13,079	14,211	15,119	6	Richmond.....	3,623	3,877	4,071	5.0	16,779	18,093	19,087	12
Windham.....	564	621	671	8.1	14,256	15,491	16,420	3	Roanoke.....	1,413	1,503	1,562	4.0	14,243	15,245	15,993	28
WindSOR.....	726	794	869	9.4	13,615	14,706	15,759	4	Suffolk.....	686	735	776	5.5	13,599	14,274	14,854	42
Virginia.....	89,589	97,868	106,260	8.6	15,452	16,549	17,665		Virginia Beach.....	5,202	5,731	6,152	7.4	15,466	16,296	16,844	18
Metropolitan portion.....	69,726	76,461	83,110	8.7	16,780	17,972	19,142		Combination Areas:								
Nonmetropolitan portion.....	19,863	21,407	23,149	8.1	12,093	12,902	13,835		Albemarle + Charlottesville.....	1,541	1,696	1,859	9.6	15,395	16,704	18,102	14
Accomack.....	355	382	411	7.8	11,433	12,173	13,066	70	Alleghany, Clifton Frg. + Covington.....	296	308	334	8.4	11,260	11,935	13,085	68
Amelia.....	102	108	114	5.5	12,118	12,903	13,441	61	Augusta, Staunton + Waynesboro.....	1,169	1,270	1,385	9.1	12,803	13,716	14,814	43
Amherst.....	286	305	327	7.1	9,846	10,502	11,210	95	Bedford + Bedford City.....	618	676	733	8.4	13,690	14,587	15,460	34
Appomattox.....	138	148	158	7.1	11,250	11,872	12,639	77	Campbell + Lynchburg.....	1,432	1,545	1,668	8.0	12,326	13,310	14,343	50
Arlington.....	4,006	4,323	4,659	7.8	25,770	28,055	30,248	1	Carroll + Galax.....	329	351	376	7.2	9,465	10,162	10,858	99
Bath.....	75	75	79	5.2	14,551	14,676	15,487	33	Dinwiddie, Col. Hts. + Petersburg.....	944	993	1,087	9.4	11,624	12,126	13,261	67
Bland.....	63	69	72	5.2	9,682	10,575	11,125	96	Fairfax, Fairfax City + Falls Church.....	17,237	19,179	21,184	10.5	22,795	24,522	26,441	3
Botetourt.....	325	353	380	7.7	13,304	14,194	14,995	39	Frederick + Winchester.....	775	864	961	11.2	13,411	14,494	15,579	31
Brunswick.....	160	172	181	5.7	10,090	10,765	11,369	94	Greensville + Emporia.....	171	180	191	6.3	11,226	11,812	12,610	78
Buchanan.....	372	361	379	4.7	10,190	10,073	10,787	100	Halifax + South Boston.....	396	421	459	9.2	10,885	11,591	12,706	75
Buckingham.....	127	136	148	8.6	10,098	10,768	11,604	92	Henry + Martinsville.....	941	999	1,052	5.3	12,327	12,848	13,527	58
Caroline.....	237	257	277	7.8	12,568	13,490	14,285	51	James City + Williamsburg.....	560	618	684	10.7	13,938	14,268	15,043	38
Charles City.....	81	91	98	8.0	12,046	13,660	14,572	48	Montgomery + Radford.....	890	967	1,051	8.7	11,481	12,438	13,403	63
Charlotte.....	124	131	141	7.3	10,410	10,967	11,725	91	Pittsylvania + Danville.....	1,281	1,369	1,474	7.7	11,751	12,658	13,643	57
Chesterfield.....	2,869	3,213	3,539	10.2	12,039	13,194	14,281	10	Prince George + Hopewell.....	508	544	606	10.215	11,017	11,791	90	
Clarke.....	194	221	247	11.5	18,221	20,294	22,287	6	Pr. William, Manassas + Manassas Park.....	3,423	3,911	4,395	12.4	16,590	18,086	19,219	11
Craig.....	46	49	53	7.5	11,223	11,715	12,459	80	Roanoke + Salem.....	1,523	1,632	1,750	7.3	15,651	16,652	17,765	16
Culpeper.....	338	380	414	8.9	13,853	15,108	15,964	29	Rockbridge, Buena Vista + Lexington.....	345	367	401	9.1	11,173	11,913	12,942	71
Cumberland.....	78	83	92	11.0	9,843	10,365	11,500	93	Rockingham + Harrisonburg.....	998	1,082	1,197	10.5	12,633	13,538	14,722	46
Dickenson.....	206	205	208	1.4	10,607	10,761	11,102	97	Southampton + Franklin.....	266	281	307	9.3	10,355	11,045	12,011	87
Essex.....	112	123	131	6.7	12,749	13,858	14,806	44	Spotsylvania + Fredricksburg.....	832	939	1,060	12.9	14,466	15,453	16,543	20
Fauquier.....	813	930	1,034	11.2	19,245	21,000	22,441	5	Washington + Bristol.....	746	791	861	8.9	11,548	12,189	13,334	66
Floyd.....	136	146	158	8.3	11,740	12,459	13,393	64	Wise + Norton.....	552	564	606	7.5	11,358	11,720	12,778	73
Fluvanna.....	127	138	151	9.1	11,233	11,866	12,493	79	York + Poquoson.....	799	879	956	8.8	15,820	16,655	17,528	17
Franklin.....	429	464	495	6.7	10,823	11,551	12,147	84	Washington.....	66,280	71,006	76,542	7.8	14,858	15,634	16,468	
Giles.....	192	202	213	5.5	11,062	11,651	12,325	81	Metropolitan portion.....	55,436	59,663	64,500	8.1	15,307	16,142	17,012	
Gloucester.....	357	387	422	8.8	13,005	13,446	14,052	52	Nonmetropolitan portion.....	10,844	11,343	12,042	6.2	12,919	13,414	14,062	
Goochland.....	227	260	286	9.7	17,341	19,155	20,537	8									
Grayson.....	156	166	179	7.4	9,504	10,156	10,923	98									
Greene.....	96	104	115	9.9	11,052	11,808	12,712	74									
Hanover.....	950	1,068	1,170	9.6	17,208	18,495	19,413	9									
Henrico.....	3,608	4,032	4,462	10.7	18,161	19,823	21,378	7									
Highland.....	25	28	29	3.4	10,338	11,937	12,271	82									
Isle of Wight.....	343	371	399	7.7	13,852	14,659	15,307	35									
King and Queen.....	74	77	90	16.1	12,253	12,708	14,773	45									
King George.....	173	187	203	8.7	14,581	15,352	16,418	24									
King William.....	142	155	169	9.1	14,284	15,360	16,286	26									
Lancaster.....	168	190	204	7.2	15,710	17,570	18,753	13									
Lee.....	229	239	249	4.2	8,955	9,367	9,854	104									
Loudoun.....	1,416	1,621	1,812	11.8	20,247	21,852	23,410	4									
Louisa.....	228	249	266	6.6	11,779	12,666	13,337	65									
Lunenburg.....	113	119	128	7.6	9,338	9,879	10,653	102									
Madison.....	126	139	151	8.2	11,764	12,904	13,774	55									
Mathews.....	121	128	138	7.5	14,471	15,079	16,155	27									
Mecklenburg.....	325	353	377	6.8	14,971	18,820	12,699	76									
Middlesex.....	124	131	140	7.6	14,857	15,518	16,422	23									
Nelson.....	147	158	164	3.4	11,792	12,697	13,082	69									
New Kent.....	153	172	190	10.2	14,698	15,803	16,589	19			</						

Table 2.—Total Personal Income and Per Capita Personal Income by County,
1986–88—Continued

Area name	Total personal income			Per capita personal income ³			Area name	Total personal income			Per capita personal income ³						
	Millions of dollars			Percent change ²	Dollars			Millions of dollars			Percent change ²	Dollars		Rank in State			
	1986	1987	1988		1986	1987	1988	1986	1987	1988		1986	1987				
Walla Walla.....	652	672	700	4.2	13,764	14,378	15,108	9	Door.....	372	378	391	3.5	13,994	14,033	14,547	20
Whatcom.....	1,454	1,566	1,656	5.7	12,835	13,574	13,950	24	Douglas.....	482	500	536	7.2	11,602	11,969	12,776	40
Whidbey.....	516	524	562	7.3	13,544	13,862	15,027	11	Dunn.....	368	390	416	6.5	10,521	11,130	11,734	52
Yakima.....	2,208	2,350	2,424	3.2	12,112	12,820	13,063	32	Eau Claire.....	1,024	1,083	1,155	6.6	12,375	12,985	13,728	29
West Virginia.....	20,202	20,880	21,940	5.1	10,535	11,006	11,690		Fond du Lac.....	42	43	47	8.2	10,527	10,706	11,452	62
Metropolitan portion.....	8,333	8,623	9,108	5.6	11,960	12,462	13,305		Fond du Lac.....	1,205	1,278	1,343	5.1	13,457	14,247	14,858	18
Nonmetropolitan portion.....	11,869	12,257	12,832	4.7	9,722	10,161	10,763		Forest.....	78	80	84	5.6	8,494	8,768	9,234	71
Barbour.....	136	135	142	4.5	8,486	8,642	9,192	43	Grant.....	597	638	673	5.3	11,622	12,472	13,167	36
Berkeley.....	587	645	702	8.8	11,267	12,092	12,712	6	Green.....	434	464	483	4.3	13,996	15,022	15,565	12
Boone.....	333	327	326	-6	11,210	11,379	11,561	16	Green Lake.....	240	251	256	2.1	12,624	13,194	13,468	31
Braxton.....	130	132	141	6.6	8,834	9,118	9,862	36	Iowa.....	227	246	256	4.2	11,126	12,007	12,470	45
Brooke.....	298	306	320	4.6	10,247	10,711	11,332	23	Iron.....	61	64	68	6.3	9,789	10,155	10,680	67
Cabell.....	1,243	1,285	1,359	5.7	11,999	12,556	13,497	4	Jackson.....	177	187	194	3.6	10,818	11,496	11,811	51
Cahoon.....	58	60	63	5.2	6,775	7,158	7,660	53	Jefferson.....	872	931	993	6.7	12,923	13,697	14,419	21
Clay.....	73	76	77	2.0	6,400	6,773	6,929	55	Juneau.....	238	252	265	5.1	11,099	11,696	12,133	49
Doddridge.....	61	62	63	1.2	8,275	8,484	8,796	47	Kenosha.....	1,692	1,863	2,060	10.6	14,179	15,491	16,810	6
Fayette.....	456	461	487	5.5	8,367	8,716	9,379	40	Keweenaw.....	249	258	266	3.4	12,409	12,776	13,263	33
Gilmer.....	67	68	69	1.9	8,448	8,710	8,928	46	La Crosse.....	1,274	1,366	1,463	7.1	13,499	14,389	15,312	13
Grant.....	105	110	116	6.0	9,753	10,115	10,809	26	Lafayette.....	198	211	213	.8	11,817	12,640	12,772	41
Greenbrier.....	360	375	400	6.6	9,937	10,547	11,403	20	Langlade.....	212	220	231	4.7	10,692	11,202	11,669	54
Hampshire.....	157	170	183	8.1	10,027	10,570	11,204	24	Lincoln.....	312	325	343	5.5	11,077	11,470	12,024	50
Hancock.....	474	486	537	10.5	12,498	12,958	14,461	1	Manitowoc.....	1,034	1,061	1,115	5.1	12,725	13,114	13,793	28
Hardy.....	109	117	127	8.5	10,506	11,053	11,818	12	Marathon.....	1,400	1,499	1,597	6.5	12,524	13,350	14,089	23
Harrison.....	854	885	920	4.0	11,295	11,706	12,394	10	Marinette.....	476	497	522	5.2	11,428	11,786	12,332	48
Jackson.....	244	256	255	-2	9,468	10,007	10,288	34	Marquette.....	136	145	151	4.1	10,601	11,031	11,285	63
Jefferson.....	362	411	445	8.3	10,734	11,908	12,537	8	Milwaukee.....	14,236	14,860	15,890	6.9	15,233	15,995	17,084	4
Kanawha.....	2,949	3,022	3,153	4.3	13,218	13,597	14,400	3	Monroe.....	390	415	434	4.5	10,687	11,249	11,567	56
Lewis.....	175	179	185	3.4	9,447	9,938	10,509	31	Oconto.....	333	347	360	3.8	10,986	11,314	11,590	55
Lincoln.....	170	175	185	5.6	7,161	7,512	8,015	50	Oneida.....	385	403	430	6.5	12,184	12,779	13,432	32
Logan.....	464	476	505	6.2	9,381	9,793	10,615	29	Outagamie.....	1,851	1,978	2,114	6.9	13,561	14,313	15,019	17
McDowell.....	368	321	321	-1	8,219	7,514	7,919	51	Ozaukee.....	1,305	1,420	1,547	8.9	18,812	20,088	21,418	1
Marion.....	675	694	723	4.2	10,516	10,963	11,625	15	Pepin.....	85	89	94	5.2	11,605	12,218	12,768	42
Marshall.....	398	415	443	6.7	10,089	10,595	11,373	21	Pierce.....	424	466	494	6.0	12,494	13,445	14,124	22
Mason.....	236	246	266	8.2	8,943	9,365	10,216	33	Polk.....	410	434	459	5.7	11,870	12,409	12,953	38
Mercer.....	801	829	873	5.4	11,001	11,590	12,397	9	Portage.....	724	784	844	7.6	12,337	13,259	14,061	25
Mineral.....	284	295	313	6.0	10,476	10,832	11,499	18	Price.....	193	204	208	1.9	11,649	12,356	12,545	44
Mingo.....	356	365	387	6.1	9,584	10,084	10,834	25	Racine.....	2,508	2,674	2,863	7.1	14,648	15,567	16,475	8
Monongalia.....	875	928	975	5.1	11,333	11,904	12,610	7	Richland.....	181	189	195	3.3	10,475	10,925	11,250	64
Monroe.....	114	119	126	5.4	8,891	9,484	9,936	35	Rock.....	1,851	1,932	2,080	7.7	13,486	14,293	15,259	14
Morgan.....	124	133	143	7.2	10,789	11,249	11,800	13	Rusk.....	152	161	172	6.9	9,673	10,253	10,999	65
Nicholas.....	265	276	294	6.5	9,478	10,051	10,788	27	St. Croix.....	693	783	843	7.6	14,854	16,277	17,084	4
Ohio.....	728	760	819	7.7	12,540	13,226	14,422	2	Sauk.....	574	615	654	6.3	12,519	13,359	14,066	24
Pendleton.....	71	73	77	4.7	8,831	9,210	9,622	39	Sawyer.....	138	143	154	8.1	9,838	10,085	10,636	68
Pleasants.....	82	85	89	5.4	10,509	10,896	11,510	17	Sheboygan.....	1,460	1,547	1,665	7.6	14,309	15,112	16,165	9
Pocahontas.....	92	96	104	7.8	9,739	10,453	11,345	22	Taylor.....	218	225	252	11.9	11,421	11,752	13,054	37
Preston.....	261	266	273	2.4	8,499	8,749	9,060	45	Trempealeau.....	301	322	339	5.4	11,494	12,306	12,923	39
Putnam.....	460	484	509	5.1	11,264	11,680	12,162	11	Vernon.....	277	294	305	3.7	10,416	11,047	11,457	61
Raleigh.....	879	899	919	2.2	10,378	10,914	11,449	19	Vilas.....	198	209	223	6.6	11,386	11,888	12,466	46
Randolph.....	281	287	302	5.4	9,728	10,002	10,682	28	Walworth.....	993	1,058	1,118	5.7	13,740	14,504	15,206	59
Ritchie.....	98	100	105	5.0	8,653	9,018	9,650	38	Washington.....	146	150	159	6.4	10,618	11,512	11,529	59
Roane.....	133	136	142	3.9	8,642	8,903	9,276	41	Washington.....	1,314	1,436	1,566	9.1	14,747	15,796	16,780	7
Summers.....	110	112	116	4.2	7,018	7,227	7,606	54	Waukesha.....	5,047	5,487	5,991	9.2	17,425	18,592	19,822	2
Taylor.....	137	140	144	2.5	8,442	8,790	9,136	44	Waupaca.....	566	596	631	5.9	12,549	13,134	13,794	27
Tucker.....	78	80	85	5.7	9,369	9,790	10,450	32	Waushara.....	234	240	246	2.5	12,041	12,207	12,379	47
Tyler.....	101	105	111	6.1	9,390	9,847	10,559	30	Winnebago.....	1,909	2,028	2,168	6.9	14,042	14,836	15,663	11
Upshur.....	208	208	213	2.4	8,621	8,808	9,217	42	Wood.....	1,066	1,116	1,179	5.6	13,509	14,167	14,834	19
Wayne.....	403	417	429	2.9	8,969	9,414	9,791	37	Shawano (incl. Menominee).....	430	447	475	6.1	10,605	10,931	11,478	60
Webster.....	87	89	89	.2	7,513	7,810	7,862	52</									

State Personal Income, Summary Estimates for Fourth Quarter and Year 1989

Table 1.—Total Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

State and region	1986				1987				1988				1989				Percent change	
	I ^a	II ^a	III ^a	IV ^a	I ^a	II ^a	III ^a	IV ^a	I ^a	II ^a	III ^a	IV ^a	I ^a	II ^a	III ^a	IV ^a	1989:III-1989:IV	1988:IV-1989:IV
United States ¹	3,449,599	3,506,709	3,532,510	3,588,638	3,664,066	3,717,996	3,777,771	3,904,535	3,940,516	4,022,113	4,083,999	4,166,501	4,258,945	4,331,901	4,381,863	4,470,967	2.0	7.3
New England	212,217	216,492	220,001	225,600	229,667	235,520	241,932	249,862	253,058	258,988	263,809	270,257	274,341	278,974	282,068	287,070	1.8	6.2
Connecticut	60,478	61,783	62,569	64,368	65,535	67,350	69,006	71,243	72,056	73,528	74,983	77,305	79,459	80,291	81,622	1.7	5.6	
Maine	14,518	14,868	15,176	15,581	15,904	16,342	16,770	17,359	17,567	18,013	18,401	18,803	19,620	19,820	19,904	20,396	2.5	8.5
Massachusetts	99,809	101,708	103,587	106,097	107,813	110,378	113,469	117,005	118,877	121,677	123,733	126,578	128,498	130,345	131,958	134,180	1.7	6.0
New Hampshire	16,533	16,914	17,139	17,568	18,013	18,557	19,190	20,030	20,168	20,678	21,060	21,585	21,978	22,272	22,498	22,943	2.0	6.3
Rhode Island	13,905	14,145	14,337	14,634	14,900	15,188	15,596	16,070	16,164	16,649	16,936	17,188	17,661	17,925	18,107	18,426	1.8	7.2
Vermont	6,973	7,074	7,193	7,351	7,503	7,706	7,900	8,156	8,443	8,695	8,797	9,124	9,258	9,310	9,503	2.1	8.0	
Mideast	691,812	701,730	712,851	723,866	738,076	753,001	767,970	791,606	802,480	816,251	833,259	851,505	863,152	880,873	895,539	912,308	1.9	7.1
Delaware	9,483	9,679	9,806	10,028	10,212	10,488	10,754	11,137	11,223	11,513	11,904	12,100	12,609	12,779	13,223	13,143	1.7	8.6
District of Columbia	11,285	11,435	11,453	11,610	11,786	11,977	12,172	12,546	12,746	13,041	13,322	13,573	13,914	14,075	14,177	14,464	2.0	6.6
Maryland	73,680	75,013	76,157	77,890	78,672	81,586	83,423	86,399	87,668	89,238	91,802	92,287	96,001	97,855	101,363	101,437	2.1	8.7
New Jersey	139,216	141,804	144,569	146,853	150,745	152,739	157,491	162,545	165,848	168,553	172,520	176,734	178,931	182,122	185,367	188,914	1.9	6.9
New York	291,725	295,256	299,943	304,680	310,413	315,869	321,606	331,215	335,360	341,234	346,891	356,301	366,138	372,714	379,379	1.8	6.5	
Pennsylvania	166,425	168,634	170,923	172,804	175,649	179,341	182,523	187,764	189,635	192,672	196,820	203,129	207,906	210,996	214,971	1.9	7.7	
Great Lakes	590,167	603,341	604,245	612,074	624,335	629,157	639,080	661,251	668,843	678,427	689,337	699,091	720,895	730,492	751,206	1.6	7.5	
Illinois	173,942	179,068	181,300	185,552	186,729	189,622	197,874	200,506	202,383	205,108	209,008	214,781	217,946	221,004	225,619	2.1	7.9	
Indiana	70,787	72,874	72,428	73,480	75,273	77,009	80,145	81,524	82,248	83,407	83,147	88,358	89,177	89,329	91,187	2.1	9.7	
Michigan	133,662	135,833	136,401	138,265	140,148	141,569	143,406	147,258	148,881	151,031	154,584	156,961	160,549	162,802	166,608	168,245	1.0	7.2
Ohio	146,637	148,393	149,563	151,307	154,390	155,512	158,231	162,636	164,351	167,920	170,297	172,371	176,705	179,295	180,654	183,157	1.4	6.3
Wisconsin	65,049	66,437	66,784	67,723	68,972	70,812	73,337	73,580	74,845	75,940	77,605	80,502	81,272	81,467	82,999	1.9	6.9	
Plains	236,627	250,368	243,518	249,046	255,631	253,535	253,940	271,211	270,522	274,135	270,836	277,807	285,468	288,744	287,874	296,841	3.1	6.9
Iowa	36,213	39,599	37,622	37,520	39,726	37,985	37,662	42,811	42,215	41,634	41,054	41,298	44,137	44,103	43,428	44,662	2.8	8.1
Kansas	34,317	35,728	35,568	36,770	36,748	37,031	36,886	38,673	38,318	39,480	39,847	40,425	40,535	40,251	41,997	4.3	3.9	
Minnesota	60,847	63,591	62,725	63,934	65,842	65,497	66,585	70,085	70,932	71,512	71,415	73,044	75,432	76,869	77,263	79,445	2.8	8.8
Missouri	69,328	70,257	70,704	71,672	73,276	73,761	74,695	77,153	77,439	79,196	79,830	81,368	82,934	84,319	85,033	86,797	2.1	6.7
Nebraska	20,479	23,352	20,972	21,531	22,371	21,824	21,503	24,360	23,371	24,320	23,057	24,055	24,836	24,787	24,312	25,053	3.0	4.1
North Dakota	7,679	8,974	7,820	9,070	8,933	8,597	8,129	8,801	8,979	8,818	8,754	8,411	8,826	8,656	8,370	9,163	9.5	8.9
South Dakota	7,764	8,868	8,107	8,549	8,735	8,658	8,479	9,268	9,174	8,730	9,205	9,456	9,475	9,218	9,723	5.5	5.6	
Southeast	715,487	722,632	732,027	743,316	761,754	774,477	789,267	814,368	821,214	842,801	856,891	872,748	896,345	910,462	915,678	938,152	2.5	7.5
Alabama	45,447	45,631	46,207	46,728	47,866	48,453	49,404	50,940	51,036	52,462	53,155	54,146	55,191	56,159	56,296	57,684	2.5	6.5
Arkansas	26,003	25,792	26,019	26,395	27,192	27,044	27,166	27,805	28,093	29,415	29,849	31,311	31,194	30,900	31,532	2.0	5.6	
Florida	167,078	169,619	172,221	175,545	180,304	184,689	188,841	195,997	197,323	202,788	207,536	211,775	217,559	222,349	225,565	231,342	2.6	9.2
Georgia	80,467	81,528	82,968	84,672	86,590	88,297	90,320	93,094	93,865	96,100	97,862	99,435	101,581	103,442	104,580	107,136	2.4	7.7
Kentucky	41,374	41,801	42,119	42,528	43,352	44,138	44,985	46,377	46,607	47,553	48,257	48,804	50,614	50,993	51,459	52,304	1.6	7.2
Louisiana	51,394	50,629	50,470	50,143	50,861	50,519	51,083	52,320	52,752	54,094	54,518	55,421	56,035	56,953	57,279	58,301	1.8	5.2
Mississippi	25,322	25,308	25,596	25,582	26,825	26,742	27,029	27,711	28,245	29,160	29,326	29,858	30,752	30,927	30,904	31,507	2.0	5.5
North Carolina	76,787	78,149	79,398	80,819	82,630	84,341	86,074	88,678	89,787	91,801	93,771	95,652	98,384	99,566	99,950	102,139	2.2	6.8
South Carolina	37,593	38,047	38,516	39,200	40,022	40,845	41,608	42,975	43,318	44,602	45,240	46,080	47,759	48,235	48,524	49,445	7.9	7.3
Tennessee	56,515	57,299	58,333	59,254	61,117	62,062	63,159	65,418	65,847	67,389	68,450	69,820	71,153	72,548	73,530	74,518	1.3	6.7
Virginia	87,389	88,725	90,133	92,108	94,533	96,588	98,696	101,656	102,841	105,319	107,317	109,563	112,941	115,036	116,229	118,479	1.9	8.1
West Virginia	20,118	20,247	20,342	20,461	20,759	21,398	21,500	21,871	22,045	22,346	23,066	23,161	23,765	23,060	23,606	23,765	2.6	6.4
Southwest	328,594	327,462	325,988	326,881	334,082	336,151	340,227	348,925	349,790	358,914	361,621	369,332	376,463	382,906	386,061	395,886	2.5	7.2
Arizona	43,804	44,311	44,930	46,031	47,114	48,172	48,799	50,766	50,732	51,887	52,830	53,564	55,057	55,975	56,636	58,237	2.8	8.7
New Mexico	16,774	16,845	16,914	17,027	17,340	17,647	17,871	18,300	18,346	18,775	18,869	19,319	19,622	20,012	20,202	20,789	2.9	7.6
Oklahoma	40,893	40,797	40,051	40,644	40,845	40,708	41,067	41,739	42,285	42,912	43,342	44,210	44,948	45,413	46,636	46,636	2.5	5.5</

Table 2.—Nonfarm Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

State and region	1986				1987				1988				1989				Percent change	
	I ^a	II ^a	III ^a	IV ^a	I ^a	II ^a	III ^a	IV ^a	I ^a	II ^a	III ^a	IV ^a	I ^a	II ^a	III ^a	IV ^a	1989:III-1989:IV	1988:IV-1987:IV
United States	3,414,613	3,449,741	3,492,613	3,543,336	3,610,502	3,673,025	3,741,331	3,850,126	3,891,800	3,970,950	4,044,126	4,122,969	4,201,052	4,281,250	4,345,568	4,422,470	1.8	7.3
New England	211,592	215,800	219,230	224,832	228,968	234,778	241,218	249,162	252,442	258,307	262,969	269,454	273,505	278,216	281,360	286,272	1.7	6.2
Connecticut	60,327	61,615	62,388	64,185	65,369	67,173	68,839	71,074	71,909	73,361	74,781	77,110	77,249	79,165	80,120	81,432	1.6	5.6
Maine	14,446	14,790	15,083	15,491	15,760	16,196	16,628	17,465	17,907	18,264	18,668	19,443	19,666	19,756	20,220	2.3	8.3	
Massachusetts	99,576	101,453	103,319	105,819	107,651	110,207	113,310	116,848	118,711	121,496	123,513	126,371	128,290	130,158	131,785	133,995	1.7	6.0
New Hampshire	16,499	16,875	17,096	17,524	17,955	18,494	19,124	19,968	20,115	20,615	21,512	21,920	22,215	22,444	22,885	2.0	6.4	
Rhode Island	13,862	14,094	14,285	14,581	14,859	15,143	15,554	16,027	16,127	16,605	16,881	17,137	17,610	17,877	18,063	18,376	1.7	7.2
Vermont	6,882	6,972	7,059	7,232	7,374	7,565	7,763	8,027	8,116	8,321	8,548	8,657	8,994	9,135	9,192	9,364	1.9	8.2
Mideast	689,804	699,247	710,227	721,426	735,573	750,333	765,554	788,940	800,222	813,854	830,548	848,803	860,171	877,936	893,097	909,544	1.8	7.2
Delaware	9,342	9,497	9,635	9,834	10,076	10,333	10,636	10,998	11,078	11,342	11,665	12,358	12,525	12,730	12,930	1.6	9.0	
District of Columbia	11,285	11,345	11,453	11,610	11,786	11,977	12,172	12,546	12,746	13,041	13,322	13,573	13,914	14,075	14,177	14,464	2.0	6.6
Maryland	73,373	74,606	75,790	77,515	79,305	81,220	83,103	86,006	87,332	88,864	91,376	92,847	95,562	97,419	99,008	101,035	2.0	8.8
New Jersey	138,978	141,526	144,289	146,576	150,426	153,394	157,174	162,213	165,558	168,231	172,152	176,359	178,575	181,783	185,096	188,602	1.9	6.9
New York	291,191	294,572	299,238	304,004	309,308	315,112	320,900	330,439	334,704	340,592	346,201	355,612	355,778	365,313	372,022	378,620	1.8	6.5
Pennsylvania	165,780	167,702	169,822	171,867	174,672	178,278	181,570	186,804	191,783	195,820	203,985	206,822	210,064	213,893	218,708	223,839	1.8	7.7
Great Lakes	586,615	593,340	599,560	607,014	617,734	624,488	635,936	652,131	660,374	672,470	686,559	697,914	711,069	721,866	733,162	744,631	1.6	6.7
Illinois	173,163	175,952	178,115	180,115	183,646	185,723	189,351	194,675	197,515	200,468	204,935	209,277	211,637	215,446	219,272	223,804	2.1	6.9
Indiana	70,401	71,011	71,796	72,729	75,152	76,696	78,894	81,194	83,019	84,089	86,787	87,708	88,379	90,142	92,047	2.0	7.2	
Michigan	133,211	134,870	135,736	137,626	139,404	141,016	142,906	146,099	148,106	150,383	154,206	156,445	159,424	161,718	165,896	167,455	2.0	7.0
Ohio	146,059	147,076	148,376	150,508	153,451	154,698	157,683	161,318	163,122	166,961	172,090	175,584	178,298	180,031	182,458	184,537	1.3	6.0
Wisconsin	63,780	64,430	65,119	66,036	67,204	67,901	69,300	71,145	72,103	73,465	74,708	76,013	77,637	78,696	79,584	80,772	1.5	6.3
Plains	230,791	232,497	235,189	237,912	242,389	244,932	248,685	255,032	257,813	263,092	266,393	271,766	275,696	281,144	284,153	288,841	1.6	6.3
Iowa	34,658	34,850	35,150	35,368	36,010	36,950	38,120	38,446	39,271	39,945	40,815	41,374	42,079	42,277	42,991	1.7	5.3	
Kansas	33,567	33,682	34,025	34,599	34,937	35,458	35,994	36,785	36,917	37,759	38,092	38,800	39,460	40,170	40,530	40,975	1.1	5.6
Minnesota	59,631	60,274	61,168	61,854	63,530	64,050	65,275	67,064	68,375	69,681	70,445	72,409	72,938	74,896	75,876	77,407	2.0	6.9
Missouri	68,702	69,163	69,991	70,973	72,297	73,051	74,093	75,912	76,510	78,203	80,550	82,129	83,609	84,694	85,980	1.5	6.7	
Nebraska	19,377	19,541	19,706	19,842	20,150	20,333	20,644	21,113	21,390	21,966	22,377	22,740	23,088	23,297	23,701	1.7	5.9	
North Dakota	7,540	7,580	7,632	7,677	7,763	7,784	7,865	7,961	8,024	8,111	8,159	8,250	8,349	8,436	8,538	1.7	5.3	
South Dakota	7,316	7,407	7,517	7,598	7,702	7,756	7,865	8,077	8,149	8,344	8,412	8,565	8,707	8,865	8,940	9,102	1.8	6.3
Southeast	706,043	713,194	723,181	734,144	749,970	763,818	779,800	804,447	810,699	829,250	843,829	858,887	881,549	897,894	906,634	927,161	2.3	7.9
Alabama	44,689	44,931	45,501	45,958	46,962	47,644	48,673	50,191	50,201	51,452	52,874	55,188	56,604	56,764	57,119	57,441	2.1	7.4
Arkansas	24,599	24,777	25,071	25,439	25,552	25,927	26,280	26,977	27,129	27,688	28,349	28,944	29,364	29,878	30,396	30,815	1.7	7.2
Florida	164,928	167,360	169,948	173,180	178,072	182,257	186,573	193,765	195,105	200,019	204,760	209,215	214,821	220,023	223,425	228,839	2.4	9.4
Georgia	79,417	80,389	81,865	83,504	85,345	87,080	89,263	91,938	92,775	94,873	96,474	97,874	100,018	101,863	103,522	105,792	2.2	8.1
Kentucky	40,756	40,937	41,352	41,739	42,579	43,208	44,065	45,359	45,707	46,553	47,237	48,826	49,363	49,836	50,586	51,247	1.7	7.2
Louisiana	50,809	50,267	50,210	49,901	50,011	50,164	50,784	52,022	52,156	53,138	53,830	54,553	55,195	56,476	57,081	58,052	1.7	6.4
Mississippi	24,652	24,753	24,998	25,185	25,672	25,957	26,444	27,157	27,305	27,974	28,427	28,760	29,544	30,104	30,409	30,894	1.6	7.4
North Carolina	75,601	76,770	78,090	79,409	81,163	82,875	84,729	87,172	88,366	90,117	91,840	93,671	95,654	97,857	98,628	100,594	2.0	7.4
South Carolina	37,418	37,852	38,356	39,030	40,533	41,345	42,656	43,004	44,226	44,926	45,664	47,356	47,872	49,058	49,553	49,958	2.7	7.4
Tennessee	56,060	56,836	57,892	58,850	60,450	61,437	62,585	64,774	65,180	66,639	67,703	68,894	70,379	71,931	73,121	73,926	1.1	7.3
Virginia	87,042	88,279	89,715	91,661	94,037	96,022	98,200	101,073	102,327	104,765	106,700	108,932	112,278	114,368	115,704	117,869	1.9	8.2
West Virginia	20,074	20,043	20,184	20,289	20,424	20,715	20,858	21,364	21,444	21,806	22,275	23,020	23,012	23,121	23,731	2.6	6.5	
Southwest	324,032	322,407	322,141	322,510	327,147	330,673	335,787	344,348	345,195	352,668	357,187	363,079	369,731	377,434	382,533	390,097	2.0	7.4
Arizona	43,275	43,801	44,411	45,568	46,428	47,562	48,296	50,253	50,197	51,194	52,292	52,988	54,366	55,431	56,189	57,665	2.6	8.8
New Mexico	16,563	16,551	16,651	16,760	17,042	17,304	17,622	18,037	18,086	18,490	18,614	18,972	19,323	19,758	20,000	20,407	2.0	7.6
Oklahoma	40,155	39,552	39,213	39,225	39,456	39,711	40,209	40,900	41,196	41,932	42,352	42,929	43,681	44,356	44,784	45,344	1.2	5.6
Texas	224,038	222,502	221,866	220,957	224,221													

Table 3.—Total Personal Income for States and Regions, 1981–89, and Percent Change in Selected Shares of Personal Income for States and Regions, 1988–89

Area name	Total									Percent change ²									
	Millions of dollars									Total personal income	Earnings ³								
	1981	1982	1983	1984	1985	1986 ^a	1987 ^a	1988 ^a	1989 ^a		Total	Mining	Construction	Manufacturing	Transportation, public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Government
United States ¹	2,514,231	2,663,432	2,834,385	3,101,163	3,317,545	3,519,364	3,766,092	4,053,282	4,360,919	7.6	6.4	-7	2.7	3.9	5.4	6.5	3.8	10.2	7.4
New England	145,282	156,305	169,145	187,447	201,986	218,577	239,245	261,528	280,613	7.3	5.3	-14.5	-5.9	1.9	4.5	6.0	1.9	11.2	8.0
Connecticut	42,115	45,237	48,630	53,893	57,892	62,300	68,284	74,468	79,682	7.0	5.1	-18.3	-4.3	.6	5.2	6.7	3.3	11.8	7.2
Maine	10,227	10,902	11,781	12,915	13,856	15,036	16,594	18,196	19,935	9.6	8.7	-24.1	-.1	6.2	7.2	8.7	7.8	13.8	9.4
Massachusetts	67,786	73,266	79,425	88,260	94,957	102,800	112,167	122,716	131,245	7.0	4.8	-9.4	-8.1	1.7	3.6	5.2	0	10.5	7.3
New Hampshire	10,213	10,990	12,260	13,752	15,340	17,039	18,947	20,873	22,423	7.4	4.8	-15.3	-13.6	3.6	3.6	5.5	2.0	12.1	12.5
Rhode Island	10,000	10,643	11,458	12,505	13,320	14,255	15,438	16,734	18,030	7.7	6.5	-16.8	1.2	2.6	3.8	6.6	4.7	11.7	7.3
Vermont	4,941	5,267	5,591	6,122	7,148	7,817	8,540	9,299	8.9	7.9	-9.2	6.2	3.6	7.2	7.3	6.5	12.2	12.8	
Mideast	499,432	533,797	570,631	621,851	664,784	707,565	762,663	825,874	887,968	7.5	6.1	-5	3.0	2.1	3.7	5.4	3.5	10.2	8.3
Delaware	6,733	7,198	7,714	8,391	9,106	9,749	10,648	11,685	12,863	10.1	9.6	6.4	-5.6	11.9	11.3	8.3	10.7	14.7	6.7
District of Columbia	8,613	9,210	9,599	10,392	11,105	11,423	12,121	13,171	14,157	7.5	7.4	-4.3	7.0	2.4	1.9	3.8	1.8	10.5	7.2
Maryland	50,847	54,411	58,647	64,544	70,154	75,685	82,770	90,499	98,664	9.0	7.7	-3.2	4.8	5.2	11.4	6.2	6.3	9.5	8.7
New Jersey	95,954	103,773	112,510	123,602	133,333	143,110	156,130	170,914	183,833	7.6	6.2	2	4	1.7	1.7	5.6	8.6	11.4	8.9
New York	208,172	223,261	239,979	263,527	280,266	297,901	319,676	344,947	368,700	6.9	5.3	-6.9	2.8	.5	2.1	3.8	2.1	9.7	8.8
Pennsylvania	129,113	135,945	142,183	151,386	160,820	169,697	181,319	194,659	209,750	7.8	6.6	1.9	5.1	3.0	5.7	7.4	3.7	10.3	7.1
Great Lakes	456,410	469,844	493,266	539,149	570,427	602,457	638,456	683,924	735,414	7.5	6.7	-1.0	5.5	4.0	4.0	6.5	4.0	9.5	7.3
Illinois	137,055	141,841	147,786	161,426	169,961	178,528	189,945	204,252	219,837	7.6	7.0	-3.1	5.5	4.4	2.8	7.7	3.1	10.0	5.9
Indiana	55,194	56,447	59,036	65,015	68,338	72,415	77,080	82,581	89,513	8.4	7.9	4.4	8.2	5.0	5.5	7.3	5.9	9.7	8.6
Michigan	101,082	101,228	107,437	118,047	127,250	136,040	143,095	152,864	164,551	7.6	6.4	1.3	2.2	4.0	3.2	4.5	3.6	9.7	11.8
Ohio	113,969	117,766	123,972	134,761	141,972	148,975	157,692	168,735	179,953	6.6	5.5	-2.6	6.2	3.5	5.2	5.7	4.2	8.5	5.5
Wisconsin	50,110	52,562	55,035	59,900	62,900	66,498	70,644	75,492	81,560	8.0	7.6	4.6	6.4	3.0	4.6	8.3	6.4	9.9	4.6
Plains	184,543	192,722	200,485	220,093	232,842	244,889	258,533	273,325	289,732	6.0	4.9	-8	.7	3.8	5.7	5.4	5.3	10.1	5.6
Iowa	31,553	31,790	34,763	36,217	37,739	39,546	41,550	44,083	46,111	6.1	6.8	6.2	5.3	3.5	6.8	9.5	10.2	5.1	
Kansas	26,736	28,459	29,471	31,789	33,819	35,596	37,335	39,280	40,658	3.5	1.1	-7.3	-3.9	3.2	5.6	4.6	3.5	9.3	6.5
Minnesota	45,203	47,734	50,027	55,824	59,278	62,774	67,002	71,726	77,252	7.7	6.9	9.8	4.8	3.0	10.0	5.0	4.3	11.3	4.3
Missouri	50,962	53,723	57,091	62,525	66,729	70,490	74,721	79,458	84,771	6.7	5.2	-3.6	-2.1	4.0	5.2	6.6	5.2	11.0	6.1
Nebraska	16,862	17,576	17,987	19,778	20,808	21,581	22,514	23,701	24,747	4.4	3.7	-9.9	-2.1	4.2	2.4	6.6	5.2	10.0	6.2
North Dakota	6,710	7,070	7,361	7,930	8,182	8,386	8,615	8,815	8,753	2.8	2.0	1	-2.6	6.0	2.9	4.3	5.4	6.5	5.3
South Dakota	6,398	6,590	6,760	7,483	7,811	8,321	8,800	9,094	9,468	4.1	3.0	1.6	2.7	3.8	1.5	6.5	12.8	9.2	6.1
Southeast	505,500	537,110	577,331	634,235	681,056	728,365	784,965	848,413	915,159	7.9	6.4	-2	1.1	4.8	5.1	6.7	4.6	11.1	7.3
Alabama	33,261	34,851	37,093	40,349	43,026	46,003	49,165	52,700	56,332	6.9	5.8	4.7	2.4	5.8	5.6	7.0	4.6	8.8	5.9
Arkansas	19,139	19,850	21,158	23,309	24,838	26,052	27,302	29,255	31,235	6.8	5.8	-2	-5.7	5.2	4.8	6.6	3.1	9.7	6.3
Florida	110,296	118,530	130,641	143,926	158,411	171,116	187,458	204,855	224,204	9.4	7.0	-1.2	2	4.2	2.7	7.0	3.3	12.4	8.2
Georgia	51,842	55,787	61,211	68,920	75,394	82,409	89,575	96,816	104,185	7.6	6.0	1.6	-2.1	2.7	2.7	6.1	5.2	11.3	8.5
Kentucky	32,738	34,281	35,340	38,732	40,102	41,956	44,713	47,805	51,342	7.4	6.6	-1.7	3.5	3.6	7.3	7.0	6.3	10.1	6.3
Louisiana	42,211	44,863	46,456	48,798	50,679	51,196	54,196	57,142	54	3.7	-2.3	-6	6.7	4.3	3.5	0	9.2	4.0	
Mississippi	19,489	20,551	21,431	23,159	24,174	25,402	27,077	29,147	31,022	6.4	5.2	-1.1	6.2	7.7	5.9	5.2	9.7	8.7	
North Carolina	52,891	55,867	60,722	67,851	72,987	78,788	85,431	92,753	100,010	7.8	6.6	5.3	-1.0	5.0	6.2	7.9	6.5	12.2	7.8
South Carolina	26,676	28,048	30,329	33,476	35,780	38,339	41,363	44,810	47,816	6.7	5.5	.9	3.2	6.5	5.3	7.2	7.7	11.7	8.3
Tennessee	40,872	42,969	45,745	50,360	53,637	57,850	62,939	67,877	72,937	7.5	6.0	-2.3	2.8	5.1	8.4	5.1	3.7	10.8	5.6
Virginia	59,343	63,837	69,310	76,452	82,523	89,589	97,868	106,260	115,671	8.9	7.6	-3.8	5.0	4.2	7.2	8.4	6.8	10.7	8.0
West Virginia	16,741	17,671	17,895	18,902	19,504	20,202	20,880	21,940	23,263	6.0	4.4	3.5	-1.4	5.4	4.0	2.6	8.9	1.5	
Southwest	237,800	259,155	272,359	296,109	318,147	327,232	339,846	359,914	385,329	7.1	5.5	-2.4	-1.9	4.2	7.2	6.2	2.9	9.9	6.0
Arizona	28,339	29,756	32,750	36,800	40,963	44,769	48,713	52,253	56,476	8.1	5.6	-5	-7.1	2.8	8.2	9.2	7	10.2	6.8
New Mexico	12,048	13,012	13,796	14,979	16,238	16,890	17,789	18,827	20,156	7.1	5.2	.7	-1.8	9.6	2.9	2.9	2.4	8.3	5.5
Oklahoma	33,189	36,713	36,925	38,824	40,235	40,596	41,089	43,187	45,626	5.6	4.5	-2	-3.0	3.8	5.6	4.1	3.6	9.7	4.0
Texas	164,224	179,673	188,888	205,505	220,711	224,977	232,255	245,647	263,071	7.1	5.7	-3.2	-6	4.3	7.6	6.1	3.3	9.9	6.3
Rocky Mountain	71,425	76,356	80,934	86,932	91,522	95,051	99,057	104,486	112,085	7.3	6.5	-5	2.3	6.6	5.1	7.6	3.9	10.1	5.2
Colorado	35,406	38,822	41,542	44,947	47,511	49,420	51,637	54,337	58,027	6.8	5.8	-2.9	-9	6.6	4.2	6.6	3.6	10.7	5.3
Idaho	8,946	9,079	9,778	10,357	10,86														

Table 4.—Per Capita Personal Income for States and Regions, 1981–89

Area name	Based on State estimates of population ¹											Based on the sum of county estimates of population ²											Rank in U.S. 1988						
	Dollars											Dollars																	
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1981	1982	1983	1984	1985	1986	1987	1988	1981	1982	1983	1984	1985	1986	1987	1988				
United States	10,949	11,480	12,098	13,114	13,896	14,597	15,471	16,491	17,567	10,949	11,482	12,100	13,116	13,899	14,597	15,472	16,490	11,700	12,572	13,544	14,910	15,958	17,155	18,628	20,174				
New England	11,701	12,570	13,536	14,900	15,950	17,154	18,625	20,171	21,509	13,485	14,466	15,486	17,091	18,254	19,508	21,261	23,033	9,025	9,588	10,286	11,167	12,834	13,988	15,092	16,434				
Connecticut	13,487	14,461	15,454	17,055	18,227	19,505	21,256	23,039	24,604	1	1	2	9,011	9,565	10,265	11,154	11,888	12,832	13,990	14,466	15,486	17,091	18,254	19,508	21,261	23,033			
Maine	9,025	9,588	10,286	11,167	12,834	13,988	15,092	16,310	17,884	27	25	2	11,782	12,755	13,785	15,238	16,317	17,619	19,155	20,836	11,779	12,749	13,779	14,060	15,367	16,317	17,619	19,155	
Massachusetts	11,779	12,749	13,779	15,230	16,305	17,618	19,153	20,834	22,196	3	3	4	10,898	11,591	12,786	14,057	15,357	16,595	17,938	19,233	10,901	11,590	12,785	14,060	15,367	16,595	17,938	19,233	
New Hampshire	10,901	11,590	12,785	14,060	15,367	16,591	17,933	19,230	20,251	6	7	8	10,502	11,169	12,024	13,024	14,627	15,652	16,857	17,938	19,233	10,500	11,167	12,023	13,025	14,627	15,652	16,857	17,938
Rhode Island	10,500	11,167	11,999	13,025	13,779	14,626	15,649	16,846	18,061	13	14	15	10,502	11,169	12,024	13,024	14,627	15,652	16,857	17,938	19,233	9,562	10,106	11,999	13,025	14,627	15,652	16,857	17,938
Vermont	9,562	10,106	10,623	11,535	12,373	13,233	14,280	15,303	16,399	25	24	25	9,578	10,123	10,638	11,549	12,371	13,240	14,287	15,320	16,399	11,701	12,570	13,536	14,597	15,472	16,490	17,567	18,628
Mideast	11,797	12,590	13,404	14,554	15,516	16,434	17,629	18,975	20,321	9	9	10	11,799	12,596	13,411	14,563	15,529	16,436	17,631	18,972	11,265	12,452	13,203	14,077	15,308	16,434	17,700	19,116	
Delaware	11,265	11,952	12,645	13,583	14,547	15,307	16,433	17,693	19,116	9	9	11,266	12,003	12,722	13,666	14,637	15,308	16,434	17,700	19,116	11,615	12,467	13,214	14,077	15,308	16,434	17,700	19,116	
District of Columbia	13,615	14,697	15,361	16,650	17,811	18,268	19,498	21,471	23,436	13,608	14,695	15,369	16,657	17,817	18,271	19,513	21,347	11,945	12,730	13,637	14,544	15,367	16,657	17,817	19,513	21,347			
Maryland	11,945	12,730	13,637	14,841	15,970	16,958	18,242	19,565	21,020	4	5	11,947	12,735	13,641	14,843	15,970	16,964	18,248	19,580	21,020	12,954	13,964	14,842	15,970	16,964	18,248	19,580	21,020	
New Jersey	12,954	13,964	15,064	16,442	17,618	18,767	20,343	22,146	23,764	2	2	12,956	13,971	15,074	16,455	17,634	18,768	20,344	22,136	12,701	13,580	14,464	15,064	16,442	17,634	18,768	20,344		
New York	11,854	12,701	13,580	14,866	15,773	16,730	17,921	19,261	20,540	5	6	11,857	12,707	13,589	14,878	15,793	16,731	17,923	19,261	20,540	12,701	13,580	14,464	15,064	16,442	17,634	18,768	20,344	
Pennsylvania	10,868	11,438	11,953	12,730	13,554	14,264	15,182	16,224	17,422	20	20	10,869	11,441	11,954	12,731	13,556	14,265	15,182	16,219	10,868	11,438	11,953	12,730	13,554	14,265	15,182	16,219		
Great Lakes	10,945	11,297	11,883	12,964	14,433	15,229	16,242	17,387	18,561	10,942	11,293	11,882	12,964	14,426	15,222	16,237	17,387	18,561	10,942	11,293	11,882	12,964	14,426	15,222	16,237	17,387	18,561		
Illinois	11,943	12,353	12,858	14,007	14,730	15,452	16,396	17,588	18,858	11	11	11,944	12,356	12,859	14,007	14,732	15,451	16,396	17,586	11,943	12,353	12,858	14,007	14,730	15,451	16,396	17,586		
Indiana	10,054	10,291	10,782	11,838	12,424	13,158	13,937	14,856	16,005	30	28	10,054	10,292	10,781	11,837	12,424	13,159	13,939	14,862	10,054	10,291	10,782	11,838	12,424	13,159	13,939	14,862		
Michigan	10,865	11,100	11,866	13,030	14,001	14,879	15,544	16,544	17,745	17	16	10,866	11,101	11,864	13,027	14,001	14,880	15,546	17,745	10,865	11,100	11,866	13,030	14,001	14,880	15,546	17,745		
Ohio	10,556	11,931	11,520	12,512	13,176	13,821	14,579	15,530	16,499	23	22	10,552	11,932	12,510	13,210	14,579	15,542	16,498	17,544	10,556	11,931	11,520	12,512	13,176	14,579	15,542	16,498		
Wisconsin	10,600	11,111	11,650	12,638	13,234	13,964	14,762	15,625	16,759	22	21	10,582	11,074	11,590	12,575	13,170	14,901	15,551	16,551	10,600	11,111	11,650	12,638	13,234	13,964	14,762	15,625		
Plains	10,670	11,108	11,515	12,579	13,273	13,944	14,669	15,391	16,231	10,670	11,107	11,508	12,567	13,263	13,943	14,669	15,390	16,231	10,670	11,108	11,515	12,579	13,273	13,944	14,669	15,390			
Iowa	10,815	10,865	10,979	12,022	12,619	13,290	14,014	14,680	15,524	32	31	10,812	10,857	10,943	11,969	12,569	13,287	14,008	14,662	10,815	10,865	10,979	12,022	12,619	13,290	14,014	14,662		
Kansas	11,189	11,809	12,137	13,022	13,812	14,482	15,085	15,736	16,182	21	21	11,188	11,809	12,133	13,017	13,804	14,470	15,083	15,740	11,189	11,809	12,137	13,022	13,812	14,482	15,085	15,740		
Minnesota	11,015	11,547	12,069	13,409	14,144	14,898	15,784	16,649	17,746	15	15	11,016	11,549	12,068	13,407	14,142	14,900	15,786	16,655	11,015	11,547	12,069	13,409	14,144	14,898	15,784	16,655		
Missouri	10,320	10,866	11,498	12,494	13,250	13,913	14,630	15,458	16,431	24	23	10,322	10,868	11,498	12,491	13,252	13,913	14,630	15,455	10,320	10,866	11,498	12,494	13,250	13,913	14,630	15,455		
Nebraska	10,651	11,053	11,266	12,323	12,967	13,504	14,123	14,783	15,360	31	33	10,652	11,055	11,265	12,321	12,966	13,505	14,125	15,360	10,651	11,053	11,266	12,323	12,967	13,504	14,123	15,360		
North Dakota	10,148	10,518	10,803	11,548	12,291	13,328	13,829	14,274	15,092	42	43	10,150	10,520	10,802	11,547	12,261	13,321	14,125	15,360	10,148	10,518	10,803	11,548	12,291	13,328	14,274	15,092		
South Dakota	9,248	8,709	9,324	10,152	10,729	11,339	12,074	12,934	13,616	38	39	9,247	9,717	10,377	11,918	12,028	13,668	14,774	16,068	9,248	8,709	9,324	10,152	10,729	11,339	12,074	13,616		
Southeast	9,413	9,875	10,484	11,367	12,044	12,715	13,528	14,461	15,423	40	41	9,414	9,878	10,485	11,368	12,043	12,717	13,530	14,460	9,413	9,875	10,484	11,367	12,044	12,715	13,528	14,460		
Alabama	8,467	8,835	9,359	10,110	10,698	11,356	12,038	12,845	13,679	40	41	8,467	8,836	9,358	10,107	10,697	11,357	12,039	12,846	8,467	8,835	9,359	10,110	10,698	11,356	12,			

Table 5.—Total and Per Capita Disposable Personal Income for States and Regions, 1981–89

Area name	Total										Per capita ¹										Rank in U.S.			
	Millions of dollars										Dollars													
	1981	1982	1983	1984	1985	1986 ^r	1987 ^r	1988 ^r	1989 ^r	1988–89	1981 ^r	1982 ^r	1983 ^r	1984 ^r	1985 ^r	1986 ^r	1987 ^r	1988 ^r	1989 ^r					
	2,121,830	2,255,123	2,424,380	2,662,051	2,832,081	3,007,642	3,195,715	3,467,873	3,713,804	7.1	9,240	9,721	10,350	11,257	11,863	12,474	13,128	14,109	14,961	.....	.....	
United States	2,121,830	2,255,123	2,424,380	2,662,051	2,832,081	3,007,642	3,195,715	3,467,873	3,713,804	7.1	9,240	9,721	10,350	11,257	11,863	12,474	13,128	14,109	14,961	.....	.....	
New England	122,325	132,071	143,807	160,274	171,147	183,152	199,266	220,190	235,250	6.8	9,852	10,621	11,508	12,740	13,515	14,374	15,513	16,983	18,032	20,210	2	1		
Connecticut	35,274	37,771	41,375	46,002	48,624	51,397	55,706	61,656	65,452	6.2	11,296	12,074	13,149	14,558	15,309	16,092	17,341	19,075	20,210	20,210	20,210	2	1	
Maine	8,883	9,366	10,175	11,294	12,117	12,944	14,171	15,604	17,122	9.7	7,839	8,237	8,884	9,765	10,409	11,048	11,946	12,939	14,008	14,008	14,008	14,008	24	24
Massachusetts	56,486	61,590	66,632	74,449	79,649	85,641	93,093	102,928	107,747	6.6	9,815	10,717	11,560	12,847	14,677	15,896	17,474	18,560	19,075	19,075	19,075	19,075	10	3
New Hampshire	8,871	9,633	10,722	12,221	13,443	14,786	16,497	18,285	19,547	6.9	9,469	10,159	11,181	12,495	13,466	14,398	15,614	16,845	17,653	17,653	17,653	17,653	14	5
Rhode Island	8,560	9,145	10,061	11,008	11,662	12,371	13,277	14,494	15,583	7.5	8,988	9,595	10,536	12,065	12,693	13,459	14,591	15,611	15,611	15,611	15,611	15,611	25	14
Vermont	4,251	4,566	4,842	5,300	5,652	6,012	6,522	7,224	7,798	7.9	8,228	8,762	9,199	9,986	10,562	11,130	11,914	12,944	13,752	13,752	13,752	13,752	37	26
Mideast	416,828	444,958	481,873	526,033	558,809	594,391	635,376	696,608	744,247	6.8	9,846	10,495	11,319	12,311	13,043	13,806	14,686	16,005	17,032	17,032	17,032	17,032	.....	.....
Delaware	5,385	5,836	6,375	6,920	7,503	7,994	8,788	9,700	10,629	9.6	9,009	9,690	10,449	11,202	11,987	12,552	13,563	14,687	15,795	15,795	15,795	15,795	24	12
District of Columbia	7,094	7,424	7,838	8,574	9,135	9,304	9,739	10,750	11,476	6.8	11,213	11,847	12,543	13,736	14,651	14,879	15,748	17,525	18,997	18,997	18,997	18,997	.....	.....
Maryland	41,619	44,716	49,001	54,276	58,924	63,218	68,294	76,217	82,456	8.2	9,777	10,462	11,394	12,480	13,413	14,165	15,052	16,477	17,567	17,567	17,567	17,567	12	6
New Jersey	81,313	88,004	96,464	105,953	113,608	120,621	130,734	144,828	154,940	7.0	10,977	11,842	12,916	14,094	15,012	15,818	17,034	18,766	20,029	20,029	20,029	20,029	3	2
New York	171,818	182,964	199,888	219,711	231,039	246,376	261,753	286,393	303,428	5.9	9,784	10,409	11,312	12,394	13,003	13,836	14,674	15,992	16,904	16,904	16,904	16,904	11	7
Pennsylvania	109,599	116,014	123,309	130,600	138,599	146,877	156,018	168,720	181,319	7.5	9,225	9,762	10,562	11,130	11,914	12,944	13,752	14,062	15,060	15,060	15,060	15,060	18	18
Great Lakes	384,583	399,749	422,335	463,757	489,032	516,948	544,281	586,635	628,278	7.1	9,222	9,611	10,174	11,152	11,740	12,384	12,983	13,932	14,854	14,854	14,854	14,854	.....	.....
Illinois	115,538	121,127	127,327	139,042	146,348	154,318	162,373	176,089	188,559	7.1	10,068	10,549	11,078	12,064	12,683	13,356	14,016	15,163	16,175	16,175	16,175	16,175	9	9
Indiana	46,633	47,945	50,372	56,201	58,655	62,210	66,016	70,967	76,718	8.1	8,494	8,741	9,200	10,234	10,664	11,303	11,936	12,766	13,717	13,717	13,717	13,717	24	27
Michigan	84,323	86,010	91,452	100,991	107,933	115,450	121,327	130,160	139,713	7.3	9,154	9,431	10,100	11,147	11,876	12,627	13,195	14,087	15,066	15,066	15,066	15,066	19	17
Ohio	96,270	100,339	105,988	116,194	121,796	127,987	134,405	144,744	153,676	6.2	8,916	9,314	9,849	10,788	11,304	11,874	12,426	13,322	14,090	14,090	14,090	14,090	23	23
Wisconsin	41,819	44,328	47,196	51,329	54,299	56,984	60,159	64,675	69,613	7.6	8,847	9,370	9,990	10,829	11,425	12,571	13,386	14,304	15,281	15,281	15,281	15,281	28	21
Plains	152,605	161,926	170,588	189,248	199,964	210,715	220,216	233,629	247,318	5.9	8,996	9,333	9,798	10,816	11,398	12,495	13,155	13,855	14,267	14,267	14,267	14,267	.....	.....
Iowa	26,511	26,587	27,021	30,083	31,307	32,362	33,459	35,353	37,399	5.8	9,087	9,151	9,332	10,404	10,909	11,397	11,857	12,491	13,170	13,170	13,170	13,170	23	33
Kansas	22,289	23,720	24,896	27,139	28,587	30,345	31,289	32,982	34,055	3.3	9,328	9,843	10,253	11,117	11,676	12,346	13,212	13,554	15	29	29	29	.....	.....
Minnesota	37,641	39,667	41,718	47,079	49,833	53,229	56,011	60,371	65,191	8.0	9,152	9,595	10,064	11,308	11,890	12,633	13,195	14,013	14,976	14,976	14,976	14,976	20	19
Missouri	43,723	45,266	49,025	53,832	57,662	60,958	64,426	68,598	73,017	6.4	8,780	9,156	9,874	10,577	11,450	12,032	12,615	13,345	14,153	14,153	14,153	14,153	30	22
Nebraska	14,451	14,726	15,457	17,291	18,212	18,743	19,452	20,494	21,325	4.1	8,216	9,261	9,681	10,774	11,349	11,727	12,202	12,783	13,236	13,236	13,236	13,236	22	22
North Dakota	5,633	6,140	6,419	7,103	7,261	7,503	7,635	7,752	7,749	2.6	8,519	9,135	9,421	10,344	10,606	11,056	11,369	11,740	12,248	12,248	12,248	12,248	32	41
South Dakota	5,705	5,820	6,052	6,721	7,102	7,575	7,944	8,278	8,582	3.7	8,246	8,378	8,658	9,531	10,028	10,704	11,196	11,639	12,004	12,004	12,004	12,004	36	39
Southeast	430,417	458,087	496,484	546,950	582,794	626,550	672,746	731,460	786,462	7.5	8,014	8,422	9,016	9,803	10,306	10,938	11,594	12,467	13,254	13,254	13,254	13,254	.....	.....
Alabama	28,229	29,767	31,738	34,844	36,593	39,365	41,892	45,272	48,250	6.6	7,186	7,546	8,008	8,730	9,099	9,718	10,257	11,034	11,716	11,716	11,716	11,716	48	42
Arkansas	16,588	17,018	18,412	20,127	21,655	22,448	23,726	25,544	27,159	6.3	7,210	7,374	7,917	8,578	9,168	9,593	9,934	10,663	11,290	11,290	11,290	11,290	47	48
Florida	94,418	103,350	112,902	124,279	135,557	146,668	160,769	176,916	192,854	9.0	9,261	9,578	10,494	11,244	11,924	12,547	13,372	14,339	15,220	15,220	15,220	15,220	17	16
Georgia	47,723	47,181	51,521	58,010	63,013	69,483	75,200	81,756	87,677	7.2	7,849	8,343	8,982	9,925	10,544	11,388	12,097	12,897	13,623	13,623	13,623	13,623	39	28
Kentucky	28,195	29,521	30,690	33,684	34,544	36,164	38,476	41,316	44,264	7.1														

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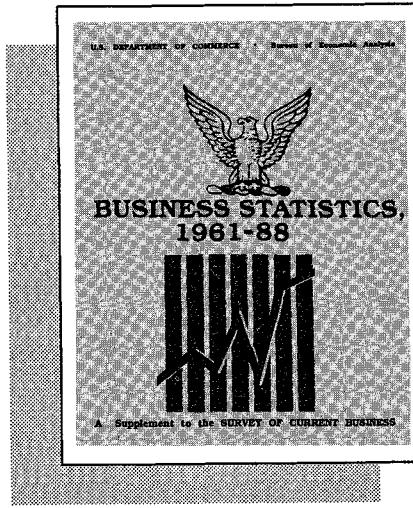
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1. CYCLICAL INDICATORS

1.1 Composite Indexes

The Leading Index																	
910 ♦ Composite index of leading indicators, 1982=100 (L,L,L).....	144.9	145.6	144.7	145.8	144.2	144.0	144.1	144.8	145.0	144.4	144.6	145.1	145.3	143.9	145.2		
♦ Percent change over 1-month span, AR.....	.2	-3.2	-7.2	9.5	-12.4	-1.6	.8	6.0	1.7	-4.9	1.7	4.2	1.7	-11.0	p 11.4		
♦ Percent change over 3-month span, AR.....	0	-1.1	-6	-3.8	-1.9	-4.6	1.7	2.8	.8	-6	1.3	2.5	-1.9	p .3			
Contributions of leading index components:																	
(1) Average weekly hours, mfg. (L,L,L).....	-0.03	0	-0.07	.22	-0.22	0	0	0	0	-0.15	-0.07	-0.08	.08	0	0	0	
(5) Average weekly initial claims for unemployment insurance (inverted) (L,C,L) †.....	-0.04	-0.06	-0.13	.17	-0.12	-0.14	-0.08	.19	-0.03	-0.30	.11	-0.09	-0.07	.08	.06		
(8) New orders in 1982\$, consumer goods and materials (L,L,L).....	-0.38	-0.10	-0.17	.21	-0.11	-0.06	-0.25	.48	-0.16	-0.01	.07	-0.17	-0.22	.26	.18		
(32) Vendor performance, slower deliveries diffusion index (L,L,L).....	-0.04	-0.03	-0.09	.08	-0.17	-0.08	-0.03	-0.07	-0.03	-0.04	0	-0.02	.20	-0.17	.11		
(20) Contracts and orders for plant and equipment in 1982\$ (L,L,L).....	.24	-0.22	.15	.06	-0.13	.09	.09	-0.15	-0.01	-0.04	.11	.23	-0.25	-0.14	.25		
(29) Building permits, new private housing units (L,L,L).....	-0.02	-0.16	-0.38	.23	.03	-0.08	-0.06	.10	-0.02	.08	-0.03	.07	.68	-0.82	-0.17		
(92) Change in unfilled orders in 1982\$, durable goods, smoothed (L,L,L) †.....	-0.01	-0.01	-0.04	.03	-0.10	-0.03	.01	-0.22	-0.15	-0.09	.07	.32	.14	-0.08	-0.04		
(99) Change in sensitive materials prices, smoothed (L,L,L) †.....	-0.10	.17	.08	-0.17	-0.29	-0.28	-0.28	-0.19	-0.03	.02	-0.15	-0.27	-0.09	-0.08	.24		
(19) Stock prices, 500 common stocks, NSA (L,L,L).....	.11	.16	-0.02	.18	.21	.17	.14	.24	.01	0	-0.12	.13	.14	-0.16	.13		
(106) Money supply M2 in 1982\$ (L,L,L).....	0	-0.09	-0.06	-0.21	-0.27	.12	.23	.21	.10	.04	.07	.07	.26	.08	-0.01		
(83) Index of consumer expectations, NSA (L,L,L).....	0	-0.04	-0.04	-0.16	-0.11	.07	.13	-0.19	.31	-0.05	-0.11	.04	-0.08	-0.08	0		
950 Diffusion index of 11 leading indicator components:																	
♦ Percent rising over 1-month span.....	43.6	22.7	18.2	72.7	18.2	40.9	50.0	50.0	31.8	36.4	54.5	54.5	36.4	31.8	p 63.6		
♦ Percent rising over 6-month span.....	37.9	36.4	22.7	18.2	36.4	50.0	36.4	45.5	45.5	27.3	p 36.4						
The Coincident Index																	
920 ♦ Composite index of coincident indicators, 1982=100 (C,C,C).....	132.9	132.0	132.0	132.8	132.5	132.8	132.6	133.9	133.5	133.0	133.6	134.0	132.7	133.9	134.2		
♦ Percent change over 1-month span, AR.....	2.3	1.8	0	7.5	-2.7	2.8	-1.8	12.4	-3.5	-4.4	5.5	3.7	-11.0	11.4	1.2		
♦ Percent change over 3-month span, AR.....	1.8	2.8	3.1	1.5	2.4	-6	4.3	2.1	1.2	-9	1.5	-9	.9	1.6			
Contributions of coincident index components:																	
(41) Employees on nonagricultural payrolls (C,C,C).....	.15	.20	.13	.16	.15	.22	.12	.09	.15	.05	.20	.08	.26	.25	.02		
(51) Personal income less transfer payments in 1982\$ (C,C,C).....	.17	.52	.15	.05	-0.10	.18	.17	.17	-0.03	.24	.24	.42	.28	.20			
(47) Industrial production (C,C,C).....	.04	-0.06	.04	.20	-0.02	.08	-0.02	.12	.04	-0.13	.10	.13	.36	.23	.24		
(57) Manufacturing and trade sales in 1982\$ (C,C,C).....	.05	-0.25	-0.14	.39	-0.07	-0.07	-0.23	.78	-0.19	-0.22	.10	0	-0.25	.31			
951 Diffusion index of 4 coincident indicator components:																	
♦ Percent rising over 1-month span.....	68.8	50.0	75.0	100.0	25.0	75.0	50.0	100.0	25.0	50.0	100.0	100.0	25.0	100.0	100.0		
♦ Percent rising over 6-month span.....	83.3	100.0	75.0	75.0	100.0	100.0	50.0	p 75.0	100.0	75.0	p 50.0	p 100.0					
The Lagging Index																	
930 ♦ Composite index of lagging indicators, 1982=100 (L,g,L,g,Lg).....	119.9	119.3	120.1	119.3	120.3	120.5	120.1	120.1	119.9	120.3	120.2	120.1	119.5	119.4	120.3		
♦ Percent change over 1-month span, AR.....	3.1	12.9	8.4	-7.7	10.5	2.0	-3.9	0	-2.0	4.1	-1.0	-5.8	-1.0	2.7	9.4		
♦ Percent change over 3-month span, AR.....	2.5	11.8	4.1	3.4	1.3	2.7	-7	-2.0	.7	-7.3	-7	-2.6	-2.6				
Contributions of lagging index components:																	
(91) Average duration of unemployment (inverted) (L,g,L,g,Lg) †.....	.06	.29	-0.15	-0.14	.44	.37	-0.36	.26	-0.05	-0.10	.05	.05	-0.31	.20	-0.21		
(77) Ratio, mfg. and trade inventories to sales in 1982\$ (L,g,L,g,Lg).....	.03	.13	.13	-0.26	0	.13	.26	-.52	.13	.26	.13	-0.13	.13	-0.39			
(62) Change in labor cost per unit of output, mfg., smoothed (L,g,L,g,Lg) †.....	.01	.10	.42	-0.15	-0.17	-0.10	.03	.03	.07	.37	-0.22	-0.20	-0.08	-0.18	0		
(109) Average prime rate, NSA (L,g,L,g,Lg).....	0	.25	.33	0	0	-0.25	-0.05	-.28	0	0	0	0	-0.23	-0.06	0		
(101) Commercial and industrial loans in 1982\$ (L,g,L,g,Lg).....	.12	.35	.04	.07	.36	.17	.08	.53	-.19	-.06	.02	.06	-.14	.36	.67		
(95) Ratio, consumer installment credit to personal income (L,g,L,g,Lg).....	.01	-.16	-.19	-.09	.19	-.03	-.34	.03	0	-.16	-.12	.06	-.12				
(120) Change in CPI for services, smoothed (L,g,L,g,Lg) †.....	-.02	.05	.05	-0.14	-0.05	-0.14	.05	-.05	-0.14	-0.05	.05	.14	.24	.10	.27		
952 Diffusion index of 7 lagging indicator components:																	
♦ Percent rising over 1-month span.....	55.4	85.7	71.4	21.4	57.1	42.9	57.1	57.1	42.9	35.7	64.3	50.0	28.6	42.9	60.0		
♦ Percent rising over 6-month span.....	56.3	85.7	78.6	71.4	42.9	28.6	57.1	57.1	42.9	28.6	42.9	40.0					
940 ♦ Ratio, coincident index to lagging index, 1982=100 (L,L,L)....	110.9	110.6	109.9	111.3	110.1	110.2	110.4	111.5	111.3	110.6	111.1	111.6	111.0	112.1	111.6		

See footnotes on page C-6.

Series no.	Series title and timing classification	Year	1989												1990				
			Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. *			
I. CYCLICAL INDICATORS — Continued																			
1.2 Employment and Unemployment																			
1 ♦	Marginal employment adjustments:																		
21 ♦	Average weekly hours, mfg. (L,L,L)	41.0	41.1	41.0	41.3	41.0	41.0	41.0	41.0	41.0	40.8	40.7	40.6	40.7	40.7	P 40.7			
5 ♦	Average weekly overtime hours, mfg. (L,C,L)	3.8	3.9	4.0	3.9	3.8	3.8	3.9	3.8	3.8	3.7	3.7	3.6	3.7	3.6	P 3.7			
5 ♦	Average weekly initial claims for unemployment insurance, thous. (L,C,L) 1 ‡	323	303	318	299	312	328	338	316	320	357	343	354	363	353	346			
Job vacancies:																			
46 ♦	Index of help-wanted advertising, 1967=100 (L,Lg,U)	150	155	151	159	152	147	150	147	146	151	145	149	146	140	P 139			
60	Ratio, help-wanted advertising to unemployment (L,Lg,U)	.688	.725	.725	.724	.704	.666	.678	.671	.658	.684	.648	.666	.665	.632	P .637			
Employment:																			
48 ♦	Employee hours in nonagricultural establishments, bil. hours, AR (U,C,C)	201.94	200.32	200.33	202.10	200.85	201.37	202.54	201.67	202.73	203.37	204.91	202.79	203.89	204.79	P 204.70			
42	Persons engaged in nonagricultural activities, thous. (U,C,C)	114,142	113,561	113,862	113,940	113,995	114,404	114,219	114,275	114,200	114,388	114,676	114,691	114,728	114,957	115,133			
41 ♦	Employees on nonagricultural payrolls, thous. (C,C,C)	108,581	107,711	107,888	108,101	108,310	108,607	108,767	108,887	109,096	109,171	109,452	109,570	109,931	110,287	P 110,313			
963	Diffusion index of employees on private nonagricultural payrolls, 349 industries:																		
	Percent rising over 1-month span	57.7	60.5	61.0	58.2	55.6	59.7	55.6	57.4	47.9	55.3	60.9	51.9	58.5	57.4	P 51.3			
	Percent rising over 6-month span	62.5	69.5	68.2	66.0	57.9	57.7	60.2	53.4	58.3	59.2	61.7							
40 ♦	Employees in goods-producing industries, thous. (L,C,U)	25,634	25,629	25,646	25,671	25,672	25,648	25,669	25,694	25,614	25,603	25,609	25,532	25,518	25,682	P 25,586			
90 ♦	Ratio, civilian employment to population of working age, percent (U,Lg,U)	63.0	62.8	63.0	62.9	62.9	63.1	63.0	63.0	62.9	63.0	63.0	63.0	62.9	63.0	63.1			
Unemployment:																			
37	Number of persons unemployed, thous. (L,Lg,U) ‡	6,528	6,360	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535	6,594	6,495			
43 ♦	Civilian unemployment rate, percent (L,Lg,U) ‡	5.3	5.2	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2			
45	Avg. weekly insured unemploy. rate, percent (L,Lg,U) ‡	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.2	2.3	2.3			
91 ♦	Average duration of unemploy. in weeks (L,Lg,Lg) ‡	11.9	12.3	12.4	12.6	11.9	11.2	11.9	11.4	11.5	11.7	11.6	11.5	12.1	11.7	12.0			
44	Unemployment rate, 15 weeks and over, percent (L,Lg,Lg) ‡	1.1	1.1	1.1	1.1	1.1	1.0	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1			
1.3 Production and Income																			
50 ♦	Output and income:																		
	Gross national product, bil. 1982\$, AR (C,C,C)	4,144.1	4,106.8				4,132.5			4,162.9			4,174.1			P 4,195.8			
	Percent change from previous quarter, AR	3.0	3.7				2.5			3.0			1.1			P 2.1			
49	Value of goods output, bil. 1982\$, AR (C,C,C)	1,837.1	1,823.2				1,843.9			1,851.3			1,830.2			P 1,838.3			
52	Personal income, bil. 1982\$, AR (C,C,C)	3,404.9	3,377.2	3,390.9	3,390.3	3,384.4	3,398.1	3,407.7	3,420.5	3,420.4	3,424.9	3,443.1	3,455.0	3,440.2	3,453.3	P 3,459.3			
51 ♦	Personal income less transfer payments, bil. 1982\$, AR (C,C,C)	2,918.6	2,897.0	2,905.5	2,908.2	2,902.8	2,912.8	2,922.6	2,932.1	2,930.2	2,934.3	2,948.0	2,961.9	2,937.8	2,953.6	P 2,962.3			
53 ♦	Wages and salaries in mining, mfg., and construction, bil. 1982\$, AR (C,C,C)	567.7	566.7	572.3	566.4	564.3	565.7	566.3	570.2	569.1	572.1	567.6	565.0	557.4	561.1	P 561.3			
Industrial production indexes, 1987=100: §																			
47 ♦	Total (C,C,C)	108.1	107.6	107.7	108.6	108.3	108.4	107.8	108.2	108.2	107.7	108.1	108.6	107.2	108.1	P 108.8			
73 ♦	Durable manufactures (C,C,C)	110.9	110.5	110.9	111.6	111.4	111.8	110.6	111.3	111.5	109.4	110.1	110.4	108.6	110.5	P 111.5			
74 ♦	Nondurable manufactures (C,L,L)	106.4	105.6	105.9	106.5	106.4	106.2	106.1	106.2	106.0	107.2	107.3	106.7	107.3	107.5	P 107.0			
82 ♦	Capacity utilization rate, mfg., percent (L,C,U)	83.9	84.4	84.5	84.8	84.5	84.4	83.6	83.8	83.6	82.9	83.0	82.8	82.0	82.6	P 82.7			
1.4 Consumption, Trade, Orders, and Deliveries																			
7 ♦	Orders and deliveries:																		
7 ♦	Mfrs.' new orders, durable goods, bil. 1982\$ (L,L,L)	1,281.48	105.80	106.70	110.01	104.68	105.69	103.15	106.89	105.06	104.07	109.02	110.50	98.75	100.99	P 107.49			
8 ♦	Mfrs.' new orders, consumer goods and materials, bil. 1982\$ (L,L,L)	1,054.13	89.12	86.34	89.73	87.85	86.77	82.76	90.45	87.84	87.60	88.78	86.07	82.56	86.59	P 89.61			
	Mfrs.' unfilled orders, durable goods, mil. 1982\$	413,899	391,711	394,266	398,072	397,872	400,440	403,249	400,552	401,595	402,621	406,439	413,899	414,899	413,529	P 416,000			
	Change from previous month, bil. 1982\$	2.15	1.06	2.56	3.81	-20	2.57	2.81	-2.70	1.04	1.03	3.82	7.46	1.00	-1.37	P 2.47			
92 ♦	Change from previous month, bil. 1982\$, smoothed (L,L,L) †	2.01	2.61	2.58	2.72	2.42	2.26	2.24	1.56	1.10	.82	1.05	2.06	2.50	2.24	P 2.12			
32 ♦	Vendor performance, slower deliveries diffusion index, percent (L,L,L)	47.6	53.3	51.6	52.6	49.5	47.6	46.3	44.6	43.8	42.9	43.0	42.5	47.2	43.3	45.8			
Consumption and trade:																			
57 ♦	Manufacturing and trade sales, mil. 1982\$ (C,C,C)	5,517,075	455,730	453,177	460,622	458,941	457,821	453,579	467,831	464,351	460,267	462,060	462,080	457,436	463,235				
75 ♦	Index of industrial production, consumer goods, 1987=100 (C,L,C) §	106.7	106.3	106.9	107.0	106.8	106.3	105.2	105.6	106.3	107.3	107.4	108.3	105.5	107.0	P 107.8			
59 ♦	Sales of retail stores, mil. 1982\$ (U,L,U)	1,475,353	121,811	121,330	122,199	122,378	122,463	123,253	124,914	125,200	122,984	123,286	123,041	124,379	123,726	P 122,569			
58	Indexes of consumer attitudes:																		
	Consumer sentiment, U. of Michigan, 1966:I=100, NSA (L,L,L) §	92.8	95.4	94.3	91.5	90.7	90.6	92.0	89.6	95.8	93.9	90.9	90.5	93.0	89.5	91.3			
83 ♦	Consumer expectations, U. of Michigan, 1966:I=100, NSA (L,L,L) §	85.3	88.8	87.6	83.2	80.1	82.0	85.5	80.3	88.6	87.2	84.3	85.5	83.4	81.3	81.3			
122	Consumer confidence, The Conference Board, 1985=100 (L,L,L)	116.8	120.7	117.4	116.6	116.7	117.2	120.4	115.4	116.3	117.0	115.1	113.0	106.5	106.7	P 110.2			
123 ♦	Consumer expectations, The Conference Board, 1985=100 (L,L,L)	104.9	108.3	104.9	101.8	103.0	105.1	106.6	103.7	106.1	106.4	103.7	104.4	97.0	93.7	P 100.8			
1.5 Fixed Capital Investment																			
12 ♦	Formation of business enterprises:																		
13 ♦	Index of net business formation, 1967=100 (L,L,L)	124.8	125.9	128.0	125.0	125.6	125.9	124.4	123.2	122.7	123.0	123.4	124.3	126.8	127.6	P 124.9			
	Number of new business incorporations (L,L,L)	679,386	58,724	57,695	56,890	57,419	57,048	55,180	55,916	55,390	54,651	55,180	57,040	59,255					
Business investment commitments:																			
10	Contracts and orders for plant and equipment, bil.\$ (L,L,L)	523.30	42.24	43.18	44.60	42.02													

Series no.	Series title and timing classification	Year	1989												1990					
			1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.*			
1. CYCLICAL INDICATORS — Continued																				
1.5 Fixed Capital Investment — Continued																				
61	Business investment expenditures:																			
	New plant and equipment expenditures by business, bil.\$, AR (C,Lg,Lg)	475.52	459.47					470.86			484.93				486.80			502.65		
100 ♦	New plant and equipment expenditures by business, bil., 1982\$, AR (C,Lg,Lg)	467.83	451.35					463.49			477.34				479.16			492.70		
69 ♦	Mfrs.' machinery and equipment sales and business construction expenditures, bil.\$, AR (C,Lg,Lg)	488.36	475.31	485.30	487.01	487.06	490.84	484.22	508.96	503.82	486.12	485.31	491.20	496.94	521.81	510.88				
76 ♦	Index of industrial production, business equipment, 1987=100 (C,Lg,U) §	119.1	117.1	117.9	119.6	120.2	121.4	119.9	120.4	120.7	116.0	118.7	119.9	117.9	119.6	120.8				
86 ♦	Gross private nonres. fixed investment, bil. 1982\$, AR:																			
	Total (C,Lg,C)	510.3	501.0					511.4			517.9			510.8			520.2			
87 ♦	Structures (Lg,Lg,Lg)	120.0	121.1					118.1			120.4			120.3			121.8			
88 ♦	Producers' durable equipment (C,Lg,C)	390.3	379.9					393.2			397.6			390.6			398.4			
	Residential construction and investment:																			
28 ♦	New private housing units started, thous., AR (L,L,L).....	1,376	1,454	1,405	1,341	1,308	1,414	1,424	1,325	1,263	1,423	1,347	1,273	1,568	1,457	1,321				
29 ♦	Index of new private housing units authorized by local building permits, 1967=100 (L,L,L)	107.1	111.9	98.1	106.4	107.4	104.3	102.2	105.9	105.2	108.1	107.0	109.7	139.2	104.1	98.2				
89 ♦	Gross private residential fixed investment, bil. 1982\$, AR (L,L,L)	188.5	195.6					189.3			184.8			184.3			188.1			
1.6 Inventories and Inventory Investment																				
30 ♦	Inventory investment:																			
31 ♦	Change in business inventories, bil. 1982\$, AR (L,L,L).....	21.9	24.5					19.1			21.9			22.2			2.6			
	Change in mfg. and trade inventories, bil.\$, AR (L,L,L) §	41.2	44.3	23.3	69.7	80.1	34.2	81.1	33.1	3.9	31.7	40.2	-32.3	25.2	-34.9					
70	Inventories on hand:																			
77 ♦	Mfg. and trade inventories, bil. 1982\$ (Lg,Lg,Lg).....	701.97	690.75	690.50	691.15	693.00	694.54	696.96	699.04	697.01	701.45	705.26	701.97	700.68	696.84					
	Ratio, mfg. and trade inventories to sales in 1982\$ (Lg,Lg,Lg)	1.52	1.52	1.52	1.50	1.51	1.52	1.54	1.49	1.50	1.52	1.53	1.52	1.53	1.50					
1.7 Prices, Costs, and Profits																				
	Sensitive commodity prices:																			
	Index of sensitive materials prices, 1982=100.....	131.86	134.73	135.64	134.52	133.26	132.53	131.49	130.85	131.19	131.02	128.54	125.73	125.24	123.54	125.34				
	Percent change from previous month.....	-34	1.41	.68	-.83	-94	-.55	-.78	-.49	.26	-.13	-1.89	-2.19	-.39	-1.36	1.46				
99 ♦	Percent change from previous month, smoothed (L,L,L) § .....	.09	.96	1.04	.84	.48	.13	-.20	-.43	-.47	-.63	-9.95	-1.06	-1.16	-8.87				
98	Index of producer prices for sensitive crude and intermediate materials, 1982=100 (L,L,L).....	140.82	140.38	141.34	141.91	142.66	141.53	140.97	140.59	140.86	141.94	140.07	137.87	137.21	136.60	137.93				
	Cattle hides.....	213.3	194.8	226.0	209.4	200.4	206.7	218.0	219.0	222.9	222.7	225.6	229.5	206.1	233.0	217.1				
	Lumber and wood products.....	126.7	122.0	122.7	124.5	126.0	127.1	128.4	129.0	129.1	131.2	130.3	129.5	129.8	130.0					
	Wastepaper, news.....	124.1	143.7	138.3	138.2	134.1	124.9	112.9	108.9	107.5	108.7	110.6	107.3	108.9	105.9	107.4				
	Wastepaper, mixed, NSA.....	115.4	141.9	126.6	124.4	117.4	110.5	103.7	101.2	100.6	100.4	100.4	101.8	101.4	80.3	80.8				
	Wastepaper, corrugated.....	181.3	206.1	197.9	196.1	186.9	176.2	166.7	164.6	162.1	165.3	171.6	177.6	172.5	176.8	170.5				
	Iron and steel scrap.....	173.6	186.2	185.8	185.8	188.6	182.0	174.3	167.2	164.7	159.2	153.9	151.6	152.9	149.8	155.3				
	Copper base scrap.....	179.9	178.5	183.5	186.4	187.9	172.8	169.2	183.0	187.3	196.5	175.9	156.9	160.7	157.2	170.0				
	Aluminum base scrap.....	204.1	229.0	221.8	214.7	212.2	205.2	196.7	186.4	188.4	186.5	188.2	180.5	176.5	157.5	157.0				
	Other nonferrous scrap, n.e.c., NSA.....	165.0	176.7	176.2	173.8	169.6	164.4	157.7	158.3	161.9	164.2	155.3	144.0	144.9	138.4	156.1				
	Sand, gravel, and crushed stone.....	122.9	122.1	121.9	122.1	122.5	122.7	122.9	123.1	123.5	123.7	123.9	124.1	123.8	124.4	124.8				
	Raw cotton.....	105.8	94.0	95.8	99.7	99.3	100.4	105.3	111.3	116.1	121.6	120.4	111.2	105.9	111.0	115.0				
	Domestic apparel wool.....	137.9	151.7	158.5	139.3	132.5	133.4	130.2	129.3	133.0	132.0	134.0	124.5	121.2	105.3	105.8				
23 ♦	Index of spot market prices, raw industrial materials, 1967=100 (U,L,L) §	325.3	329.3	334.6	335.0	330.5	329.1	326.7	325.0	327.0	325.7	314.2	301.7	300.9	301.1	304.5				
	Copper scrap, \$ per lb. © .....	.958	.898	.998	1.070	.993	.940	.940	1.014	1.030	1.031	.894	.768	.777	.841	.846			
	Lead scrap, \$ per lb. © .....	.241	.260	.246	.235	.226	.223	.221	.236	.249	.244	.239	.228	.236	.258	.238			
	Steel scrap, \$ per ton ©	106,940	106,004	112,550	115,071	118,730	117,460	113,565	102,439	101,640	97,826	96,000	94,094	97,143	96,836	98,000				
	Tin, \$ per lb. ©	4,815	4,444	5,007	5,791	5,977	5,928	5,471	4,919	4,628	4,402	4,365	3,531	3,543	3,378	3,424				
	Zinc, \$ per lb., NSA ©	830	901	954	.879	.854	.809	.804	.829	.822	.804	.761	.734	.688	.669	.762				
	Buriap, \$ per yd. © .....	.283	.279	.285	.277	.274	.282	.289	.287	.296	.295	.284	.279	.276	.279	.286			
	Cotton, \$ per lb., NSA © .....	.639	.565	.577	.595	.584	.586	.648	.704	.726	.752	.719	.647	.643	.669	.689			
	Print cloth, \$ per yd. © .....	.710	.615	.651	.670	.720	.790	.828	.789	.767	.744	.719	.699	.727	.713	.722			
	Wool tops, \$ per lb., NSA ©	5,722	7,075	6,650	6,250	5,570	5,400	5,200	5,220	5,250	5,180	5,000	4,800	4,680	4,500	4,738				
	Hides, \$ per lb. ©	1,001	1,059	1,109	.927	.887	.909	.973	.996	1,018	1,035	1,040	1,052	1,085	1,109	1,056				
	Rosin, \$ per 100 lb. ©	63,958	65,327	65,196	65,261	65,261	64,759	63,126	63,126	62,812	62,624	62,500	62,438	63,690	65,217	65,347				
	Rubber, \$ per lb., NSA © .....	.507	.592	.566	.553	.520	.494	.492	.473	.462	.461	.457	.449	.448	.458	.460			
	Tallow, \$ per lb., NSA © .....	.143	.147	.145	.143	.144	.150	.142	.131	.138	.144	.144	.136	.136	.142	.134			
	Consumer Price Index for services, 1982-84=100.....	131.9	129.6	130.2	130.6	131.6	131.6	132.3	132.7	133.0	133.6	134.2	134.9	135.7	136.2	137.1				
	Percent change from previous month, AR.....	5.0	4.7	5.7	3.7	4.7	4.7	6.6	3.7	2.7	5.5	5.5	6.4	7.4	4.5	8.2				
120 ♦	Percent change from previous month, AR, smoothed (L,L,L) §	4.9	5.2	5.3	5.1	5.0	4.9	4.9	4.6	4.5	4.6	4.6	4.9	5.4	5.6	6.0				
19 ♦	Index of stock prices, 500 common stocks, 1941-43=10, NSA (L,L,L).....	322.84	294.01	292.71	302.25	313.93	323.73	331.93	346.61	347.33	347.40	340.22	348.57	339.97	330.45	338.47				
	Profits and profit margins:																			
16 ♦	Corporate profits after tax, bil.\$, AR (L,L,L).....	160.9	173.6					161.1			152.4			156.7						
18 ♦	Corporate profits after tax, bil. 1982\$, AR (L,L,L).....	132.7	147.5					133.2			123.6			126.4						
22 ♦	Ratio, corporate domestic profits after tax to corporate domestic income, percent (L,L,L).....	4.5	5.2					4.7			4.2			4.0						
81 ♦	Ratio, corporate domestic profits after tax with IVA and CCAj to corporate domestic income, percent (U,L,L).....	5.0	5.1					5.2			5.0			4.5						
26																				

Series no.	Series title and timing classification	Year	1989												1990					
			Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. *				
1. CYCLICAL INDICATORS — Continued																				
1.8 Money and Credit — Continued																				
107	Velocity of money:		6.679	6.505	6.413	6.420	6.692	6.424	6.421	6.764	6.412	6.415	6.753	6.419	6.417	6.424	6.800	6.424		
108	Ratio, GNP to money supply M1 (C,C,C).....	1.415	1.403	1.413	1.420	1.425	1.424	1.421	1.416	1.412	1.415	1.419	1.417	1.424	1.424	1.424	1.429	1.429		
112 ♦	Credit flows:																			
112 ♦	Net change in business loans, bil.\$, AR (L,L,L) §	44.20	96.23	48.08	57.05	105.85	27.41	40.50	82.48	7.86	3.97	28	99	56.32	64.80	108.60				
113 ♦	Net change in consumer installment credit, bil.\$, AR (L,L,L).....	64.52	45.18	32.99	50.65	32.60	-6.06	31.88	16.45	38.29	55.18	52.16	45.59	40.99						
111	Percent change in business and consumer credit outstanding, AR (L,L,L), §		12.1	7.5	8.3	10.3	4.3	3.2	6.0	-6	-9	3.5	-1.3							
110 ♦	Funds raised by private nonfinancial borrowers in credit markets, mil.\$, AR (L,L,L).....	553,420	569,552			568,868			568,996			506,264								
14	Credit difficulties:																			
14	Current liabilities of business failures, mil.\$, NSA (L,L,L) §	35,663.6	2,316.1	2,948.0	6,145.6	1,873.2	2,186.0	4,073.4	2,960.0	1,751.2	2,223.9	2,000.8	5,085.4							
39	Percent of consumer installment loans delinquent 30 days and over (L,L,L) §	2.64	2.42	2.39	2.35	2.34	2.30	2.86	2.73	2.88	2.71	2.63	2.64							
93	Bank reserves:																			
93	Free reserves, mil.\$, NSA (L,L,U) §	449	701	427	217	512	332	378	251	267	486	617	677	602	76	698				
94	Member bank borrowings from the Federal Reserve, mil.\$, NSA (L,Lg,U).....	1,141	1,487	1,813	2,289	1,720	1,490	694	675	693	555	349	265	440	1,448	2,124				
119 ♦	Interest rates (percent, NSA):																			
119 ♦	Federal funds rate (L,Lg,L).....	9.22	9.36	9.85	9.84	9.81	9.53	9.24	8.99	9.02	8.84	8.55	8.45	8.23	8.24	8.28				
114 ♦	Discount rate on new issues of 91-day Treasury bills (C,Lg,Lg).....	8.12	8.48	8.83	8.70	8.40	8.22	7.92	7.91	7.72	7.63	7.65	7.64	7.64	7.76	7.87				
116 ♦	Yield on new issues of high-grade corporate bonds (Lg,Lg,Lg).....	9.55	10.11	10.33	10.11	9.82	9.24	9.20	9.09	9.29	9.04	9.20	9.23	9.56	9.68	9.79				
115 ♦	Yield on long-term Treasury bonds (C,Lg,Lg).....	8.59	9.16	9.33	9.18	8.95	8.40	8.19	8.26	8.31	8.15	8.03	8.02	8.39	8.66	8.74				
117	Yield on municipal bonds, 20-bond average (U,Lg,Lg).....	7.23	7.44	7.59	7.49	7.25	7.02	6.96	7.06	7.26	7.22	7.14	6.98	7.10	7.22	7.29				
118	Secondary market yields on FHA mortgages (Lg,Lg,Lg).....	10.24	10.88	11.16	10.88	10.55	10.08	9.61	9.95	9.73	9.69	9.72	10.01	10.22	10.30					
109 ♦	Average prime rate charged by banks (Lg,Lg,Lg).....	10.87	10.93	11.50	11.50	11.50	11.07	10.98	10.50	10.50	10.50	10.50	10.50	10.11	10.00	10.00				
66	Outstanding debt:																			
66	Consumer installment credit outstanding, mil.\$ (L,Lg,Lg).....	716,508	687,397	691,162	693,911	698,132	700,849	700,344	703,001	704,371	707,562	712,160	716,508	720,307	723,723					
72	Commercial and industrial loans outstanding, mil.\$ (L,Lg,Lg) §	436,323	418,469	422,476	427,230	436,051	438,335	441,710	448,583	447,928	448,259	448,236	448,154	452,847	458,247	467,297				
101 ♦	Commercial and industrial loans outstanding, mil. 1982\$ (L,Lg,Lg) §	388,688	377,680	378,902	380,436	385,204	388,251	391,587	400,521	398,512	397,393	397,725	396,596	394,123	400,566	409,192				
95 ♦	Ratio, consumer installment credit outstanding to personal income, percent (Lg,Lg,Lg).....	15.81	15.91	15.85	15.82	15.88	15.87	15.76	15.77	15.77	15.72	15.68	15.70	15.66	15.62					
1.9 Alternative Composite Indexes																				
990	CIBCR long-leading composite index, 1967=100 ¹	223.0	219.4	216.0	220.3	221.6	223.0	223.0	225.1	225.8	224.5	227.5	229.0	232.6	228.2	227.2				
991	CIBCR short-leading composite index, 1967=100 ¹	202.7	201.8	201.9	203.7	201.7	202.1	201.5	203.7	204.6	204.0	203.0	202.4	201.2	201.5	203.8				
2. OTHER IMPORTANT ECONOMIC MEASURES																				
2.1 Savings																				
290	Gross saving, bil.\$, AR	701.7	693.5			695.8			709.9			707.5								
295	Business saving, bil.\$, AR	601.8	586.4			593.0			614.5			613.4								
292	Personal saving, bil.\$, AR	204.4	205.7			200.7			195.1			216.0				215.5				
298 ♦	Government surplus or deficit, bil.\$, AR	-104.6	-98.7			-97.9			-99.8			-121.9								
293 ♦	Personal saving rate, percent	5.4	5.6			5.4			5.1			5.6				5.4				
2.2 Prices, Wages, and Productivity																				
Price Movements																				
310	Implicit price deflator for gross national product, 1982=100	126.3	124.5			125.9			126.9			127.9				129.7				
311	Percent change from previous quarter, AR	4.1	4.0			4.6			3.2			3.2				5.7				
311	Fixed-weighted price index, gross domestic business product, 1982=100	127.5	125.6			127.2			128.0			129.1				131.2				
311	Percent change from previous quarter, AR	4.4	4.1			5.3			2.6			3.8				6.3				
320	Consumer Price Indexes for all urban consumers:																			
320	All items, 1982-84=100, NSA	124.0	121.6	122.3	123.1	123.8	124.1	124.4	124.6	125.0	125.6	125.9	126.1	127.4	128.0	128.7				
320	Percent change over 1-month span	4	4	5	7	4	2	3	0	2	5	3	4	1.1	.5	.5				
320	Percent change over 6-month span, AR	4.9	5.9	5.7	5.2	4.3	3.8	3.4	3.3	3.6	5.2	6.2	6.7							
323	All items less food and energy, 1982-84=100	129.0	127.2	127.8	128.1	128.6	129.0	129.5	129.7	130.1	130.7	131.2	131.6	132.4	133.1	134.0				
323	Percent change over 1-month span .....	.4	.5	.5	.2	.4	.3	.3	.4	.2	.3	.4	.4	.6	.7	.7			
323	Percent change over 6-month span, AR	4.5	4.7	4.7	4.3	4.0	3.6	4.1	4.1	4.1	4.5	5.3	6.1							
336	Producer Price Indexes:																			
336	Finished goods, 1982=100	113.5	111.9	112.4	113.1	113.9	114.0	113.6	113.3	114.1	114.7	114.8	115.5	117.6	117.4					
336	Percent change over 1-month span	4	.6	4	.6	7	.7	.1	-.4	-.3	.7	.1	.6	1.8	.2	.2				
337	Percent change over 6-month span, AR	5.0	7.8	7.4	4.4	2.5	3.0	2.8	1.6	2.6	7.2	7.7	5.9							
337	Finished goods less foods and energy, 1982=100	122.1	120.5	120.7	120.8	121.5	122.3	122.1	122.7	123.2	123.5	123.8	124.3	124.4	124.9	125.3				
334	Percent change over 1-month span .....	.4	.6	.2	.1	.6	.7	.2	-.5	.4	.2	.2	.4	.1	.4	.3			
334	Percent change over 6-month span, AR	4.0	4.8	5.3	3.9	3.7	4.2	4.5	3.8	3.3	3.8	3.6	3.4							
334	Finished consumer goods, 1982=100	112.1	110.5	111.0	111.9	112.9	112.8	112.1	111.6	112.5	113.3	113.3	114.1	116.9	116.7	116.3				
334	Percent change over 1-month span .....	.5	.8	.5	.8	.9	-.1	-.6	-.4	-.8	.7	0	.7	2.5	-.2	-.3			
333	Capital equipment, 1982=100	118.7	117.3	117.5	117.4	118.1	118.8	118.9	119.3	120.1	120.0	120.4	120.6	120.9	121.2	121.7				
333	Percent change over 1-month span .....	.3	.4	.2	-.1	.6	.6	.1	-.3	.3	-.1	.3	.2	.2	.2	.4			
332	Intermediate materials, supplies, and components, 1982=100	112.0	111.2	111.9	112.5	112.6	112.3	112.1	1											

Series no.	Series title and timing classification	Year	1989											1990			
		1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.*	
2. OTHER IMPORTANT ECONOMIC MEASURES — Continued																	
2.2 Prices, Wages, and Productivity — Continued																	
345	Wages and Productivity																
	Index of average hourly compensation, all employees, nonfarm business sector, 1977=100.	208.5	204.6				207.4			209.9			213.0				
	Percent change from previous quarter, AR	5.4	5.1				5.6			5.0			6.0				
346	Index of real average hourly compensation, all employees, nonfarm business sector, 1977=100.	101.9	101.7				101.6			102.1			102.6				
	Percent change from previous quarter, AR	.6	-3				-4			2.1			1.9				
370	Index of output per hour, all persons, business sector, 1977=100.	114.2	113.8				114.2			114.7			114.7				
♦	Percent change over 1-quarter span, AR	1.1	1.1				1.6			1.5			.2				
358	Percent change over 4-quarter span, AR		1.1				1.1										
	Index of output per hour, all persons, nonfarm business sector, 1977=100.	112.1	111.6				111.9			112.6			112.7				
2.3 Labor Force and Employment																	
441	Civilian labor force, thous.	123,869	123,117	123,245	123,615	123,551	124,111	124,013	124,070	124,023	124,148	124,488	124,546	124,397	124,630	124,829	
442	Civilian employment, thous.	117,342	116,757	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863	118,035	118,334	
451	Civilian labor force participation rates (percent): Males 20 years and over	78.1	78.0	78.0	78.2	77.9	78.3	78.0	77.9	78.0	78.0	78.0	78.1	77.8	77.9	77.9	
452	Females 20 years and over	57.7	57.5	57.5	57.6	57.6	57.7	57.8	57.7	57.7	57.5	57.8	57.8	57.8	57.9	57.9	
453	Both sexes 16-19 years of age	55.9	55.0	55.2	55.7	55.5	56.4	55.6	56.5	55.7	56.3	56.6	56.1	55.2	55.1	56.4	
2.4 Government Activities																	
517	Defense indicators:																
525	Defense Department gross obligations incurred, mil.\$	360,980	30,254	30,599	30,408	29,633	30,259	31,199	29,634	30,232	31,145	26,377	29,228	35,483			
543	Defense Department prime contract awards, mil.\$															12,887	
	Defense Department gross unpaid obligations outstanding, mil.\$	209,027	224,553	219,856	222,194	221,337	216,120	220,028	217,509	214,486	218,190	211,677	209,027	214,526			
548	Manufacturers' new orders, defense products, mil.\$	107,325	8,159	10,461	8,551	7,572	8,938	7,626	7,956	10,639	9,571	11,267	9,770	6,488	7,685	7,343	
557	Index of industrial production, defense and space equipment, 1987=100, §	97.4	96.6	96.1	97.1	97.6	98.3	98.7	98.9	98.9	96.6	96.7	96.6	97.5	97.6	96.6	
570	Employment, defense products industries, thous.	1,520	1,529	1,529	1,528	1,530	1,526	1,522	1,515	1,513	1,507	1,507	1,505	1,503	1,504		
564 ♦	Federal Government purchases of goods and services, national defense, bil.\$, AR	302.2	298.7		301.3				307.8						309.0		
2.5 U.S. International Transactions																	
602	Exports, excluding military aid shipments, mil.\$	363,978	28,582	31,058	30,969	30,578	31,208	29,662	30,248	30,367	31,473	30,627	30,842	31,939	31,629		
604	Exports of domestic agricultural products, mil.\$	40,295	3,201	3,666	3,387	3,618	3,638	3,657	3,139	3,274	3,173	3,243	3,156	3,543	3,270		
606	Exports of nonelectrical machinery, mil.\$	73,118	5,990	6,162	6,150	4,937	6,382	6,371	6,290	6,413	6,412	6,230	6,443	7,001	6,779		
612	General imports, mil.\$	472,977	37,502	39,977	38,615	40,955	39,702	39,216	40,424	38,524	41,915	40,739	38,522	41,261	38,116		
614	Imports of petroleum and petroleum products, mil.\$	49,373	3,326	4,095	4,730	4,680	4,001	4,130	4,227	4,000	4,141	4,154	4,270	5,881	5,126		
616	Imports of automobiles and parts, mil.\$	69,679	6,326	6,282	5,869	5,770	5,289	5,621	5,426	6,215	5,894	5,705	5,655	5,203	5,432		
618 ♦	Merchandise exports, adjusted, excluding military, mil.\$ ¹	361,872	87,783		91,284				90,691				92,114				
620 ♦	Merchandise imports, adjusted, excluding military, mil.\$ ¹	475,120	116,138		118,813				119,249				120,920				
622	Balance on merchandise trade, mil.\$ ¹	-113,248	-28,355		-27,529				-28,558				-28,806				
2.6 International Comparisons																	
Industrial Production Indexes (1987=100) §																	
47 ♦	United States	108.1	107.6	107.7	108.6	108.3	108.4	107.8	108.2	108.2	107.7	108.1	108.6	107.2	108.1	108.8	
721 ♦	OECD, European Countries ²	108	106	107	109	106	108	109	109	109	110	110	111	111	117.3	116.2	
728	Japan	115.7	112.4	118.4	114.1	114.8	117.1	114.2	117.6	115.8	115.8	116.8	116.9	116.9	117.3		
729	Federal Republic of Germany	108	106	106	109	104	108	110	110	110	110	110	111	111			
726	France	108	107	106	109	108	109	109	109	108	109	109	109	109			
722 ♦	United Kingdom	104	103	104	105	102	103	104	106	105	106	106	105	105			
727 ♦	Italy	109.9	110.3	107.7	108.5	106.6	109.5	110.6	109.2	109.0	110.7	111.4	116.5	108.6			
723 ♦	Canada	107.3	107.2	106.9	107.7	107.9	107.5	107.2	107.5	107.8	106.4	107.1	107.7	105.8	105.5		
Consumer Price Indexes (1982-84=100)																	
320	United States, NSA	124.0	121.6	122.3	123.1	123.8	124.1	124.4	124.6	125.0	125.6	125.9	126.1	127.4	128.0	128.7	
738 ♦	Percent change over 6-month span, AR	4.9	5.9	5.2	4.3	3.8	3.4	3.3	3.6	5.2	6.2	6.7					
738	Japan, NSA	108.1	105.7	106.2	108.1	108.7	108.6	108.4	108.3	109.2	110.0	108.9	109.0	109.2			
735 ♦	Percent change over 6-month span, AR	3.4	4.0	4.4	4.4	4.4	4.4	3.2	1.3	1.3	2.6	3.3					
736 ♦	Federal Republic of Germany, NSA	109.2	108.3	108.5	109.1	109.3	109.4	109.2	109.2	109.4	109.7	109.9	110.2	110.9	111.3	111.4	
736 ♦	Percent change over 6-month span, AR	2.9	4.0	2.8	2.0	2.0	2.0	1.8	2.4	2.8	3.5	3.1					
732	France, NSA	128.7	126.8	127.2	128.0	128.5	128.7	129.0	129.2	129.5	130.1	130.3	130.5	130.8	131.1		
732	United Kingdom, NSA	133.5	131.4	131.9	134.3	135.1	135.6	135.7	136.1	137.0	138.1	139.2	139.6	140.4	141.2	142.6	
737	Italy, NSA	150.4	147.3	148.0	149.0	149.6	150.3	150.7	150.9	151.6	153.1	153.7	154.4	155.3	156.4		
733	Canada, NSA	129.3	6.9	7.4	7.0	6.4	6.0	5.7	5.4	5.5	5.4	5.9					
733 ♦	Percent change over 6-month span, AR	5.3	6.2	7.2	6.4	5.8	6.1	5.7	4.4	3.1	4.8	5.1	4.6				
Stock Price Indexes (1967=100, NSA)																	
19 ♦	United States	351.2	319.8	318.4	328.8	341.5	352.2	361.1	377.0	377.8	377.9	370.1	379.2	369.8	359.5	368.2	
748 ♦	Japan	2,236.3	2,237.4	2,188.6	2,231.0	2,284.3	2,241.9	2,287.9	2,383.6	2,378.2	2,417.0	2,468.4	2,589.4	2,498.2	2,427.8	2,175.1	
745 ♦	Federal Republic of Germany (d. mark)	310.5	284.2	287.3	295.9	309.7	313.4	314.9	328.6	338.2	327.3	318.1	343.1	370.8	384.6	392.9	
746 ♦	France	868.8	814.5	810.8	838.9	847.3	885.0	890.5	904.1	934.0	902.3	889.0	909.7	900.4	856.2	853.0	
742	United Kingdom	1,062.8	1,007.8	1,029.5	1,023.5	1,053.6	1,065.6	1,107.8	1,149.9	1,155.9	1,065.6	1,053.6	1,113.8	1,125.8			
747 ♦	Italy	451.2	411.7	409.6	426.8	422.2	447.0	476.9	506.4	510.8	464						

FOOTNOTES FOR PAGES C-1 THROUGH C-5

a	Anticipated.	NSA	Not seasonally adjusted.
AR	Annual rate.	p	Preliminary.
©	Copyrighted.	r	Revised.
e	Estimated.	♦	Graph included for this series.
c	Corrected.	§	Major revision—see notes.
*	Available data for later period(s) listed in notes.		

L,C,Lg Cyclical indicator series are classified as L (leading), C (coincident) or Lg (lagging) at reference cycle peaks, troughs, and overall. Series classifications are shown in parentheses at the end of series titles.

‡ Cyclical indicator series denoted by ‡ are “inverted”—the sign is reversed—for cyclical analysis calculations, including classification and contributions to composite indexes. “Highs” for these series reflect the sign reversal (i.e., these “highs” are lows for the actual series).

† Cyclical indicator series denoted by † are smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

For information on composite indexes and other concepts used in this section, see “Composite Indexes of Leading, Coincident, and Lagging Indicators” in the November 1987 issue of the SURVEY OF CURRENT BUSINESS (pages 24–27), and “Business Cycle Indicators: Revised Composite Indexes” in the January 1989 issue of the SURVEY (pages 23–28).

Unless otherwise noted, all series in this section are seasonally adjusted. References to these series use the prefix “BCI-”.

Percent change data are centered within the spans: 1-month changes are placed in the ending month, 3-month changes are placed in the 3d month, 6-month changes are placed in the 4th month, 1-quarter changes are placed in the ending quarter, and 4-quarter changes are placed in the 3d quarter.

Diffusion indexes are defined as the percent of components rising plus one-half of the percent of components unchanged.

High values of cyclical indicators since the last reference cycle trough (November 1982) are bolded; high values occurring prior to the period shown in the table are listed in the notes for each page.

Sources for series in this section are shown on pages C-27 and C-28.

Page C-1

NOTE.—The following series reached current high values before February 1989: BCI-910 (146.0) in January 1989 and BCI-940 (116.1) in January 1984.

1. Excludes BCI-57, for which data are not available.

2. Excludes BCI-77 and BCI-95, for which data are not available.

Page C-2

NOTE 1.—The following series reached current high values before February 1989: BCI-5 (290) in October 1988; BCI-60 (0.736), BCI-7 (113.53), and BCI-8 (92.64) in December 1988; BCI-46 (162) in November 1987; BCI-92 change (8.31), BCI-92 smoothed (4.40), BCI-58 (101.0), and BCI-83 (97.7) in March 1984; BCI-82 (85.1) in January 1989; BCI-32 (67.5) in November 1983; BCI-123 (124.3) in May 1983; BCI-13 (65,318) in December 1986; and BCI-9 (93.19) in September 1985.

NOTE 2.—Major data revisions: Industrial production and capacity utilization indexes (BCI series 47, 73-76, 82, and 557) have been revised by the source agency. These revisions reflect: (a) new benchmark data; (b) Census Bureau's 1982 indexes of production; (c) new series and structure modifications; (d) two new weight periods; and (e) a new reference base year (1987=100). The periods affected by these revisions are: 1945 forward for BCI-47, -73, -74, and -75; 1947 forward for BCI-76 and BCI-557; and 1967 forward for BCI-82. Further information concerning these revisions may be obtained from the Board of Governors of the Federal Reserve System, Division of Research and Statistics, Industrial Output Section, Washington, DC 20551.

* Advance value for April: BCI-32 = 47.6.

1. Data exclude Puerto Rico, which is included in figures published by the source agency.

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Page C-3

NOTE 1.—The following series reached current high values before February 1989: BCI-87 (151.4) in 2d Q 1985; BCI-28 (2,260) and BCI-29 (158.5) in February 1984; BCI-89 (200.3) in 4th Q 1986; BCI-30 (83.4) and BCI-22 (6.9) in 1st Q 1984; BCI-31 (93.7) in October 1987; BCI-77 (1.58) and BCI-62 change (29.1) in March 1986; BCI-62 smoothed (6.3) in January 1985; BCI-99 change (3.21) in August 1983; BCI-99 smoothed (2.09) in November 1983; BCI-120 change (8.4) in July 1984; BCI-120 smoothed (5.8) in September 1984; BCI-16 (175.6) in 4th Q 1988; BCI-18 (151.8) and BCI-35 (424.9) in 3d Q 1988; BCI-81 (8.6) and BCI-26 (99.8) in 3d Q 1985; BCI-85 (2.66) in December 1986; BCI-102 (2.67) in January 1983; BCI-105 (637.4) in July 1988; and BCI-106 (2,472.5) in June 1988.

NOTE 2.—Major data revisions:

Index of industrial production, business equipment (BCI-76)—see Note 2 for page C-2.

Manufacturing and trade inventories in current dollars (BCI-31) has been revised by the source agency from 1982 forward to incorporate revised data on merchandise wholesale and retail inventories. Further information concerning this revision may be obtained from the U.S. Department of Commerce, Bureau of the Census, Business Division, Washington, DC 20233.

The index of labor cost per unit of output (BCI-62) has been revised and rebased from 1947 forward to incorporate the revision of the industrial production index for manufacturing. (See Note 2 on page C-2.) Further information concerning this revision may be obtained from the U.S. Department of Commerce, Bureau of Economic Analysis, Business Outlook Division, Washington, DC 20230.

* Preliminary values for selected series: 2nd quarter (planned).—BCI-61 = 509.08, BCI-100 = 499.41. April.—BCI-23 = 310.9, BCI-19 = 338.94, BCI-85 = 0.51.

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Page C-4

NOTE 1.—The following series reached current high values before February 1989: BCI-107 (7,034) in 4th Q 1984; BCI-112 (114.13) and BCI-111 (23.2) in June 1984; BCI-113 in (132.08) in September 1985; BCI-110 (897.756) in 4th Q 1985; BCI-14 (829.2) in July 1983; BCI-39 (1.78) in February 1984; BCI-93 (−2,380) and BCI-94 (8,017) in August 1984; BCI-119 (11.64), BCI-114 (10.49), and BCI-109 (13.00) in August 1984; BCI-116 (14.49), BCI-115 (13.00), and BCI-117 (10.67) in June 1984; BCI-118 (15.01) in May 1984; and BCI-95 (15.96) in January 1989.

NOTE 2.—Major data revisions:

Series that include data on commercial paper issued by nonfinancial companies (BCI-72, -101, -111, and -112) have been revised from 1987 forward to reflect a new seasonal adjustment by the source agency. Further information concerning these revisions may be obtained from the Federal Reserve Bank of New York, Market Reports Division, 33 Liberty Street, New York, NY 10045.

The series on free reserves (BCI-93) has been revised by the source agency from 1959 forward to reflect an adjustment in reserve requirements, a minor definitional change, data correction, and the application of new seasonal adjustment factors. Further information concerning this revision may be obtained from the Board of Governors of the Federal Reserve System, Division of Research and Statistics, Banking Section, Washington, DC 20551.

* Preliminary April values for selected series: BCI-119 = 8.27, BCI-114 = 7.78, BCI-117 = 7.38, BCI-116 = 10.02, BCI-115 = 8.90, and BCI-109 = 10.00.

1. These indexes are compiled by Columbia University's Center for International Business Cycle Research (CIBCR), Graduate School of Business, Columbia University, New York, NY 10027. The components of each index are:

Long-leading index: Building permits for new private housing units (BCI-29), bond prices (Dow-Jones & Company), ratio of price to unit labor cost in manufacturing (CIBCR), and deflated M2 money supply (BCI-106).

Short-leading index: Average weekly hours in manufacturing (BCI-1), average weekly initial claims for unemployment insurance (BCI-5), layoff rate under 5 weeks (CIBCR), deflated new orders for consumer goods and materials (BCI-8), vendor performance (BCI-32), change in business population (CIBCR), deflated contracts and orders for plant and equipment (BCI-20), inventory change (National Association of Purchasing Management), change in industrial materials prices (*Journal of Commerce*), stock prices (BCI-19), and change in deflated total debt (CIBCR).

Page C-5

NOTE.—Major data revisions:

U.S. industrial production (BCI-557 and BCI-47).—See Note 2 for page C-2.

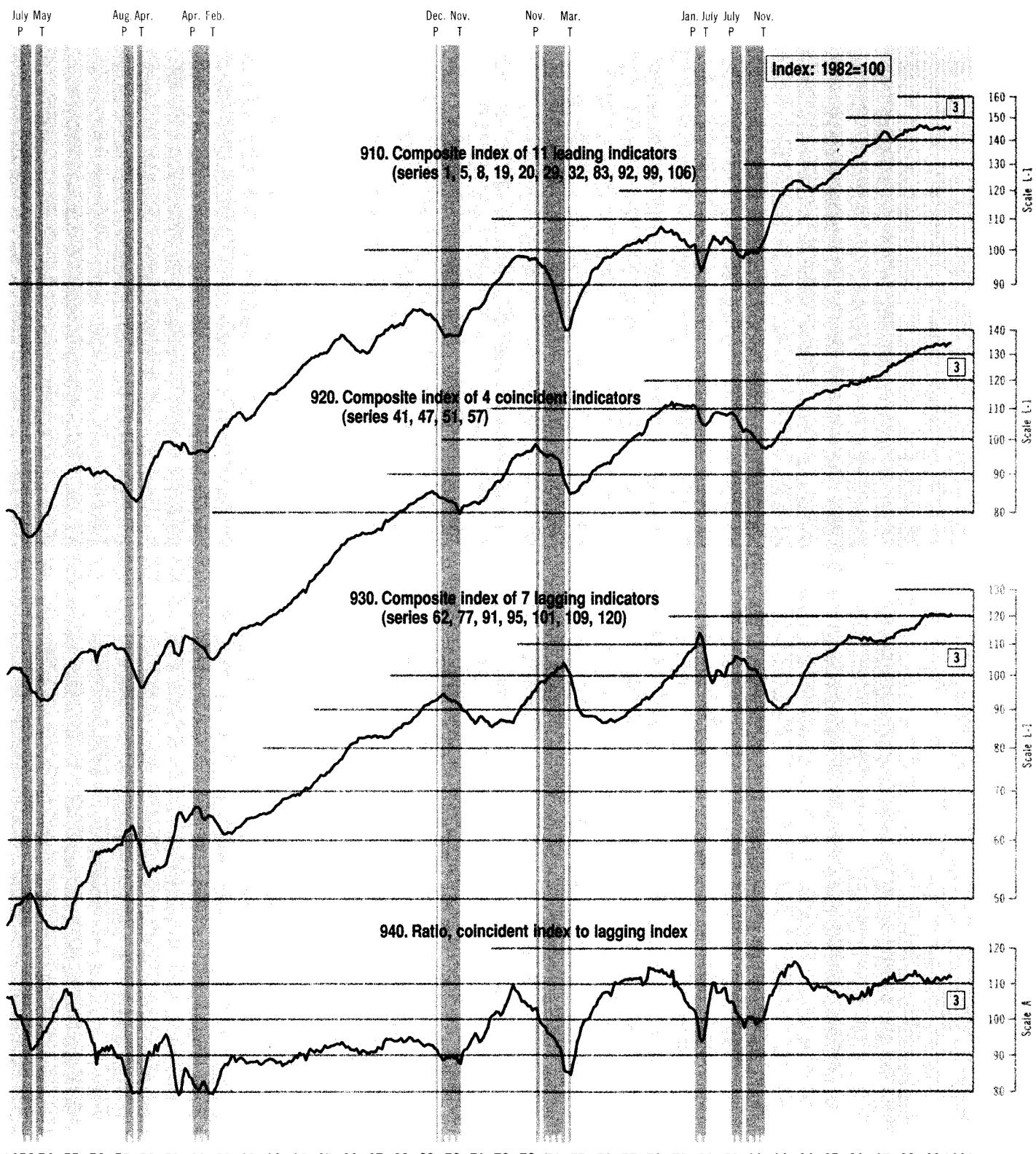
Foreign industrial production series (BCI-721, -728, -725, -726, -722, -727, and -723) have been rebased to 1987=100 to facilitate comparisons with revised industrial production data for the United States. See Note 2 for page C-2.

* Preliminary April values: BCI-19 = 368.7, BCI-748 = 1971.4, BCI-745 = 398.3, BCI-746 = 887.3, BCI-747 = 404.3, BCI-743 = 388.7, BCI-750 = 93.53, BCI-758 = 158.44, BCI-755 = 1,686.7, BCI-756 = 5,665.2, BCI-752 = 0.6108, BCI-757 = 1238.80, and BCI-753 = 1,164.0.

1. Balance of payments basis: Excludes transfers under military grants and Department of Defense sales contracts (exports) and Department of Defense purchases (imports).

2. Organisation for Economic Co-operation and Development.

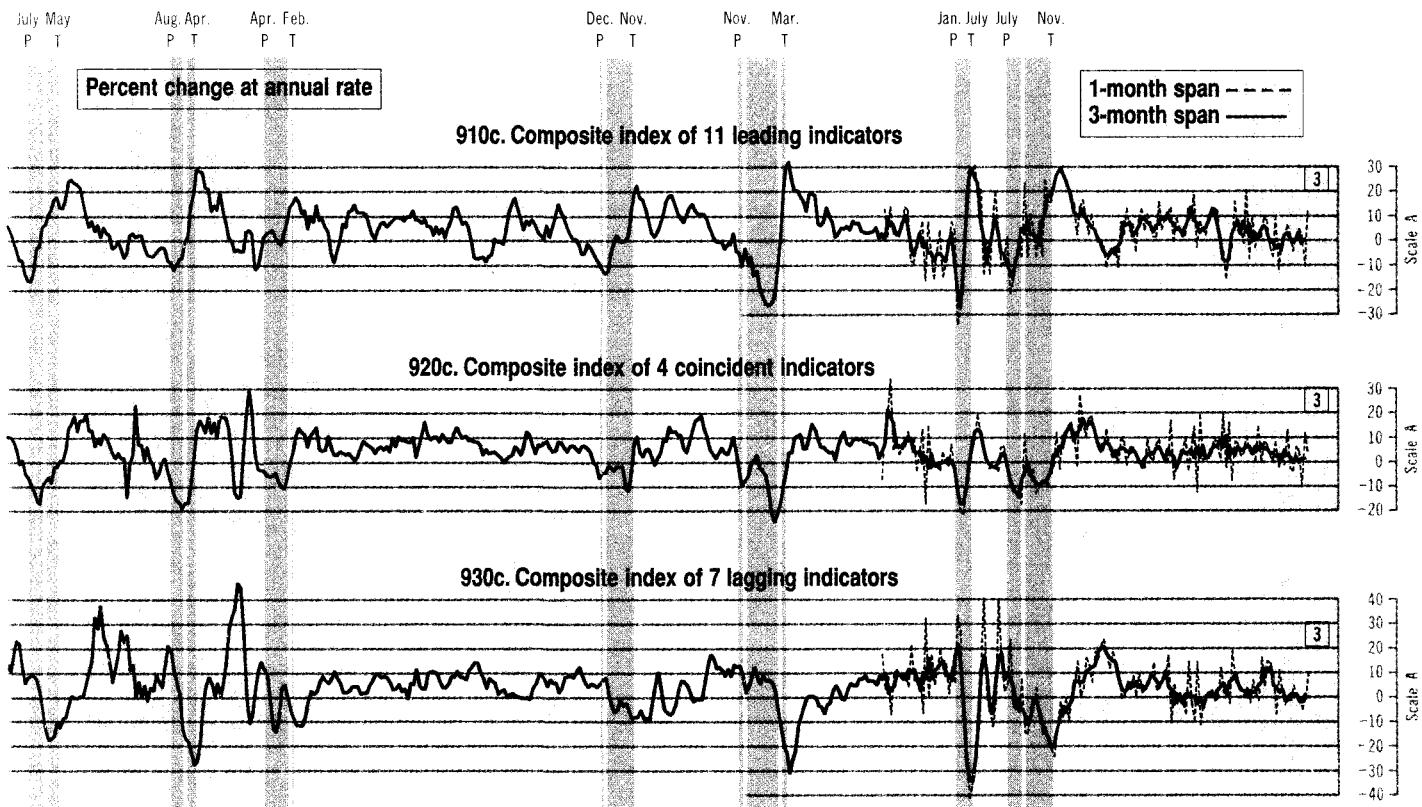
3. This index is the weighted-average exchange value of the U.S. dollar against the currencies of the other G-10 countries plus Switzerland. Weights are the 1972–76 global trade of each of the 10 countries. For a description of this index, see the August 1978 *Federal Reserve Bulletin* (p. 700).

CYCCLICAL INDICATORS**Composite Indexes**

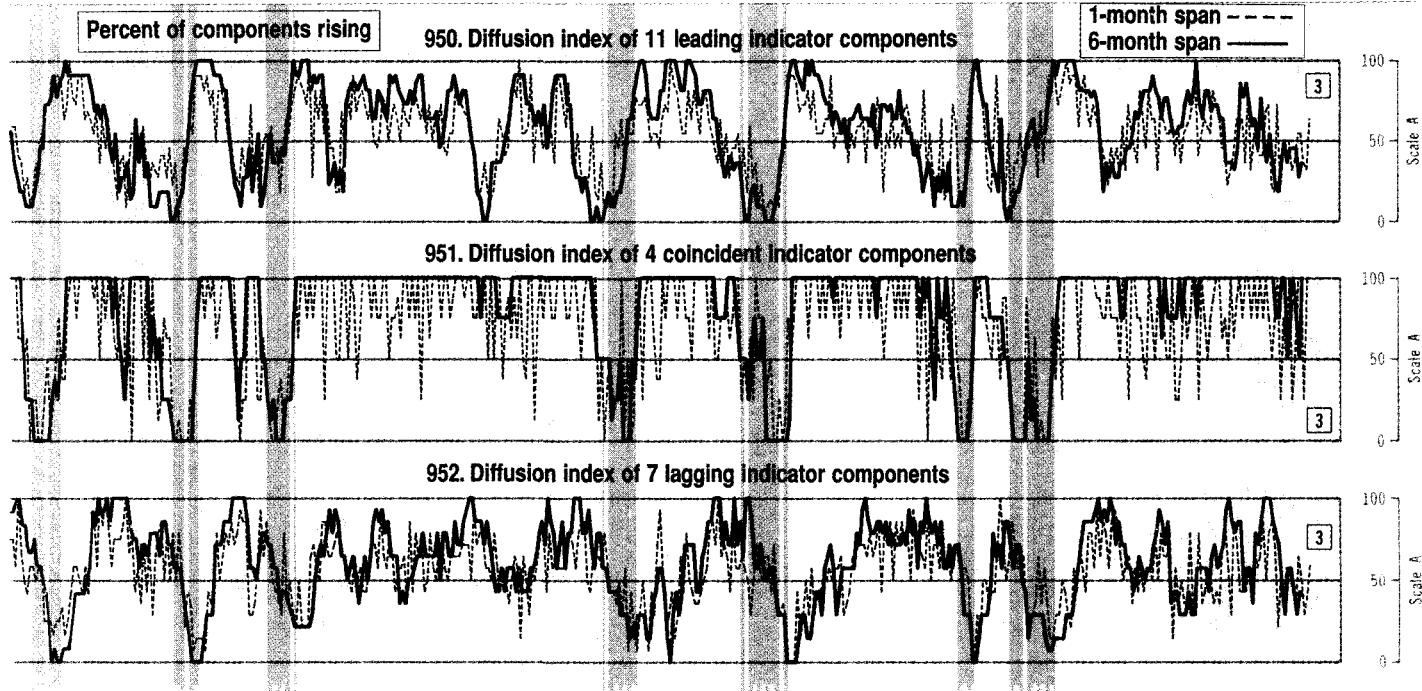
NOTE.—Current data for these series are shown on page C-1.

CYCICAL INDICATORS

Composite Indexes: Rates of Change



Composite Indexes: Diffusion

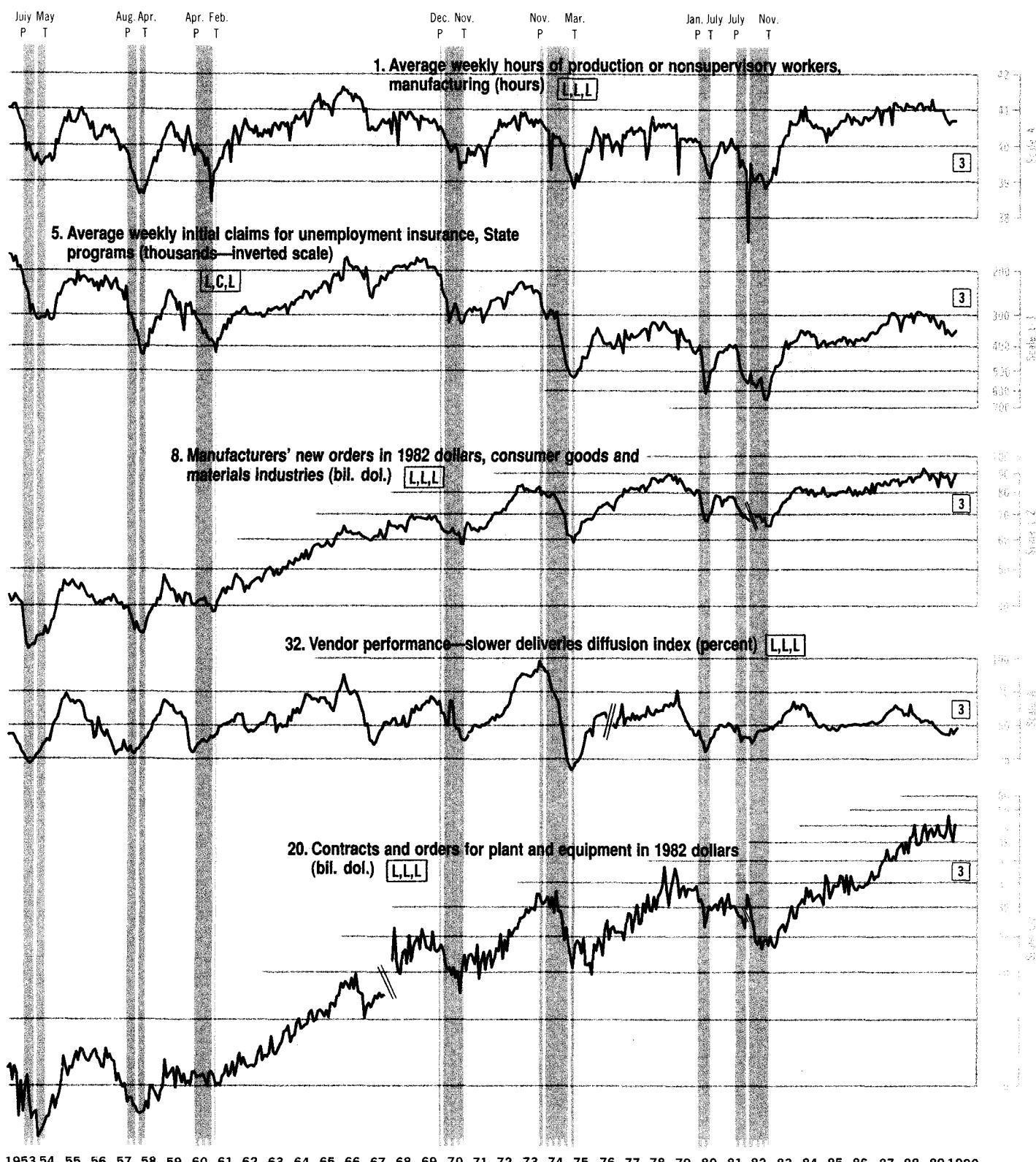


1953 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 1990

NOTE.—Current data for these series are shown on page C-1.

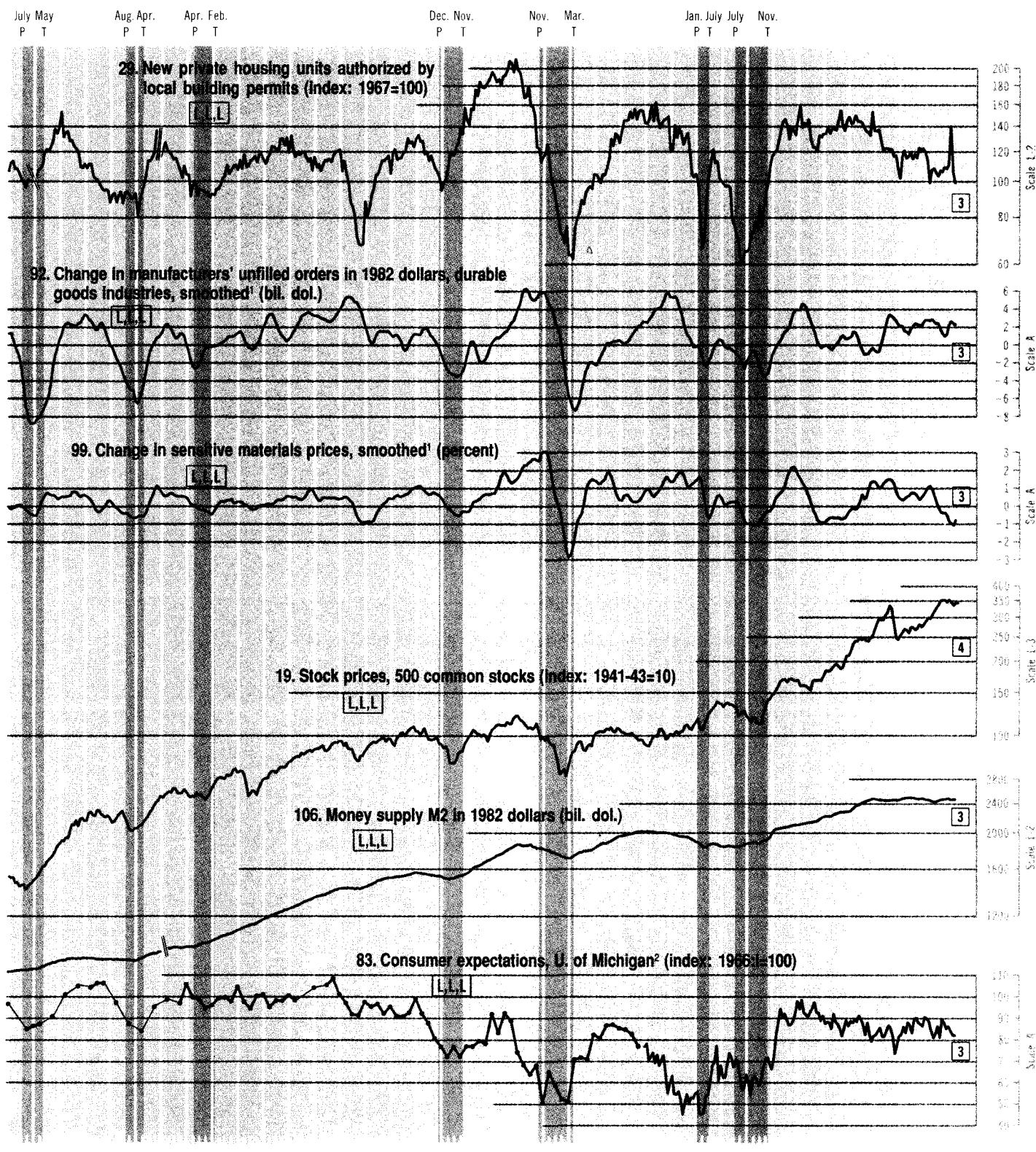
CYCICAL INDICATORS

Composite Indexes: Leading Index Components



1953 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 1990

NOTE.—Current data for these series are shown on page C-2.

CYCCLICAL INDICATORS**Composite Indexes: Leading Index Components—Continued**

1953 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 1990

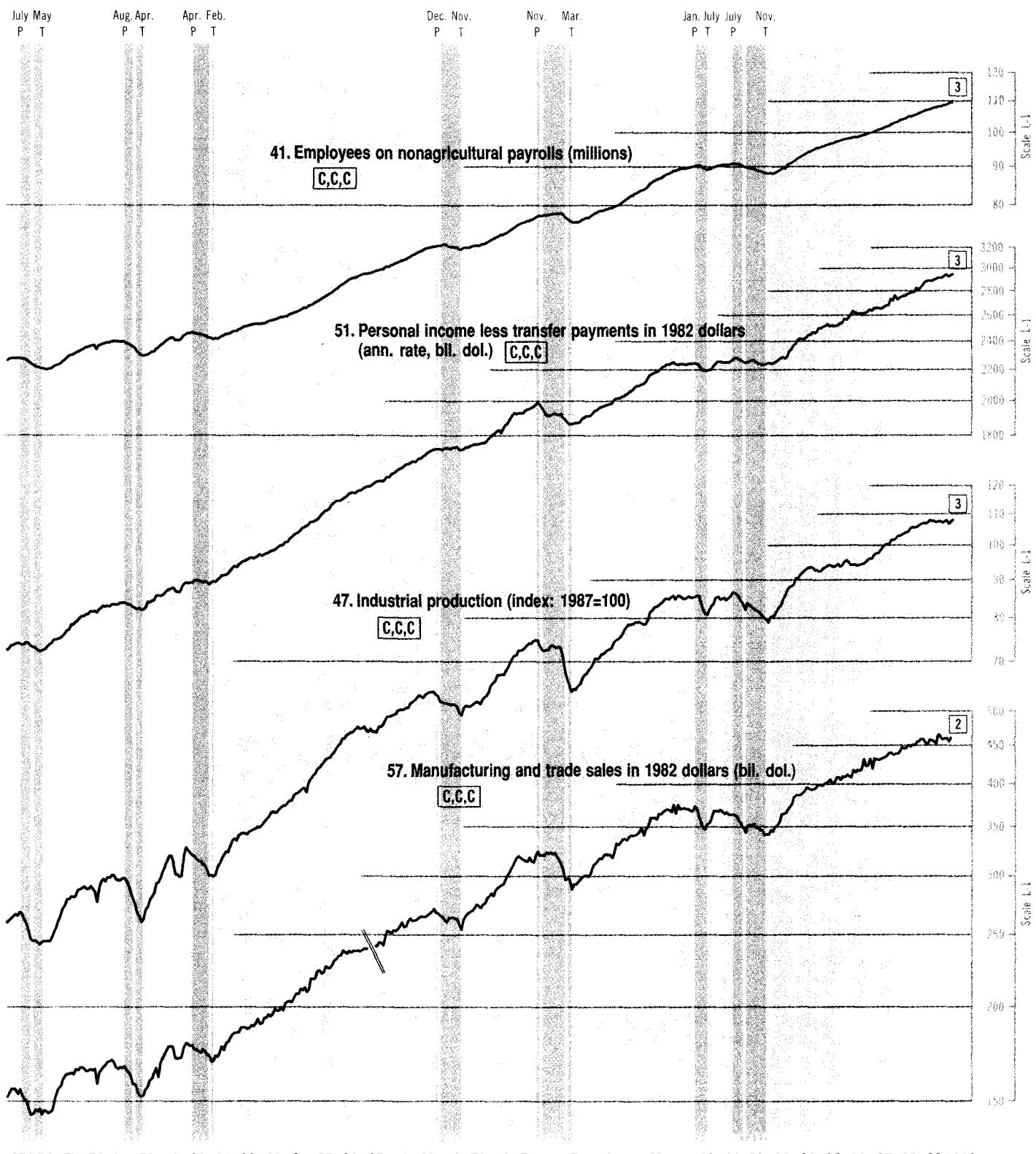
1. This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

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NOTE.—Current data for these series are shown on pages C-2 and C-3.

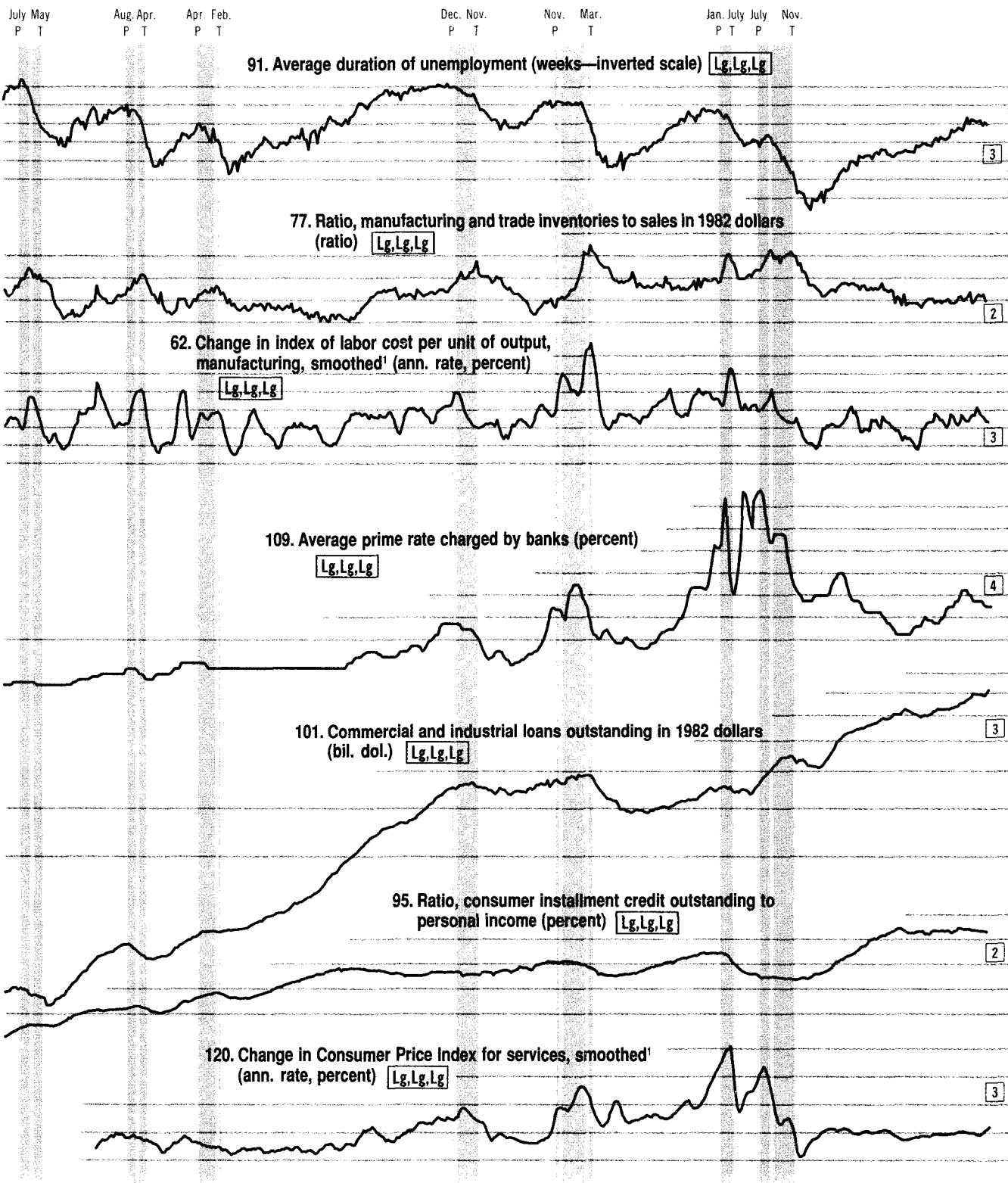
CYCICAL INDICATORS

Composite Indexes: Coincident Index Components



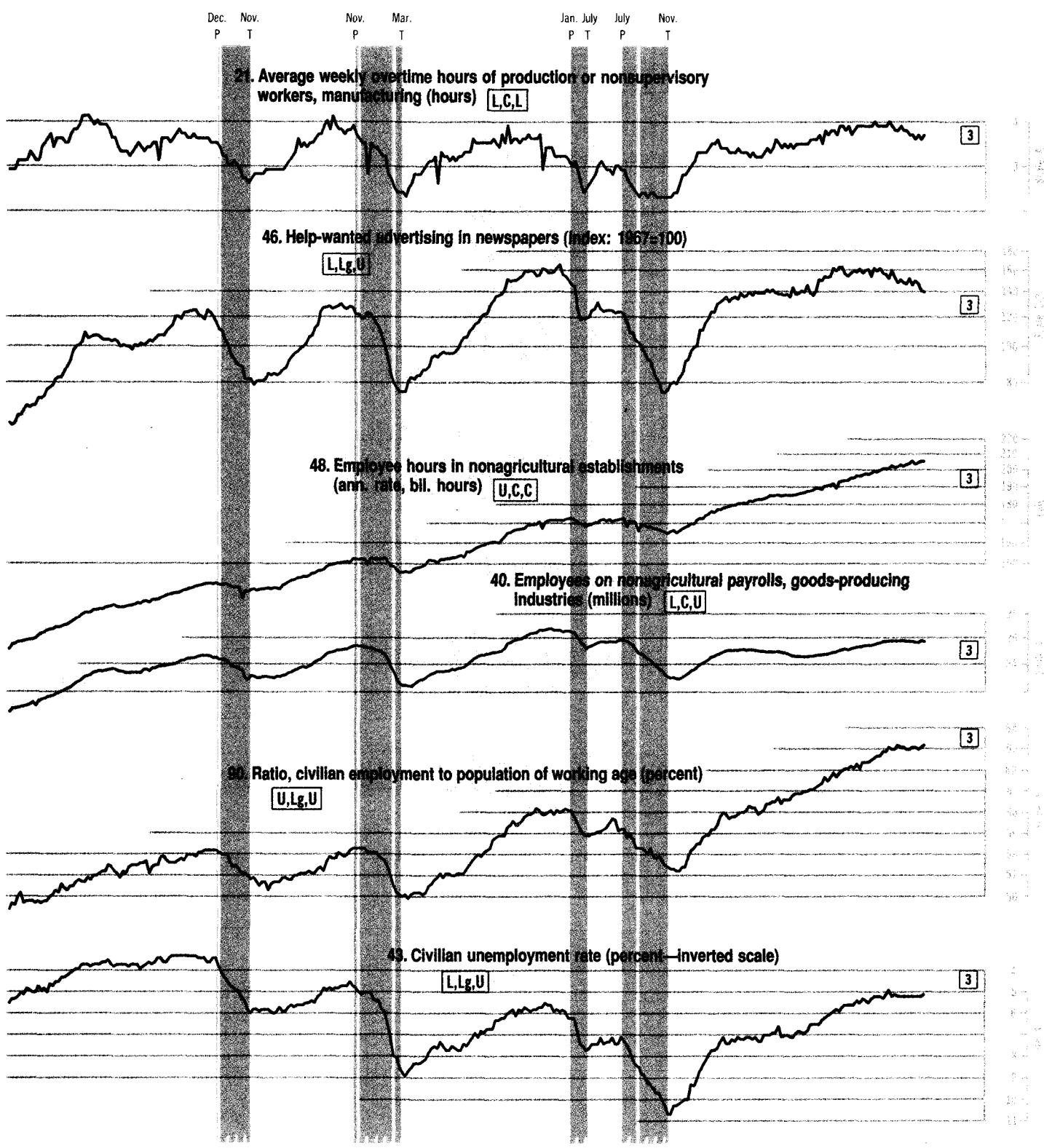
1953 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 1990

NOTE.—Current data for these series are shown on page C-2.

CYCICAL INDICATORS**Composite Indexes: Lagging Index Components**

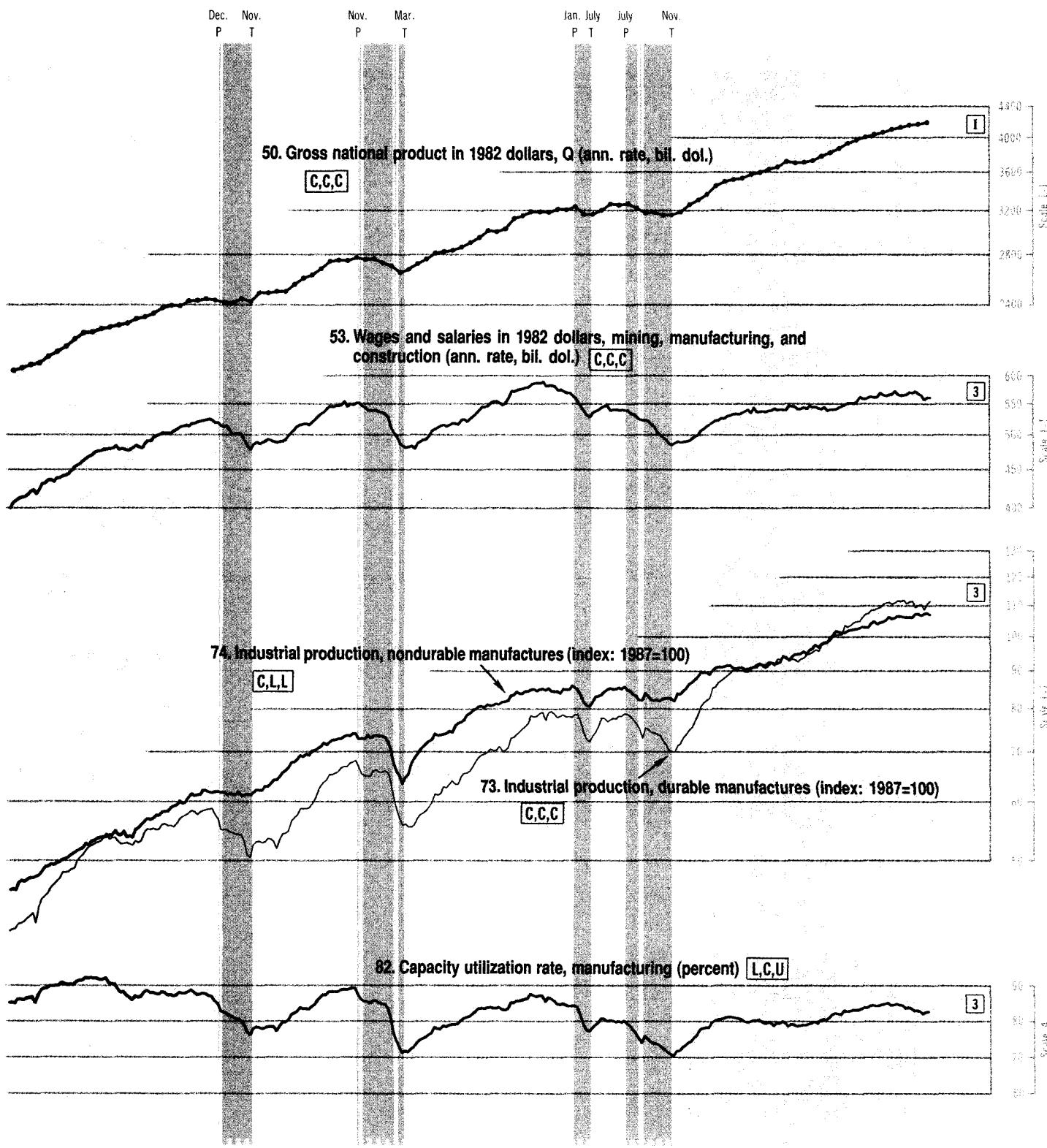
1953 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 1990

1. This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.
NOTE.—Current data for these series are shown on pages C-2, C-3, and C-4.

CYCCLICAL INDICATORS**Employment and Unemployment**

1964 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 1991

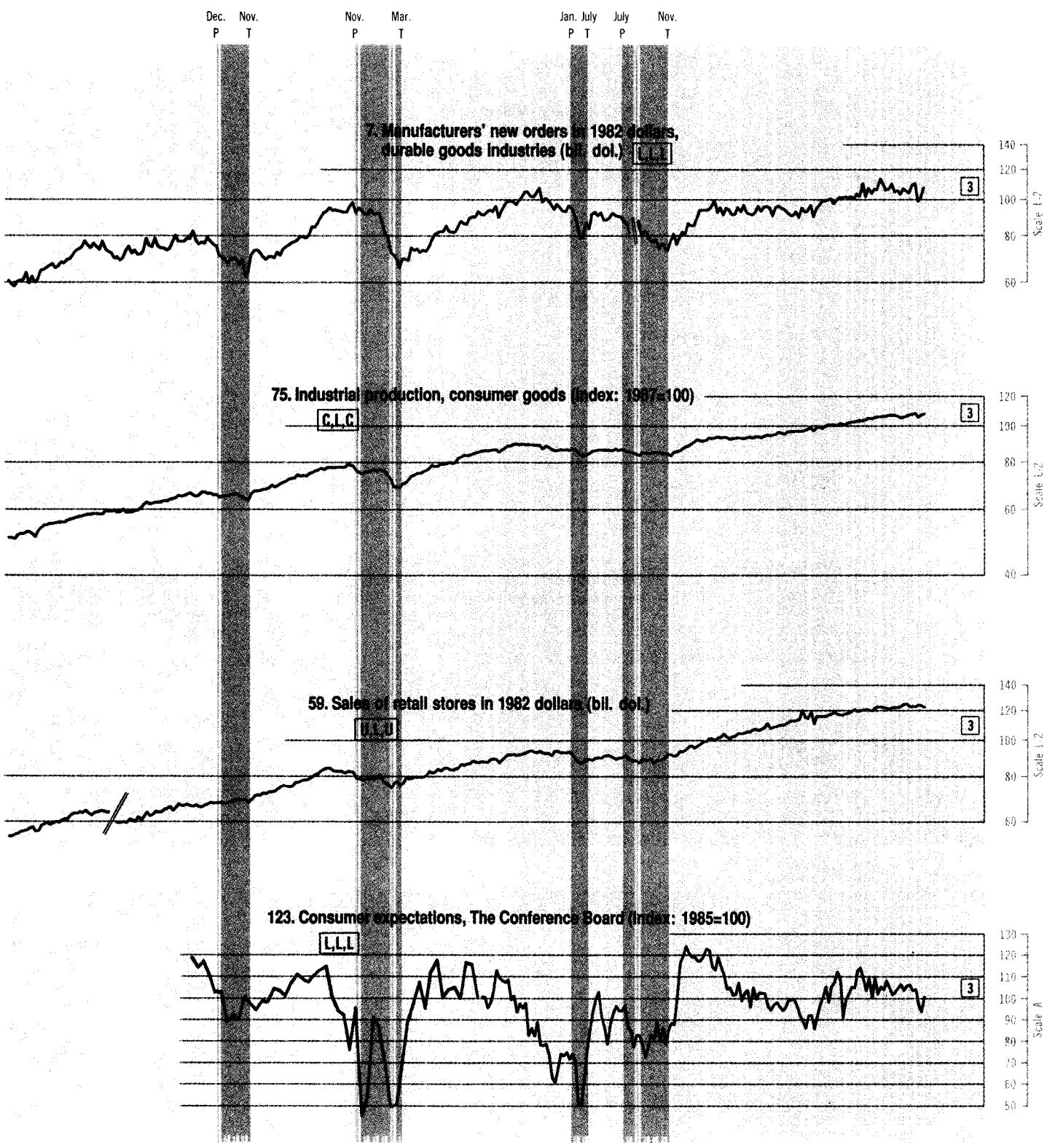
NOTE.—Current data for these series are shown on page C-2.

CYCCLICAL INDICATORS**Production and Income**

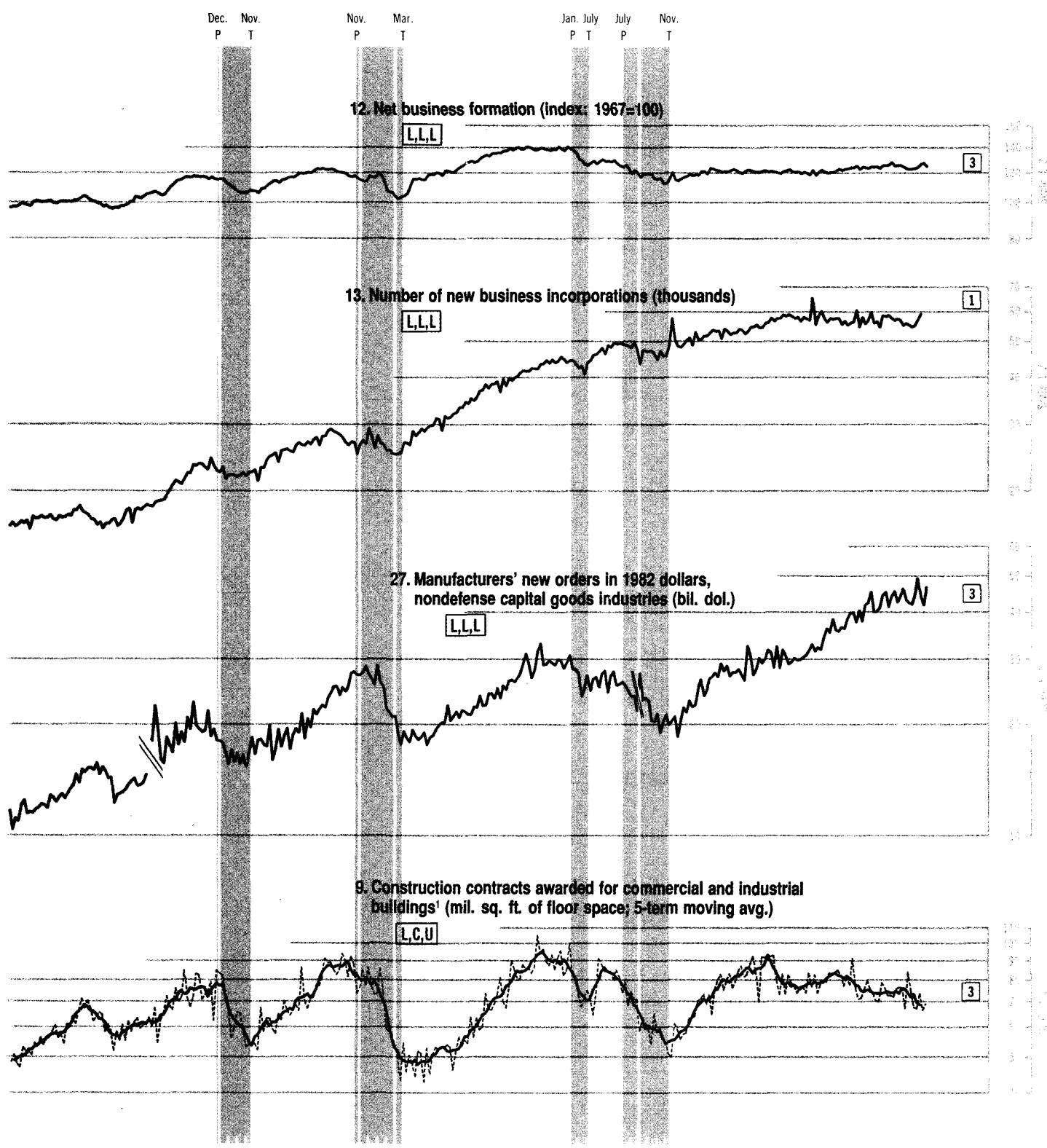
NOTE.—Current data for these series are shown on page C-2.

CYCCLICAL INDICATORS

Consumption, Trade, Orders, and Deliveries



NOTE.—Current data for these series are shown on page C-2.

CYCICAL INDICATORS**Fixed Capital Investment**

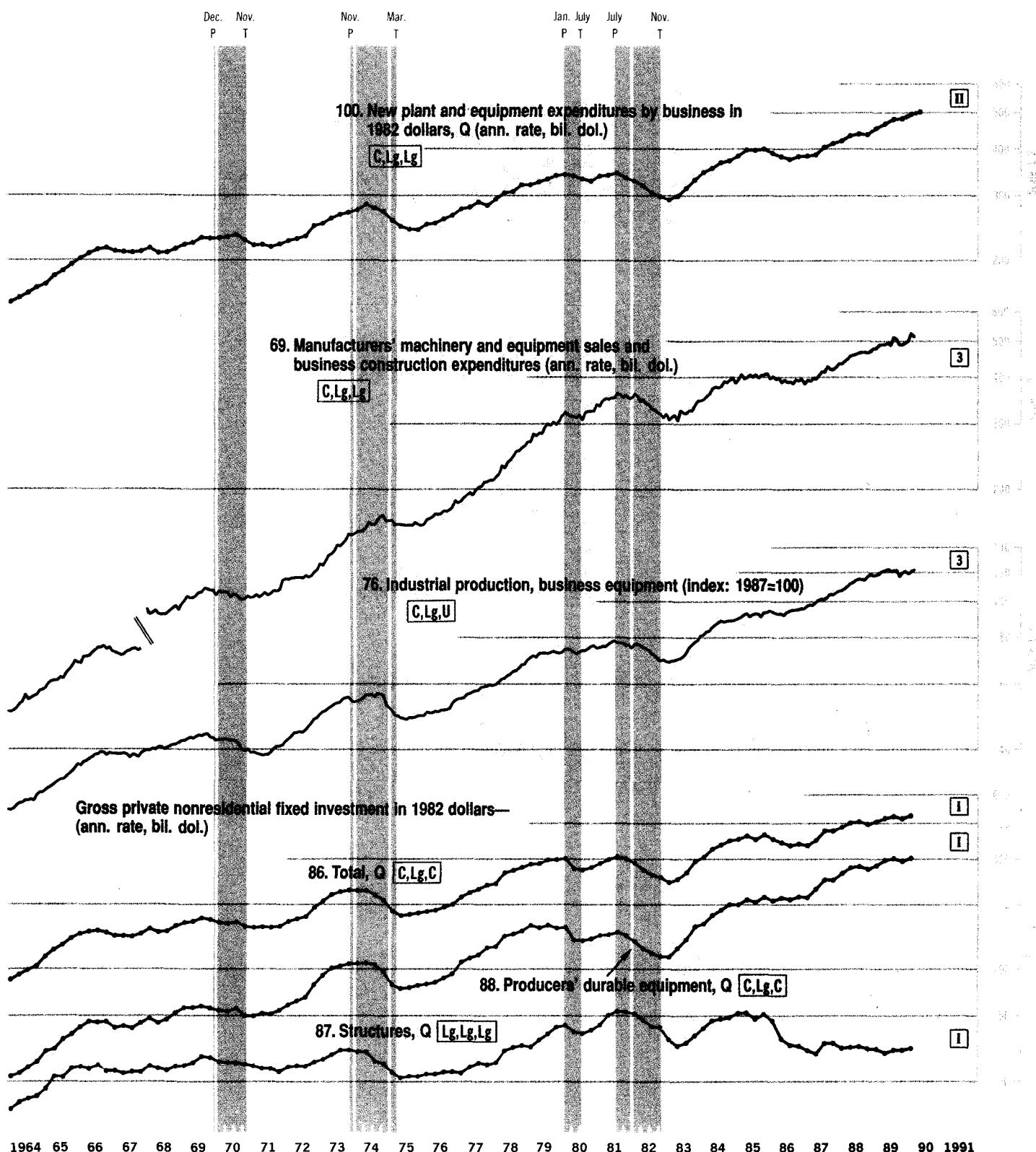
1964 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 1991

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NOTE.—Current data for these series are shown on page C-2.

CYCICAL INDICATORS

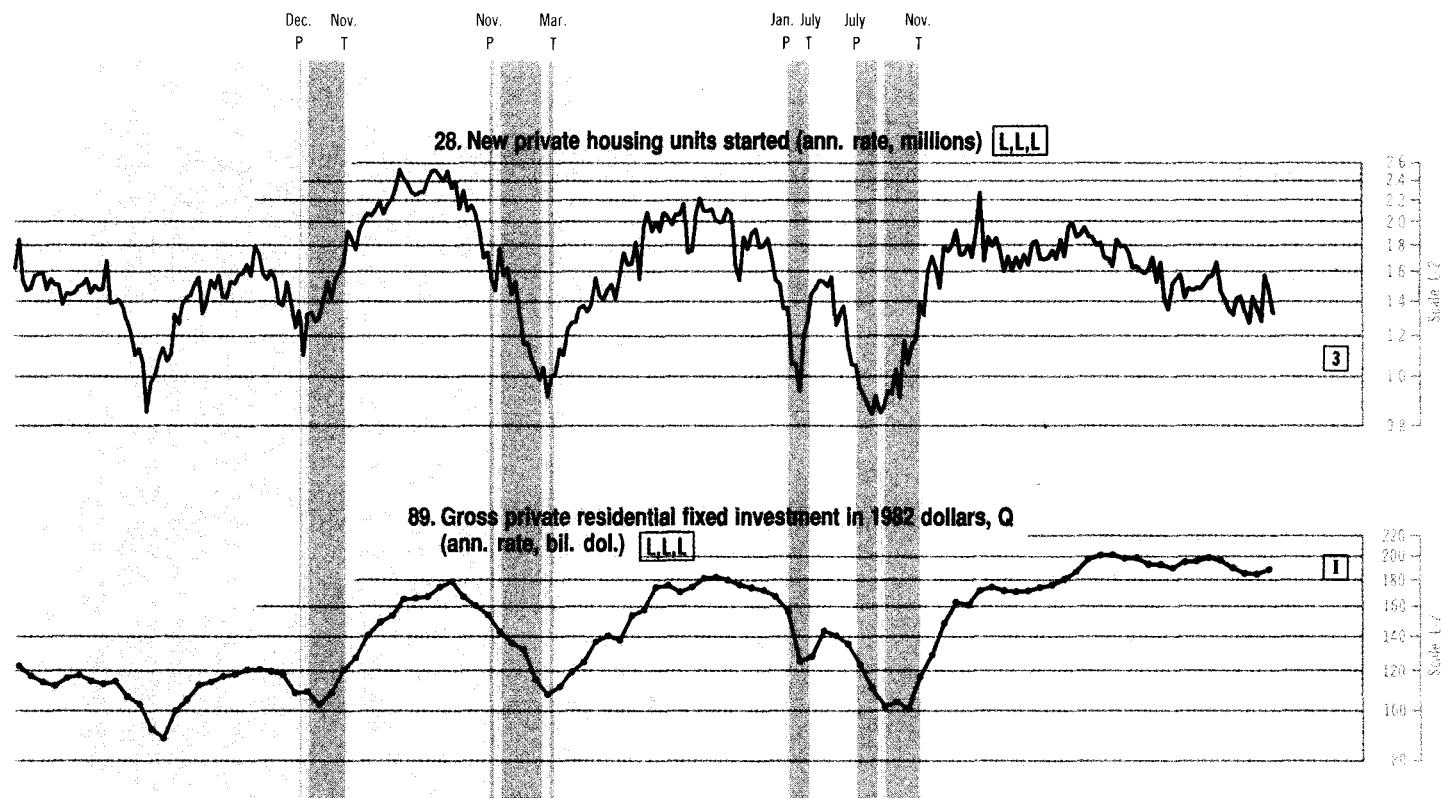
Fixed Capital Investment—Continued



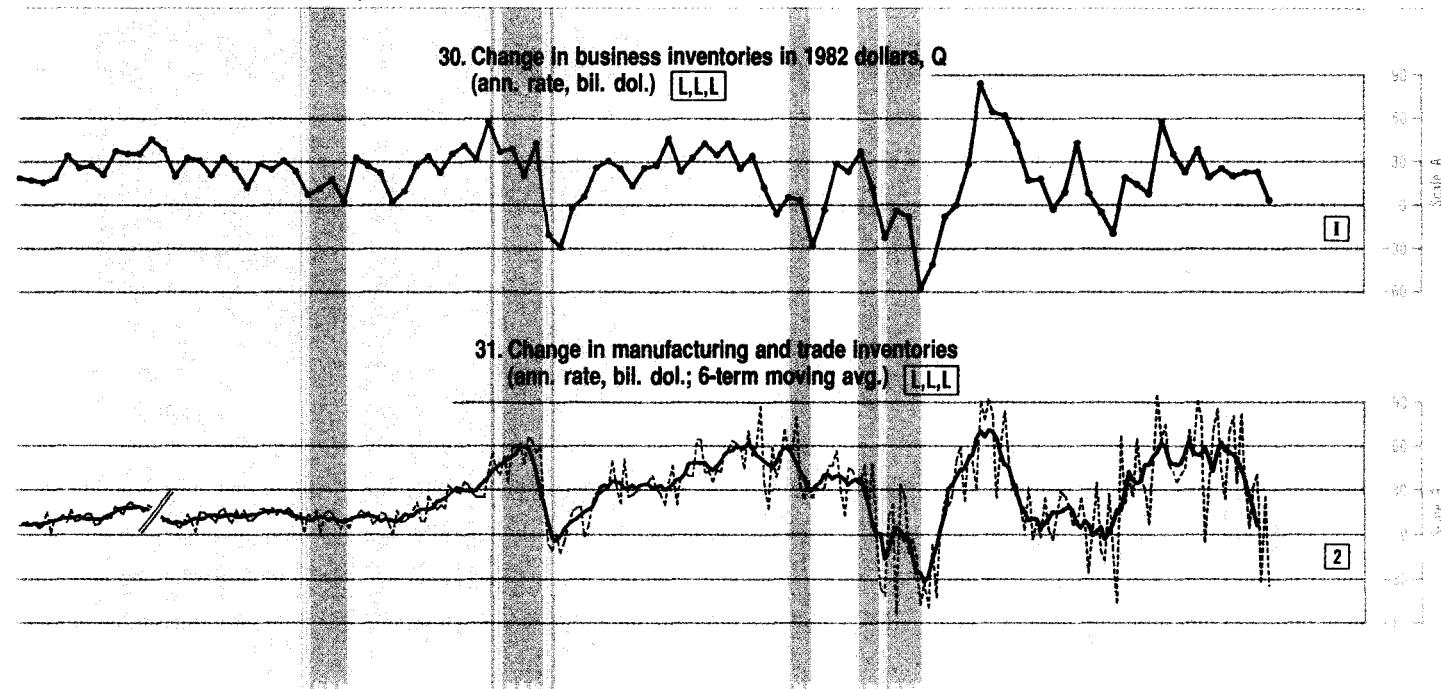
NOTE.—Current data for these series are shown on page C-3.

CYCICAL INDICATORS

Fixed Capital Investment—Continued



Inventories and Inventory Investment

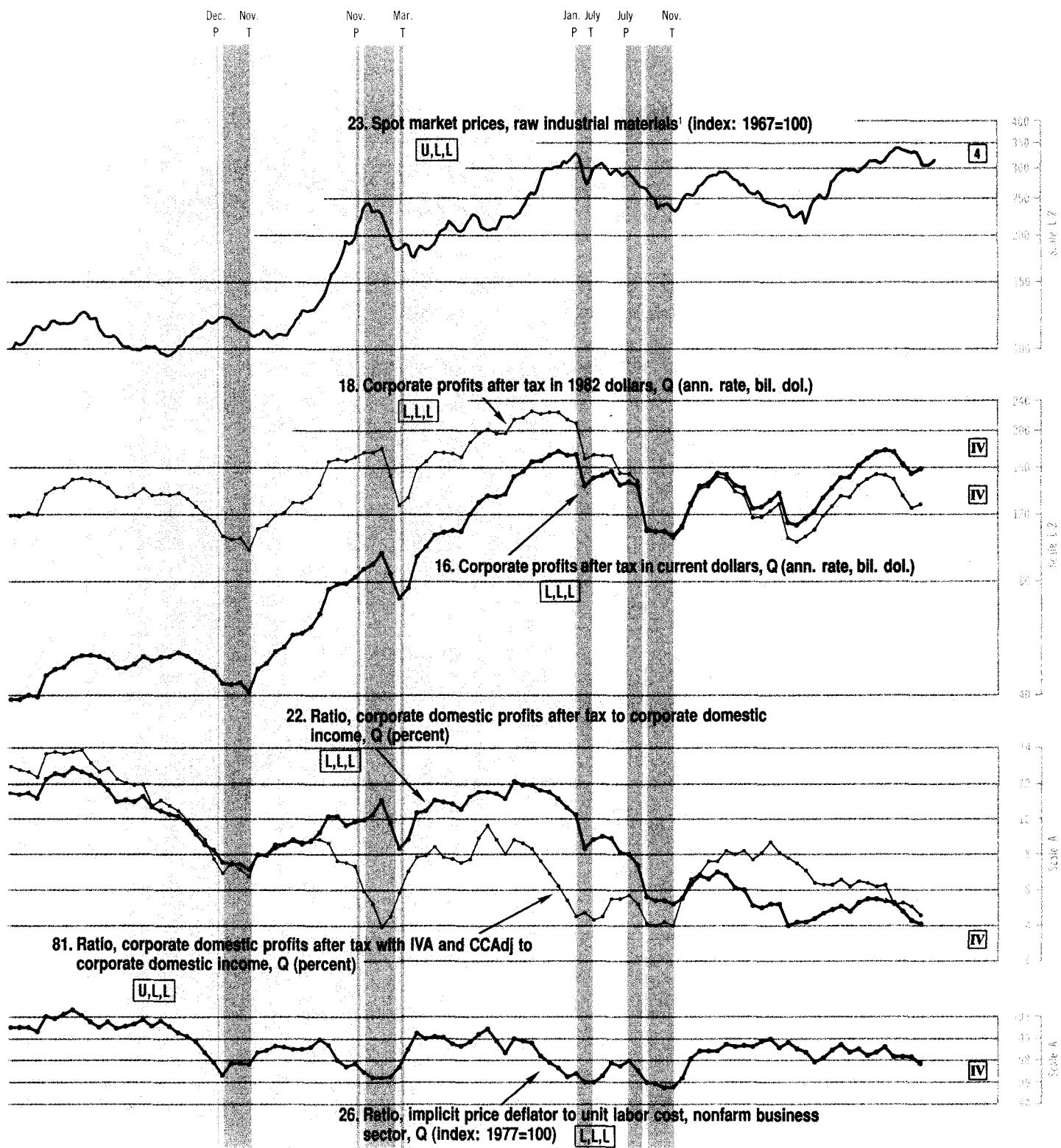


1964 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 1991

NOTE.—Current data for these series are shown on page C-3.

CYCCLICAL INDICATORS

Prices, Costs, and Profits

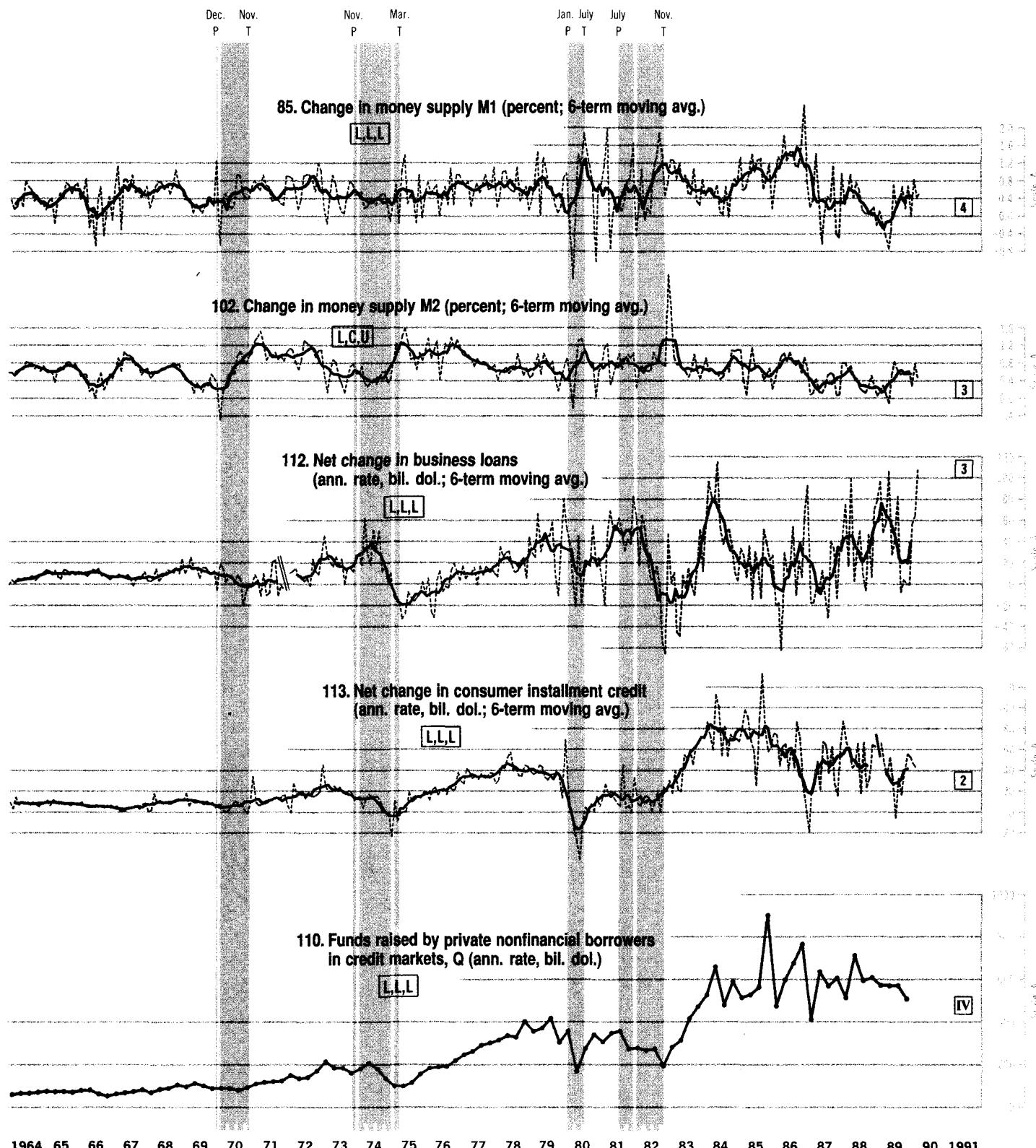


1964 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 1991

IVA Inventory valuation adjustment. CCAdj Capital consumption adjustment.

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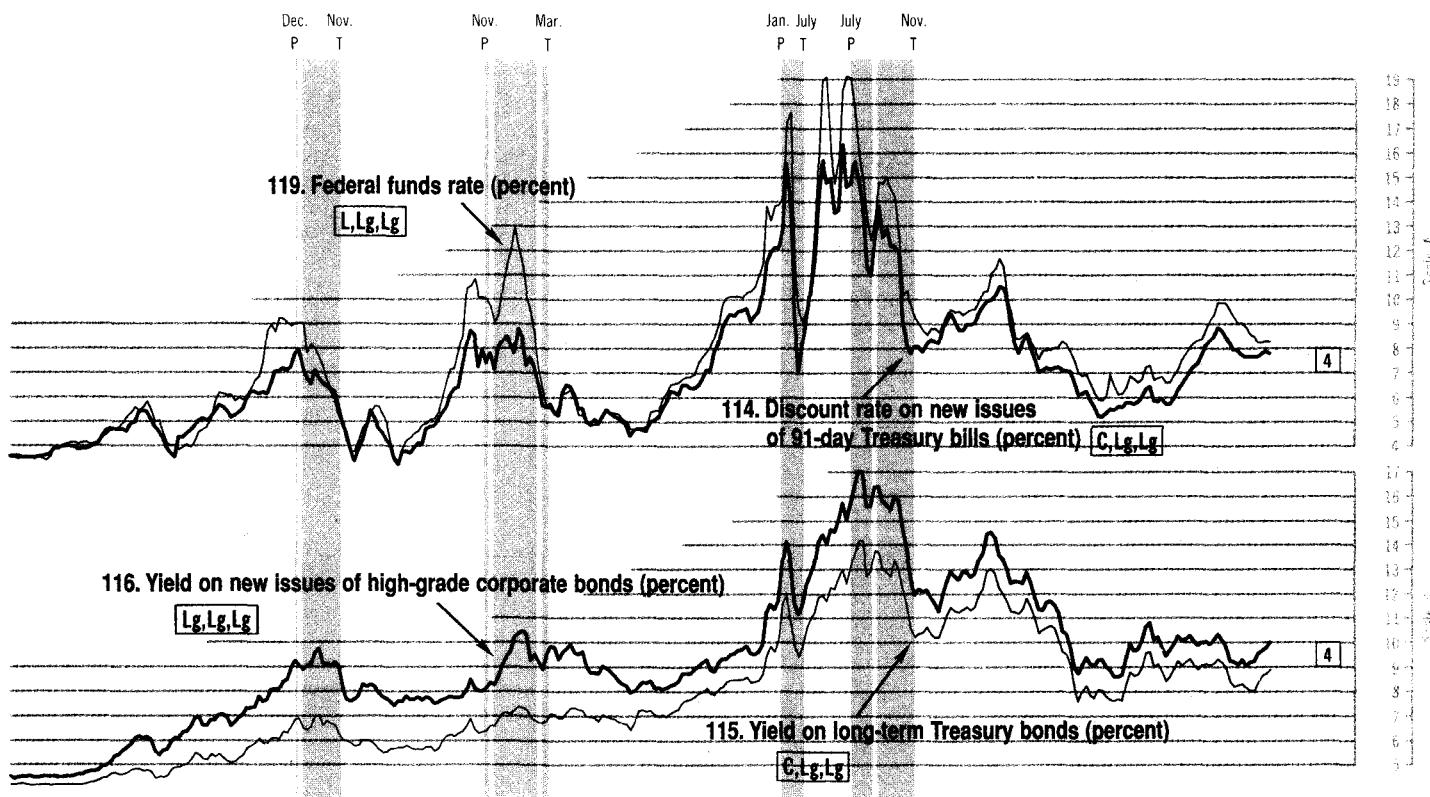
NOTE.—Current data for these series are shown on page C-3.

CYCICAL INDICATORS**Money and Credit**

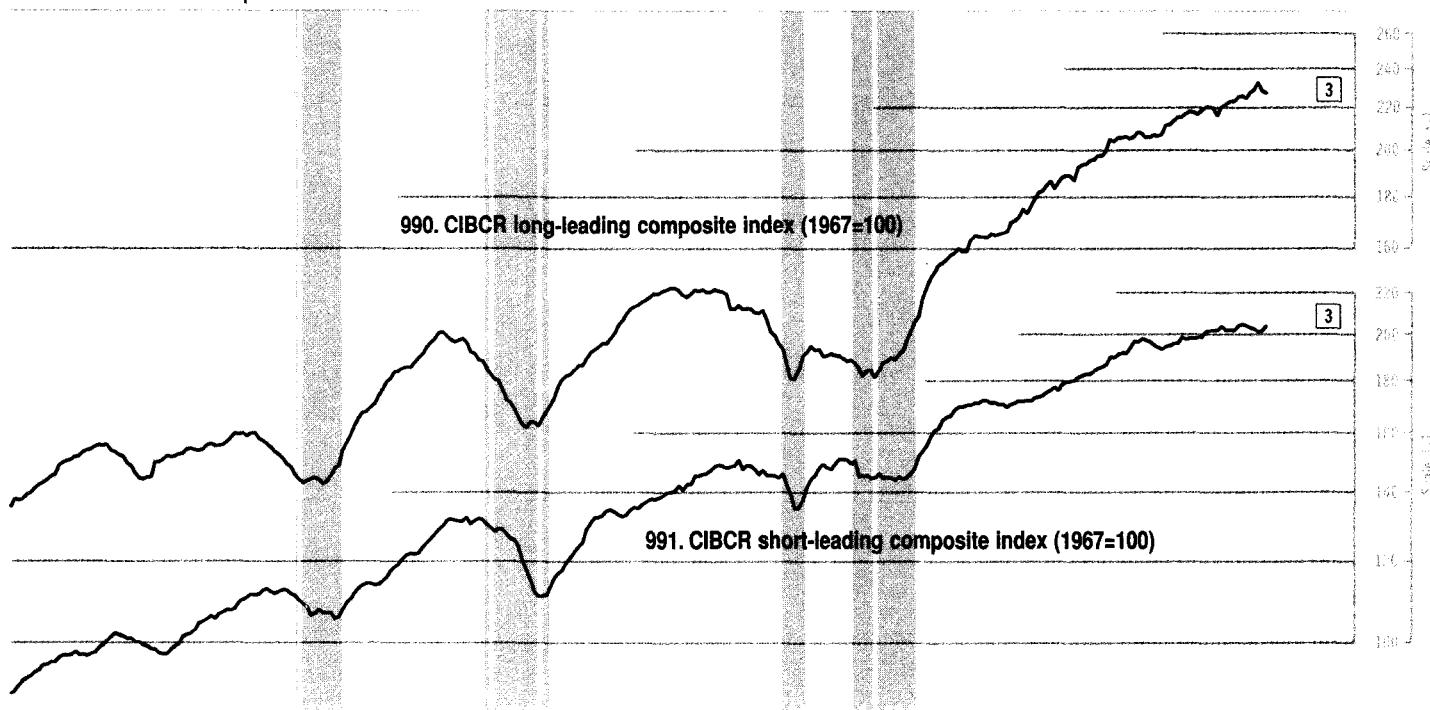
NOTE.—Current data for these series are shown on pages C-3 and C-4.

CYCICAL INDICATORS

Money and Credit—Continued



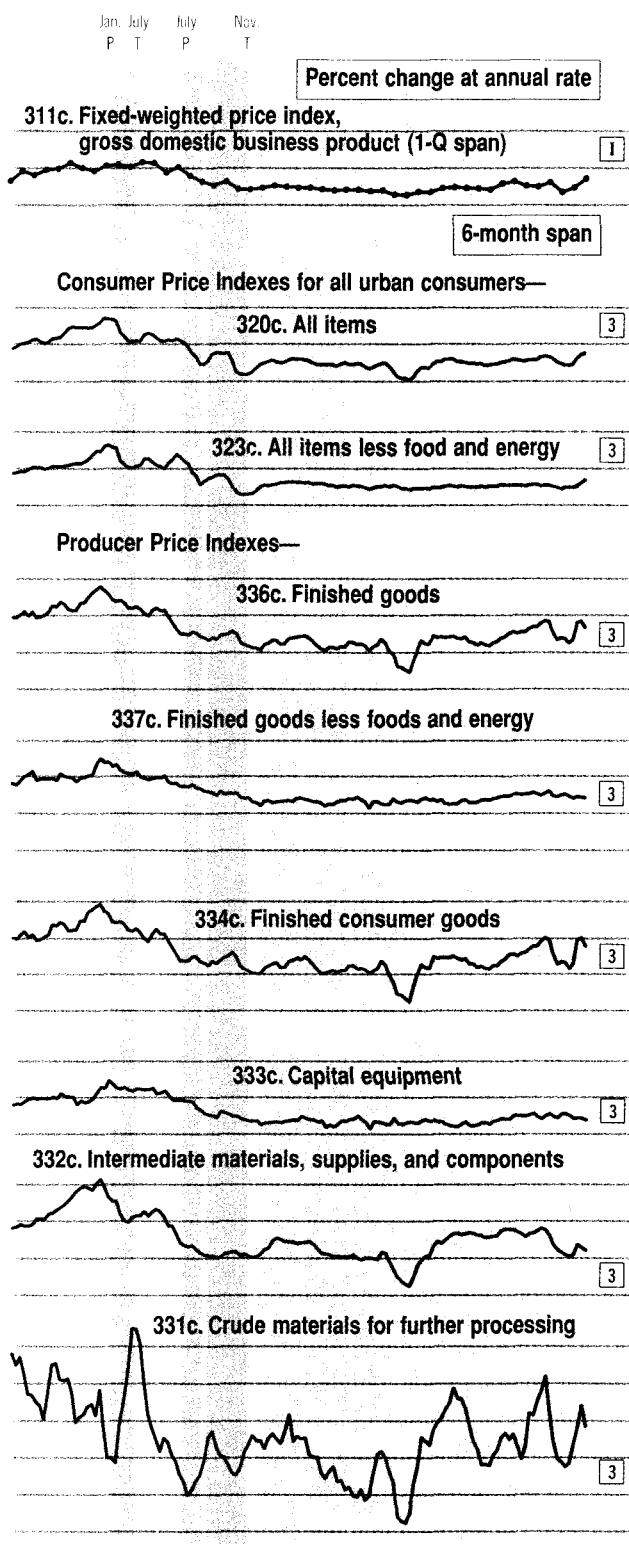
Alternative Composite Indexes



CIBCR Center for International Business Cycle Research (Columbia University).
NOTE.—Current data for these series are shown on page C-4.

OTHER IMPORTANT ECONOMIC MEASURES

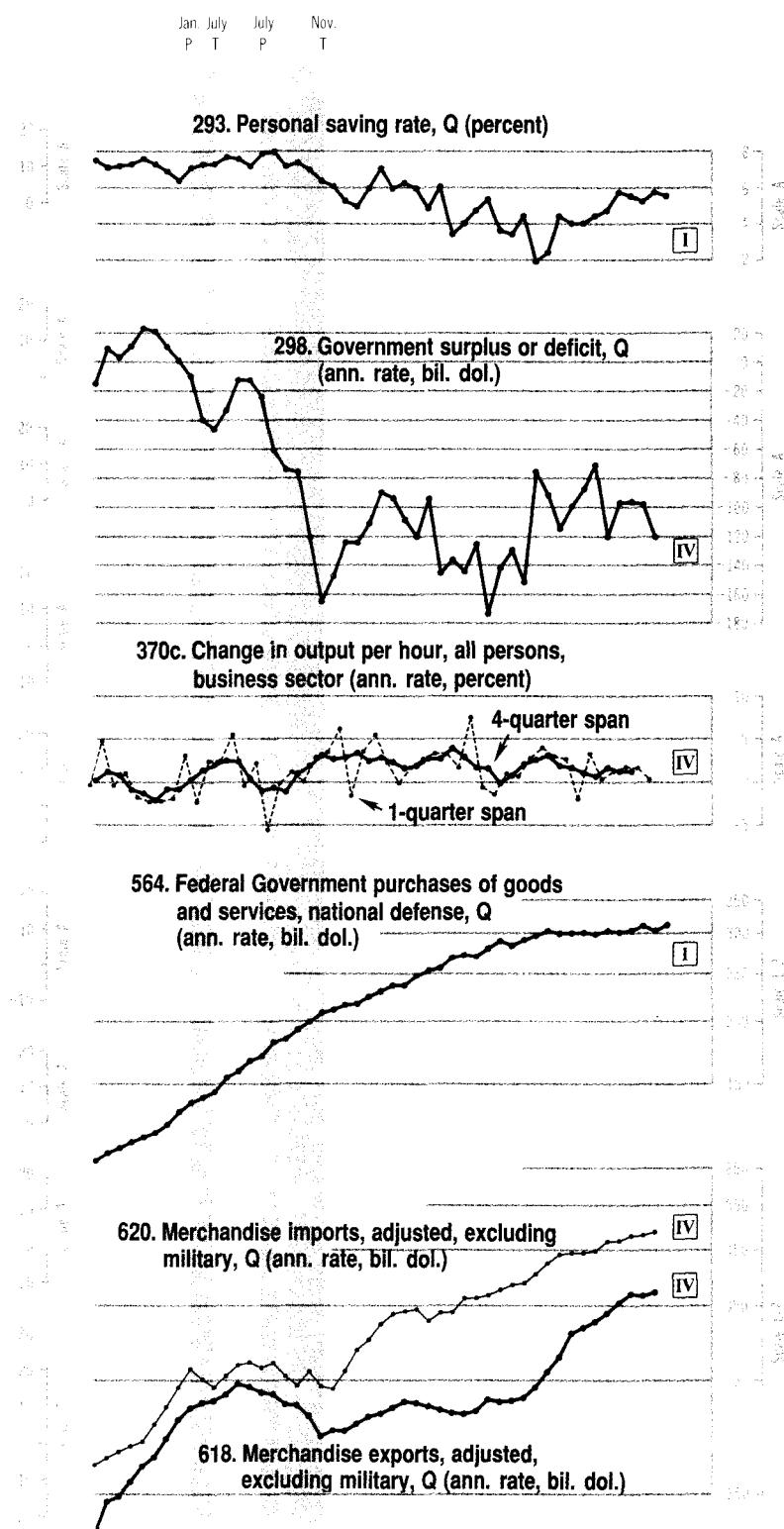
Price Movements



1978 79 80 81 82 83 84 85 86 87 88 89 1990

NOTE.—Current data for these series are shown on pages C-4 and C-5.

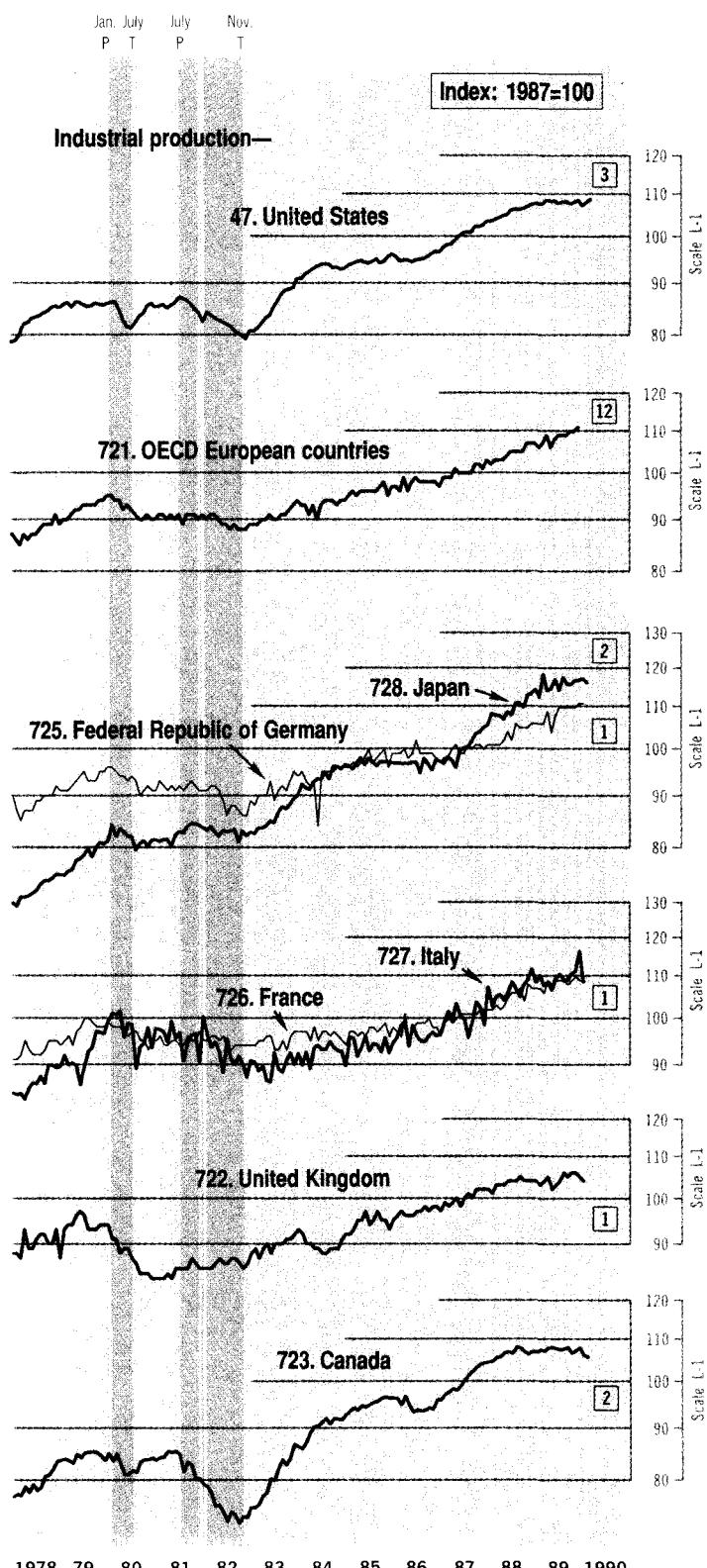
Other Measures



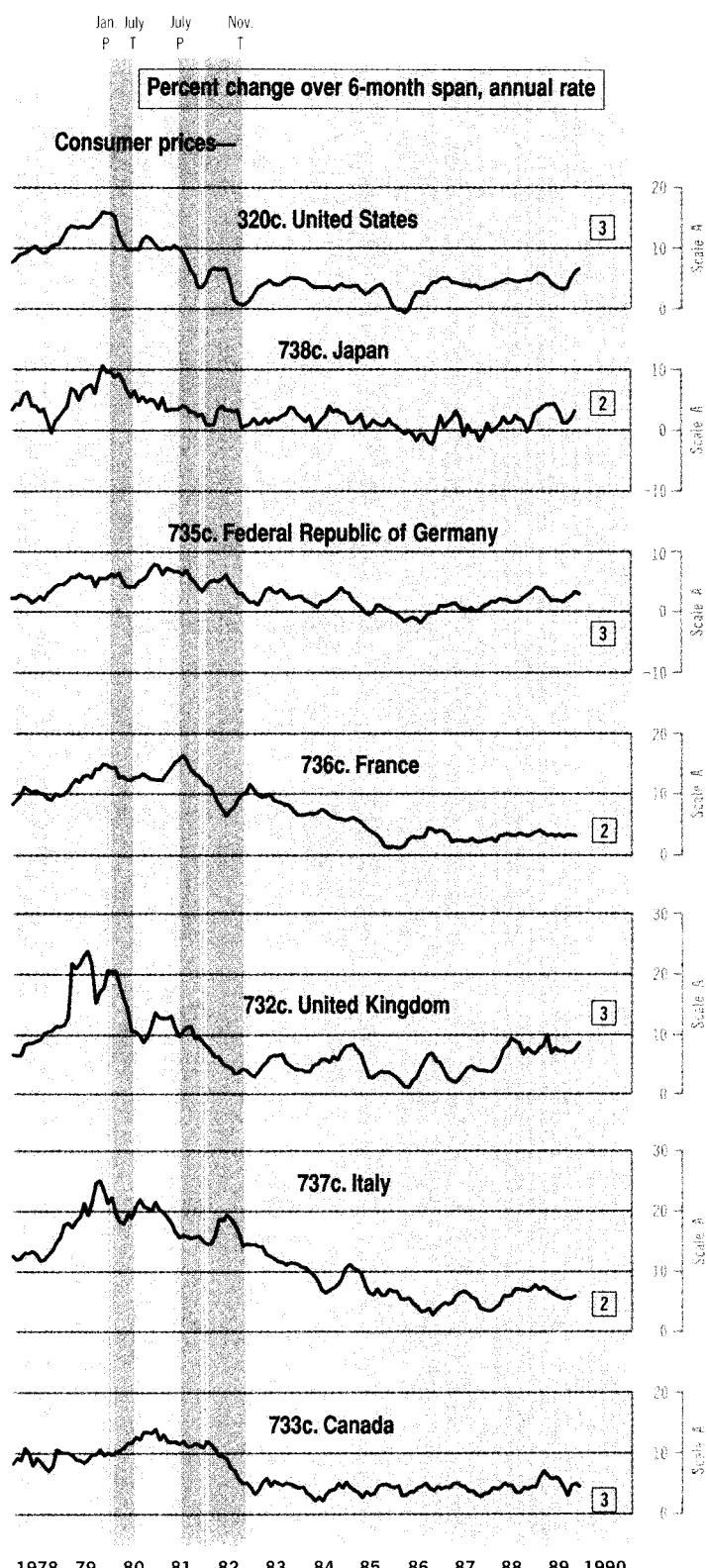
1978 79 80 81 82 83 84 85 86 87 88 89 1990

OTHER IMPORTANT ECONOMIC MEASURES

International Comparisons: Industrial Production



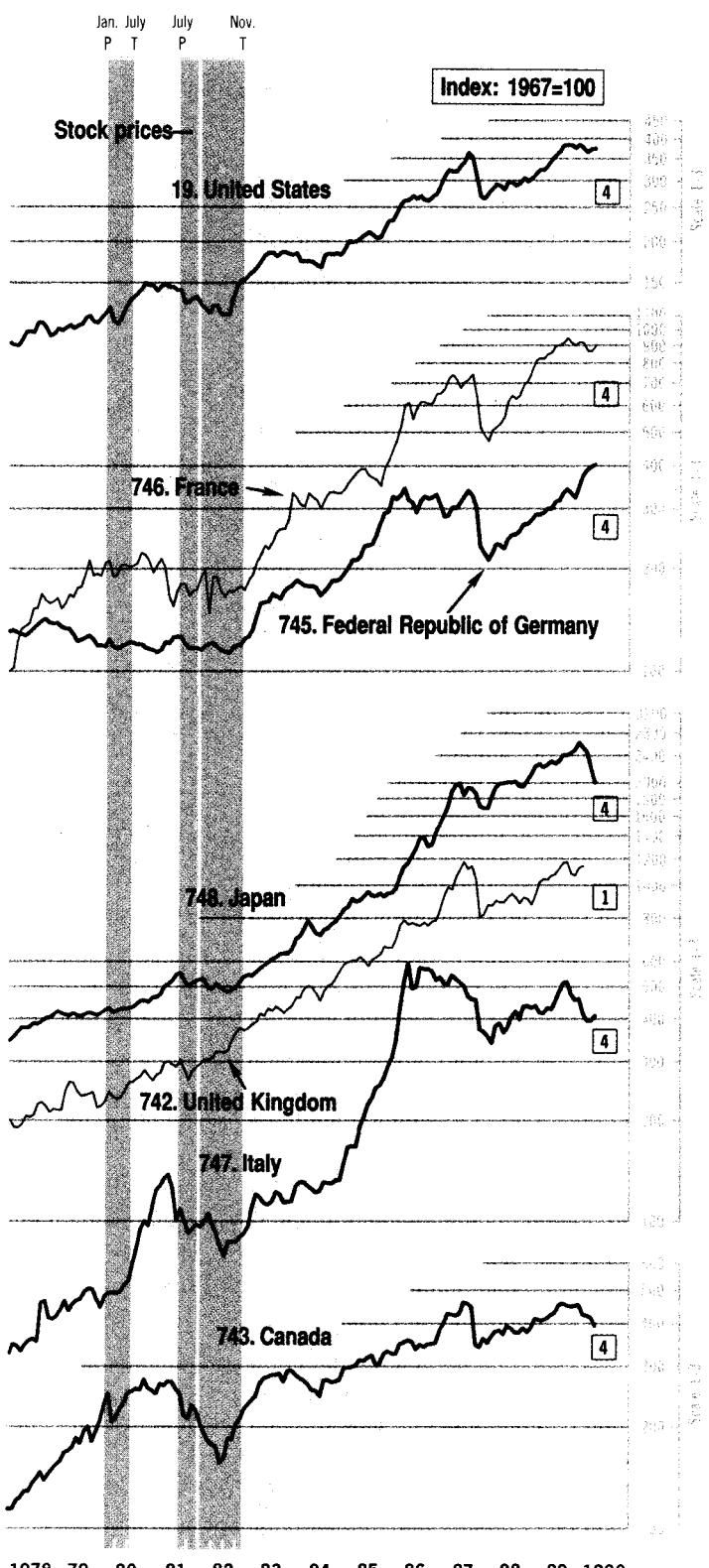
International Comparisons: Consumer Prices



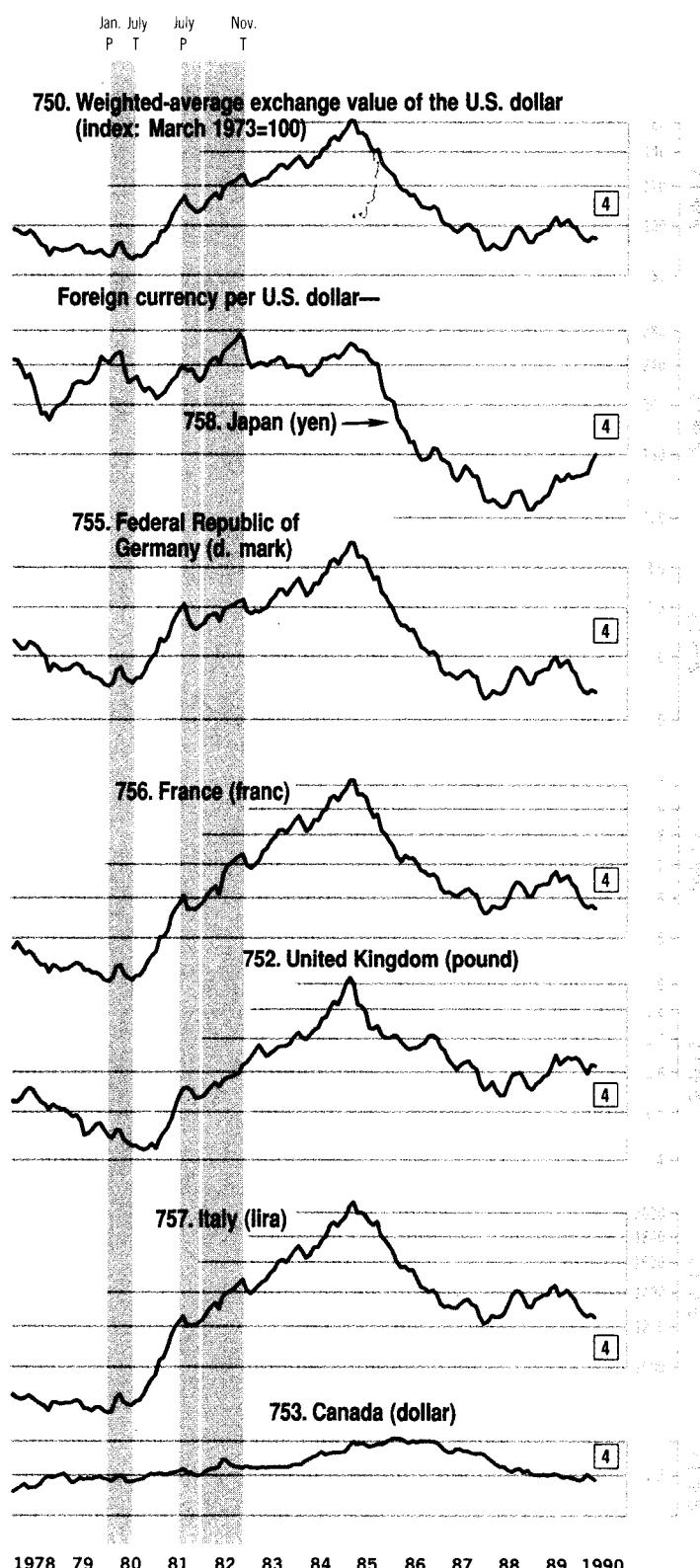
NOTE.—Current data for these series are shown on page C-5.

OTHER IMPORTANT ECONOMIC MEASURES

International Comparisons: Stock Prices



International Comparisons: Exchange Rates



NOTE.—Current data for these series are shown on page C-5.

Business Cycle Expansions and Contractions

Business cycle reference dates		Duration in months		
Trough	Peak	Contraction (trough from previous peak)	Expansion (trough to peak)	Cycle
				Trough from previous trough
December 1854	June 1857 .....	.....	30	.....
December 1858	October 1860..	18	22	48
June 1861	April 1865	8	46	30
December 1867	June 1869	32	18	78
December 1870	October 1873..	18	34	36
March 1879	March 1882	65	36	99
May 1885	March 1887	38	22	74
April 1888	July 1890	13	27	35
May 1891	January 1893	10	20	37
June 1894	December 1895	17	18	37
June 1897	June 1899	18	24	36
December 1900	September 1902	18	21	42
August 1904	May 1907	23	33	44
June 1908	January 1910	13	19	46
January 1912	January 1913	24	12	43
December 1914	August 1918	23	44	35
March 1919	January 1920	7	10	51
July 1921	May 1923	18	22	28
July 1924	October 1926	14	27	36
November 1927	August 1929	13	21	40
March 1933	May 1937	43	50	64
June 1938	February 1945	13	80	63
October 1945	November 1948	8	37	88
October 1949	July 1953	11	45	48
May 1954	August 1957	10	39	55
April 1958	April 1960	8	24	47
February 1961	December 1969	10	106	34
November 1970	November 1973	11	36	117
March 1975	January 1980	16	58	52
July 1980	July 1981	6	12	64
November 1982 .....	.....	16	.....	28
Average, all cycles:				
1854-1982 (30 cycles) .....	.....	18	33	51
1854-1919 (16 cycles) .....	.....	22	27	48
1919-1945 (6 cycles) .....	.....	18	35	53
1945-1982 (8 cycles) .....	.....	11	45	55
Average, peacetime cycles:				
1854-1982 (25 cycles) .....	.....	19	27	46
1854-1919 (14 cycles) .....	.....	22	24	46
1919-1945 (5 cycles) .....	.....	20	26	46
1945-1982 (6 cycles) .....	.....	11	34	44

1. 29 cycles.
 2. 15 cycles.
 3. 24 cycles.
 4. 13 cycles.

NOTE.—Figures printed in bold italic are the wartime expansions (Civil War, World Wars I and II, Korean war, and Vietnam war), the postwar contractions, and the full cycles that include the wartime expansions.

Source: National Bureau of Economic Research, Inc.

Specific Peak and Trough Dates for Selected Indicators

Series no.	Series title	Specific peak dates corresponding to reference peaks in—						
		July 1981	Jan. 1980	Nov. 1973	Dec. 1969	Apr. 1960	Aug. 1957	July 1953
LEADING INDICATORS								
1	Average weekly hours, mfg.	5/81 (-2)	3/79 (-10)	4/73 (-7)	10/68 (-14)	5/59 (-11)	11/55 (-21)	4/53 (-3)
5	Average weekly initial claims (inverted)	7/81 (0)	9/78 (-16)	2/73 (-9)	1/69 (-11)	4/59 (-12)	9/55 (-23)	9/52 (-10)
8	Mfrs.' new orders in 1982 dollars, consumer goods and materials	10/80 (-9)	12/78 (-13)	3/73 (-8)	11/68 (-13)	2/59 (-14)	7/55 (-25)	4/53 (-3)
32	Vendor performance, slower deliveries diffusion index	4/81 (-3)	4/79 (-9)	11/73 (0)	8/69 (-4)	2/59 (-14)	4/55 (-28)	7/52 (-12)
20	Contracts and orders for plant and equipment in 1982 dollars	4/81 (-3)	3/79 (-10)	10/73 (-1)	4/69 (-8)	3/59 (-13)	11/56 (-9)	2/53 (-5)
29	Building permits, new private housing units	9/80 (-10)	6/78 (-19)	12/72 (-11)	2/69 (-10)	11/58 (-17)	2/55 (-30)	11/52 (-8)
92	Change in mfrs.' unfilled orders in 1982 dollars, durable goods (smoothed ¹)	12/80 (-7)	12/78 (-13)	5/73 (-6)	5/69 (-7)	4/59 (-12)	1/56 (-19)	5/51 (-26)
99	Change in sensitive materials prices (smoothed ¹)	12/80 (-7)	5/79 (-8)	1/74 (+2)	2/69 (-10)	11/58 (-17)	8/55 (-24)	6/53 (-1)
19	Index of stock prices, 500 common stocks	11/80 (-8)	NSC	1/73 (-10)	12/68 (-12)	7/59 (-9)	7/56 (-13)	1/53 (-6)
106	Money supply M2 in 1982 dollars	NSC	1/78 (-24)	1/73 (-10)	1/69 (-11)	NSC	1/56 (-19)	NSC
83	Index of consumer expectations	5/81 (-2)	11/76 (-38)	8/72 (-15)	2/69 (-10)	2/60 (-2)	11/56 (-9)	2/53 (-5)
910	Composite index of 11 leading indicators	5/81 (-2)	10/78 (-15)	3/73 (-8)	4/69 (-8)	6/59 (-10)	12/55 (-20)	2/53 (-5)
940	Ratio, coincident index to lagging index	10/80 (-9)	4/78 (-21)	12/72 (-11)	11/68 (-13)	4/59 (-12)	5/55 (-27)	10/52 (-9)
COINCIDENT INDICATORS								
41	Employees on nonagricultural payrolls	7/81 (0)	3/80 (+2)	10/74 (+11)	3/70 (+3)	4/60 (0)	3/57 (-5)	6/53 (-1)
51	Personal income less transfer payments in 1982 dollars	8/81 (+1)	1/80 (0)	11/73 (0)	NSC	6/60 (+2)	8/57 (0)	10/53 (+3)
47	Index of industrial production	7/81 (0)	3/80 (+2)	11/73 (0)	10/69 (-2)	1/60 (-3)	3/57 (-5)	7/53 (0)
57	Mfg. and trade sales in 1982 dollars	1/81 (-6)	3/79 (-10)	11/73 (0)	10/69 (-2)	1/60 (-3)	2/57 (-6)	4/53 (-3)
920	Composite index of 4 coincident indicators	7/81 (0)	1/80 (0)	11/73 (0)	10/69 (-2)	1/60 (-3)	2/57 (-6)	7/53 (0)
LAGGING INDICATORS								
91	Average duration of unemployment (inverted)	12/81 (+5)	7/79 (-6)	9/73 (-2)	10/69 (-2)	6/60 (+2)	9/57 (+1)	9/53 (+2)
77	Ratio, mfg. and trade inventories to sales in 1982 dollars	10/82 (+15)	6/80 (+5)	3/75 (+16)	11/70 (+11)	1/61 (+9)	4/58 (+8)	12/53 (+5)
62	Change in index of labor cost per unit of output, mfg. (smoothed ¹)	1/82 (+6)	6/80 (+5)	3/75 (+16)	1/70 (+1)	2/61 (+10)	3/58 (+7)	1/54 (+6)
109	Average prime rate charged by banks	8/81 (+1)	4/80 (+3)	9/74 (+10)	2/70 (+2)	7/60 (+3)	12/57 (+4)	2/54 (+7)
101	Commercial and industrial loans outstanding in 1982 dollars	9/82 (+14)	3/80 (+2)	9/74 (+10)	8/70 (+8)	NSC	9/57 (+1)	6/53 (-1)
95	Ratio, consumer installment credit to personal income	NSC	2/80 (+1)	4/74 (+5)	4/70 (+4)	12/60 (+8)	1/58 (+5)	4/54 (+9)
120	Change in Consumer Price Index for services (smoothed ¹)	9/81 (+2)	6/80 (+5)	10/74 (+11)	4/70 (+4)	10/59 (-6)	3/57 (-5)	n.a.
930	Composite index of 7 lagging indicators	9/81 (+2)	4/80 (+3)	12/74 (+13)	3/70 (+3)	7/60 (+3)	12/57 (+4)	12/53 (+5)
LEADING INDICATORS								
Nov. 1982								
Specific trough dates corresponding to reference troughs in—								
COINCIDENT INDICATORS								
41	Employees on nonagricultural payrolls	12/82 (+1)	7/80 (0)	4/75 (+1)	11/70 (0)	2/61 (0)	5/58 (+1)	8/54 (+3)
51	Personal income less transfer payments in 1982 dollars	9/82 (-2)	7/80 (0)	2/75 (-1)	NSC	12/60 (-2)	4/58 (0)	4/54 (-1)
47	Index of industrial production	12/82 (+1)	7/80 (0)	3/75 (0)	11/70 (0)	2/61 (0)	4/58 (0)	4/54 (-1)
57	Mfg. and trade sales in 1982 dollars	10/82 (-1)	6/80 (-1)	3/75 (0)	11/70 (0)	1/61 (-1)	4/58 (0)	12/53 (-5)
920	Composite index of 4 coincident indicators	12/82 (+1)	7/80 (0)	3/75 (0)	11/70 (0)	2/61 (0)	4/58 (0)	8/54 (+3)
LAGGING INDICATORS								
7/83 (+8)								
91	Average duration of unemployment (inverted)	1/84 (+14)	1/81 (+6)	1/76 (+10)	6/72 (+19)	7/61 (+5)	10/58 (+6)	5/55 (+12)
77	Ratio, mfg. and trade inventories to sales in 1982 dollars	8/83 (+9)	7/81 (+12)	11/75 (+8)	11/71 (+12)	9/61 (+7)	5/59 (+13)	4/55 (+11)
62	Change in index of labor cost per unit of output, mfg. (smoothed ¹)	7/83 (+8)	8/80 (+1)	4/77 (+25)	3/72 (+16)	11/65 (+57)	8/58 (+4)	7/55 (+14)
109	Average prime rate charged by banks	10/83 (+11)	3/81 (+8)	9/76 (+18)	2/72 (+15)	NSC	8/58 (+4)	8/54 (+3)
101	Commercial and industrial loans outstanding in 1982 dollars	12/82 (+1)	NSC	2/76 (+11)	2/72 (+15)	11/61 (+9)	11/58 (+7)	11/54 (+6)
95	Ratio, consumer installment credit to personal income	1/83 (+2)	10/80 (+3)	8/75 (+5)	2/73 (+27)	7/61 (+5)	12/58 (+8)	n.a.
120	Change in Consumer Price Index for services (smoothed ¹)	6/83 (+7)	10/80 (+3)	6/76 (+15)	2/72 (+15)	8/61 (+6)	8/58 (+4)	2/55 (+9)

Note.—Specific peak and trough dates mark the cyclical turning points in individual series; reference peak and trough dates mark the cyclical turning points in overall business activity. For the composite indexes and their components, this table lists the specific peaks and troughs corresponding to the last seven business cycles. The leads (-) or lags (+) of the specific dates in relation to the reference dates are shown in parentheses (in months). These specific dates should not be considered absolute; individual analysts may prefer alternative turning points for some series. See *Measuring Business Cycles* by Arthur F. Burns and Wesley C. Mitchell (National Bureau of Economic Research, 1946) for detailed information on the selection of specific peaks and troughs.

n.a. Not available. This indicates that data necessary to determine a turning point are not available.

NSC No specific cycle. This indicates that no specific turning point corresponding to the indicated reference date is discernible.

1. This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

TITLES AND SOURCES OF SERIES

Series are listed below in numerical order within each of the two major groups. Series numbers are for identification only and do not reflect relationships or order among the series. "M" following a series title indicates monthly data; "Q" indicates quarterly data. Data apply to the whole period except when indicated by "EOM" (end of month) or "EOQ" (end of quarter).

To save space, the commonly used sources listed below are referred to by number:

Source 1—U.S. Department of Commerce, Bureau of Economic Analysis; Source 2—U.S. Department of Commerce, Bureau of the Census; Source 3—U.S. Department of Labor, Bureau of Labor Statistics; Source 4—Board of Governors of the Federal Reserve System.

In parentheses following the source for each series is a reference to the C-page(s) on which that series appears. References to data tables are in roman type; references to charts are in bold-italic type.

1. Cyclical Indicators

1. Average weekly hours of production or nonsupervisory workers, manufacturing (M).—Source 3 (2,9)
5. Average weekly initial claims for unemployment insurance, State programs (M).—U.S. Department of Labor, Employment and Training Administration; seasonal adjustment by Bureau of Economic Analysis (2,9)
7. Manufacturers' new orders in 1982 dollars, durable goods industries (M).—Sources 1 and 2 (2,15)
8. Manufacturers' new orders in 1982 dollars, consumer goods and materials industries (M).—Sources 1 and 2 (2,9)
9. Construction contracts awarded for commercial and industrial buildings, floor space (M).—McGraw-Hill Information Systems Company; seasonal adjustment by Bureau of Economic Analysis (Used by permission. This series may not be reproduced without written permission from the source.) (2,16)
10. Contracts and orders for plant and equipment in current dollars (M).—Sources 1, 2, and McGraw-Hill Information Systems Company (2)
11. Newly approved capital appropriations, 1,000 manufacturing corporations (Q).—The Conference Board (2)
12. Index of net business formation (M).—Source 1 and Dun & Bradstreet, Inc. (2,16)
13. Number of new business incorporations (M).—Dun & Bradstreet, Inc.; seasonal adjustment by Bureau of Economic Analysis (2,16)
14. Current liabilities of business failures (M).—Dun & Bradstreet, Inc. (4)
16. Corporate profits after tax in current dollars (Q).—Source 1 (3,19)
18. Corporate profits after tax in 1982 dollars (Q).—Source 1 (3,19)
19. Index of stock prices, 500 common stocks (M).—Standard & Poor's Corporation (3,5,10,24)
20. Contracts and orders for plant and equipment in 1982 dollars (M).—Sources 1, 2, and McGraw-Hill Information Systems Company (2,9)
21. Average weekly overtime hours of production or nonsupervisory workers, manufacturing (M).—Source 3 (2,13)
22. Ratio, corporate domestic profits after tax to total corporate domestic income (Q).—Source 1 (3,19)
23. Index of spot market prices, raw industrial materials (M).—Source 3 and Commodity Research Bureau, Inc. (Used by permission. From June 1981 forward, this series may not be reproduced without written permission from Commodity Research Bureau, Inc.) (3,19)
26. Ratio, implicit price deflator to unit labor cost, nonfarm business sector (Q).—Sources 1 and 3 (3,19)
27. Manufacturers' new orders in 1982 dollars, nondefense capital goods industries (M).—Sources 1 and 2 (2,16)
28. New private housing units started (M).—Source 2 (3,18)
29. Index of new private housing units authorized by local building permits (M).—Source 2 (3,10)
30. Change in business inventories in 1982 dollars (Q).—Source 1 (3,18)
31. Change in manufacturing and trade inventories (M).—Sources 1 and 2 (3,18)
32. Vendor performance, slower deliveries diffusion index (M).—National Association of Purchasing Management and Purchasing Management Association of Chicago (2,9)
35. Corporate net cash flow in 1982 dollars (Q).—Source 1 (3)
37. Number of persons unemployed (M).—Source 3 (2)
39. Percent of consumer installment loans delinquent 30 days and over (EOM).—American Bankers Association (4)
40. Employees on nonagricultural payrolls, goods-producing industries (M).—Source 3 (2,13)
41. Employees on nonagricultural payrolls (M).—Source 3 (2,11)
42. Number of persons engaged in nonagricultural activities (M).—Source 3 (2)
43. Civilian unemployment rate (M).—Source 3 (2,13)
44. Unemployment rate, persons unemployed 15 weeks and over (M).—Source 3 (2)
45. Average weekly insured unemployment rate, State programs (M).—U.S. Department of Labor, Employment and Training Administration (2)
46. Index of help-wanted advertising in newspapers (M).—The Conference Board (2,13)
47. Index of industrial production (M).—Source 4 (2,5,11,23)
48. Employee hours in nonagricultural establishments (M).—Source 3 (2,13)
49. Value of goods output in 1982 dollars (Q).—Source 1 (2)
50. Gross national product in 1982 dollars (Q).—Source 1 (2,14)
51. Personal income less transfer payments in 1982 dollars (M).—Source 1 (2,11)
52. Personal income in 1982 dollars (M).—Source 1 (2)
53. Wages and salaries in 1982 dollars, mining, manufacturing, and construction (M).—Source 1 (2,14)
57. Manufacturing and trade sales in 1982 dollars (M).—Sources 1 and 2 (2,11)
58. Index of consumer sentiment (Q,M).—University of Michigan, Survey Research Center (Used by permission. This series may not be reproduced without written permission from the source.) (2)
59. Sales of retail stores in 1982 dollars (M).—Sources 1 and 2 (2,15)
60. Ratio, help-wanted advertising in newspapers to number of persons unemployed (M).—Sources 1, 3, and The Conference Board (2)
61. New plant and equipment expenditures by business in current dollars (Q).—Source 2 (3)
62. Change in index of labor cost per unit of output, manufacturing, smoothed (M).—Sources 1 and 4 (3,12)
63. Index of unit labor cost, business sector (Q).—Source 3 (3)
66. Consumer installment credit outstanding (EOM).—Source 4 (4)
69. Manufacturers' machinery and equipment sales and business construction expenditures (M).—Source 2 (3,17)
70. Manufacturing and trade inventories in 1982 dollars (EOM).—Sources 1 and 2 (3)
72. Commercial and industrial loans outstanding in current dollars (M).—Sources 1, 4, and The Federal Reserve Bank of New York (4)
73. Index of industrial production, durable manufactures (M).—Source 4 (2,14)
74. Index of industrial production, nondurable manufactures (M).—Source 4 (2,14)
75. Index of industrial production, consumer goods (M).—Source 4 (2,15)
76. Index of industrial production, business equipment (M).—Source 4 (3,17)
77. Ratio, manufacturing and trade inventories to sales in 1982 dollars (M).—Sources 1 and 2 (3,12)
81. Ratio, corporate domestic profits after tax with inventory valuation and capital consumption adjustments to total corporate domestic income (Q).—Source 1 (3,19)
82. Capacity utilization rate, manufacturing (M).—Source 4 (2,14)
83. Index of consumer expectations (Q,M).—University of Michigan, Survey Research Center (Used by permission. This series may not be reproduced without written permission from the source.) (2,10)
85. Change in money supply M1 (M).—Source 4 (3,20)
86. Gross private nonresidential fixed investment in 1982 dollars (Q).—Source 1 (3,17)
87. Gross private nonresidential fixed investment in 1982 dollars, structures (Q).—Source 1 (3,17)
88. Gross private nonresidential fixed investment in 1982 dollars, producers' durable equipment (Q).—Source 1 (3,17)
89. Gross private residential fixed investment in 1982 dollars (Q).—Source 1 (3,18)
90. Ratio, civilian employment to population of working age (M).—Sources 1 and 3 (2,13)
91. Average duration of unemployment in weeks (M).—Source 3 (2,12)
92. Change in manufacturers' unfilled orders in 1982 dollars, durable goods industries, smoothed (M).—Sources 1, 2, and 3 (2,10)
93. Free reserves (M).—Source 4 (4)
94. Member bank borrowings from the Federal Reserve (M).—Source 4 (4)
95. Ratio, consumer installment credit outstanding to personal income (M).—Sources 1 and 4 (4,12)
97. Backlog of capital appropriations, 1,000 manufacturing corporations (EOQ).—The Conference Board (2)
98. Index of producer prices for sensitive crude and intermediate materials (M).—Sources 1 and 3 (3)
99. Change in sensitive materials prices, smoothed (M).—Sources 1, 3, and Commodity Research Bureau, Inc. (3,10)

100. New plant and equipment expenditures by business in 1982 dollars (Q).—Source 2 (3,17)
101. Commercial and industrial loans outstanding in 1982 dollars (M).—Sources 1, 4, and The Federal Reserve Bank of New York (4,12)
102. Change in money supply M2 (M).—Source 4 (3,20)
105. Money supply M1 in 1982 dollars (M).—Sources 1 and 4 (3)
106. Money supply M2 in 1982 dollars (M).—Sources 1 and 4 (3,10)
107. Ratio, gross national product to money supply M1 (Q).—Sources 1 and 4 (4)
108. Ratio, personal income to money supply M2 (M).—Sources 1 and 4 (4)
109. Average prime rate charged by banks (M).—Source 4 (4,12)
110. Funds raised by private nonfinancial borrowers in credit markets (Q).—Source 4 (4,20)
111. Change in business and consumer credit outstanding (M).—Sources 1, 4, Federal Home Loan Bank Board, and The Federal Reserve Bank of New York (4)
112. Net change in business loans (M).—Sources 1, 4, and The Federal Reserve Bank of New York (4,20)
113. Net change in consumer installment credit (M).—Source 4 (4,20)
114. Discount rate on new issues of 91-day Treasury bills (M).—Source 4 (4,21)
115. Yield on long-term Treasury bonds (M).—U.S. Department of the Treasury (4,21)
116. Yield on new issues of high-grade corporate bonds (M).—Citibank and U.S. Department of the Treasury (4,21)
117. Yield on municipal bonds, 20-bond average (M).—The Bond Buyer (4)
118. Secondary market yields on FHA mortgages (M).—U.S. Department of Housing and Urban Development, Federal Housing Administration (4)
119. Federal funds rate (M).—Source 4 (4,21)
120. Change in Consumer Price Index for services, smoothed (M).—Sources 1 and 2 (3,12)
122. Index of consumer confidence (M).—The Conference Board (2)
123. Index of consumer expectations (M).—The Conference Board (2,15)
910. Composite index of 11 leading indicators (includes series 1, 5, 8, 19, 20, 29, 32, 83, 92, 99, 106) (M).—Source 1 (1,7,8)
920. Composite index of 4 coincident indicators (includes series 41, 47, 51, 57) (M).—Source 1 (1,7,8)
930. Composite index of 7 lagging indicators (includes series 62, 77, 91, 95, 101, 109, 120) (M).—Source 1 (1,7,8)
940. Ratio, coincident composite index (series 920) to lagging composite index (series 930) (M).—Source 1 (1,7)
950. Diffusion index of 11 leading indicator components (M).—Source 1 (1,8)
951. Diffusion index of 4 coincident indicator components (M).—Source 1 (1,8)
952. Diffusion index of 7 lagging indicator components (M).—Source 1 (1,8)
963. Diffusion index of employees on private nonagricultural payrolls, 349 industries (M).—Source 3 (2)
990. CIBCR long-leading composite index (M).—Columbia University, Center for International Business Cycle Research (4,21)
991. CIBCR short-leading composite index (M).—Columbia University, Center for International Business Cycle Research (4,21)
- 2. Other Important Economic Measures**
290. Gross saving (Q).—Source 1 (4)
292. Personal saving (Q).—Source 1 (4)
293. Personal saving rate (Q).—Source 1 (4,22)
295. Business saving (Q).—Source 1 (4)
298. Government surplus or deficit (Q).—Source 1 (4,22)
310. Implicit price deflator for gross national product (Q).—Source 1 (4)
311. Fixed-weighted price index, gross domestic business product (Q).—Source 1 (4,22)
320. Consumer Price Index for all urban consumers, all items (M).—Source 3 (4,5,22,23)
323. Consumer Price Index for all urban consumers, all items less food and energy (M).—Source 3 (4,22)
331. Producer Price Index, crude materials for further processing (M).—Source 3 (4,22)
332. Producer Price Index, intermediate materials, supplies, and components (M).—Source 3 (4,22)
333. Producer Price Index, capital equipment (M).—Source 3 (4,22)
334. Producer Price Index, finished consumer goods (M).—Source 3 (4,22)
336. Producer Price Index, finished goods (M).—Source 3 (4,22)
337. Producer Price Index, finished goods less foods and energy (M).—Source 3 (4,22)
345. Index of average hourly compensation, all employees, nonfarm business sector (Q).—Source 3 (5)
346. Index of real average hourly compensation, all employees, nonfarm business sector (Q).—Source 3 (5)
358. Index of output per hour, all persons, nonfarm business sector (Q).—Source 3 (5)
370. Index of output per hour, all persons, business sector (Q).—Source 3 (5,22)
441. Civilian labor force (M).—Source 3 (5)
442. Civilian employment (M).—Source 3 (5)
451. Civilian labor force participation rate, males 20 years and over (M).—Source 3 (5)
452. Civilian labor force participation rate, females 20 years and over (M).—Source 3 (5)
453. Civilian labor force participation rate, both sexes 16-19 years of age (M).—Source 3 (5)
517. Defense Department gross obligations incurred (M).—U.S. Department of Defense, Office of the Assistant Secretary of Defense (Comptroller), Directorate for Program and Financial Control; seasonal adjustment by Bureau of Economic Analysis (5)
525. Defense Department prime contract awards for work performed in the United States (M).—U.S. Department of Defense, Office of the Assistant Secretary of Defense (Comptroller), Washington Headquarters Services, Directorate for Information Operations and Reports; seasonal adjustment by Bureau of Economic Analysis (5)
543. Defense Department gross unpaid obligations outstanding (EOM).—U.S. Department of Defense, Office of the Assistant Secretary of Defense (Comptroller), Directorate for Program and Financial Control; seasonal adjustment by Bureau of Economic Analysis (5)
548. Manufacturers' new orders, defense products (M).—Source 2 (5)
557. Index of industrial production, defense and space equipment (M).—Source 4 (5)
564. Federal Government purchases of goods and services, national defense (Q).—Source 1 (5,22)
570. Employment, defense products industries (M).—Source 3; seasonal adjustment by Bureau of Economic Analysis (5)
602. Exports, excluding military aid shipments (M).—Source 2 (5)
604. Exports of domestic agricultural products (M).—Source 2; seasonal adjustment by Bureau of Economic Analysis (5)
606. Exports of nonelectrical machinery (M).—Source 2; seasonal adjustment by Bureau of Economic Analysis (5)
612. General imports (M).—Source 2 (5)
614. Imports of petroleum and petroleum products (M).—Source 2; seasonal adjustment by Bureau of Economic Analysis (5)
616. Imports of automobiles and parts (M).—Source 2; seasonal adjustment by Bureau of Economic Analysis (5)
618. Merchandise exports, adjusted, excluding military (Q).—Source 1 (5,22)
620. Merchandise imports, adjusted, excluding military (Q).—Source 1 (5,22)
622. Balance on merchandise trade (Q).—Source 1 (5,22)
721. Organization for Economic Cooperation and Development, European countries, index of industrial production (M).—Organization for Economic Cooperation and Development (Paris) (5,23)
722. United Kingdom, index of industrial production (M).—Central Statistical Office (London) (5,23)
723. Canada, index of industrial production (M).—Statistics Canada (Ottawa) (5,23)
725. Federal Republic of Germany, index of industrial production (M).—Statistisches Bundesamt (Wiesbaden) (5,23)
726. France, index of industrial production (M).—Institut National de la Statistique et des Etudes Economiques (Paris) (5,23)
727. Italy, index of industrial production (M).—Istituto Centrale di Statistica (Rome) (5,23)
728. Japan, index of industrial production (M).—Ministry of International Trade and Industry (Tokyo) (5,23)
732. United Kingdom, consumer price index (M).—Department of Employment (London); percent changes seasonally adjusted by Bureau of Economic Analysis (5,23)
733. Canada, consumer price index (M).—Statistics Canada (Ottawa); percent changes seasonally adjusted by Bureau of Economic Analysis (5,23)
735. Federal Republic of Germany, consumer price index (M).—Statistisches Bundesamt (Wiesbaden); percent changes seasonally adjusted by Bureau of Economic Analysis (5,23)
736. France, consumer price index (M).—Institut National de la Statistique et des Etudes Economiques (Paris); percent changes seasonally adjusted by Bureau of Economic Analysis (5,23)
737. Italy, consumer price index (M).—Istituto Centrale di Statistica (Rome); percent changes seasonally adjusted by Bureau of Economic Analysis (5,23)
738. Japan, consumer price index (M).—Bureau of Statistics, Office of the Prime Minister (Tokyo); percent changes seasonally adjusted by Bureau of Economic Analysis (5,23)
742. United Kingdom, index of stock prices (M).—Central Statistical Office (London) (5,24)
743. Canada, index of stock prices (M).—Toronto Stock Exchange (Toronto) (5,24)
745. Federal Republic of Germany, index of stock prices (M).—Statistisches Bundesamt (Wiesbaden) (5,24)
746. France, index of stock prices (M).—Institut National de la Statistique et des Etudes Economiques (Paris) (5,24)
747. Italy, index of stock prices (M).—Banca d'Italia (Rome) (5,24)
748. Japan, index of stock prices (M).—Bank of Japan (Tokyo) (5,24)
750. Index of weighted-average exchange value of U.S. dollar against currencies of 10 industrial countries (M).—Source 4 (5,24)
752. United Kingdom, exchange rate per U.S. dollar (M).—Source 4 (5,24)
753. Canada, exchange rate per U.S. dollar (M).—Source 4 (5,24)
755. Federal Republic of Germany, exchange rate per U.S. dollar (M).—Source 4 (5,24)
756. France, exchange rate per U.S. dollar (M).—Source 4 (5,24)
757. Italy, exchange rate per U.S. dollar (M).—Source 4 (5,24)
758. Japan, exchange rate per U.S. dollar (M).—Source 4 (5,24)

CURRENT BUSINESS STATISTICS

New feature in this issue: Changes are made in the presentation of "Industrial Production" on pages S-1 and S-2.

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Current data for the series shown in the S-pages are available on diskette on a subscription basis or from the Commerce Department's Economic Bulletin Board. Historical data, data sources, and methodological notes for each series are published in **BUSINESS STATISTICS, 1961-88**. For more information, write to Business Statistics Branch, Current Business Analysis Division (BE-53), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

NOTE.—This section of the SURVEY is prepared by the Business Statistics Branch.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989												1990		
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
		GENERAL BUSINESS INDICATORS																
PERSONAL INCOME BY SOURCE																		
Seasonally adjusted, at annual rates:																		
Total personal income .....bil. \$..	4,064.5	4,427.3	4,319.5	4,360.7	4,387.1	4,396.3	4,417.5	4,443.7	4,456.9	4,467.1	4,500.3	4,541.5	4,564.1	4,599.6	4,634.3	4,670.1		
Wage and salary disbursements, total .....do ..	2,429.0	2,631.1	2,557.3	2,579.4	2,601.3	2,603.5	2,621.7	2,644.7	2,651.0	2,668.4	2,693.4	2,694.7	2,712.2	2,724.7	2,746.7	2,760.8		
Commodity-producing industries, total .....do ..	696.3	738.2	724.3	734.8	732.5	732.6	736.1	739.2	744.2	744.6	751.9	748.9	748.4	746.3	755.0	758.8		
Manufacturing .....do ..	524.0	552.9	544.0	553.5	548.6	549.0	552.0	553.4	556.9	556.8	563.1	557.9	557.7	555.0	560.5	564.9		
Distributive industries .....do ..	571.9	615.1	598.1	601.0	610.0	609.1	613.3	620.2	615.6	622.5	628.9	636.7	641.4	644.4	646.4			
Service industries .....do ..	714.4	801.0	767.9	774.5	787.5	788.3	796.6	807.3	810.9	818.9	828.7	830.0	838.1	842.8	850.4	856.1		
Govt. and govt. enterprises .....do ..	446.5	476.9	467.0	469.2	471.2	473.6	475.7	478.0	480.2	482.4	484.9	487.0	489.1	494.2	496.9	499.5		
Other labor income .....do ..	228.9	248.3	241.3	242.9	244.4	246.0	247.5	249.1	250.7	252.2	253.8	255.3	256.9	258.5	260.0	261.6		
Proprietors' income: [‡]																		
Farm .....do ..	39.8	46.2	65.9	63.0	56.4	54.3	43.2	38.8	36.5	32.9	39.3	38.9	37.2	42.3	47.7	65.9		
Nonfarm .....do ..	288.0	305.9	300.6	300.8	304.6	303.5	304.6	306.3	308.0	307.4	306.3	313.7	315.6	319.6	323.6	324.9		
Rental income of persons with capital consumption adjustment .....bil. \$..	15.7	7.9	11.8	9.9	9.8	9.8	9.7	9.3	8.4	-1.6	-8.0	10.2	12.2	9.9	8.0	8.8		
Dividends .....do ..	102.2	112.4	109.4	110.3	111.0	111.4	111.8	112.8	113.3	113.6	114.8	115.8	116.4	117.2	118.1	118.8		
Personal interest income .....do ..	571.1	657.4	628.9	641.5	648.4	655.2	661.8	665.0	667.9	670.4	674.0	677.7	681.3	688.0	684.4	685.7		
Transfer payments .....do ..	584.7	632.3	614.2	624.2	623.9	625.5	630.9	632.6	636.4	640.2	644.6	653.1	651.4	671.7	670.6	671.0		
Less: Personal contributions for social insurance .....do ..	194.9	214.2	209.8	211.3	212.6	212.7	213.8	214.8	215.2	216.3	217.8	217.9	219.0	227.3	224.9	227.3		
Total nonfarm income .....do ..	4,008.7	4,359.6	4,232.4	4,276.5	4,309.4	4,320.5	4,352.6	4,383.1	4,398.6	4,412.4	4,439.3	4,480.9	4,505.1	4,535.7	4,565.0	4,582.6		
DISPOSITION OF PERSONAL INCOME																		
Seasonally adjusted, at annual rates:																		
Total personal income .....bil. \$..	4,064.5	4,427.3	4,319.5	4,360.7	4,387.1	4,396.3	4,417.5	4,443.7	4,456.9	4,467.1	4,500.3	4,541.5	4,564.1	4,599.6	4,634.3	4,670.1		
Less: Personal tax and nontax payments .....do ..	586.6	648.5	621.7	631.9	668.4	649.1	640.2	645.2	648.3	658.8	660.4	663.1	668.6	668.1	674.4	678.0		
Equals: Disposable personal income .....do ..	3,477.8	3,778.8	3,697.8	3,728.8	3,718.7	3,747.2	3,777.2	3,798.5	3,808.6	3,813.4	3,840.0	3,878.4	3,895.5	3,981.4	3,960.0	3,992.1		
Less: Personal outlays .....do ..	3,833.1	3,574.4	3,487.1	3,496.9	3,534.4	3,547.9	3,558.6	3,588.7	3,624.8	3,621.6	3,632.1	3,649.7	3,684.0	3,726.4	3,748.2	3,762.4		
Personal consumption expenditures .....do ..	3,235.1	3,471.1	3,384.7	3,394.0	3,432.1	3,445.0	3,455.4	3,485.3	3,521.2	3,517.8	3,528.1	3,545.0	3,578.7	3,620.4	3,641.7	3,655.5		
Durable goods .....do ..	455.2	473.2	464.2	461.8	477.4	466.5	469.1	478.4	498.9	480.9	470.3	467.9	470.3	505.1	490.1	483.8		
Nondurable goods .....do ..	1,052.3	1,128.4	1,098.6	1,102.5	1,112.9	1,126.7	1,125.0	1,130.0	1,129.7	1,134.6	1,135.0	1,140.5	1,151.6	1,156.5	1,173.3	1,170.8		
Services .....do ..	1,727.6	1,874.4	1,821.9	1,829.6	1,841.8	1,851.9	1,861.3	1,877.0	1,892.6	1,902.3	1,922.7	1,936.6	1,956.8	1,958.7	1,978.3	2,001.4		
Interest paid by consumers to business .....do ..	96.1	101.7	100.2	100.7	101.0	101.5	101.9	101.7	102.0	102.2	102.5	103.2	103.7	104.2	104.6	105.0		
Personal transfer payments to foreigners (net) .....do ..	1.9	1.7	2.2	2.2	1.4	1.4	1.4	1.6	1.6	1.6	1.5	1.5	1.5	1.9	1.9	1.9		
Equals: personal saving .....do ..	144.7	204.4	210.7	231.9	184.3	199.4	218.6	209.8	183.7	191.8	207.9	228.7	211.5	205.0	211.8	229.7		
Personal saving as percentage of disposable personal income \$percent	4.2	5.4	5.6	5.6	5.5	5.4	5.5	5.4	5.1	5.1	5.4	5.6	5.5	5.3	5.4	.....	
Disposable personal income in constant (1982) dollars .....bil. \$..	2,793.2	2,906.3	2,891.9	2,900.0	2,874.0	2,884.1	2,904.5	2,913.4	2,924.0	2,920.1	2,921.5	2,940.3	2,948.9	2,941.6	2,950.3	2,957.6		
Personal consumption expenditures in constant (1982) dollars .....do ..	2,598.4	2,669.6	2,647.0	2,639.6	2,652.4	2,651.5	2,657.1	2,673.8	2,703.3	2,693.8	2,684.2	2,687.6	2,709.2	2,708.8	2,713.1	2,708.2		
Durable goods .....do ..	413.6	425.3	417.2	417.1	430.5	421.3	423.0	429.8	447.1	432.5	422.5	418.7	419.7	446.9	434.7	429.7		
Nondurable goods .....do ..	904.5	916.7	918.1	911.3	906.3	911.7	911.2	916.2	922.5	923.6	916.9	918.3	910.4	917.0	909.2			
Services .....do ..	1,280.2	1,327.7	1,311.7	1,311.2	1,315.7	1,318.4	1,322.9	1,327.3	1,338.8	1,337.7	1,344.8	1,350.7	1,361.2	1,351.5	1,361.4	1,369.4		
Implicit price deflator for personal consumption expenditures .....index, 1982=100 ..	124.5	130.0	127.9	128.6	129.4	129.9	130.0	130.4	130.3	130.6	131.4	131.9	132.1	133.7	134.2	135.0		
INDUSTRIAL PRODUCTION ◊																		
<i>Federal Reserve Board Index of Quantity Output</i>																		
Not Seasonally Adjusted																		
Total index .....1987=100 ..	105.4	108.1	108.2	107.2	107.9	106.5	110.0	106.0	110.5	110.9	109.2	107.7	106.8	105.6	108.7	108.8		
By industry groups:																		
Mining .....do ..	101.8	100.5	101.1	99.2	101.3	99.4	98.9	96.1	100.2	100.8	101.8	103.8	101.5	103.2	102.9	102.5		
Utilities .....do ..	104.4	107.0	124.0	112.5	109.5	92.7	99.3	104.8	104.6	100.0	95.3	102.2	126.3	123.9	120.4	114.5		
Manufacturing .....do ..	105.8	108.9	107.4	107.4	109.2	108.4	111.9	107.0	112.0	112.8	111.2	108.6	105.5	104.3	108.2	108.8		
Durable .....do ..	107.6	110.9	110.8	110.7	112.3	111.2	113.9	107.3	112.2	113.8	111.6	110.1	108.2	106.1	110.8	112.0		
Nondurable .....do ..	103.6	106.4	103.1	103.4	105.2	105.0	109.4	106.6	111.7	111.7	110.7	106.6	102.1	101.9	105.0	104.7		
Seasonally Adjusted																		
Total index .....do ..	105.4	108.1	107.6	107.7	108.6	108.3	108.4	107.8	108.2	108.2	107.7	108.1	108.6	107.2	108.1	108.8		
By market groups:																		
Products, total .....do ..	105.3	108.6	107.8	108.3	108.9	108.9	109.1	108.2	108.5	108.8	108.1	108.9	109.7	108.1	109.3	110.0		
Final products .....do ..	105.6	109.1	108.1	108.7	109.5	109.6	109.8	108.7	109.1	109.6	108.5	109.4	110.3	108.2	109.6	110.4		
Consumer goods .....do ..	104.0	106.7	106.3	106.9	107.0	106.8	106.3	105.2	105.6	106.3	107.3	107.4	108.3	105.5	107.0	107.8		

See footnotes at end of tables.

Unless otherwise stated in footnotes
below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989												1990				
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.			
GENERAL BUSINESS INDICATORS—Continued																			
INDUSTRIAL PRODUCTION ◇—Continued																			
Seasonally Adjusted—Continued																			
By market groups—Continued																			
Final products—Continued																			
Consumer goods—Continued																			
Durable.....	1987 = 100..	104.9	107.9	109.3	109.0	110.0	109.2	108.4	105.6	105.8	107.6	106.8	105.7	106.8	99.1	107.1	"111.0	"111.0	
Automotive products.....	do	105.9	106.9	111.3	110.4	110.2	109.2	106.7	101.1	103.2	104.9	102.9	102.4	104.5	85.2	101.2	"109.5	"109.5	
Autos and trucks.....	do	105.3	105.7	112.3	110.3	109.8	109.6	106.2	97.1	101.1	103.1	99.7	98.4	100.1	66.3	92.1	"106.6	"106.6	
Other durable goods.....	do	104.1	108.8	107.7	110.0	109.3	109.2	107.9	109.8	109.8	109.8	108.4	108.6	110.1	111.7	111.7	"112.1	"112.1	
Nondurable.....	do	108.7	106.4	105.6	106.3	106.2	106.2	105.8	105.1	105.6	106.0	107.4	107.8	108.7	107.3	106.9	"107.0	"107.0	
Foods and tobacco.....	do	102.2	104.2	103.5	104.1	104.9	104.2	103.0	102.2	103.3	103.7	105.6	105.8	106.4	105.5	105.9	"105.0	"105.0	
Clothing.....	do														101.9	100.1	99.4	99.8	
Chemical products.....	do														110.3	111.3	110.3	111.7	
Paper products.....	do														117.2	118.1	116.9	116.2	
Energy products.....	do														106.0	108.0	115.2	102.6	
Equipment, total.....	do	107.6	112.8	110.4	110.9	112.6	113.1	114.3	113.2	113.6	113.8	110.1	112.0	112.9	111.6	112.9	"113.7	"113.7	
Business equipment.....	do	111.8	119.1	117.1	117.9	119.6	120.2	121.4	119.9	120.4	120.7	116.0	118.7	119.9	117.9	119.6	"120.8	"120.8	
Information processing and related.....	do														119.9	123.5	124.0	123.8	
Office and computing machines.....	do														132.8	141.0	142.7	142.2	
Industrial.....	do														112.4	113.4	112.8	113.9	
Transit.....	do	114.4	123.8	122.8	121.2	127.9	127.6	128.3	123.8	128.4	127.0	112.9	117.0	128.4	111.4	123.7	"131.5	"131.5	
Autos and trucks.....	do														97.6	98.0	69.6	93.3	
Defense and space equipment.....	do	98.0	97.4	96.6	96.1	97.1	97.6	98.3	98.7	98.9	98.9	96.6	96.7	96.6	97.5	97.6	"96.6	"96.6	
Oil and gas well drilling.....	do														97.3	99.9	100.3	98.3	
Manufactured homes.....	do														87.9	89.4	91.6	94.3	
Intermediate products.....	do	104.4	106.8	106.5	107.2	107.2	106.6	106.7	106.7	106.4	106.3	106.9	107.3	107.9	107.9	108.5	109.0	101.4	
Construction supplies.....	do	104.4	106.1	104.6	105.5	106.3	105.9	106.2	106.5	105.5	105.2	106.3	107.0	107.4	107.4	108.1	108.3	"108.3	
Business supplies.....	do	104.4	107.3	108.3	107.8	107.1	107.0	106.8	106.9	107.0	107.3	107.5	108.2	107.9	107.9	108.7	109.5	"109.5	
Materials.....	do	105.6	107.4	107.3	106.9	108.0	107.3	107.6	107.3	107.8	107.4	107.1	107.0	106.9	105.8	106.2	"107.0	"107.0	
Durable.....	do	109.0	111.6	112.1	111.1	112.3	111.5	112.1	111.5	112.0	112.0	110.8	110.8	110.4	109.5	110.9	"111.2	"111.2	
Nondurable.....	do	103.0	105.3	104.3	104.9	106.0	105.4	105.5	106.7	105.7	104.2	106.1	104.9	104.3	104.4	103.7	"103.4	"103.4	
Energy.....	do	101.8	101.3	101.3	100.8	101.9	101.2	101.0	100.1	101.7	101.6	101.3	101.9	102.7	100.3	99.7	"102.3	"102.3	
By industry groups:																			
Mining.....	do	101.8	100.5	98.9	98.3	101.7	101.1	100.4	100.0	100.7	101.6	100.7	101.2	100.1	102.4	100.8	"101.4	"101.4	
Metal mining.....	do	122.7	141.4	130.3	133.3	135.7	136.1	143.3	151.7	144.3	145.4	142.2	145.9	155.5	154.5	152.0	"151.0	"151.0	
Coal.....	do	105.0	105.7	102.7	105.1	111.1	104.7	100.3	101.1	103.1	109.6	109.9	108.1	108.5	114.1	111.9	"111.9	"111.9	
Oil and gas extraction #.....	do	99.4	95.5	95.3	93.9	96.7	97.0	96.3	94.9	96.3	95.9	94.3	95.5	94.0	94.9	93.7	"94.7	"94.7	
Crude oil.....	do	97.3	91.4	92.2	89.7	92.0	92.9	89.9	92.6	91.3	89.6	90.5	89.6	89.2	86.9	86.9	"86.9	"86.9	
Natural gas.....	do	102.5	102.7	103.4	101.1	103.9	104.3	103.9	104.0	102.9	102.7	102.0	104.2	102.0	101.3	103.0	"103.0	"103.0	
Stone and earth minerals.....	do	106.8	113.9	107.9	106.7	111.2	112.0	115.0	116.8	113.3	114.1	118.0	115.8	119.7	121.5	117.4	"116.7	"116.7	
Utilities.....	do	104.4	107.0	105.8	107.2	106.4	106.3	106.3	106.6	105.9	107.4	108.3	116.1	116.1	103.9	103.9	"109.0	"109.0	
Electric.....	do	104.6	108.1	106.9	108.0	107.1	107.4	107.6	108.5	108.1	107.1	109.7	109.5	116.3	104.9	103.7	"110.5	"110.5	
Gas.....	do														99.1	103.9	100.1	98.6	
Manufacturing.....	do	105.8	108.9	108.3	108.7	109.4	109.2	109.3	108.6	109.1	109.1	108.4	108.9	108.8	108.0	109.2	"109.5	"109.5	
Durable.....	do	107.6	110.9	110.5	110.9	111.6	111.4	111.8	110.6	111.3	111.5	109.4	110.1	110.4	108.6	110.5	"111.5	"111.5	
Lumber and products.....	do	104.6	103.1	99.9	100.8	102.7	102.0	102.3	103.5	102.8	102.4	102.6	103.2	104.8	106.4	105.7	103.6	"105.1	
Furniture and fixtures.....	do	103.6	105.3	103.8	105.5	105.8	107.9	107.0	104.9	104.5	105.7	105.6	104.4	105.1	105.2	104.6	"103.9	"103.9	
Clay, glass, and stone products.....	do	106.4	108.0	108.4	107.7	107.7	108.2	108.0	106.2	107.8	106.5	107.7	108.2	108.6	110.1	109.1	"108.9	"108.9	
Primary metals.....	do	110.3	109.2	112.0	108.8	112.7	107.0	108.7	111.7	109.9	108.6	104.8	102.6	106.7	108.2	104.9	"104.9	"104.9	
Iron and steel.....	do	113.8	109.3	114.7	109.3	115.4	104.8	107.1	109.8	109.8	107.3	109.2	104.1	100.3	107.5	110.4	"104.4	"104.4	
Nonferrous.....	do	105.4	109.0	108.1	108.7	108.7	110.0	110.9	110.4	109.8	109.8	107.6	105.5	105.5	104.9	105.0	"105.6	"105.6	
Fabricated metal products.....	do	106.2	107.2	107.4	106.9	107.9	107.0	108.3	107.6	106.5	106.0	105.9	106.9	106.3	105.3	105.3	"106.2	"106.2	
Nonelectrical machinery.....	do	113.8	121.8	120.5	121.9	121.6	121.8	123.4	121.6	121.8	123.4	119.0	122.9	123.8	123.3	122.8	"123.0	"123.0	
Electrical machinery.....	do	106.5	109.5	108.4	109.2	110.1	108.8	109.1	108.6	110.6	110.6	110.8	110.1	110.1	110.0	111.0	"111.9	"111.9	
Transportation equipment.....	do	105.0	107.2	108.3	108.7	109.4	109.6	109.0	106.6	107.8	108.0	102.1	102.8	104.4	94.7	103.1	"107.9	"107.9	
Motor vehicles and parts.....	do	105.5	104.9	110.6	108.9	108.6	107.8	105.0	99.6	102.7	102.2	103.2	99.7	99.0	98.7	76.8	94.3	"103.8	"103.8
Instruments.....	do	110.1	116.4	114.9	115.2	117.5	118.3	118.5	116.4	116.2	116.1	115.6	114.8	116.0	116.8	116.3	"116.6	"116.6	
Nondurable.....	do	103.6	106.4	105.6	105.9	106.4	106.2	106.1	106.2	106.0	107.2	107.3	106.7	107.3	107.3	107.5	"107.0	"107.0	
Foods.....	do	102.8	105.5	104.0	104.5	106.2	105.5	104.2	104.0	104.8	105.4	106.8	107.4	108					

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BUSINESS STATISTICS, 1961-88

Units	Annual		1989											1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
GENERAL BUSINESS INDICATORS—Continued																	
BUSINESS INVENTORIES																	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total .....	.....	743,191	784,384	765,124	771,436	778,788	781,642	781,130	785,197	783,810	786,474	805,456	811,676	784,384	789,371	794,229
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total .....	.....	753,299	795,415	764,440	766,954	772,761	779,436	782,288	789,043	791,798	792,119	794,757	798,104	795,415	797,515	794,604
Manufacturing, total	do	354,163	371,082	359,056	361,130	363,458	365,055	366,492	370,803	371,489	370,890	371,712	372,813	371,082	374,439	373,907	
Durable goods industries	do	233,666	246,222	238,165	239,330	240,486	241,689	242,295	245,813	246,378	245,621	246,427	247,610	246,222	248,300	247,571	
Non durable goods industries	do	120,497	124,860	120,891	121,800	122,972	123,366	124,197	124,990	125,111	125,269	125,235	125,203	124,860	126,139	126,336	
Retail trade, total	do	220,510	235,514	223,613	224,375	226,366	229,775	231,059	232,127	234,579	236,181	234,942	236,234	235,514	234,301	231,672	
Durable goods stores	do	114,248	117,169	114,386	114,441	115,669	117,142	117,826	118,248	119,925	121,048	118,450	118,667	117,169	114,735	113,048	
Merchant wholesalers, total	do	180,313	188,819	181,771	181,449	182,937	184,606	186,113	185,730	185,098	188,103	189,057	188,819	189,375	189,025	189,025	
Durable goods establishments	do	117,314	123,954	119,298	118,614	120,331	121,789	121,874	123,602	122,939	122,148	123,716	124,363	123,954	125,510	126,082	
Non durable goods establishments	do	62,999	64,865	62,473	62,835	62,606	62,817	62,863	62,511	62,791	62,950	64,387	64,694	64,865	63,865	62,943	
Mfg. and trade inventories in constant (1982) dollars, end of period (seas. adj.), total	bil. \$	.....	690.8	690.5	691.1	693.0	694.5	697.0	699.0	697.0	701.4	705.3	702.0	700.7	696.8	.....
Manufacturing	do	323.8	328.3	329.1	329.6	330.4	332.5	334.4	332.4	333.5	334.2	332.2	332.0	335.0	334.4	.....
Retail trade	do	195.5	195.7	194.9	195.6	196.4	194.7	196.1	196.0	197.7	200.0	199.3	195.4	192.4	192.4	.....
Merchant wholesalers	do	166.9	166.5	167.1	167.8	167.8	168.8	168.6	167.7	170.2	171.1	170.4	170.3	170.0	170.0	.....
BUSINESS INVENTORY-SALES RATIOS																	
Manufacturing and trade, total	ratio	.....	1.49	1.50	1.48	1.49	1.50	1.53	1.49	1.50	1.51	1.51	1.51	1.51	1.51	1.48
Manufacturing, total	do	.....	1.57	1.58	1.55	1.57	1.58	1.64	1.56	1.59	1.60	1.60	1.61	1.65	1.60	.....
Durable goods industries	do	1.97	1.99	1.95	1.97	1.99	2.10	1.92	1.97	2.02	2.01	2.02	2.13	2.01	2.01	.....
Materials and supplies	do	.55	.56	.54	.54	.55	.58	.53	.54	.56	.55	.55	.55	.55	.55	.....
Work in process	do	.91	.93	.92	.93	.94	.99	.91	.93	.95	.95	.96	.96	.96	.96	.....
Finished goods	do	.51	.50	.49	.49	.50	.53	.48	.50	.51	.51	.50	.53	.50	.50	.....
Nondurable goods industries	do	1.13	1.13	1.11	1.12	1.13	1.15	1.14	1.15	1.14	1.14	1.14	1.15	1.15	1.14	.....
Materials and supplies	do	.44	.44	.42	.42	.43	.43	.43	.43	.42	.43	.42	.43	.43	.42	.....
Work in process	do	.18	.19	.19	.18	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.....
Finished goods	do	.51	.51	.50	.51	.52	.53	.52	.53	.52	.52	.52	.53	.52	.53	.....
Retail trade, total	do	1.58	1.59	1.58	1.60	1.60	1.60	1.60	1.60	1.62	1.62	1.61	1.62	1.56	1.55	.....
Durable goods stores	do	2.17	2.17	2.15	2.18	2.19	2.18	2.16	2.18	2.21	2.21	2.22	2.22	2.04	2.07	.....
Non durable goods stores	do	1.23	1.24	1.23	1.25	1.25	1.25	1.26	1.25	1.27	1.27	1.27	1.27	1.25	1.25	.....
Merchant wholesalers, total	do	1.27	1.26	1.26	1.26	1.27	1.28	1.27	1.26	1.27	1.27	1.27	1.26	1.25	1.25	.....
Durable goods establishments	do	1.69	1.69	1.70	1.69	1.72	1.73	1.69	1.69	1.69	1.69	1.68	1.69	1.64	1.63	.....
Non durable goods establishments	do	.86	.86	.84	.85	.84	.85	.85	.84	.86	.86	.86	.85	.85	.84	.....
Manufacturing and trade in constant (1982) dollars, total	do	1.50	1.51	1.49	1.50	1.50	1.52	1.48	1.49	1.51	1.51	1.51	1.51	1.52	1.49	.....
Manufacturing	do	1.57	1.58	1.55	1.57	1.58	1.63	1.55	1.58	1.59	1.59	1.59	1.59	1.59	1.59	1.59
Retail trade	do	1.55	1.56	1.54	1.54	1.55	1.52	1.52	1.51	1.51	1.55	1.57	1.56	1.56	1.52	1.50
Merchant wholesalers	do	1.34	1.34	1.32	1.33	1.34	1.34	1.34	1.32	1.31	1.33	1.33	1.31	1.31	1.31	1.31
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS																	
Shipments (not seas. adj.), total	mil. \$	2,611,589	2,781,576	229,134	288,698	235,253	238,725	245,779	207,794	233,026	247,693	238,230	231,320	228,665	207,320	234,051
Durable goods industries, total	do	1,388,211	1,471,549	121,870	128,704	125,254	124,198	131,766	104,423	122,298	132,337	125,350	122,261	122,669	104,025	123,492
Stone, clay, and glass products	do	64,044	64,755	5,064	5,221	5,709	5,556	5,915	5,034	5,725	5,715	5,900	5,414	4,648	4,772	5,172
Primary metals	do	142,196	145,416	12,905	13,075	12,940	12,537	12,955	11,040	12,120	12,210	12,059	11,271	10,107	10,771	11,402
Blast furnaces, steel mills	do	60,950	59,248	5,198	5,365	5,391	5,239	5,208	4,464	4,863	4,841	4,890	4,586	4,118	4,429	4,635
Fabricated metal products	do	144,064	162,639	13,210	14,012	13,591	13,760	14,369	12,419	13,927	14,581	14,506	13,693	12,713	12,129	14,180
Machinery, except electrical	do	247,152	265,523	21,421	24,125	22,010	21,972	25,744	19,405	20,950	24,436	21,561	21,345	24,448	19,119	21,710
Electrical machinery	do	227,136	239,351	19,078	20,808	19,558	19,324	21,282	17,369	19,854	22,314	20,365	21,890	17,600	20,479	.....
Transportation equipment	do	351,927	372,910	32,477	32,811	32,854	32,534	31,883	31,224	33,365	31,212	31,955	31,435	32,706	32,187	.....
Motor vehicles and parts	do	219,257	232,849	21,773	20,518	21,739	21,266	19,246	11,728	19,455	19,962	20,121	20,636	16,248	20,276	.....
Instruments and related products	do	72,456	77,110	6,188	6,535	6,085	6,387	6,949	6,134	7,055	6,659	6,456	6,371	6,010	6,372	.....
Nondurable goods industries, total	do	1,223,378	1,310,027	107,264	109,994	109,999	109,532	114,013	103,371	110,728	115,356	112,880	109,059	105,996	103,295	110,559
Food and kindred products	do	356,804	388,481	31,572	32,928	31,613	32,421	33,322	30,693	32,654	34,416	33,791	32,689	32,360	30,408	33,019
Tobacco products	do	22,240	24,101	1,574	2,392	1,733	2,267	2,399	1,300	1,886	2,331	2,111	2,363	2,527	1,366	1,703
Textile mill products	do	59,774	63,606	5,397	5,615	5,236	5,268	5,747	4,531	5,607	5,754	5,657	5,428	4,500	4,563	5,137
Paper and allied products	do	124,187	130,403	11,036	11,098	11,001	10,787	11,387	10,439	10,949	11,091	11,046	10,641	10,105	10,543	10,985
Chemical and allied products	do	240,476	255,598	21,483	21,960	22,413	21,739	22,463	20,213	21,099	21,337	20,566	20,202	20,696	20,595	21,570
Petroleum and coal products	do	124,218	138,439	10,162	10,611	12,094	11,933	12,331	11,905	11,495	12,076	12,103	11,545	12,205	12,468	11,888
Rubber and plastics products	do	91,089	95,768	8,200	8,162	8,466	8,516	8,688	7,194	8,127	8,249	7,954	7,322	7,081	6,909	7,720
Shipments (seas. adj.), total	do	.....	228,353	228,048	234,042	233,071	231,236	225,922	238,150	233,562	231,995	23				

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual			1989									1990				
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
GENERAL BUSINESS INDICATORS—Continued																		
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued																		
Shipments (seas. adj.)—Continued																		
By market category:																		
Home goods and apparel	
mil. \$	170,754	177,232	14,797	14,608	14,894	14,660	14,668	14,513	14,823	14,657	14,918	14,745	14,843	14,522	14,595	.....	.....
Consumer staples	46,704	47,256	.....
Equipment and defense products,	
except auto	433,758	465,007	37,153	37,802	38,837	38,616	38,878	38,317	40,285	40,530	38,644	39,184	39,904	39,979	40,953	.....
Automotive equipment	
Construction materials, supplies, and	
intermediate products	
Other materials, supplies, and	
intermediate products	
Supplementary series:	
Household durables	79,081	83,076	6,955	6,864	6,977	6,948	6,781	6,705	6,918	6,758	7,025	6,997	7,172	6,881	7,075	
Capital goods industries	487,056	520,016	41,858	42,528	43,232	43,224	43,984	42,456	45,082	44,962	42,424	42,875	44,759	43,676	44,854	.....
Nondefense	380,418	413,797	33,455	34,079	34,599	34,527	34,759	34,263	36,146	35,730	34,171	34,122	34,961	35,179	36,618	.....
Defense	106,638	106,219	8,403	8,449	8,633	8,697	9,225	8,193	8,936	9,232	8,253	8,753	8,978	8,497	8,236	.....
Inventories, end of year or month:	
Book value (non-LIFO basis),	
(unadjusted), total	348,465	364,814	360,741	362,082	365,848	368,621	366,693	371,440	372,752	369,102	370,808	371,439	364,814	373,329	375,791	.....
Durable goods industries, total	229,040	241,304	238,967	240,180	242,195	244,712	242,874	246,576	247,377	244,580	245,807	246,486	241,304	246,741	248,738	.....
Nondurable goods industries, total	119,425	123,510	121,774	121,902	123,653	123,909	123,819	124,864	125,375	124,522	125,001	124,953	123,510	126,588	127,053	.....
Book value (non-LIFO basis),	
(seasonally adjusted), total	354,163	371,082	359,056	361,130	363,458	365,055	366,492	370,803	371,489	370,890	371,712	372,813	371,082	374,439	373,907	.....
By industry group:	
Durable goods industries,	
total #	233,666	246,222	238,165	239,330	240,486	241,689	242,295	245,813	246,378	245,621	246,427	247,610	246,222	248,300	247,571	.....
Stone, clay, and glass products	7,505	7,800	7,609	7,630	7,704	7,740	7,748	7,840	7,799	7,844	7,870	7,832	7,800	7,768	7,768	.....
Primary metals	20,279	20,565	20,785	20,880	21,036	21,223	21,275	21,413	21,233	21,040	20,822	20,742	20,565	20,528	20,583	.....
Blast furnaces, steel mills	10,119	10,509	10,353	10,537	10,563	10,526	10,582	10,655	10,613	10,533	10,570	10,509	10,625	10,675	10,675	.....
Fabricated metal products	23,552	23,303	23,771	23,962	23,947	23,892	23,726	24,105	24,170	23,934	23,761	23,732	23,303	23,966	23,987	.....
Machinery, except electrical	46,729	48,061	47,532	47,730	47,660	47,820	47,885	48,234	48,370	48,429	48,411	48,681	48,332	48,292	48,332	.....
Electrical machinery	40,683	40,730	41,371	41,288	41,553	41,564	41,087	41,787	41,316	41,318	41,191	40,730	40,971	40,957	40,957	.....
Transportation equipment	65,229	72,845	65,365	65,996	66,681	67,557	68,333	70,081	70,164	69,785	71,725	72,845	73,770	73,234	73,234	.....
Motor vehicles and parts	11,839	11,846	12,246	12,169	12,134	12,237	12,152	13,030	12,686	12,339	12,433	12,310	11,846	12,169	11,849	.....
Instruments and related products	14,040	14,017	14,218	14,336	14,361	14,062	14,107	14,098	14,095	14,277	14,350	14,452	14,017	14,205	14,167	.....
By stage of fabrication:	
Materials and supplies	65,252	67,375	66,852	67,278	66,887	66,748	66,681	67,565	67,746	67,611	68,010	68,058	67,375	68,102	67,627	.....
Work in process	108,392	117,303	110,118	111,555	113,381	114,291	114,668	115,477	115,756	117,156	117,051	117,303	118,862	117,927	117,927	.....
Finished goods	60,022	61,544	61,195	60,497	60,218	60,650	60,946	61,761	62,072	62,533	62,661	62,501	61,544	61,336	62,017	.....
Nondurable goods industries, total	120,497	124,860	120,891	121,800	122,972	123,366	124,197	124,990	125,111	125,269	125,285	125,203	124,860	126,139	126,336	.....
Food and kindred products	26,361	26,342	26,245	26,301	26,588	26,181	26,180	26,416	26,326	26,442	26,243	26,342	26,357	26,357	26,315	.....
Tobacco products	5,609	5,459	5,432	5,372	5,403	5,431	5,525	5,669	5,659	5,587	5,583	5,551	5,459	5,722	5,843	.....
Textile mill products	7,605	8,153	7,606	7,495	7,648	7,810	7,803	7,973	8,093	8,086	8,140	8,071	8,153	8,552	8,623	.....
Paper and allied products	12,065	12,571	11,941	11,905	11,943	12,070	12,320	12,483	12,572	12,597	12,605	12,554	12,571	12,722	12,653	.....
Chemicals and allied products	27,515	28,918	27,880	28,510	28,816	29,069	29,182	29,209	29,396	29,415	29,386	29,273	28,918	28,578	28,716	.....
Petroleum and coal products	8,879	10,440	9,578	9,897	10,346	10,423	10,695	10,554	10,452	10,335	10,370	10,286	10,440	11,277	11,239	.....
Rubber and plastics products	10,326	10,542	10,405	10,572	10,555	10,567	10,619	10,657	10,631	10,629	10,640	10,592	10,542	10,427	10,372	.....
By stage of fabrication:	
Materials and supplies	47,294	48,789	46,900	46,858	46,780	46,679	46,773	46,891	47,073	46,643	46,769	47,069	46,789	46,812	46,814	.....
Work in process	19,291	20,925	19,522	20,075	20,493	20,290	20,524	20,837	20,919	20,985	21,405	21,146	20,925	21,081	20,970	.....
Finished goods	53,912	57,146	54,469	54,867	55,699	56,397	56,900	57,262	57,119	57,641	57,111	56,988	57,146	58,246	58,552	.....
By market category:	
Home goods and apparel	26,313	27,766	26,058	26,053	26,257	26,419	26,286	26,811	27,218	27,548	27,729	27,937	27,766	28,024	28,068	.....
Consumer staples	44,900	45,526	44,273	44,454	44,977	44,909	45,269	45,666	45,788	45,777	45,731	45,711	45,528	46,072	46,125	.....
Equip. and defense prod., exc. auto	105,287	114,147	107,523	108,309	109,160	109,580	110,611	111,854	112,073	113,923	112,353	113,574	114,147	114,916	114,326	.....
Automotive equipment	14,611	14,818	15,045	15,013	15,165	15,245	15,287	16,243	15,845	15,428	15,447	15,266	14,818	15,147	14,885	.....
Construction materials, supplies, and	25,250	25,727	25,059	25,042	24,986	25,405	25,521	26,038	26,087	26,025	26,059	25,987	25,727	25,785	25,757	.....
Other materials, supplies, and	137,802	143,098	141,092	142,259	142,913	143,497	143,518	144,191	144,478	144,189	144,393	144,388	143,098	144,495	144,746	.....
Supplementary series:	
Household durables	12,791	13,531	12,927	13,046	13,110	13,146	13,026	13,232	13,513	13,687	13,688	13,717	13,531	13,663	13,604	.....
Capital goods industries	121,064	131,867	124,034	124,742	125,413	126,541	127,190	128,543	129,122	128,834	129,794	131,239	131,867	133,021	132,726	.....
Nondefense	85,691	93,930	88,241	88,326	89,051	89,755	90,414	91,443	91,720	91,803	92,075	93,098	93,930	94,423	93,839	.....
Defense	35,373	37,937	35,793	36,416	36,362	36,786	37,100	37,402	37,031	37,719	38,141	37,937	38,608	38,887	38,887	.....
New orders, net (unadj.), total	2,659,525	2,829,934	2,310,306	2,33,												

See footnotes at end of tables

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989										1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
GENERAL BUSINESS INDICATORS—Continued																	
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued																	
Unfilled orders, end of period (unadjusted), total.....	.....mil. \$..	463,934	509,942	480,632	488,259	493,060	490,531	491,250	496,816	492,888	493,140	492,279	499,483	509,942	516,472	516,337	.....
Durable goods industries, total	do	443,957	490,624	460,302	467,347	472,295	469,368	470,213	475,754	471,779	472,195	472,112	479,895	490,624	496,924	496,858	.....
Nondurable goods industries with unfilled orders †	do	19,977	19,318	20,330	20,912	20,765	20,663	21,037	21,062	21,109	20,945	20,167	19,588	19,318	19,548	19,479	.....
Unfilled orders, end of period (seasonally adjusted) total .....	.....mil. \$..	468,860	514,499	476,403	481,366	487,231	487,913	491,834	496,859	495,002	495,794	497,866	504,750	514,499	515,341	512,812	.....
By industry group:																	
Durable goods industries, total #	do	447,868	494,196	455,952	460,897	466,938	467,500	470,917	475,894	474,253	475,087	477,509	484,475	494,196	495,365	493,115	.....
Primary metals	do	25,737	22,510	25,996	25,504	25,883	26,114	25,705	25,115	24,151	23,572	22,775	22,525	22,510	22,617	22,292	.....
Blast furnaces, steel mills	do	10,903	8,730	11,553	11,085	10,698	10,520	9,655	9,117	8,795	8,718	8,593	8,730	8,961	8,838	8,838	.....
Nonferrous and other pri- mary metals	do	12,591	11,444	12,106	12,075	12,781	13,140	13,190	13,059	12,634	12,431	11,737	11,611	11,444	11,352	11,128	.....
Fabricated metal products	do	28,406	25,550	28,524	28,299	28,037	27,459	27,567	26,995	26,210	25,960	25,852	25,538	25,550	25,750	25,395	.....
Machinery, except electrical	do	59,963	61,472	60,888	61,145	61,822	61,857	62,647	61,978	61,779	62,088	61,579	61,900	61,472	61,731	61,742	.....
Electrical machinery	do	93,498	94,322	93,615	92,346	91,937	90,662	90,416	90,625	89,985	90,571	90,772	92,387	94,322	93,265	93,265	.....
Transportation equipment	do	212,120	262,703	219,102	225,854	281,427	233,720	237,131	244,047	245,266	245,654	249,020	254,657	262,703	264,447	263,602	.....
Aircraft, missiles, and parts	do	174,722	224,779	181,110	187,793	193,939	196,185	198,610	206,512	208,617	209,565	212,498	218,199	224,779	226,718	225,389	.....
Nondurable goods industries with unfilled orders †	do	20,992	20,303	20,451	20,469	20,293	20,413	20,917	20,525	20,749	20,707	20,357	20,275	20,303	19,976	19,697	.....
By market category:																	
Home goods and apparel	do	8,387	8,679	8,585	8,450	8,533	8,234	8,124	8,151	8,097	8,263	8,498	8,564	8,679	8,160	7,636	.....
Consumer staples	do	836	867	755	731	687	921	1,004	920	949	913	914	927	867	824	803	.....
Equip. and defense prod., excl.																	
auto	do	286,731	328,716	293,375	297,284	302,675	304,197	308,388	310,782	310,586	311,763	313,753	319,075	328,716	330,611	329,325	.....
Automotive equipment	do	8,888	7,677	8,827	8,818	8,640	8,395	8,294	8,115	7,972	7,817	7,672	7,697	7,677	7,673	7,448	.....
Construction materials, supplies, and intermediate products	do	15,541	13,989	15,094	14,949	14,842	14,806	14,670	14,851	13,789	13,872	13,790	13,665	13,989	14,009	13,510	.....
Other materials, supplies, and intermediate products	do	148,477	154,571	149,767	151,134	151,854	151,360	151,354	154,040	153,609	153,166	153,244	154,822	154,571	154,064	154,090	.....
Supplementary series:																	
Household durables	do	6,122	6,099	6,253	6,092	6,224	5,925	5,817	5,913	5,908	6,043	6,157	6,154	6,099	5,782	5,453	.....
Capital goods industries	do	345,037	398,602	353,634	359,704	365,412	367,050	371,150	377,765	378,787	381,909	389,202	398,602	399,747	398,827	398,827	.....
Nondefense	do	179,640	231,182	190,396	194,454	200,244	203,007	207,394	214,576	215,560	215,171	216,975	221,754	231,182	234,335	238,751	.....
Defense	do	165,397	167,420	163,238	165,250	165,168	164,043	163,756	163,189	162,209	163,616	164,934	167,448	167,420	165,412	165,076	.....
BUSINESS INCORPORATIONS @																	
New incorporations (50 States and Dist. Col.):																	
Unadjusted	number..	685,095	677,394	55,905	68,311	55,411	62,242	61,041	51,373	56,755	51,014	53,175	50,214	54,017	62,040	.....
Seasonally adjusted	do			58,724	60,133	55,245	57,738	57,586	54,478	54,502	53,282	53,180	57,040	59,255			
INDUSTRIAL AND COMMERCIAL FAILURES @																	
Failures, total	number..	57,099	49,719	4,276	4,783	3,926	4,406	4,180	3,679	4,231	3,676	4,226	3,989	3,684	.....	
Commercial service	do	22,752	17,399	1,650	1,732	1,411	1,655	1,441	1,281	1,394	1,230	1,289	1,325	1,299	.....	
Construction	do	6,828	6,829	566	649	538	573	586	539	628	532	607	530	498	.....	
Manufacturing and mining	do	4,719	4,184	359	379	288	357	321	300	387	336	387	380	291	.....	
Retail trade	do	11,487	10,803	890	1,080	814	948	962	820	882	968	882	799	823	.....	
Wholesale trade	do	3,459	3,606	270	380	315	304	304	236	314	275	319	287	264	.....	
Liabilities (current), total	mil. \$..	35,908.1	35,663.6	2,316.1	2,948.0	6,145.6	1,873.2	2,186.0	4,073.4	2,960.0	1,751.2	2,223.9	2,000.8	5,085.4	.....	
Commercial service	do	7,987.2	6,310.0	376.2	425.0	1,076.8	428.8	441.5	413.2	596.8	453.6	487.4	566.0	554.4	.....	
Construction	do	1,878.6	2,583.1	94.8	262.7	129.3	141.1	100.9	141.9	188.9	169.7	225.7	115.0	914.2	.....	
Manufacturing and mining	do	4,550.0	3,802.6	264.7	166.4	326.9	234.0	290.9	312.7	284.8	239.8	159.9	185.9	945.5	.....	
Retail trade	do	3,986.4	3,203.3	161.3	200.4	149.7	139.5	259.8	285.2	1,091.6	229.9	201.1	158.7	235.5	.....	
Wholesale trade	do	2,071.7	1,026.6	104.6	77.6	63.2	106.2	81.1	59.0	86.2	45.6	93.9	104.9	110.2	.....	
Failure annual rate.....No. per 10,000 concerns..		98.0															

COMMODITY PRICES

PRICES RECEIVED AND PAID BY FARMERS †																	
Prices received, all farm products.....1910-14=100..	632	674	681	684	676	682	674	673	661	656	662	672	681	705	693	703	.....
Crops #	546	582	601	598	612	613	596	592	554	547	552	555	551	587	577	581	.....
Commercial vegetables	716	775	853	765	871	778	755	835	698	663	714	691	742	1,260	1,119	1,064	.....
Cotton	485	502	446	496	492	483	502	508	540	555	552	519	505	527	.....	
Feed grains and hay	378	405	430	426	426	436	415	398	379	373	371	373	375	379	383	383	.....
Food grains	378	428	442	445	442	441	426	421	417	416	418	411	420	414	399	386	.....
Fruit	683	704	686	641	667	751	743	658	675	736	771	771	673	616	638	682	.....
Tobacco	1,295	1,400	1,390	1,390	1,395	1,395	1,395	1,392	1,377	1,441	1,416	1,398	1,400	1,398	1,396	1,396	.....
Livestock and products #	721	769	762	773	742	752	754	75									

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88

Units	Annual		1989											1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
COMMODITY PRICES—Continued																	
CONSUMER PRICES—Continued <i>(U.S. Department of Labor Indexes)—Continued</i>																	
Not Seasonally Adjusted																	
All items (CPI-U)—Continued	1982-84=100..	111.5	116.7	114.3	115.2	116.7	117.5	117.2	117.0	116.7	117.3	118.1	118.3	118.2	119.9	120.6	121.1
Commodities.....	do	111.8	118.2	114.9	116.2	118.4	119.3	119.0	118.7	118.4	119.3	120.1	120.0	119.8	122.0	122.9	123.8
Nondurables.....	do	105.8	111.7	107.6	109.4	112.8	113.9	113.1	112.2	111.5	112.9	114.1	113.6	112.6	114.2	115.0	116.5
Nondurables less food.....	do	110.4	112.2	112.4	111.9	111.8	111.9	112.1	111.9	111.4	111.3	112.1	113.0	113.5	113.8	113.7	113.4
Durables.....	do	107.7	112.0	109.5	110.5	112.5	113.2	112.8	112.1	111.6	112.4	113.4	113.4	113.0	114.1	114.6	115.4
Services.....	do	125.7	131.9	129.4	130.0	130.2	130.8	131.6	132.5	133.1	133.4	133.7	134.1	134.6	135.4	136.0	136.9
Food #.....	do	118.2	125.1	122.9	123.5	124.2	124.9	125.0	125.5	125.8	126.1	126.9	127.4	130.4	131.3	131.5	
Food at home.....	do	116.6	124.2	122.0	122.7	123.5	124.4	124.3	124.8	124.9	125.0	125.4	125.8	126.5	131.0	132.1	131.9
Housing.....	do	118.5	123.0	121.1	121.5	121.6	122.1	122.9	123.9	124.2	124.3	124.5	124.9	125.9	126.1	126.8	
Shelter #.....	do	127.1	132.8	130.3	131.2	131.2	131.8	132.3	133.6	134.1	134.8	135.2	135.6	136.3	136.6	137.8	
Rent, residential.....	do	127.8	132.8	130.9	131.1	131.4	131.7	132.3	133.0	133.5	133.9	134.7	135.2	135.8	136.0	136.5	
Homeowners' cost.....	12/82=100..	131.1	137.3	134.7	135.0	135.4	136.2	136.5	137.3	138.1	138.9	139.7	140.3	140.9	141.1	142.2	
Fuel and other utilities #.....	1982-84=100..	104.4	107.8	105.9	106.2	107.0	109.2	109.7	109.7	108.0	107.5	108.4	110.8	110.2	109.9		
Fuel oil and other household fuel commodities.....	do	78.1	81.7	81.4	81.5	82.5	81.5	80.2	79.7	78.9	79.3	82.0	83.9	88.7	113.1	95.4	91.5
Gas (piped) and electricity.....	do	104.6	107.5	104.9	104.8	105.0	106.1	110.5	111.1	111.3	111.0	107.6	106.1	107.0	107.5	108.3	107.9
Household furnishings and operation.....	do	109.4	111.2	110.9	110.5	110.7	110.8	111.1	111.4	111.4	111.7	111.9	111.9	111.7	112.1	112.8	112.8
Apparel and upkeep.....	do	115.4	118.6	115.3	119.3	120.9	120.4	117.8	115.0	115.0	120.0	122.7	122.1	119.2	116.7	120.4	125.4
Transportation.....	do	108.7	114.1	111.6	111.9	114.6	116.0	115.9	115.4	114.3	118.7	114.5	115.0	115.2	117.1	116.8	
Private.....	do	107.6	112.9	110.3	110.7	113.6	115.0	114.9	114.3	113.1	112.4	113.3	113.7	113.9	115.9	115.6	115.1
New cars.....	do	116.9	119.2	119.6	119.4	119.5	119.1	118.6	117.7	117.0	118.6	118.6	120.5	121.8	122.3	121.9	121.3
Used cars.....	do	118.0	120.4	120.5	120.5	120.7	121.0	121.3	121.1	120.3	119.8	119.7	120.1	119.7	118.9	117.4	116.6
Public.....	do	123.3	129.5	128.1	128.2	128.4	128.9	129.6	129.7	130.1	130.1	131.3	131.7	134.2	136.7	139.1	
Medical care.....	do	138.6	149.3	145.2	146.1	146.8	147.5	148.5	149.7	150.7	151.7	152.7	153.9	154.4	155.9	157.5	158.7
Seasonally Adjusted ‡																	
All items, percent change from previous month.....		.4	.5	.7	.4	.2	.3	.0	.2	.5	.3	.4	.1	.5	.4	.4	
Commodities.....	1982-84=100..	114.8	115.3	116.6	117.2	117.3	117.3	116.8	117.1	117.7	118.0	118.2	120.3	121.0	121.1	121.1	
Commodities less food.....	do	110.4	110.9	112.5	113.0	112.9	112.8	111.9	112.2	112.8	112.9	113.1	114.9	115.6	115.8		
Food.....	do	122.7	123.5	124.2	124.9	125.2	125.6	125.9	126.3	126.8	127.4	128.0	130.5	131.1	131.5		
Food at home.....	do	121.5	122.5	123.2	124.1	124.4	124.9	125.1	125.6	126.5	127.1	130.8	131.5	131.7			
Apparel and upkeep.....	do	117.7	118.8	119.3	119.5	118.9	118.3	116.9	118.6	119.4	119.4	119.0	119.0	122.9	124.9		
Transportation.....	do	112.1	112.6	115.1	115.8	115.7	115.8	114.2	113.9	114.6	115.0	115.4	116.6	117.4	117.7		
Private.....	do	111.0	111.5	114.2	114.8	114.3	114.0	113.0	112.7	113.3	113.4	113.8	114.2	116.2	116.3		
New cars.....	do	119.1	119.5	119.5	119.5	119.3	118.8	118.5	118.1	118.8	119.8	120.8	121.6	121.4	121.2		
Services.....	do	129.6	130.2	130.6	131.1	131.6	132.3	132.3	132.7	133.0	134.2	134.9	135.7	136.2	137.1		
PRODUCER PRICES § <i>(U.S. Department of Labor Indexes)</i>																	
Not Seasonally Adjusted																	
All commodities.....	1982=100..	106.9	112.2	110.8	111.5	112.3	113.2	112.9	112.8	112.0	112.4	112.8	112.7	113.0	114.9	114.4	114.2
By stage of processing:																	
Crude materials for further processing.....	do	96.0	103.0	101.2	103.2	104.4	106.1	104.1	103.9	101.1	102.3	102.1	102.6	104.0	106.7	105.6	
Intermediate materials, supplies, and components.....	do	107.1	112.0	111.0	111.5	112.4	112.7	112.7	112.5	112.0	112.4	112.3	112.0	113.4	112.5	112.4	
Finished goods #.....	do	108.0	113.5	111.7	112.1	113.0	114.2	114.3	113.4	113.4	114.5	114.9	115.3	117.5	117.4	117.0	
Finished consumer goods.....	do	106.2	112.1	110.1	110.6	111.8	112.2	112.8	111.9	112.2	113.3	113.2	113.9	116.6	116.3	115.8	
Capital equipment.....	do	114.3	118.7	117.5	117.6	118.3	118.8	118.7	119.0	118.9	118.9	120.5	120.7	121.1	121.4	121.8	
By durability of product:																	
Durable goods.....	do	114.7	119.0	118.3	118.5	118.7	118.9	119.0	118.8	119.0	119.2	120.2	119.9	119.6	120.0	119.9	120.4
Nondurable goods.....	do	101.1	107.1	105.2	106.1	107.4	108.6	108.2	108.1	106.7	107.2	107.2	107.2	108.0	110.7	110.0	109.3
Total manufactures.....	do	109.1	114.3	112.9	113.4	114.4	115.0	114.9	114.7	114.2	114.5	115.2	115.1	115.6	116.0	116.1	
Durable manufactures.....	do	114.1	118.3	117.4	117.6	117.8	118.1	118.3	118.2	118.4	118.6	119.5	119.2	119.6	119.9	119.9	
Nondurable manufactures.....	do	104.1	110.2	108.3	109.2	110.8	111.6	111.3	110.9	110.4	110.7	110.7	110.4	111.1	113.1	112.2	
Farm products processed foods and feeds.....	do	110.0	115.3	114.6	116.1	115.0	116.8	115.4	115.5	115.0	114.5	114.5	115.6	116.5	118.2	118.5	118.7
Farm products.....	do	104.9	110.7	110.8	113.8	111.0	115.1	111.8	110.5	109.3	108.0	107.8	111.1	114.5	115.7	115.0	115.8
Foods and feeds, processed.....	do	112.7	117.8	116.6	117.5	117.2	117.9	117.4	118.1	117.9	117.9	118.9	119.3	120.2	120.0	120.8	
Industrial commodities.....	do	106.3	111.6	110.1	110.5	111.8	112.4	112.4	112.2	111.9	111.9	112.4	112.1	112.3	114.2	113.6	113.2
Chemicals and allied products.....	do	116.3	123.1	124.3	124.5	124.9	124.1	124.1	123.1	121.9	121.4	121.4	121.0	120.9	122.0	122.1	122.1
Fuels and related prod., and power.....	do	66.7	72.9	68.9	69.9	74.2	76.0	75.8	75.5	72.0	73.9	73.7</td					

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
CONSTRUCTION AND REAL ESTATE																	
CONSTRUCTION PUT IN PLACE																	
New construction (unadjusted), total.....mil. \$	409,662	'414,272	26,926	30,141	32,210	35,894	37,578	37,948	400,091	39,050	'38,209	'36,290	'31,770	'28,434	28,285	.....
Private, total #.....do..	328,739	'330,250	22,090	25,037	26,288	28,467	29,683	29,947	31,291	30,084	'30,226	'28,775	'25,344	'22,729	22,810	.....
Residential.....do..	198,101	'195,386	12,496	14,417	15,791	17,103	18,092	18,680	18,953	18,122	'17,790	'16,715	'14,043	'12,654	12,399	.....
New housing units.....do..	138,947	'137,807	9,217	10,544	11,161	11,799	12,442	12,931	13,015	12,604	12,358	11,906	'9,998	'9,354	9,157	.....
Nonresidential buildings, except farm and public utilities, total #.....mil. \$	97,102	99,273	7,207	7,953	7,657	8,252	8,419	8,198	9,166	8,949	9,155	8,894	7,940	'7,506	7,799	.....
Industrial.....do..	14,930	16,756	1,098	1,214	1,232	1,331	1,398	1,344	1,547	1,615	1,677	1,593	1,585	'1,432	1,563	.....
Commercial.....do..	42,194	47,484	4,706	4,462	4,832	4,894	4,790	5,309	5,117	5,240	5,099	4,445	'4,092	4,276	.....	.....
Public utilities:																	
Telecommunications.....do..	8,867	'8,559	556	642	682	786	766	699	791	726	767	785	'820	590	.....	.....
Public, total #.....do..	80,924	'84,022	4,836	5,104	5,922	7,427	7,895	8,000	8,800	8,966	'7,983	'7,514	'6,426	'5,704	5,475	.....
Buildings (excl. military) #.....do..	27,455	'30,120	2,088	2,100	2,361	2,497	2,597	2,766	2,919	2,844	'2,688	'2,682	'2,545	'2,426	2,497	.....
Housing and redevelopment	1,499	'1,813	136	122	135	177	175	164	170	145	'149	'164	'153	'133	127	.....
Industrial.....do..	1,413	'1,317	94	126	106	121	128	105	122	166	'87	'93	'111	'120	78	.....
Military facilities	3,579	'3,504	286	312	171	323	360	266	315	410	'173	'305	'296	'277	267	.....
Highways and streets.....do..	28,523	27,662	1,048	1,233	1,757	2,540	2,939	2,898	3,407	3,266	3,004	2,461	1,760	'1,341	1,251	.....
New construction (seasonally adjusted at annual rates), total.....bil. \$	416.6	416.8	411.9	416.5	412.5	410.3	416.3	416.2	411.5	416.5	'415.1	'425.3	436.5	.....	.....	.....
Private, total #.....do..	333.2	338.1	323.5	330.6	329.0	328.8	331.9	329.6	328.7	327.8	'321.4	'333.4	342.7	.....	.....	.....
Residential.....do..	200.5	202.1	200.7	197.0	194.2	195.2	194.4	192.8	'191.4	'190.3	'189.5	'195.1	198.5	.....	.....	.....
New housing units.....do..	145.3	143.2	141.8	138.2	136.5	136.6	135.8	134.0	133.9	'134.9	'135.6	'138.7	144.1	.....	.....	.....
Nonresidential buildings, except farm and public utilities, total #.....bil. \$	98.6	101.8	96.0	97.5	98.7	97.6	101.7	101.1	'101.4	'101.5	'95.1	'100.9	106.4	.....	.....	.....
Industrial.....do..	15.1	15.7	16.2	15.9	16.3	16.4	17.5	17.9	17.9	18.0	17.3	'19.5	21.3	.....	.....	.....
Commercial.....do..	58.7	60.7	55.6	56.8	57.4	56.6	57.7	57.1	58.2	'57.8	'54.4	'55.8	59.4	.....	.....	.....
Public utilities:																	
Telecommunications.....do..	8.0	7.8	8.8	8.9	8.6	8.5	8.3	8.4	'8.4	'8.8	'9.3	9.1	.....	.....	.....	.....
Public, total #.....do..	83.4	78.7	79.4	85.9	83.5	'81.5	84.4	86.6	'82.9	'88.7	'93.8	'91.9	93.8	.....	.....	.....
Buildings (excl. military) #.....do..	29.9	27.8	29.2	29.9	29.5	30.1	30.6	30.9	'30.9	'32.5	33.3	'33.0	35.2	.....	.....	.....
Housing and redevelopment	1.6	1.5	1.6	2.1	2.1	2.0	2.0	1.7	'1.8	2.0	1.8	'1.6	1.5	.....	.....	.....
Industrial.....do..	1.1	1.5	1.8	1.4	1.5	1.3	1.5	2.0	'1.0	'1.1	'1.3	'1.4	.9	.....	.....	.....
Military facilities	3.4	3.7	2.1	3.9	4.3	3.2	3.8	4.9	'2.1	'3.7	'3.6	'3.3	3.2	.....	.....	.....
Highways and streets.....do..	27.9	26.1	27.8	27.4	27.3	26.1	27.4	27.6	'26.2	'28.7	'32.5	'30.3	32.7	.....	.....	.....
CONSTRUCTION CONTRACTS																	
Construction contracts (F.W. Dodge Division, McGraw-Hill):																	
Valuation, total.....mil. \$	260,752	261,163	16,450	'21,945	21,725	23,796	24,650	22,320	24,128	23,371	22,669	19,137	16,629	16,471	14,863	20,919	
Index (no. data seas. adj.).....1982=100	'166	'169	'163	'158	'179	'166	'170	'170	'168	'182	'181	'166	'163	'156	'150	156	
Public ownership.....mil. \$	67,875	71,305	4,448	'6,162	6,042	6,754	6,859	6,111	6,381	6,725	6,278	5,373	4,586	4,309	3,845	5,953	
Private ownership.....do..	192,876	189,859	12,002	'15,783	15,684	17,042	17,792	16,219	17,747	16,647	16,391	13,764	12,043	12,162	11,017	14,967	
By type of building:																	
Nonresidential.....do..	90,624	93,058	5,613	'7,100	6,510	7,959	8,496	7,976	8,626	8,786	8,533	6,778	6,167	6,238	4,821	7,086	
Residential.....do..	121,940	120,436	7,432	'10,506	10,999	11,389	11,568	10,318	11,554	10,159	10,517	8,950	7,262	7,579	7,240	9,940	
Non-building construction.....do..	48,188	47,670	3,405	'4,339	4,216	4,448	4,586	4,036	3,949	4,426	3,619	3,409	3,200	2,655	2,801	3,894	
New construction planning (Engineering News-Record) \$.....do..	283,448	275,118	22,688	25,083	23,972	20,155	24,319	21,210	25,170	21,042	25,564	23,182	19,075	18,132	22,463	.....
HOUSING STARTS AND PERMITS																	
New housing units started:																	
Unadjusted:																	
Total (private and public).....thous.	(⁽³⁾)	(⁽³⁾)	1,488.1	1,376.1	85.8	117.8	129.4	131.7	143.2	134.7	109.3	130.1	96.6	75.0	'99.2	'84.6	108.5
Privately owned.....do..	1,081.3	1,003.3	59.3	83.5	100.4	101.4	100.3	98.0	97.1	82.4	91.2	71.9	53.4	'67.9	'66.0	83.5	
One-family structures.....do..																	
Seasonally adjusted at annual rates: ◇																	
Total privately owned.....do..			1,454	1,405	1,341	1,308	1,414	1,424	1,325	1,263	1,423	1,347	1,273	'1,568	'1,457	1,321	
One-family structures.....do..			1,026	979	1,028	977	971	1,029	987	969	1,023	1,010	981	'1,009	'1,154	1,015	
New private housing units authorized by building permits (17,000 permit-issuing places):																	
Monthly data are seas. adj. at annual rates:																	
Total.....thous.	1,456	1,341	1,403	1,230	1,334	1,347	1,308	1,281	1,319	1,356	1,342	1,376	1,745	'1,305	1,206	.....
One-family structures.....do..	994	938	989	870	954	905	874	906	927	946	961	979	970	1,004	'983	912	
Manufacturers' shipments of mobile homes:																	
Unadjusted.....thous.	218.3	198.1	14.6	18.2	17.1	19.1	18.9	14.4	19.4	16.5	17.7	15.1	11.7	13.4	13.7	.....
Seasonally adjusted at annual rates @			213	209	202	205	200	179	194	186	190	189	189	195	200	.....
CONSTRUCTION COST INDEXES																	
Dept. of Commerce composite 1982=100	116.2	'119.9	119.8	120.4	119.7	119.5	119.5	119.5	120.4	120.4	'120.3	'120.5	'120.2	'120.2	120.8	.....
Boeckh indexes:																	
Average, 20 cities:																	
Apartments, hotels, office buildings.....1982=100	120.2	124.6	124.0	124.2	124.2	124.8	124.8	125.5	125.5	125.5	125.5	126.5	126.5	126.6	126.6	.....
Commercial and factory buildings.....do..	118.3	123.4	121.5	123.5	124.0	124.0	124.0	125.1	125.1	125.2	125.2	126.0	126.0	126.3	126.3	.....
Residences.....do..	122.3	127.3	126.3	126.7	127.4	127.4	127.4	128.7	1								

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989										1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CONSTRUCTION AND REAL ESTATE—Continued																	
REAL ESTATE ♦																	
Mortgage applications for new home construction:																	
FHA applications.....thous. units	104.9	117.3	7.3	9.9	8.3	12.4	12.2	9.9	12.5	10.4	10.9	9.5	7.6	9.0	9.4	11.6	
Seasonally adjusted annual rates.....do			91	92	92	132	138	128	142	132	151	141	115	113	117	112	
Requests for VA appraisals.....do	149.8	115.2	9.6	13.7	9.1	9.5	10.4	9.2	10.2	9.0	10.4	9.5	6.5	7.9			
Seasonally adjusted annual rates.....do			116	135	102	103	110	113	108	111	145	132	105	106			
Home mortgages insured or guaranteed by:																	
Fed. Hous. Adm.: Face amount.....mil. \$	42,577.16	45,893.24	3,508.80	3,189.10	3,064.37	3,166.56	3,773.70	3,059.58	3,511.30	4,825.96	4,790.37	5,332.30	3,541.91	4,428.43	4,075.71	4,442.46	
Vet. Adm.: Face amount \$.....do	15,773.84	14,041.80	1,222.92	1,363.51	1,127.15	1,164.14	1,071.66	984.90	1,102.03	1,032.98	1,217.43	1,326.48	1,192.67	1,405.07	1,386.13	1,537.57	
Federal Home Loan Banks, outstanding advances to member institutions, end of period.....mil. \$	152,777	141,794	158,267	163,779	165,630	164,268	161,870	159,648	156,293	151,101	148,745	145,337	141,794	138,108	136,626	132,853	
New mortgage loans of SAIF-insured institutions, estimated total @ ... mil. \$..	240,298	*186,567	*13,778	18,541	16,112	16,124	15,772	13,218	16,533	15,701	15,683	14,316	15,266				
By purpose of loan:																	
Home construction.....do	29,555	*24,952	*2,176	2,508	2,267	2,397	2,426	2,039	2,335	1,957	1,803	1,665	1,792				
Home purchase.....do	176,407	*142,432	*10,343	13,768	12,125	11,822	11,404	9,837	12,776	12,389	12,697	11,656	12,153				
All other purposes.....do	34,336	*19,183	*1,640	2,269	1,719	1,904	1,943	1,342	1,421	1,355	1,183	997	1,320				
DOMESTIC TRADE																	
ADVERTISING																	
Magazine advertising (Leading National Advertisers):																	
Cost, total.....mil. \$..																	
Apparel and accessories.....do																	
Automotive, incl. accessories.....do																	
Building materials.....do																	
Drugs and toiletries.....do																	
Foods, soft drinks, confectionery.....do																	
Beer, wine, liquors.....do																	
Household equip., supplies, furnishings.....do																	
Industrial materials.....do																	
Soaps, cleansers, etc.....do																	
Smoking materials.....do																	
All other.....do																	
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.):																	
Total.....mil. \$..	31,197	32,368	7,317														
Classified.....do	11,771	12,245	2,810														
National.....do	3,586	3,239	895														
Retail.....do	15,840	16,885	3,612														
WHOLESALE TRADE †																	
Merchant wholesalers sales (unadj.), total.....mil. \$..	1,622,115	1,748,194	*130,545	*152,712	*141,130	*152,604	*150,308	*137,524	*152,731	*145,394	*155,847	*150,006	*144,355	*146,135	138,731		
Durable goods establishments.....do	795,372	*859,960	*63,219	*74,414	*69,440	*74,643	*74,245	*68,081	*76,020	*73,080	*78,451	*74,608	*69,247	*71,238	69,411		
Nondurable goods establishments.....do	826,743	*888,234	*67,326	*78,298	*71,690	*77,961	*76,063	*69,443	*76,711	*72,314	*77,396	*75,398	*75,108	*74,897	69,320		
Merchant wholesalers inventories, book value (non-LIFO basis), end of period (unadj.), total.....mil. \$..	180,943	*189,042	*183,428	*183,244	*184,390	*183,089	*184,498	*184,895	*182,299	*183,868	*189,404	*189,822	*189,042	*190,390	190,514		
Durable goods establishments.....do	115,647	*122,058	*118,884	*119,232	*121,635	*122,538	*122,613	*124,655	*122,371	*122,335	*123,856	*123,652	*122,053	*124,313	125,788		
Nondurable goods establishments.....do	65,296	*66,989	*64,594	*64,012	*62,755	*60,551	*61,885	*60,240	*59,928	*61,583	*65,548	*66,170	*66,989	*66,077	64,726		
RETAIL TRADE ‡																	
All retail stores:																	
Estimated sales (unadj.), total.....mil. \$..	1,650,005	*1,733,654	*120,111	*141,371	*139,785	*150,259	*149,003	*144,546	*158,030	*144,079	*142,342	*148,884	*176,486	*132,560	*126,958	*147,123	
Durable goods stores #:																	
Bldg. materials, hardware, garden supply, and mobile home dealers.....mil. \$..	627,370	*645,524	*44,938	*53,569	*53,584	*58,894	*58,397	*55,021	*59,703	*54,908	*51,707	*51,951	*57,004	*49,283	*46,493	*54,310	
Automotive dealers.....do	91,206	*93,018	*5,621	*6,966	*8,150	*8,446	*9,033	*8,441	*8,808	*8,029	*8,153	*7,517	*6,841	*6,035	*5,897	*7,513	
Furniture, home furnishings, and equipment.....do	371,573	*377,690	*27,319	*33,410	*32,589	*35,357	*35,086	*32,960	*36,166	*32,369	*29,678	*28,344	*26,475	*29,915	*27,513	*32,306	
Nondurable goods stores.....do	1,022,635	*1,088,130	*75,173	*87,802	*86,201	*91,365	*90,606	*89,525	*93,327	*89,171	*90,635	*96,883	*119,482	*83,277	*80,460	*92,813	
General merch. group stores.....do	191,800	*202,570	*11,549	*15,185	*15,305	*16,214	*15,911	*14,790	*16,161	*15,600	*16,532	*21,098	*32,336	*12,069	*12,656	*16,195	
Food stores.....do	326,504	*349,269	*25,732	*29,005	*27,917	*29,784	*29,905	*30,285	*30,140	*29,396	*28,718	*29,248	*32,352	*28,470	*27,159	*30,777	
Gasoline service stations.....do	107,906	*115,584	*8,088	*9,038	*9,636	*10,425	*10,388	*10,454	*10,264	*9,593	*9,865	*9,529	*9,761	*9,427	*8,729	*9,488	
Apparel and accessory stores.....do	84,865	*91,227	*5,291	*7,251	*7,027	*7,322	*7,114	*6,814	*8,107	*7,583	*7,546	*8,708	*12,844	*5,802	*5,667	*7,378	
Eating and drinking places.....do	165,511	*173,527	*12,514	*14,233	*14,882	*14,909	*15,288	*15,434	*15,672	*14,677	*14,728	*13,999	*14,519	*13,478	*13,333	*15,066	
Drug and proprietary stores.....do	57,444	*61,104	*4,666	*5,100	*4,701	*5,056	*4,935	*4,840	*5,065	*4,936	*5,051	*5,217	*6,754	*5,254	*4,853	*5,246	
Liquor stores.....do	19,605	*20,009	*1,368	*1,536	*1,547	*1,686	*1,717	*1,768	*1,716	*1,651	*1,591	*1,658	*2,311	*1,478	*1,439		
Estimated sales (seas. adj.), total.....do			*141,284	*141,304	*143,584	*144,284	*144,384	*145,438	*146,649	*147,235	*145,244	*146,340	*145,804	*149,877	*149,461	*148,554	
Durable goods stores #:			*52,802	*52,624	*53,825	*53,856	*53,704	*54,327	*55,521	*55,508	*53,627	*53,768	*52,683	*56,217	*54,724	*54,236	
Bldg. materials, hardware, garden supply, and mobile home dealers #:			*7,696	*7,385	*7,734	*7,830	*7,851	*7,840	*7,958	*7,953	*7,826	*7,699	*7,769	*7,567	*7,839	*7,032	
Building materials and supply stores.....do			*5,706	*5,414	*5,667	*5,682	*5,697	*5,619	*5,687	*5,600	*5,591	*5,611	*5,495	*5,794	*5,946		
Hardware stores.....do			*984	*960	*979	*1,022	*1,011	*1,023	*1,024	*1,032	*1,012	*1,022	*989	*1,038	*1,071		
Automotive dealers.....do			*30,739	*30,982	*31,700	*31,404	*31,328	*31,940	*32,779	*32,988	*31,230	*31,111	*30,429	*33,274	*31,114	*30,680	
Motor vehicle and miscellaneous auto dealers.....do			*28,289	*28,476	*29,175	*28,841	*28,778	*29,368	*30,191	*30,318	*28,592	*28,395	*27,700	*30,533	*28,345	*27,953	
Auto and home supply stores.....do			*2,450	*2,506	*2,525	*2,563	*2,550	*2,572	*2,588	*2,670	*2,638	*2,716	*2,729	*2,741	*2,769		
Furniture, home furnishings, and equipment #:			*7,527	*7,393	*7,535	*7,506	*7,529	*7,424	*7,553	*7,505	*7,573	*7,674	*7,406	*7,682	*7,852	*7,845	
Furniture, home furnishings stores.....do			*4,170	*4,059	*4,142	*4,087	*4,069										

Unless otherwise stated in footnotes
below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
DOMESTIC TRADE—Continued																	
RETAIL TRADE ♦—Continued																	
All retail stores—Continued																	
Estimated sales (seas. adj.)—Continued																	
Nondurable goods stores.....	.....	.....	'88,482	'88,680	'89,759	'90,428	'90,680	'91,111	'91,128	'91,727	'91,617	'92,572	'93,121	'93,660	'94,737	'94,268
General merch. group stores.....	do	do	'16,416	'16,451	'16,627	'16,414	'16,785	'16,872	'16,771	'17,096	'17,054	'17,278	'17,313	'17,526	'17,954	'17,769	
Department stores excluding leased departments.....	do	do	'13,278	'13,328	'13,509	'13,255	'13,589	'13,619	'13,569	'13,781	'13,756	'13,898	'14,030	'14,162	'14,530	'14,416	
Variety stores.....	do	do	'580	'571	'569	'585	'597	'595	'602	'625	'669	'614	'690	607	.....	.....
Food stores.....	do	do	'28,586	'28,596	'28,839	'29,068	'29,076	'29,261	'29,440	'29,408	'29,709	'29,874	'29,864	'30,139	'30,195	.....
Grocery stores.....	do	do	'26,938	'26,898	'27,214	'27,425	'27,440	'27,627	'27,658	'27,815	'27,849	'27,991	'28,131	'28,062	'28,310	'28,355	
Gasoline service stations.....	do	do	'9,265	'9,384	'10,014	'9,805	'9,807	'9,557	'9,574	'9,672	'9,773	'9,940	'10,061	'9,976	'9,802	.....
Apparel and accessory stores #.....	do	do	'7,258	'7,226	'7,547	'7,577	'7,683	'7,665	'7,734	'7,694	'7,678	'7,822	'7,681	'7,784	'7,742	.....
Men's and boys' clothing and furnishings stores.....	do	do	786	783	791	784	785	777	777	791	785	794	795	807	800	.....
Women's clothing, specialty stores, and furriers.....	do	do	'2,620	'2,681	'2,710	'2,720	'2,700	'2,696	'2,713	'2,694	'2,705	'2,736	'2,713	'2,691	2,690	.....
Shoe stores.....	do	do	'1,295	'1,292	'1,419	'1,417	'1,434	'1,435	'1,432	'1,423	'1,401	'1,445	'1,403	'1,405	1,425	.....
Eating and drinking places.....	do	do	'14,367	'14,350	'14,339	'14,363	'14,444	'14,447	'14,511	'14,619	'14,597	'14,613	'14,504	'14,779	'15,308	'15,081	
Drug and proprietary stores.....	do	do	'5,083	'5,015	'4,954	'5,006	'5,000	'5,057	'5,127	'5,229	'5,234	'5,302	'5,232	'5,400	'5,281	'5,236	
Liquor stores.....	do	do	'1,644	'1,659	'1,676	'1,686	'1,683	'1,690	'1,692	'1,697	'1,659	'1,656	'1,630	'1,663	'1,723	.....
Estimated inventories, end of period:																	
Book value (non-LIFO basis), (unadjusted), total.....	.....	.....	'215,022	'230,528	'220,955	'226,110	'228,550	'229,932	'229,862	'228,759	'238,504	'245,244	'250,415	'230,528	226,182	.....
Durable goods stores #.....	do	do	'112,658	'117,896	'115,868	'117,668	'118,563	'119,571	'119,721	'116,672	'113,596	'113,953	'118,190	'121,655	'117,896	113,941	
Bldg. materials, hardware, garden supply, and mobile home dealers.....	do	do	'15,211	'15,244	'16,015	'16,568	'16,462	'16,645	'16,428	'15,951	'15,747	'15,624	'15,600	'15,454	'15,244	15,399	
Automotive dealers.....	do	do	'60,987	'65,151	'64,103	'65,022	'65,901	'66,412	'66,558	'63,484	'59,380	'58,752	'60,671	'63,436	'65,151	61,789	
Furniture, home furnishings, and equipment.....	do	do	'16,130	'16,156	'15,680	'15,923	'15,767	'15,795	'15,881	'15,834	'16,117	'16,514	'17,681	'17,808	'16,156	15,968	
Nondurable goods stores #.....	do	do	'102,364	'112,632	'105,087	'108,442	'109,987	'110,361	'110,218	'112,190	'115,163	'119,551	'127,054	'128,760	'112,632	112,241	
General merch. group stores.....	do	do	'36,068	'40,479	'37,832	'39,783	'40,702	'40,409	'40,068	'41,257	'42,672	'45,886	'49,685	'50,700	'40,479	40,294	
Department stores excluding leased departments.....	do	do	'27,920	'31,572	'29,212	'30,778	'31,670	'31,482	'31,159	'31,882	'32,859	'35,044	'38,546	'39,853	'31,572	31,427	
Food stores.....	do	do	'21,844	'23,495	'21,583	'21,839	'21,954	'22,259	'22,390	'22,323	'22,223	'22,589	'23,789	'24,333	'23,495	23,261	
Apparel and accessory stores.....	do	do	'16,502	'17,048	'17,676	'18,287	'18,401	'18,370	'18,130	'18,957	'19,738	'20,236	'21,020	'21,046	'17,048	16,830	
Book value (non-LIFO basis), (seas. adj.), total.....	do	do	'219,791	'235,514	'223,613	'224,375	'226,366	'229,775	'231,059	'232,127	'234,579	'236,131	'234,942	'236,234	'235,514	234,301	
Durable goods stores #.....	do	do	'112,254	'117,169	'114,886	'114,441	'115,669	'117,142	'117,826	'118,248	'119,925	'121,048	'118,450	'118,667	'117,169	114,735	
Bldg. materials, hardware, garden supply, and mobile home dealers.....	do	do	'15,928	'15,946	'16,015	'15,992	'15,859	'16,020	'15,950	'15,824	'15,763	'15,878	'15,984	'15,965	'15,946	15,925	
Furniture, home furn., and equip.....	do	do	'59,030	'62,945	'61,084	'61,278	'62,942	'64,014	'64,387	'64,487	'65,724	'66,574	'63,685	'63,616	'62,945	60,702	
Nondurable goods stores #.....	do	do	'16,179	'16,205	'16,249	'16,198	'15,975	'16,052	'16,106	'16,223	'16,263	'16,270	'16,524	'16,643	'16,205	16,344	
General merch. group stores.....	do	do	'107,537	'118,345	'109,227	'109,984	'110,697	'112,633	'113,233	'113,879	'114,654	'115,083	'116,492	'117,567	'118,345	119,566	
Department stores excluding leased departments.....	do	do	'30,614	'34,656	'30,912	'31,215	'31,294	'32,157	'32,583	'32,902	'32,958	'33,375	'33,783	'34,475	'34,656	34,997	
Food stores.....	do	do	'21,733	'23,399	'21,851	'21,896	'22,148	'22,445	'22,421	'22,505	'22,639	'22,707	'23,169	'23,311	'23,399	23,492	
Apparel and accessory stores.....	do	do	'18,035	'18,652	'18,567	'18,528	'18,606	'18,783	'18,905	'19,052	'19,015	'18,948	'18,920	'18,926	'18,652	18,826	
Firms with 11 or more stores:																	
Estimated sales (unadj.), total.....	.....	.....	'608,039	'649,144	'42,904	'51,449	'50,659	'53,794	'53,197	'51,803	'54,922	'52,409	'53,425	'60,036	'80,162	47,550
Durable goods stores.....	do	do	'72,941	'77,600	'47,767	'5,688	'5,954	'6,619	'6,499	'6,318	'6,582	'6,267	'6,319	'7,129	'10,362	5,553	
Auto and home supply stores.....	do	do	'7,546	'8,240	'499	'637	'654	'734	'748	'744	'767	'722	'753	'735	'712	620	
Nondurable goods stores #.....	do	do	'535,098	'571,544	'38,137	'45,761	'44,705	'47,175	'46,698	'45,485	'48,340	'46,142	'47,106	'52,907	'69,800	41,997	
General merchandise group stores.....	do	do	'176,335	'186,082	'10,609	'13,944	'14,036	'14,853	'14,620	'13,486	'15,261	'14,247	'15,088	'19,403	'30,047	11,038	
Food stores.....	do	do	'185,099	'196,000	'14,630	'16,441	'15,647	'16,575	'16,494	'16,722	'16,597	'16,293	'16,081	'16,618	'18,574	16,322	
Grocery stores.....	do	do	'182,709	'193,503	'14,435	'16,213	'15,468	'16,383	'16,304	'16,537	'16,348	'16,113	'15,844	'16,408	'18,188	16,119	
Apparel and accessory stores.....	do	do	'45,474	'49,667	'2,726	'3,726	'3,935	'3,783	'3,959	'3,860	'3,632	'4,558	'4,129	'4,089	'4,844	'7,319	3,006
Eating places.....	do	do	'41,686	'44,426	'3,169	'3,721	'3,728	'3,773	'3,836	'3,945	'4,015	'3,734	'3,797	'3,613	'3,754	3,474	
Drug stores and proprietary stores.....	do	do	'33,759	'36,685	'2,779	'3,037	'2,763	'3,009	'2,958	'2,886	'3,017	'2,919	'2,967	'3,127	'4,368	3,134	
Estimated sales (sea. adj.), total #	do	do	'52,784	'52,476	'53,384	'53,665	'54,137	'54,277	'54,277	'54,337	'54,806	'54,653	'55,295	'55,542	'56,404	.....
Auto and home supply stores.....	do	do	'646	'644	'685	'700	'707	'707	'707	'709	'711	'711	'711	'712	'729	729	
Department stores excluding leased departments.....	do	do	'12,887	'12,885	'13,049	'12,761	'13,148	'13,148	'13,165	'13,195	'13,227	'13,314	'13,426	'13,579	13,666	.....
Variety stores.....	do	do	'455	'456	'439	'449	'465	'474	'474	'471	'482	'482	'487	'487	'487	450	
Grocery stores.....	do	do	'15,915	'15,787	'15,946	'16,093	'16,063	'16,165	'16,183	'16,259	'16,368	'16,507	'16,580	'16,600	'16,600	16,600	
Apparel and accessory stores.....	do	do	'3,942	'3,862	'4,105	'4,154	'4,154	'4,154	'4,154	'4,234	'4,231	'4,193	'4,268	'4,161	4,276	.....
Women's clothing, specialty stores, and furriers.....	do	do	'1,412	'1,413	'1,480	'1,527	'1,478	'1,478	'1,478	'1,481	'1,467	'1,476	'1,498	'1,472	'1,478	1,478	
Shoe stores.....	do	do	'815	'788	'907	'884	'898	'903	'907	'909	'888	'910	'862	'939	939	.....
Drug stores and proprietary stores.....	do	do	'3,088	'2,975	'2,955	'3,000	'3,018	'3,057	'3,098	'3,145	'3,153	'3,188	'3,091	'3,228	3,228	.....

See footnotes at end of tables.

LABOR FORCE, EMPLOYMENT, AND EARNINGS

LABOR FORCE AND POPULATION																	
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Unless otherwise stated in footnotes
below, data through 1988 and as
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																	
LABOR FORCE—Continued																	
Seasonally Adjusted ♦																	
Civilian labor force—Continued																	
Unemployed—Continued																	
Rate of unemployed in each group as percent of civilian labor force in the group:																	
All civilian workers.....	5.5	5.3	5.2	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2
Men, 20 years and over.....	4.8	4.5	4.5	4.2	4.6	4.3	4.4	4.4	4.5	4.8	4.5	4.6	4.6	4.7	4.6	4.6	4.5
Women, 20 years and over.....	4.9	4.7	4.6	4.6	4.7	4.7	4.8	4.9	4.7	4.5	4.8	4.8	4.8	4.6	4.8	4.7	4.7
Both sexes, 16-19 years.....	15.3	15.0	14.8	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5	14.8	14.4	14.4
White.....	4.7	4.5	4.3	4.3	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.5	4.6	4.6	4.5
Black.....	11.7	11.4	11.6	11.0	11.0	11.1	11.8	11.0	11.2	11.7	11.7	11.9	11.8	11.3	10.5	10.6	10.6
Hispanic origin.....	8.2	8.0	7.0	6.7	8.2	7.9	8.0	8.8	8.8	8.3	8.0	8.0	8.5	7.1	7.8	7.7	7.7
Married men, spouse present.....	3.3	3.0	3.0	2.9	3.2	2.9	2.9	3.0	3.1	3.3	3.0	3.1	3.0	3.4	3.0	3.2	3.2
Married women, spouse present.....	3.9	3.7	3.4	3.5	4.0	3.8	3.8	3.8	3.9	3.8	3.9	3.8	3.9	3.7	3.8	3.6	3.6
Women who maintain families.....	8.1	8.1	8.0	7.9	7.8	8.2	7.9	8.5	8.0	7.7	7.8	8.2	8.1	7.5	7.5	8.4	8.4
Industry of last job:																	
Private nonagricultural wage and salary workers.....	5.5	5.3	5.2	5.1	5.3	5.2	5.3	5.4	5.4	5.3	5.4	5.4	5.5	5.5	5.5	5.5	5.2
Construction.....	10.6	10.0	9.6	9.8	9.5	10.0	10.3	10.2	10.1	9.3	9.8	9.8	9.3	8.9	10.0	9.0	9.0
Manufacturing.....	5.3	5.1	4.9	4.8	5.0	4.9	5.1	5.2	5.2	5.4	5.4	5.6	5.9	5.9	5.5	5.5	5.3
Durable goods.....	5.0	4.8	4.5	4.6	4.7	4.6	4.6	4.7	4.9	4.9	5.2	5.4	5.4	5.8	5.5	5.5	5.3
Agricultural wage and salary workers.....	10.6	9.6	9.1	8.9	9.8	9.9	10.4	8.9	9.0	9.8	12.1	9.7	9.2	9.3	10.1	10.1	10.1
Not Seasonally Adjusted																	
Occupation:																	
Managerial and professional specialty.....	1.9	2.0	2.0	1.8	1.8	1.9	2.0	2.2	2.1	2.3	1.9	2.0	1.9	1.9	1.9	1.9	1.8
Technical, sales, and administrative support.....	4.0	3.9	4.0	3.8	3.6	3.9	3.8	4.1	3.9	4.0	4.1	3.8	3.5	4.4	4.3	3.8	3.8
Service occupations.....	6.9	6.6	6.3	5.9	7.0	6.6	6.9	6.5	6.4	6.5	6.3	6.9	6.4	6.5	6.8	6.4	6.4
Precision production, craft, and repair.....	5.4	5.2	6.8	6.1	5.6	5.1	4.9	4.0	4.5	4.6	4.5	4.7	5.5	6.5	6.8	6.0	6.0
Operators, fabricators, and laborers.....	8.4	8.0	9.2	8.3	7.8	6.9	7.6	8.1	7.5	7.5	7.3	8.0	8.2	10.8	9.5	9.5	9.5
Farming, forestry, and fishing.....	7.2	6.6	8.5	7.9	6.3	5.4	5.1	4.7	5.1	4.6	6.3	8.5	7.3	8.0	8.4	7.8	7.8
EMPLOYMENT																	
Employees on payrolls of nonagricultural estab.: Total, not adjusted for seas. variation.....thous..	105,584	108,581	106,342	107,017	107,944	108,745	109,534	108,540	108,666	109,486	109,975	110,390	110,416	108,372	108,878	109,479	
Private sector (excl. government).....do..	88,212	90,854	88,463	89,052	89,975	90,715	91,742	91,733	91,973	91,916	91,904	92,158	92,232	90,429	90,587	91,018	
Seasonally Adjusted																	
Total employees, nonagricultural payrolls.....do..	105,584	108,581	107,711	107,888	108,101	108,310	108,607	108,767	108,887	109,096	109,171	109,452	109,570	109,931	110,287	110,313	
Private sector (excl. government).....do..	88,212	90,854	90,124	90,291	90,475	90,623	90,884	91,016	91,083	91,230	91,328	91,622	91,699	91,975	92,289	92,240	
Nonmanufacturing industries.....do..	68,809	71,242	70,476	70,611	70,803	70,956	71,234	71,367	71,439	71,671	71,791	72,105	72,210	72,620	72,838	72,820	
Goods-producing.....do..	25,249	25,634	25,629	25,646	25,671	25,672	25,648	25,669	25,694	25,614	25,603	25,582	25,582	25,582	25,582	25,586	
Mining.....do..	721	722	711	714	720	722	715	706	729	730	731	737	739	745	749	748	
Construction.....do..	5,125	5,300	5,270	5,252	5,279	5,283	5,314	5,321	5,325	5,335	5,345	5,304	5,418	5,418	5,418	5,418	
Manufacturing.....do..	19,403	19,612	19,648	19,680	19,672	19,667	19,650	19,649	19,644	19,559	19,537	19,517	19,489	19,355	19,451	19,420	
Durable goods.....do..	11,437	11,536	11,594	11,604	11,600	11,594	11,567	11,549	11,549	11,480	11,457	11,439	11,409	11,287	11,397	11,380	
Lumber and wood products.....do..	765	769	778	777	772	771	769	767	768	765	765	765	770	765	776	773	
Furniture and fixtures.....do..	530	531	534	535	537	534	534	536	529	528	525	525	522	522	522	522	
Stone, clay and glass products.....do..	600	603	603	607	606	604	603	602	601	597	600	602	601	602	600	600	
Primary metal industries.....do..	774	782	786	788	788	787	787	785	786	777	776	771	764	768	768	768	
Fabricated metal products.....do..	1,431	1,445	1,458	1,457	1,454	1,452	1,449	1,446	1,443	1,438	1,434	1,430	1,426	1,407	1,419	1,418	
Machinery, except electrical.....do..	2,082	2,145	2,138	2,143	2,144	2,150	2,151	2,154	2,152	2,147	2,139	2,145	2,143	2,140	2,134	2,134	
Electric and electronic equip.....do..	2,070	2,097	2,062	2,060	2,058	2,050	2,041	2,040	2,034	2,023	2,018	2,012	1,992	1,991	1,991	1,991	
Transportation equipment.....do..	2,051	2,053	2,067	2,071	2,073	2,076	2,062	2,046	2,068	2,038	2,020	2,022	2,022	2,019	2,019	2,021	
Instruments and related products.....do..	749	777	772	776	777	778	779	781	782	780	779	778	776	776	776	774	
Miscellaneous manufacturing.....do..	886	891	891	890	891	892	892	893	893	893	893	893	893	893	893	893	
Nondurable goods.....do..	7,967	8,076	8,054	8,076	8,072	8,073	8,083	8,100	8,093	8,079	8,080	8,073	8,080	8,068	8,054	8,040	
Food and kindred products.....do..	1,636	1,655	1,655	1,655	1,657	1,656	1,656	1,658	1,678	1,667	1,674	1,676	1,676	1,676	1,676	1,676	
Tobacco manufactures.....do..	56	53	56	56	54	53	52	53	52	51	51	51	51	51	51	51	
Textile mill products.....do..	729	726	728	729	728	728	729	730	727	723	724	721	719	718	714	712	
Apparel and other textile products.....do..	1,092	1,091	1,096	1,101	1,098	1,095	1,093	1,094	1,095	1,088	1,084	1,084	1,081	1,073	1,064	1,058	
Paper and allied products.....do..	693	697	696	696	697	697	697	701	700	697	697	697	697	697	698	696	
Printing and publishing.....do..	1,561	1,607	1,595	1,600	1,601	1,603	1,607	1,609	1,611	1,612	1,612	1,617	1,621	1,624	1,624	1,627	
Chemicals and allied products.....do..	1,065	1,093	1,085	1,088	1,090	1,094	1,096	1,091	1,097	1,095	1,096	1,098	1,103	1,104	1,106	1,105	
Petroleum and coal products.....do..	162	162	161	161	162	162	163	163	163	164	164	163	163	163	165	165	
Rubber and plastics prod- ucts, nec.....do..	829	839	843	845	848	843	841	841	837	837	835	832	826	821	824	824	
Leather and leather products.....do..	144	140	144	144	143	142	142	140	139	138	137	136	136	136	136	136	
Service-producing.....do..	80,335	82,947	82,082	82,242	82,430	82,638	82,959</										

Unless otherwise stated in footnotes
below, data through 1988 and
methodological notes as shown in
BUSINESS STATISTICS, 1961-88

	Units	Annual		1989												1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																			
EMPLOYMENT—Continued																			
Seasonally Adjusted																			
Production or nonsupervisory workers—Continued																			
Nondurable goods	thous..	5,619	5,688	5,677	5,693	5,686	5,691	5,694	5,713	5,705	5,687	5,692	5,682	5,683	5,672	5,656	5,639		
Food and kindred products	do	1,163	1,192	1,177	1,182	1,184	1,184	1,190	1,205	1,197	1,203	1,205	1,200	1,201	1,205	1,201	1,196		
Tobacco manufactures	do	42	39	41	41	40	38	38	39	39	38	38	38	38	39	38	37		
Textile mill products	do	632	627	630	630	630	630	630	631	627	623	625	622	621	618	614	611		
Apparel and other textile products	do	919	920	926	930	927	925	922	922	922	917	914	913	912	903	895	887		
Paper and allied products	do	524	525	524	525	524	525	525	528	524	526	526	526	526	525	526	525		
Printing and publishing	do	874	892	888	891	889	891	892	893	894	892	892	896	899	893	896	896		
Chemicals and allied products	do	596	613	608	610	609	614	616	614	617	614	617	619	618	618	617	617		
Petroleum and coal products	do	105	106	105	105	106	107	107	107	107	107	107	106	106	108	108	108		
Rubber and plastics products, nec	do	646	655	659	660	660	656	657	658	658	653	649	647	641	637	639	639		
Leather and leather products	do	119	116	119	119	118	118	117	116	116	115	114	113	113	113	113	113		
Service-producing	do	53,637	55,515	54,901	55,049	55,151	55,257	55,533	55,623	55,670	55,850	55,919	56,199	56,316	56,643	56,694	56,694		
Transportation and public utilities	do	4,610	4,755	4,718	4,718	4,755	4,752	4,763	4,779	4,665	4,758	4,782	4,800	4,880	4,888	4,898	4,898		
Wholesale trade	do	4,854	5,017	4,970	4,990	4,996	5,007	5,016	5,021	5,038	5,037	5,053	5,066	5,071	5,096	5,096	5,096		
Retail trade	do	16,936	17,326	17,215	17,244	17,235	17,280	17,317	17,388	17,388	17,391	17,388	17,490	17,456	17,544	17,498	17,474		
Finance, insurance, and real estate	do	4,849	4,938	4,893	4,900	4,902	4,918	4,933	4,944	4,954	4,969	4,972	4,985	4,995	5,016	5,029	5,039		
Services	do	22,389	23,479	23,105	23,197	23,283	23,300	23,504	23,541	23,625	23,695	23,729	23,858	23,914	24,022	24,128	24,179		
AVERAGE HOURS PER WEEK																			
Seasonally Adjusted																			
Avg. weekly hours per worker on private nonag. payrolls: ♦																			
Not seasonally adjusted	hours..	34.7	34.7	34.3	34.4	34.8	34.5	34.8	35.1	34.9	34.7	34.8	34.5	34.7	34.2	34.3	34.4		
Seasonally adjusted	do			34.6	34.7	34.9	34.6	34.6	34.8	34.6	34.7	34.7	34.6	34.5	34.5	34.6	34.6		
Mining †	do	42.3	42.8	41.7	42.0	42.8	42.0	42.6	42.5	43.2	43.7	43.9	43.6	43.7	43.6	43.2	42.9		
Construction ‡	do	37.9	37.9	36.2	37.4	37.9	37.7	38.0	38.9	39.0	38.6	39.2	38.1	37.0	37.6	37.2	37.9		
Manufacturing:																			
Not seasonally adjusted	do	41.1	41.0	40.8	41.0	41.0	40.9	41.1	40.5	40.8	41.2	40.9	41.1	41.3	40.6	40.4	40.6		
Seasonally adjusted	do			41.1	41.0	41.3	41.0	41.0	41.0	41.0	41.0	41.0	40.7	40.6	40.7	40.7	40.7		
Overtime hours	do	3.9	3.8	3.9	4.0	3.9	3.8	3.8	3.9	3.8	3.8	3.7	3.7	3.6	3.7	3.6	3.7		
Durable goods	do	41.8	41.6	41.8	41.7	41.9	41.5	41.5	41.5	41.6	41.6	41.2	41.2	41.2	41.3	41.3	41.3		
Lumber and wood products	do	4.1	3.9	4.1	4.1	4.1	3.9	3.9	4.0	3.9	3.9	3.7	3.7	3.6	3.7	3.6	3.7		
Furniture and fixtures	do	39.4	39.5	39.7	39.8	39.9	39.4	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.8	39.6	39.8		
Stone, clay, and glass products	do	42.3	42.3	42.2	42.2	42.5	41.9	42.2	42.3	42.5	42.2	42.3	42.4	41.5	42.2	42.0	41.8		
Primary metal industries	do	43.6	43.0	43.4	43.5	43.8	43.2	43.3	43.0	42.9	42.8	42.5	42.6	42.5	42.5	42.6	42.6		
Fabricated metal products	do	41.9	41.6	41.9	41.8	41.9	41.7	41.5	41.5	41.5	41.6	41.4	41.4	41.1	41.3	41.6	41.6		
Machinery, except electrical	do	42.6	42.4	42.6	42.5	42.7	42.5	42.5	42.4	42.4	42.2	42.3	42.0	42.1	42.2	42.0	42.0		
Electric and electronic equipment	do	41.0	40.8	40.9	40.6	41.0	40.7	40.7	40.6	40.9	41.1	40.9	40.8	40.5	40.8	41.1	41.0		
Transportation equipment	do	42.7	42.4	43.1	43.1	42.8	42.5	42.5	42.6	42.7	42.8	41.2	40.9	41.4	41.5	41.9	41.9		
Instruments and related products	do	41.5	41.2	41.5	41.1	41.5	41.1	41.3	41.4	41.1	41.0	41.1	40.9	40.9	41.0	41.0	41.0		
Miscellaneous manufacturing	do	39.2	39.4	39.5	39.5	39.8	39.6	39.4	39.3	39.2	39.3	39.3	39.3	39.3	39.4	39.5	39.4		
Nondurable goods	do	40.1	40.2	40.2	40.1	40.4	40.2	40.3	40.2	40.2	40.2	40.2	40.1	39.9	40.0	39.9	39.9		
Overtime hours	do	3.7	3.7	3.7	3.8	3.8	3.7	3.6	3.6	3.6	3.7	3.7	3.6	3.6	3.5	3.5	3.5		
Food and kindred products	do	40.3	40.7	40.3	40.4	40.7	40.5	40.7	41.0	40.8	41.0	40.8	40.6	40.5	40.4	40.5	40.5		
Tobacco manufactures ‡	do	39.8	38.6	37.8	38.6	38.3	38.1	38.1	39.5	40.1	37.9	40.3	40.2	39.0	37.8	37.7	38.3		
Textile mill products	do	41.1	41.0	40.8	41.1	41.7	41.4	41.4	41.2	41.0	40.6	40.7	40.5	40.2	40.5	40.1	40.1		
Apparel and other textile products	do	37.0	37.0	37.1	36.9	37.6	37.1	37.1	37.0	37.0	36.9	36.8	36.3	36.7	36.6	36.4	36.4		
Paper and allied products	do	43.2	43.3	43.2	43.3	43.4	43.3	43.3	43.2	43.5	43.2	43.4	43.1	43.3	43.0	43.1	43.1		
Printing and publishing	do	38.0	37.8	38.0	37.9	37.9	37.7	37.8	37.6	37.7	37.9	37.8	37.6	37.8	37.7	37.8	37.7		
Chemicals and allied products	do	42.3	42.4	42.3	42.3	42.6	42.1	42.1	42.5	42.4	42.4	42.4	42.3	42.7	42.2	42.4	42.4		
Petroleum and coal products ‡	do	44.4	44.3	44.0	43.2	44.3	43.9	44.6	44.3	44.7	44.4	45.1	45.4	44.0	44.0	44.5	44.5		
Rubber and plastics products, nec	do	41.7	41.5	41.7	41.6	41.6	41.5	41.5	41.4	41.5	41.5	41.4	41.2	40.8	41.0	41.2	41.2		
Leather and leather products	do	37.5	37.9	38.6	38.6	38.3	37.4	37.9	37.7	38.1	38.1	37.7	37.5	37.4	38.0	38.0	38.0		
Transportation and public utilities	do	39.3	39.4	39.4	39.4	40.1	39.5	39.4	39.4	39.0	39.3	39.1	39.1	39.1	39.1	39.3	39.2		
Wholesale trade	do	38.1	38.1	38.1	38.1	38.3	38.3	38.0	38.1	38.1	38.1	38.1	38.0	38.0	38.0	38.0	38.1		
Retail trade	do	29.1	28.9	28.9	28.9	29.1	28.9	28.9	29.2	29.2	28.8	28.8	28.8	28.7	28.8	28.8	28.9		
Finance, insurance, and real estate	do	35.9	35.9	35.8	35.8	36.3	35.6	35.8	36.3	35.8	35.8	35.7	36.1	35.7	35.7	35.7	35.6		
Services	do	32.6	32.6	32.5	32.6														

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989											1990				
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																			
HOURLY AND WEEKLY EARNINGS																			
Average hourly earnings per worker: ◊																			
Not seasonally adjusted:																			
Private nonagric. payrolls.....	dollars..	9.29	9.66	9.55	9.56	9.62	9.59	9.58	9.63	9.61	9.77	9.81	9.81	9.84	9.88	9.91	9.91	\$9.91	
Mining.....	do ..	12.75	13.14	13.22	13.15	13.19	13.13	13.03	12.95	13.11	13.15	13.10	13.13	13.11	13.31	13.31	13.31	\$13.35	
Construction.....	do ..	13.01	13.37	13.21	13.26	13.30	13.28	13.24	13.33	13.48	13.52	13.51	13.64	13.42	13.42	13.42	13.42	\$13.40	
Manufacturing.....	do ..	10.18	10.47	10.38	10.41	10.41	10.42	10.44	10.47	10.44	10.55	10.52	10.58	10.67	10.59	10.66	10.75	\$10.75	
Excluding overtime.....	do ..	9.72	10.01	9.92	9.94	9.95	9.98	9.98	10.02	9.97	10.05	10.04	10.10	10.19	10.15	10.23	10.23	\$10.23	
Durable goods.....	do ..	10.71	11.00	10.91	10.93	10.98	10.94	10.98	10.99	10.98	11.10	11.06	11.10	11.18	11.05	11.17	11.17	\$11.17	
Excluding overtime.....	do ..	10.21	10.50	10.41	10.42	10.44	10.47	10.49	10.52	10.49	10.58	10.56	10.60	10.67	10.59	10.72	10.74	\$10.74	
Lumber and wood products.....	do ..	8.61	8.86	8.69	8.68	8.76	8.79	8.85	8.92	8.93	8.98	8.99	8.99	9.00	8.97	9.00	9.00	\$9.00	
Furniture and fixtures.....	do ..	7.94	8.25	8.08	8.13	8.12	8.16	8.23	8.26	8.29	8.40	8.39	8.40	8.45	8.45	8.40	8.40	\$8.40	
Stone, clay, and glass products.....	do ..	10.47	10.74	10.62	10.62	10.71	10.69	10.73	10.75	10.77	10.79	10.82	10.87	10.88	10.87	10.85	10.85	\$10.91	
Primary metal industries.....	do ..	12.15	12.36	12.27	12.27	12.26	12.25	12.32	12.40	12.36	12.43	12.51	12.52	12.50	12.61	12.61	12.61	\$12.61	
Fabricated metal products.....	do ..	10.26	10.53	10.46	10.47	10.48	10.49	10.51	10.53	10.50	10.64	10.57	10.61	10.69	10.56	10.65	10.65	\$10.72	
Machinery, except electrical.....	do ..	11.01	11.34	11.23	11.25	11.26	11.29	11.32	11.35	11.32	11.41	11.43	11.48	11.57	11.51	11.52	11.52	\$11.60	
Electric and electronic equipment.....	do ..	10.13	10.38	10.26	10.30	10.31	10.33	10.37	10.41	10.40	10.47	10.43	10.47	10.52	10.50	10.53	10.53	\$10.53	
Transportation equipment.....	do ..	13.31	13.70	13.59	13.65	13.60	13.58	13.65	13.61	13.70	13.89	13.84	13.85	13.93	13.57	14.04	14.04	\$14.04	
Instruments and related products.....	do ..	9.98	10.26	10.14	10.17	10.17	10.17	10.25	10.31	10.29	10.32	10.35	10.36	10.49	10.53	10.55	10.55	\$10.55	
Miscellaneous manufacturing.....	do ..	8.01	8.31	8.23	8.23	8.21	8.24	8.24	8.29	8.20	8.39	8.38	8.49	8.60	8.59	8.59	8.60	\$8.60	
Nondurable goods.....	do ..	9.43	9.74	9.62	9.66	9.65	9.68	9.70	9.77	9.71	9.80	9.80	9.86	9.95	9.95	9.95	9.95	\$10.05	
Excluding overtime.....	do ..	9.02	9.31	9.22	9.24	9.25	9.28	9.28	9.34	9.27	9.32	9.34	9.41	9.51	9.54	9.56	9.56	\$9.61	
Food and kindred products.....	do ..	9.10	9.38	9.26	9.33	9.32	9.34	9.37	9.35	9.28	9.32	9.27	9.38	9.50	9.47	9.49	9.55	\$9.55	
Tobacco manufactures.....	do ..	14.68	15.37	14.75	15.34	15.87	16.13	16.48	16.34	15.72	14.69	14.91	15.01	15.31	15.48	15.68	16.40	\$16.40	
Textile mill products.....	do ..	7.37	7.68	7.59	7.59	7.60	7.62	7.65	7.66	7.76	7.77	7.82	7.87	7.92	7.92	7.92	7.92	\$7.92	
Apparel and other textile products.....	do ..	6.12	6.35	6.32	6.34	6.32	6.32	6.33	6.28	6.32	6.41	6.39	6.45	6.41	6.46	6.46	6.46	\$6.55	
Paper and allied products.....	do ..	11.65	11.98	11.80	11.84	11.88	11.89	11.91	12.04	11.90	11.99	11.97	12.08	12.14	12.13	12.11	12.11	\$12.11	
Printing and publishing.....	do ..	10.52	10.87	10.74	10.79	10.76	10.75	10.83	10.89	11.05	11.04	11.05	11.07	11.09	11.09	11.09	11.11	\$11.11	
Chemicals and allied products.....	do ..	12.67	13.06	12.88	12.91	12.92	12.98	13.12	13.18	13.12	13.18	13.25	13.26	13.31	13.31	13.31	13.21	\$13.21	
Petroleum and coal products.....	do ..	14.98	15.44	15.75	15.46	15.50	15.34	15.23	15.43	15.43	15.63	15.64	15.76	15.76	15.89	15.93	16.05	\$16.05	
Rubber and plastic products, nec.....	do ..	9.14	9.42	9.31	9.33	9.35	9.40	9.41	9.45	9.44	9.46	9.47	9.50	9.58	9.59	9.60	9.60	\$9.60	
Leather and leather products.....	do ..	6.27	6.58	6.49	6.54	6.55	6.58	6.54	6.54	6.58	6.63	6.64	6.67	6.73	6.80	6.82	6.82	\$6.82	
Transportation and public utilities.....	do ..	12.32	12.57	12.50	12.46	12.51	12.49	12.48	12.58	12.56	12.70	12.69	12.67	12.76	12.80	12.82	12.82	\$12.82	
Wholesale trade.....	do ..	9.94	10.38	10.23	10.21	10.36	10.28	10.31	10.40	10.35	10.47	10.50	10.55	10.62	10.61	10.65	10.65	\$10.65	
Retail trade.....	do ..	6.31	6.54	6.47	6.48	6.52	6.49	6.49	6.49	6.50	6.61	6.62	6.66	6.74	6.73	6.73	6.73	\$6.73	
Finance, insurance, and real estate.....	do ..	9.09	9.57	9.47	9.43	9.59	9.48	9.48	9.59	9.50	9.62	9.71	9.69	9.76	9.82	9.91	9.91	\$9.91	
Services.....	do ..	8.91	9.39	9.28	9.29	9.34	9.30	9.26	9.33	9.29	9.49	9.59	9.61	9.69	9.73	9.75	9.75	\$9.75	
Index of avg. hourly earnings, seas. adj.: ◊																			
Private nonfarm economy:																			
Current dollars.....	1977 = 100 ..	179.0																	
1977 dollars ‡.....	do ..	93.3																	
Mining ‡.....	do ..	185.5																	
Construction.....	do ..	158.3																	
Manufacturing.....	do ..	178.8																	
Transportation and public utilities.....	do ..	181.1																	
Wholesale trade ‡.....	do ..	182.7																	
Retail trade.....	do ..	165.9																	
Finance, insurance, and real estate ‡.....	do ..	195.7																	
Services.....	do ..	189.8																	
Hourly wages, not seasonally adjusted:																			
Construction wages, 20 cities (ENR): §§																			
Common labor.....	\$ per hr ..	17.33	17.79	17.64	17.64	17.64	17.64	17.74	17.74	17.74	17.93	17.93	17.98	18.10	18.10	18.10	18.21	\$18.21	
Skilled labor.....	do ..	22.87	23.21	23.02	23.05	23.05	23.05	23.12	23.12	23.12	23.15	23.57	23.61	23.71	23.71	23.71	23.71	\$23.71	
Railroad wages (average, class I).....	do ..	15.00		15.59	15.25	15.33	15.29	15.35	15.45	16.07	16.21	16.10	16.06	16.28	*16.20	16.40			
Avg. weekly earnings per worker, private nonfarm: ◊																			
Current dollars, seasonally adjusted.....	322.36	335.20	329.39	331.04	335.39	332.16	332.85	337.21	335.27	337.98	330.37	328.39	339.14	*339.14	*341.85	*343.21			
1977 dollars, seasonally adjusted ‡.....	167.81	166.52	166.44	166.44	167.44	165.17	165.10	166.85	165.98	166.74	166.85	165.80	165.51	*163.68	*164.11	*164.21			
Current dollars, not seasonally adjusted:																			
Private nonfarm, total.....	dollars ..	322.36	335.20	327.57	328.86	334.78	330.86	333.38	338.01	335.39	339.02	341.39	338.45	341.45	*337.90	*339.91	*341.5		
Mining.....	do ..	539.33	562.39	551.27	552.30	564.53	551.46	555.08	550.38	566.35	574.66	575.09	572.47	581.65	*580.82	*574.99	*574.00		
Construction.....	do ..	498.03	506.72	478.20	495.92	504.07	500.66	503.12	518.54	519.87	520.33	529.98	514.73	504.68	*504.59	*499.22	*510.19		
Manufacturing.....	do ..	418.40	429.27	423.50	426.81	426.81	426.18	429.08	424.04	425.95	434.66	430.27	434.84	440.67	429.95	*430.66	*435.6		
Durable goods.....	do ..	447.68	457.60	452.77	455.78	455.78	454.01	457.87	449.49	453.47	462.87	457.88	460.65	468.44	*455.26	*457.97	*464.2		
Nondurable goods.....	do ..	378.14	391.55	382.88	385.48	386.97	387.20	390.91	390.80	391.31	396.90	394.94	398.34	401.98	*396.01	*394.02	*397.7		
Transportation and public utilities.....	do ..	484.18	495.26	488.75	488.43	497.90	490.86	494.21	500.68	494.86	500.88	499.99	495.40	501.47	*496.64	*499.98	*499.98		
Wholesale trade.....	do ..	378.71	395.48	386.69	386.96	395.75	389.61	392.81	398.34	398.91	402.15	401.96	405.68	*401.06	*401.51	*404.30	*404.30		
Retail trade.....																			

See footnotes at end of tables.

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below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989										1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
LABOR FORCE, EMPLOYMENT, AND EARNINGS—Continued																
WORK STOPPAGES																
Work stoppages involving 1,000 or more workers:																
Number of stoppages:																
Beginning in month or year number	40	51	0	2	4	7	0	8	7	6	4	5	1	2	5	
Workers involved in stoppages:																
Beginning in month or year thous	118	452	0	30	7	55	0	145	204	14	60	8	5	3	40	
Days idle during month or year do	4,364	16,996	138	950	1,064	1,227	938	1,364	3,717	1,909	3,098	2,880	402	308	720	
UNEMPLOYMENT INSURANCE ‡																
State programs:																
Initial claims thous	15,919		1,319	1,363	1,109	1,209	1,311	1,555	1,266	1,082	1,447	1,564	1,944			
Average weekly insured unemployment do	2,048		2,618	2,520	2,246	1,963	1,855	2,055	2,060	1,782	1,863	2,010	2,128			
Rate of insured unemployment @ percent	2.1		2.6	2.5	2.1	1.9	1.9	2.1	1.9	1.8	2.6	2.0	2.4			
Total benefits paid mil. \$	13,070		1,252	1,529	1,141	1,127	1,204	1,060	1,198	958	1,045	1,041	1,224			
Weeks of unemployment compensated thous	92,919		8,722	10,474	7,882	7,727	6,614	7,269	8,880	6,490	6,945	7,640	8,182			
Average weekly benefit dollars	145.86		148.28	151.06	149.83	179.30	162.81	150.69	150.98	152.61	155.90	154.87	155.10			
Federal civilian employees unemployment insurance (UCFE):																
Initial claims thous	121.4		8.0	7.9	8.1	8.9	10.7	12.4	9.0	7.8	10.5	9.4	9.7			
Average weekly insured unemployment do	22.3		25.8	22.9	20.0	18.0	18.3	21.5	23.6	20.6	21.9	22.3	21.5			
Total benefits paid mil. \$	143.1		13.3	14.4	10.4	10.3	9.7	10.6	13.2	10.6	11.2	11.9	11.8			
Weeks of unemployment compensated thous	1,043.6		91.1	98.1	72.0	71.6	69.0	75.9	96.4	78.3	150.6	85.8	88.2			
Average weekly benefit dollars	137.09		145.54	147.02	144.22	144.33	140.33	139.87	136.45	135.12	74.11	138.99	141.30			
Veterans unemployment insurance (UCX):																
Initial claims thous	141.7		9.1	10.8	9.0	9.2	8.8	9.1	10.2	9.0	9.9	9.9	10.1			
Average weekly insured unemployment do	18.1		16.5	15.6	15.0	14.3	14.0	14.1	14.7	13.8	14.8	15.3	15.0			
Total benefits paid mil. \$	123.1		8.3	9.6	7.9	8.8	7.8	8.0	9.0	7.9	8.5	8.9	8.6			
Weeks of unemployment compensated thous	787.6		52.2	60.4	49.4	54.0	48.4	49.2	54.9	47.5	51.3	53.3	51.7			
Average weekly benefit dollars	156.27		158.44	158.66	159.00	162.38	161.80	163.43	164.31	165.72	166.10	166.73	165.61			

FINANCE

BANKING																
Open market paper outstanding, end of period:																
Bankers' acceptances mil. \$	66,631	62,972	62,933	62,458	64,357	62,396	64,141	65,588	65,764	63,814	63,660	63,802	62,972			
Commercial and financial company paper, total:																
do do	451,762	521,859	487,007	486,783	498,606	501,589	504,371	503,095	513,786	511,881	512,446	516,426	521,859	530,926	540,283	
Financial companies do	354,127	398,456	377,749	377,094	378,647	378,388	380,375	381,029	388,935	385,798	384,785	387,137	398,456	397,937	404,097	
Dealer placed do	161,535	188,580	174,807	173,464	172,577	170,122	170,174	175,978	180,822	178,481	176,119	175,770	188,580	183,535	187,800	
Directly placed do	192,592	209,876	202,942	203,630	207,070	208,266	210,201	205,051	208,113	207,317	211,666	211,367	209,876	214,352	216,297	
Nonfinancial companies do	97,635	123,403	109,258	109,689	118,959	123,201	128,996	122,066	124,851	126,088	127,661	129,289	123,403	132,989	136,186	
Loans of the Farm Credit System: †																
Total, end of period mil. \$	51,428	50,707		50,744			50,390			50,589			50,707			
Long-term real estate loans do	32,182	30,245		31,051			30,624			30,474			30,245			
Short-term and intermediate-term loans do	9,256	10,020		9,286			9,980			10,240			10,020			
Loans to cooperatives do	9,990	10,442		10,408			9,787			9,876			10,442			
Federal Reserve banks, condition, end of period:																
Assets, total # mil. \$	293,674	304,465	284,582	281,635	303,807	286,551	295,816	283,237	282,515	290,607	293,439	292,539	304,465	292,909	292,506	295,137
Reserve bank credit outstanding, total # do	250,945	236,991	230,795	238,435	257,498	234,286	239,059	226,230	225,192	228,704	226,441	230,516	236,991	226,046	257,829	228,894
Loans do	2,170	481	1,602	2,454	1,952	2,033	841	594	541	593	270	182	481	733	1,779	2,163
U.S. Government securities do	238,422	228,367	229,499	228,643	232,150	223,535	231,767	218,676	217,409	221,051	218,176	223,142	228,367	218,392	219,132	219,322
Gold certificate account do	11,060	11,059	11,061	11,061	11,061	11,061	11,063	11,066	11,066	11,065	11,062	11,060	11,059	11,059	11,059	11,060
Liabilities, total # do	293,674	304,465	284,582	281,635	303,807	286,551	295,816	283,237	282,515	290,607	293,439	292,539	304,465	292,909	292,506	295,137
Deposits, total do	48,898	46,430	44,126	42,587	61,753	39,794	50,038	40,253	39,114	46,348	46,018	43,395	46,430	43,230	41,143	41,565
Member-bank reserve balances do	39,347	38,327	36,985	37,394	37,968	33,553	37,381	34,339	31,924	32,253	32,351	37,277	38,327	39,464	33,811	33,129
Federal Reserve notes in circulation do	229,640	241,739	222,769	224,857	225,336	229,372	230,848	230,229	230,766	229,076	230,467	235,306	241,739	234,471	236,534	238,944
All member banks of Federal Reserve System, averages of daily figures: ◊																
Reserves held, total mil. \$	268,746	262,810	60,677	60,161	61,310	58,916	59,587	60,254	59,559	60,126	60,397	60,989	62,810	62,931	60,623	60,660
Required do	262,699	261,888	59,539	59,255	60,511	57,881	58,681	59,288	58,674	59,188	59,378	60,044	61,888	61,914	59,634	59,797
Excess do	1,047	922	1,138	906	799	1,035	905	966	885	938	1,020	945	922	1,016	989	863
Borrowings from Federal Reserve banks do	2,176	2,265	1,487	1,813	2,289	1,720	1,490	694	675	693	555	349	265	440	1,448	2,124
Free reserves do	2,176	2,677	701	427	217	512	332	378	251	267	486	617	677	602	76	689
Large commercial banks reporting to Federal Reserve System, last Wed. of mo.: Deposits:																
Demand, total # mil. \$	247,112	248,307	228,985	217,185	220,021	244,114	219,187	215,981	215,034	222,501	216,550	223,373	248,307	232,351	233,383	220,035
Individuals, partnerships, and corporations do	195,301	197,212	181,031	173,682	174,716	189,983	173,820	172,343	172,097	175,734	173,248	178,974	197,212	185,121	185,814	176,918
States and political subdivisions do	6,993	7,248	5,868	5,209	6,247	5,894	6,078	5,862	5,182	6,415	5,978	5,623	7,248	6,935	5,661	
U.S. Government do	2,711	1,865	1,709	2,393	4,649	2,678	2,516	3,046	3,084	3,113	2,262	1,798	1,865	2,246	2,987	2,430
Depository institutions in U.S. do	24,187	24,251	23,360	18,950	18,567	25,996	20,081	19,517	19,506	19,716	21,049	24,251	21,283	22,398	19,570	
Transaction balances other than demand deposits do	75,384	79,238														

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989												1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
FINANCE—Continued																			
BANKING—Continued																			
Commercial bank credit, seas. adj. \$ bil.	\$	2,417.2	2,582.6	2,451.9	2,460.3	2,469.2	2,482.9	2,496.0	2,512.4	2,527.4	2,538.9	2,563.3	2,579.0	2,582.6	2,585.8	2,603.8	2,623.8		
Total loans and securities ↓ do		361.4	394.5	361.8	368.0	370.5	372.5	373.7	374.0	375.5	378.1	389.4	394.8	394.5	402.4	412.2	418.1		
U.S. Government securities do		194.0	180.3	190.4	189.3	188.3	187.8	187.3	186.3	185.8	183.1	180.9	179.3	180.3	180.2	180.1	180.1		
Other securities do		1,361.9	2,007.9	1,899.7	1,903.0	1,910.5	1,922.6	1,935.0	1,952.1	1,968.2	1,977.7	1,992.5	2,004.9	2,007.3	2,003.2	2,011.6	2,024.4		
Money and interest rates:																			
Prime rate charged by banks on short-term business loans percent		9.32	10.87	10.93	11.50	11.50	11.50	11.07	10.98	10.50	10.50	10.50	10.50	10.50	10.11	10.00	10.00		
Discount rate (New York Federal Reserve Bank) @ do		6.20	6.98	6.59	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00		
Federal intermediate credit bank loans do			(3)																
Home mortgage rates (conventional 1st mortgages):																			
New home purchase (U.S. avg.) percent		28.88	29.77	9.46	9.63	9.88	9.82	10.09	10.06	9.88	9.87	9.77	9.78	9.70	9.59	9.56	9.70		
Existing home purchase(U.S. avg.) do		29.01	29.81	9.44	9.62	9.76	10.13	10.27	10.10	9.81	9.82	9.86	9.80	9.69	9.68	9.74	9.74		
Open market rates, New York City:																			
Bankers' acceptances, 3-month do		7.56	8.87	9.27	9.83	9.68	9.35	8.97	8.54	8.47	8.59	8.42	8.21	8.15	7.97	8.03	8.11		
Commercial paper, 6-month do		7.68	8.80	9.35	9.97	9.78	9.29	8.80	8.35	8.32	8.50	8.24	8.00	7.93	7.96	8.04	8.20		
Finance co. paper placed directly, 6-mo. do		7.14	8.16	8.65	9.17	9.29	8.97	8.22	7.80	7.49	7.56	7.50	7.45	7.33	7.34	7.40	7.40		
Yield on U.S. Gov. securities (taxable): 3-month bills (rate on new issue) percent		6.690	8.120	8.480	8.830	8.700	8.400	8.220	7.920	7.910	7.720	7.590	7.650	7.640	7.760	7.870			
CONSUMER INSTALLMENT CREDIT																			
Not seasonally adjusted																			
Total outstanding (end of period) # mil. \$		671,362	728,749	682,274	682,154	687,288	692,263	697,270	699,019	706,098	709,606	711,271	716,900	728,749	723,394	718,665			
By major holder:																			
Commercial banks do		323,931	339,706	316,898	314,743	318,603	321,053	323,107	323,368	326,997	329,543	331,135	333,679	339,706	338,948	335,342			
Finance companies do		146,212	141,793	141,292	140,207	141,730	143,265	144,882	145,424	145,990	147,207	144,418	143,760	141,793	141,013	139,369			
Credit unions do		87,110	90,749	86,865	87,346	88,222	88,874	89,488	89,672	90,727	90,980	91,051	90,816	90,749	90,253	89,750			
Retailers do		47,363	47,017	41,071	40,762	40,591	40,829	40,962	40,787	41,180	41,171	41,434	42,680	47,017	44,623	42,870			
Savings institutions do		62,572	57,760	62,674	62,007	61,808	61,648	60,178	59,679	59,679	58,678	58,439	57,760	57,160	56,460				
Seasonally adjusted																			
Total outstanding (end of period) # do			687,397	691,162	693,911	698,132	700,849	700,344	704,371	707,562	712,160	716,508	720,307	723,723					
By major holder:																			
Commercial banks do		318,423	318,242	320,458	323,363	324,438	323,621	326,185	327,327	330,746	332,675	334,541	337,246	336,932					
Finance companies do		143,419	143,070	144,378	145,523	146,055	145,488	144,188	141,273	141,273	141,396	140,484	141,481	141,373					
Credit unions do		87,813	88,514	89,330	89,890	90,073	89,852	90,016	89,892	89,856	89,677	89,717	90,370	90,730					
Retailers do		41,052	41,300	41,301	41,323	41,649	41,798	41,989	42,221	42,319	42,554	42,744	42,724	42,851					
Savings institutions do		63,109	62,785	61,919	61,311	59,920	60,092	59,229	59,883	58,890	58,264	57,229	56,852						
By major credit type:																			
Automobile do		258,767	288,850	289,654	290,741	290,192	288,526	288,533	287,754	288,747	289,200	289,111	291,127	292,016					
Revolving do		178,570	182,831	184,500	186,502	189,622	191,028	194,398	195,302	196,379	198,240	203,175	203,477	203,962					
Mobile home do		25,992	24,168	23,993	23,952	23,685	23,680	22,988	22,991	22,947	22,567	22,558	22,553	22,530					
Total net change (during period) # do		5,876	3,765	2,749	4,221	2,717	-505	2,657	1,371	3,191	4,598	4,347	3,799	3,416					
By major holder:																			
Commercial banks do		1,626	-181	2,216	2,905	1,075	-817	2,514	1,192	3,419	1,929	1,866	2,705	-314					
Finance companies do		1,624	-349	1,308	1,145	532	-567	-1,102	-198	-2,915	123	-912	997	-108					
Credit unions do		720	701	816	560	183	-221	164	-124	-36	-179	40	653	360					
Retailers do		67	247	1	22	326	149	191	232	98	235	190	-20	127					
Savings institutions do		242	-375	-816	-608	-1,391	172	-863	654	-993	-626	-979	-56	-377					
By major credit type:																			
Automobile do		2,385	82	804	1,087	-549	-1,667	7	-779	993	453	-89	2,016	889					
Revolving do		1,854	4,261	1,670	2,002	3,120	1,406	3,370	904	1,076	2,861	3,935	3,802	485					
Mobile home do		-44	-1,824	-174	-41	-267	-56	-692	53	-44	-380	-9	-26	-2					
FEDERAL GOVERNMENT FINANCE																			
Federal receipts and outlays:																			
Receipts (net) mil. \$		1908,166	1990,691	61,897	68,205	128,892	71,025	108,249	66,191	76,136	99,283	68,426	71,213	89,130	99,538	65,170	64,811		
Outlays (net) mil. \$		1,063,318	1,142,680	89,769	103,984	88,320	96,491	100,460	84,430	98,285	105,299	94,428	100,958	91,271	100,434	118,151			
Total surplus or deficit (—) mil. \$		-155,151	-151,988	-27,871	-35,779	40,572	-25,466	-7,789	18,239	-18,239	-22,150	-6,066	-26,002	-29,746	-14,774	-8,267	-53,333		
Federal financing, total do		155,151	151,988	27,871	35,779	-40,572	25,466	-7,789	18,239	22,150	6,066	26,002	29,746	14,774	-8,267	35,264	53,333		
Borrowing from the public do		140,369	17,190	14,405	-1,291	10,214	1,098	-3,962	35,854	6,672	36,690	19,790	6,821	15,841	18,221	56,000			
Other do		-10,988	-11,619	10,681	22,374	-38,291	15,252	-8,887	22,201	-13,704	-6,066	-10,688	9,956	7,953	-24,108	17,043	-2,733		
Gross amount of debt outstanding do		2,614,581	2,881,112	2,745,577	2,763,562	2,779,291	2,800,128	2,823,955	2,824,487	2,860,454	2,881,112	2,924,765	2,946,111	2,975,537	3,004,900	3,025,827	3,081,881		
Held by the public do		2,063,900	2,204,270	2,142,315	2,155,684	2,154,398	2,164,607	2,165,705	2,161,743	2,197,597	2,204,270	2,240,959	2,260,749	2,267,570	2,284,743	2,302,965	2,359,048		
Federal receipts by source and outlays by agency:																			
Receipts (net), total mil. \$		1908,166	1990,691	61,897	68,205	128,892	71,025	108,249	66,191	76,136	99,283	68,426	71,213	89,130	99,538	65,170	64,811		
Individual income taxes (net) mil. \$		401,181	445,690	23,427	17,769	65,533	25,336	49,876	29,377	36,982	45,026	35,493	34,448	37,385	56,044	28,830	33,171		
Corporation income taxes (net) mil. \$		94,195	103,291	907	12,744	14,649	1,926	20,878	2,042	1,963	19,430	729	2,385	18,878	3,118	1,231	12,651		
Social insurance taxes and contributions (net) mil. \$		334,385	359,416	32,086	30,268	39,496	35,349	31,276	27,941	28,470	29,259	24,308	26,791	25,805	32,863	29,055	32,961		
Other do		78,454	82,392	5,479	7,423	6,173	8,414	6,215	6,832	8,794	5,518	7,896	7,588	7,062	7,517	6,054	6,035		
Outlays (net), total do		1,063,318	1,142,680	89,769	103,984	88,320	96,491	100,460	84,430	98,285	105,299	94,428	100,958	103,903	91,271	100,434	118,151		
Agriculture Department do		44,003	48,414	4,158	3,832	4,589	3,677	3,209	3,018	2,247	3,821	5,167	3,553	3,762	3,297	5,085			
Defense Department, military do		281,935	294,876	22,546	28,918	20,590	24,327	28,379	20,478	25,813	27,750	19,152	24,586	27,759	21,137	24,157	28,685		
Health and Human Services Department do		373,169	399,774	32,227	35,553	31,650	34,363	38,818	31,642	34,859	34,590	33,207	34,029	35,840	35,172	36,045	37,755		
Treasury Department do		201,644	230,573	16,473	16,380	16,443	19,227	35,659	14,325	16,886	14,482	14,813	19,457	40,660	41,596	416,826	393,048		
National Aeronautics and Space Adm. do		9,092	11,036	709	1,043	809	966	998	822	989	1,003	1,126	976	1,065	904	923	1,085		
Veterans Affairs Department do		29,249	30,041	2,278	3,758	1,246	2,805	3,587	1,211	2,257	3,628	1,492	2,6						

See footnotes at end of tables.

Unless otherwise stated in footnotes
below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
FINANCE—Continued																	
MONETARY STATISTICS																	
Currency in circulation (end of period).....bil. \$..	247.7	260.4		242.9			249.2			247.6			260.4				
Money stock measures and components (averages of daily figures): †																	
Measures (not seasonally adjusted):																	
M1 .....bil. \$..	776.0	783.7	773.0	775.9	791.6	767.7	774.4	782.3	778.1	779.1	785.0	791.7	812.1	802.2	778.7	795.4	
M2 .....do	3,009.4	3,129.5	3,065.8	3,080.7	3,100.2	3,071.2	3,099.1	3,182.7	3,146.4	3,156.3	3,178.9	3,204.3	3,232.8	3,240.8	3,242.2	3,263.4	
M3 .....do	3,819.2	3,987.6	3,925.7	3,954.4	3,971.1	3,950.7	3,978.5	4,005.4	4,011.7	4,009.1	4,016.3	4,088.4	4,054.7	4,054.9	4,052.9	4,067.4	
L (M3 plus other liquid assets).....do	4,534.6	4,782.7	4,694.4	4,729.7	4,759.9	4,744.9	4,771.6	4,792.9	4,812.0	4,818.2	4,831.2	4,855.4	4,881.8	4,883.2	4,876.9		
Components (not seasonally adjusted):																	
Currency .....do	205.3	217.5	211.9	213.9	215.1	216.6	218.4	219.7	219.2	218.6	218.9	221.0	225.3	222.9	224.3	227.0	
Demand deposits .....do	289.0	280.4	275.8	276.0	283.3	273.6	276.7	281.8	277.1	276.3	280.7	281.5	291.6	283.0	271.4	271.7	
Other checkable deposits ‡.....do	274.4	278.5	278.2	279.0	286.3	270.3	271.8	272.7	273.7	276.5	278.1	282.1	288.4	289.3	285.0	289.4	
Overnight RP's and Eurodolars ◊.....do	78.1	79.1	83.3	82.0	78.5	77.8	79.6	80.9	78.3	74.8	75.3	74.9	76.8	80.8	81.7	81.4	
General purpose and broker/dealer money market funds.....do	232.2	276.3	248.4	256.8	260.7	260.7	266.8	275.6	286.8	294.9	301.3	309.7	311.2	316.8	327.8	332.0	
Money market deposit accounts.....do	517.5	475.0	487.0	481.7	472.8	458.8	458.6	461.4	467.0	470.6	474.6	483.1	487.8	489.2	491.0	496.8	
Savings deposits.....do	426.4	409.9	417.1	417.0	412.9	406.4	406.2	407.3	404.9	404.6	407.2	407.6	406.2	407.8	410.0	414.1	
Small time deposits @.....do	979.2	1,355.5	4,057.0	1,067.1	1,083.7	1,099.8	1,113.5	1,125.1	1,131.2	1,132.1	1,135.5	1,137.3	1,138.7	1,144.0	1,143.7	1,143.7	
Large time deposits @.....do	512.5	564.1	553.5	562.1	566.6	572.5	572.6	570.7	570.4	567.4	565.4	563.6	558.1	552.9	549.8	546.8	
Measures (seasonally adjusted):																	
M1 .....do			786.7	785.5	782.1	776.2	773.7	779.1	780.4	782.9	788.1	789.4	794.7	780.2	804.6		
M2 .....do			3,078.2	3,086.9	3,089.4	3,089.3	3,101.6	3,127.0	3,146.7	3,163.3	3,181.4	3,200.6	3,220.0	3,229.1	3,254.2	3,268.6	
M3 .....do			3,936.9	3,956.6	3,965.1	3,965.6	3,984.9	4,007.2	4,012.0	4,012.0	4,016.2	4,028.7	4,040.6	4,045.8	4,064.3	4,068.7	
L (M3 plus other liquid assets).....do			4,699.8	4,782.0	4,757.0	4,756.6	4,778.8	4,803.8	4,817.3	4,822.7	4,831.2	4,846.5	4,864.4	4,881.8			
Components (seasonally adjusted):																	
Currency .....do			214.1	215.3	215.7	216.6	217.2	217.8	218.6	219.3	220.0	220.4	221.9	224.6	226.6	228.4	
Demand deposits .....do			284.9	283.9	281.3	279.6	276.3	279.6	278.5	278.1	280.0	278.8	279.7	277.3	280.2	279.4	
Other checkable deposits ‡.....do			280.2	279.1	277.9	272.8	273.0	274.5	276.0	278.4	280.8	282.8	285.7	285.3	286.8	289.2	
Savings deposits.....do			421.0	417.9	412.0	405.4	403.4	403.3	404.0	405.5	406.1	407.9	409.0	410.2	413.6	414.6	
Small time deposits @.....do			1,054.2	1,066.4	1,084.1	1,103.0	1,114.0	1,122.4	1,130.0	1,132.6	1,135.9	1,138.5	1,142.2	1,142.5	1,141.1	1,143.3	
Large time deposits @.....do			553.3	560.1	568.3	573.1	574.9	574.7	570.5	565.6	562.7	561.0	558.3	554.1	549.6	544.8	
PROFITS AND DIVIDENDS (QTRLY.)																	
Manufacturing corps. (Bureau of the Census):																	
Net profits after taxes, all manufacturing.....mil. \$..	154,583	137,372			38,488			36,463			33,491			28,930			
Food and kindred products.....do	20,671	16,446			3,854			3,933			3,233			5,426			
Textile mill products.....do	1,560	1,322			387			499			406			30			
Paper and allied products.....do	8,081	7,000			1,979			2,022			1,850			1,149			
Chemicals and allied products.....do	23,651	24,755			6,875			6,300			6,265			4,817			
Petroleum and coal products.....do	21,225	19,488			5,658			8,822			4,733			5,225			
Stone, clay, and glass products.....do	2,453	1,899			—8			779			844			284			
Primary nonferrous metal.....do	4,256	3,909			1,234			1,219			1,100			356			
Primary iron and steel.....do	993	1,648			476			450			429			293			
Fabricated metal products.....do	5,335	5,981			2,116			1,648			1,458			759			
Machinery (except electrical).....do	13,778	9,720			2,667			2,401			2,254			2,398			
Electrical and electronic equipment.....do	11,143	9,879			2,396			2,518			2,422			2,543			
Transportation equipment (except motor vehicles and equipment).....mil. \$..	5,019	4,373			1,388			1,343			1,076			616			
Motor vehicles and equipment.....do	12,474	8,232			3,867			3,469			1,154			—258			
All other manufacturing industries.....do	23,944	22,770			5,651			5,560			6,267			5,292			
Dividends paid (cash), all manufacturing.....do	57,064	65,443			16,517			17,437			15,786			15,703			
SECURITIES ISSUED																	
Securities and Exchange Commission:																	
Estimated gross proceeds, total.....mil. \$..	228,387	(1)															
By type of security:																	
Bonds and notes, corporate.....do	172,499	(1)															
Common stock.....do	45,485	(1)															
Preferred stock.....do	6,506	(1)															
By type of issuer:																	
Corporate, total #.....mil. \$..	224,490	(1)															
Manufacturing.....do	83,327	(1)															
Extractive.....do	4,742	(1)															
Public utility.....do	12,793	(1)															
Transportation.....do	3,078	(1)															
Communication.....do	4,031	(1)															
Financial and real estate.....do	147,030	(1)															
State and municipal issues (Bond Buyer):																	
Long-term.....do	117,829	123,037	8,523	9,697	8,440	8,176	14,634	9,776	10,646	11,336	10,142	10,427	14,030	7,321	6,387	9,880	
Short-term.....do	22,839	29,002	1,350	1,840	5,023	9,963	4,577	1,847	5,457	1,468	1,835	814	2,426	1,123	999	1,746	
SECURITY MARKETS																	
Stock Market Customer Financing																	
Margin credit at broker-dealers, end of year or month.....mil. \$..	32,740	34,320	31,480	32,130	32,610	33,140	34,730	34,360	33,940	35,020	35,110	34,630	34,320	32,640	31,480	30,760	
Free credit balances at brokers, end of year or month:																	
Margin-account.....do	5,660	7,040	5,605	5,345	5,450	5,250	6,900	5,420	5,580	5,680	6,006	5,815	7,040	6,755	6,575	6,525	
Cash-account.....do	16,595	18,505	16,195	16,045	16,125	15,965	19,080	16,345	16,								

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		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
FINANCE—Continued																		
Bonds—Continued																		
Yields:																		
Domestic corporate (Moody's)..... percent..		10.18	9.66	10.05	10.18	10.14	9.95	9.50	9.34	9.36	9.41	9.34	9.32	9.30	9.43	9.64	9.73	
By rating:																		
Aaa..... do		9.71	9.26	9.64	9.80	9.79	9.57	9.10	8.93	8.96	9.01	8.92	8.89	8.86	8.99	9.22	9.37	
Aa..... do		9.94	9.46	9.83	9.98	9.94	9.75	9.29	9.14	9.14	9.23	9.19	9.14	9.11	9.27	9.45	9.51	
A..... do		10.24	9.74	10.13	10.26	10.20	10.00	9.59	9.42	9.45	9.51	9.44	9.42	9.39	9.54	9.75	9.82	
Baa..... do		10.83	10.18	10.61	10.67	10.61	10.46	10.03	9.87	9.88	9.91	9.81	9.82	9.94	10.14	10.21		
By group:																		
Industrials..... do		9.91	9.66	10.08	10.19	10.13	9.97	9.51	9.34	9.35	9.39	9.31	9.30	9.28	9.42	9.61	9.70	
Public utilities..... do		10.45	9.66	10.02	10.16	10.14	9.92	9.49	9.34	9.37	9.43	9.37	9.33	9.31	9.44	9.67	9.75	
Railroads..... do		10.03	(1)	10.05	10.19	10.27	10.31	10.17	10.05									
Domestic municipal:																		
Bond Buyer (20 bonds)..... do		7.66	7.23	7.56	7.64	7.40	7.15	7.02	6.86	7.16	7.40	7.24	7.04	6.97	7.24	7.25	7.33	
Standard & Poor's Corp. (15 bonds)..... do		7.74	7.24	7.47	7.61	7.49	7.25	6.97	6.97	7.08	7.27	7.22	7.13	7.01	7.13	7.21	7.29	
U.S. Treasury bonds, taxable \$..... do		8.98	8.58	9.16	9.33	9.18	8.95	8.40	8.19	8.26	8.31	8.15	8.03	8.02	8.39	8.66	8.74	
Stocks																		
Prices:																		
Dow Jones averages (65 stocks).....		772.17	966.86	880.52	866.99	897.32	932.47	955.80	990.60	1,065.83	1,078.40	1,049.44	1,004.41	1,029.12	1,001.68	972.19	1,006.45	
Industrial (30 stocks).....		2,060.82	2,508.91	2,304.30	2,288.11	2,348.91	2,439.55	2,594.90	2,554.03	2,691.11	2,693.41	2,642.49	2,728.47	2,679.24	2,614.18	2,700.13		
Public utility (15 stocks).....		179.74	205.72	186.64	182.81	187.98	196.28	206.72	215.52	218.08	215.95	216.64	221.02	232.05	223.19	221.17	216.96	
Transportation (20 stocks).....		863.83	1,194.30	1,078.18	1,046.32	1,098.04	1,139.83	1,158.90	1,223.05	1,407.13	1,462.67	1,342.02	1,188.12	1,182.98	1,139.75	1,083.36	1,160.31	
Standard & Poor's Corporation: \$																		
Combined index (500 Stocks)..... 1941-43=10..		265.79	322.84	294.01	292.71	302.25	313.93	323.73	331.93	346.61	347.33	347.40	340.22	348.57	339.97	330.45	338.47	
Industrial, total (400 Stocks) #..... do		306.68	370.28	339.70	337.74	348.47	360.88	370.36	379.45	396.63	397.08	396.34	388.11	389.43	390.58	381.11	391.71	
Capital goods..... do		252.83	278.70	273.90	262.31	265.71	274.71	279.47	282.04	296.33	294.62	288.65	277.78	286.06	283.39	294.80		
Consumer goods..... do		305.76	398.17	353.53	352.18	368.61	386.24	399.70	411.63	434.05	430.76	439.31	430.31	432.27	423.16	406.89	418.06	
Utilities (40 Stocks)..... do		108.74	132.16	116.88	119.91	127.74	133.50	137.22	140.47	149.98	142.71	143.74	152.18	146.04	149.09	141.92		
Transportation (20 Stocks)..... 1982=100..		209.02	271.78	251.42	245.69	250.63	262.59	268.10	276.07	307.44	315.42	297.89	272.41	276.07	270.90	261.42	274.48	
Railroads..... 1941-43=10..		158.73	197.31	187.76	185.35	182.19	194.18	198.07	211.31	215.45	208.51	198.92	205.58	210.40	208.34	209.18		
Financial (40 Stocks)..... 1970=10..		24.09	30.24	26.68	26.96	28.31	29.10	30.85	31.70	33.16	33.24	33.76	32.48	31.14	29.68	28.17	28.50	
Money center banks..... 1941-43=10..		92.05	116.14	104.23	104.67	113.23	114.86	122.57	122.12	127.09	125.45	130.47	117.79	111.50	103.93	96.47	97.69	
Major regional banks..... do		103.22	122.18	109.51	109.29	113.96	121.88	129.20	132.01	136.60	135.63	132.49	123.77	116.75	114.22	109.09	108.99	
Property-Casualty Insurance..... do		271.62	326.84	288.70	295.79	307.82	301.76	316.61	321.65	344.12	345.97	364.37	381.59	373.23	362.11	364.89	366.84	
N.Y. Stock Exchange common stock indexes:																		
Composite..... 12/31/65=50..		149.91	180.02	165.08	164.60	169.88	175.30	180.76	185.15	192.94	193.02	192.49	188.50	192.67	187.96	182.55	186.26	
Industrial..... do		180.95	216.23	200.00	199.20	204.81	211.51	216.75	221.74	231.82	230.86	229.40	224.38	220.12	225.79	220.60	226.14	
Transportation..... do		184.12	175.28	162.66	160.14	164.32	168.89	173.47	179.82	197.52	202.02	190.36	174.26	177.25	173.67	166.69	175.08	
Utility..... do		71.77	87.43	77.84	77.66	79.72	84.07	87.90	90.40	92.90	93.44	94.67	94.95	99.73	95.69	92.15	92.99	
Finance..... do		127.26	151.88	137.19	143.26	146.59	154.09	157.78	164.86	165.51	166.55	160.89	155.63	150.11	142.68	143.14		
NASDAQ over-the-counter price indexes:																		
Composite..... 2/5/71=100..		374.43	437.80	404.08	403.99	417.13	435.99	447.61	446.70	461.83	469.28	469.68	454.70	449.01	439.35	424.52	436.09	
Industrial..... do		379.49	428.88	399.80	396.74	409.76	431.81	437.84	434.03	448.47	455.01	455.91	441.63	440.00	436.80	427.83	447.48	
Insurance..... do		408.17	504.75	461.07	469.40	480.85	483.04	503.78	513.43	535.62	538.04	538.37	546.07	547.35	522.05	491.88	503.71	
Bank..... do		444.14	457.08	458.87	457.58	457.31	460.50	475.70	472.14	484.22	485.08	460.01	427.08	395.94	386.67	375.76	374.38	
NASDAQ/NMS composite..... 7/10/84=100..		161.95	191.02	175.62	175.67	181.71	190.19	195.38	195.04	201.86	205.14	198.82	196.47	192.26	185.72	190.91		
Industrial..... do		146.78	167.51	155.66	154.51	159.95	168.95	171.32	169.85	175.63	178.19	178.64	173.11	172.88	171.71	168.26	176.25	
Yields (Standard & Poor's Corp.):																		
Composite (500 stocks)..... percent..		3.64	3.45	3.59	3.68	3.59	3.52	3.44	3.38	3.28	3.29	3.29	3.39	3.33	3.41	3.54		
Industrials (400 stocks)..... do		3.14	3.01	3.10	3.18	3.10	3.06	3.01	2.97	2.86	2.88	2.89	2.98	2.94	3.01	3.12		
Utilities (40 stocks)..... do		7.08	6.39	6.92	7.06	6.95	6.62	6.35	6.20	6.11	6.05	5.95	5.98	5.53	5.84			
Transportation (20 stocks)..... do		2.48	2.14	2.17	2.24	2.21	2.09	2.04	1.98	1.93	1.88	2.02	2.32	2.37	2.42			
Financial (40 stocks)..... do		4.34	3.73	4.03	4.07	3.90	3.85	3.64	3.58	3.42	3.44	3.39	3.57	3.77	3.98	4.25		
Preferred stocks, 10 high-grade..... do		9.24	9.04	9.31	9.43	9.50	9.32	8.96	8.81	8.75	8.82	8.85	8.73	8.75	8.80	8.90	9.02	
Sales:																		
Total on all registered exchanges (SEC):																		
Market value..... mil. \$		1,587,012	1,844,768	143,957	148,021	136,598	157,168	178,088	144,776	190,751	153,234	185,652	136,071	144,184	146,180			
Shares sold..... millions..		52,533	54,239	4,675	4,530	4,115	4,722	4,967	4,141	5,146	4,416	4,889	4,056	4,422	4,409			
On New York Stock Exchange:																		
Market value..... mil. \$		1,377,711	1,576,899	124,800	126,697	116,894	133,978	153,329</										

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in Business Statistics, 1961-88

	Units	Annual		1989									1990				
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
FOREIGN TRADE OF THE UNITED STATES—Continued																	
VALUE OF EXPORTS—Continued																	
Exports (mdse.), incl. reexports—Continued																	
Western Hemisphere:																	
Canada ♦.....mil. \$	71,622.0	78,638.9	6,484.8	7,248.4	7,308.4	7,417.6	6,958.0	5,147.7	6,228.5	6,404.1	6,962.9	6,557.9	5,834.2	7,271.5	6,639.0		
Brazil.....do	4,266.5	4,799.4	334.8	333.4	348.0	304.9	434.5	395.5	461.6	458.6	434.9	505.7	404.6	482.1			
Mexico.....do	20,628.4	24,968.8	2,052.1	2,173.2	2,058.8	2,091.7	2,154.3	2,042.1	2,145.4	1,998.7	2,346.0	2,000.7	2,060.2	2,153.0	2,052.0		
Venezuela.....do	4,611.9	3,035.7	368.2	287.7	247.9	222.4	223.9	215.6	188.7	208.7	258.0	206.7	227.0	166.0	199.8		
Asia:																	
China.....do	5,021.4	5,807.4	499.2	558.1	404.4	471.0	355.2	644.7	703.7	456.2	555.3	306.6	443.4	359.4	516.7		
Hong Kong.....do	5,687.4	6,304.0	494.2	589.0	602.0	519.4	659.6	501.1	506.5	585.8	469.2	483.7	514.2	439.1	626.2		
Japan.....do	37,725.2	44,583.9	3,292.1	4,167.5	3,636.9	3,602.9	3,966.4	3,942.3	3,932.9	3,655.4	3,723.9	3,751.8	4,072.6	3,974.2	3,765.8		
Republic of Korea.....do	11,231.8	13,478.0	998.9	1,186.4	1,009.0	1,158.2	1,302.5	1,241.5	1,087.5	1,170.6	1,110.0	1,120.4	1,160.5	1,150.4	1,069.4		
Saudi Arabia.....do	3,776.1	3,576.0	294.5	334.7	302.6	290.5	275.4	243.1	251.1	282.7	286.8	237.3	344.7	282.6	248.7		
Singapore.....do	5,767.6	7,352.7	507.5	795.6	567.3	566.8	606.5	666.8	618.8	592.3	581.7	699.6	706.1	610.9	549.2		
Taiwan.....do	12,129.1	11,322.9	833.9	919.0	1,023.3	1,004.9	940.0	924.2	976.1	894.9	1,010.3	965.7	1,125.2	996.3	883.4		
Africa:																	
Nigeria.....do	356.7	491.8	43.5	31.7	19.4	40.7	33.1	112.8	27.3	37.7	39.2	38.6	33.6	27.4	53.8		
Republic of South Africa.....do	1,687.6	1,659.1	105.7	175.9	157.5	138.2	149.4	124.4	127.0	150.5	149.8	117.0	151.1	148.9	114.1		
Australia.....do	6,972.9	8,347.0	608.8	689.2	616.9	681.5	690.7	714.7	799.7	909.7	813.2	630.4	640.2	848.6	563.2		
OPEC.....do	13,994.3	13,234.5	1,154.0	1,124.5	1,103.8	1,101.4	974.5	1,088.0	920.6	993.8	1,098.1	1,036.2	1,475.1	1,032.6	956.5		
Exports of U.S. merchandise, total @.....do	310,049.1	349,650.4	26,881.7	31,688.5	30,224.8	30,109.9	30,289.3	27,641.2	28,533.7	28,842.1	30,691.5	29,085.5	29,341.8	29,079.6	29,341.3		
By commodity groups and principal commodities:																	
Agricultural products, total.....do	37,046.6	40,003.8	3,469.7	4,040.2	3,421.1	3,314.1	3,048.8	2,966.2	2,768.2	3,011.8	3,392.2	3,654.8	3,559.8	3,716.5	3,459.9		
Nonagricultural products, total.....do	285,379.8	310,013.9	23,641.3	25,126.3	24,435.7	26,818.4	26,562.6	24,928.1	25,614.7	27,440.2	28,487.4	26,515.0	27,622.7	25,488.0	25,881.4		
Food and live animals #.....mil. \$	26,181.8	29,728.8	2,413.1	2,918.2	2,497.1	2,579.4	2,396.5	2,533.6	2,332.4	2,398.1	2,401.6	2,540.8	2,473.0	2,516.9	2,392.7		
Beverages and tobacco.....do	4,555.6	5,509.7	469.6	491.4	398.7	433.0	434.7	384.0	452.6	446.4	477.7	570.9	566.9	449.9	478.8		
Crude materials, inedible, exc. fuels #.....do	25,151.8	26,946.7	2,272.1	2,621.4	2,262.8	2,238.5	2,218.5	2,178.5	2,045.8	2,058.6	2,343.4	2,184.5	2,444.5	2,527.8	2,313.3		
Mineral fuels, lubricants, etc. #.....do	8,235.2	9,865.4	673.0	783.0	871.0	831.1	717.6	842.5	841.1	886.9	981.1	945.9	886.4	766.3			
Oils and fats, animal and vegetable.....do	1,521.7	1,349.8	115.0	127.8	105.1	105.1	99.2	124.4	165.3	113.2	86.4	105.0	97.6	93.8			
Chemicals.....do	32,280.7	36,485.0	2,860.9	3,231.2	3,282.0	3,406.5	3,364.9	3,111.4	3,067.5	2,992.5	2,943.0	2,821.4	2,796.8	3,120.1	2,868.4		
Manufactured goods classified chiefly by material.....mil. \$	23,594.0	27,242.8	2,106.4	2,595.8	2,266.1	2,354.2	2,372.7	2,158.1	2,351.8	2,332.5	2,470.5	2,226.0	2,239.1	2,561.4	2,408.3		
Miscellaneous manufactured articles.....do	23,685.7	32,637.4	2,423.8	2,965.9	2,650.5	2,672.3	3,045.1	2,671.9	2,738.9	2,797.3	2,781.2	2,792.3	2,931.6	3,100.4	2,819.3		
Machinery and transport equipment, total.....do	135,081.6	148,799.9	11,231.6	13,788.9	12,839.1	12,533.6	12,797.5	11,810.7	11,965.8	13,212.1	13,508.6	11,864.8	13,145.1	12,787.8	14,145.5		
Machinery, total #.....do	88,493.0																
Transport equipment, total.....do	46,702.8																
Motor vehicles and parts.....do	24,019.7	28,613.0	2,049.2	2,260.2	2,143.3	2,124.2	2,038.4	1,403.5	1,668.5	1,944.8	2,171.5	2,080.5	1,982.1	1,740.1	2,263.1		
VALUE OF IMPORTS																	
General imports, total @.....do	440,952.3	472,976.6	36,687.1	40,146.8	38,185.1	40,895.7	40,494.1	39,456.4	40,513.9	38,605.8	43,404.3	40,913.4	37,641.8	40,309.9	37,320.6		
Seasonally adjusted †.....do																	
Western Europe.....do	100,442.8	101,725.1	8,813.1	9,209.7	8,839.4	8,667.3	8,539.3	8,811.5	8,249.7	7,660.7	9,830.7	9,092.5	8,176.8	8,754.0	8,118.7		
European Economic Community.....do	84,938.5	85,128.9	6,772.5	7,721.1	6,935.3	7,212.9	7,172.0	7,466.5	7,146.1	6,397.4	7,780.4	7,611.6	6,843.5	7,451.2	6,841.7		
Belgium and Luxembourg.....do	4,493.3	4,569.6	379.3	434.6	404.1	394.1	397.8	420.1	299.5	372.5	409.1	418.1	331.3	366.8	348.5		
France.....do	12,508.5	13,028.6	1,063.3	1,128.0	1,162.0	1,034.7	1,300.0	1,111.7	1,011.2	949.0	1,127.8	1,161.5	1,061.9	1,073.7	987.2		
Federal Republic of Germany.....do	26,361.9	24,833.7	1,958.3	2,334.5	2,091.6	2,086.1	1,980.6	2,155.1	2,064.0	1,836.1	2,233.4	2,140.5	2,051.4	2,202.9	2,115.0		
Italy.....do	11,576.0	11,945.9	826.1	1,142.9	925.3	979.8	1,053.3	1,180.2	1,113.7	775.1	1,136.6	1,095.6	954.0	1,054.8	999.5		
Netherlands.....do	4,558.9	4,796.1	401.2	439.3	346.9	370.9	372.1	406.1	375.2	388.0	491.5	445.5	398.3	415.2	386.0		
United Kingdom.....do	17,976.4	18,242.3	1,520.2	1,586.4	1,397.8	1,681.6	1,378.7	1,514.7	1,655.5	1,496.4	1,724.6	1,674.9	1,399.8	1,642.6	1,506.9		
Eastern Europe.....do	2,162.6	2,060.4	159.6	204.2	153.3	144.7	190.2	186.0	166.7	168.9	173.8	164.7	145.1	230.2	184.1		
Union of Soviet Socialist Republics.....do	586.0	702.7	42.4	80.9	64.4	40.6	81.9	63.5	54.8	52.2	56.1	47.7	44.5	124.0	70.2		
Western Hemisphere:																	
Canada.....do	81,397.9	88,210.0	7,295.8	7,636.2	7,483.2	8,138.8	7,506.6	5,619.1	7,393.0	7,014.3	7,794.9	7,680.9	6,755.9	6,906.5	6,933.7		
Brazil.....do	9,294.3	8,379.0	731.2	674.7	713.4	627.1	829.5	759.1	788.8	635.7	729.4	609.4	608.1	779.6	604.6		
Mexico.....do	23,259.7	27,186.3	2,141.5	2,278.8	2,377.0	2,543.7	2,253.2	2,160.0	2,380.2	2,216.5	2,436.4	2,354.0	2,067.1	2,380.8	2,388.3		
Venezuela.....do	5,157.4	6,786.0	404.5	546.4	553.5	632.1	542.6	526.7	552.7	541.1	650.8	665.2	650.8	752.8	571.5		
Asia:																	
China.....do	8,510.9	11,988.5	823.8	668.6	727.7	932.6	1,016.6	1,154.9	1,283.7	1,183.0	1,338.4	1,130.4	941.7	1,200.3	976.6		
Hong Kong.....do	10,237.8	9,738.6	695.7	622.5	634.9	743.8	808.1	875.9	968.8	889.0	1,058.4	886.6	747.8	909.8	580.3		
Japan.....do	89,518.7	98,5															

Unless otherwise stated in footnotes
below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989										1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
FOREIGN TRADE OF THE UNITED STATES—Continued																
Indexes																
Exports of U.S. merchandise:																
Unit value @1977=100	169.6		172.5	175.5	174.6	175.6	176.6	177.2	(*)							
Quantity .....do.....	149.8		155.7	181.5	169.4	169.9	167.7	155.9	(*)							
Value .....do.....	254.1		268.5	318.6	295.7	298.4	296.2	276.2	(*)							
General imports:																
Unit value @do.....	172.9		177.5	179.7	181.5	182.3	181.5	181.4	(*)							
Quantity .....do.....	175.1		174.2	182.8	173.4	185.6	182.8	177.3	(*)							
Value .....do.....	302.7		309.3	328.7	314.8	338.2	331.7	321.6	(*)							
Shipping Weight and Value																
Waterborne trade:																
Exports (incl. reexports):																
Shipping weight .....thous. met. tons	361,173		28,962	34,760	33,036	34,284	34,563	29,061	30,188	28,165						
Value .....mil. \$	125,782		11,721	13,277	12,564	12,736	11,957	11,989	11,736	8,878						
General imports:																
Shipping weight .....thous. met. tons	464,606		36,814	39,414	38,573	44,918	41,664	44,013	44,960	40,768						
Value .....mil. \$	254,766		21,015	22,283	21,372	23,426	23,109	24,113	23,835	21,667						
TRANSPORTATION AND COMMUNICATION																
TRANSPORTATION																
Air Carriers																
Certificated route carriers:																
Passenger-miles (revenue) .....bil.	423.30	432.71	29.37	36.03	33.57	35.38	40.05	41.90	44.38	34.70	36.15	33.79	35.10			
Passenger-load factor .....percent.	62.5	63.2	56.9	65.0	62.0	62.5	69.7	69.5	72.4	60.5	61.9	60.5	59.9			
Ton-miles (revenue), total .....mil.	53,800	55,457	3,834	4,670	4,373	4,535	5,030	5,200	5,441	4,500	4,711	4,470	4,572			
Operating revenues (quarterly) #mil. \$	'63,638					16,385				17,632				18,153		
Passenger revenues .....do.....	'50,296					12,768				13,803				14,199		
Cargo revenues .....do.....	'7,478					2,199				2,142				2,042		
Mail revenues .....do.....	'972					236				237				225		
Operating expenses (quarterly) \$do.....	'60,136					16,075				16,497				17,317		
Net income after taxes (quarterly) \$do.....	'1,785					-189				577				313		
Domestic operations:																
Passenger-miles (revenue) .....bil.	329.31	329.98	23.28	28.45	26.10	26.94	29.93	30.93	32.97	25.42	27.64	26.37	26.89			
Cargo ton-miles .....mil.	4,843	4,916	368	431	411	418	420	404	420	424	453	429	387			
Mail ton-miles .....do.....	1,367	1,415	107	125	114	110	109	101	114	109	114	119	180			
Operating revenues (quarterly) \$mil. \$	'50,052					13,160				13,977				13,754		
Operating expenses (quarterly) \$do.....	'47,562					12,761				12,823				13,270		
Net income after taxes (quarterly) \$do.....	'1,027					-12				615				87		
International operations:																
Passenger-miles (revenue) .....bil.	93.99	102.74	5.99	7.58	7.48	8.44	10.12	10.97	11.41	9.28	8.51	7.42	8.22			
Cargo ton-miles .....mil.	4,789	5,359	389	470	451	482	457	467	427	461	489	498	425			
Mail ton-miles .....do.....	470	496	35	41	39	38	38	38	41	36	40	44	70			
Operating revenues (quarterly) \$mil. \$	'13,832					3,210				3,640				4,382		
Operating expenses (quarterly) \$do.....	'12,361					3,296				3,657				4,031		
Net income after taxes (quarterly) \$do.....	'720					-176				-38				226		
Urban Transit Industry																
Passengers carried, total ††mil.	8,893	8,904	720	753	785	756	764	688	760	734	785	751	701			
Motor Carriers																
Carriers of property, large, class I, qtrly.:																
Number of reporting carriers	100	100			100					100				100		
Operating revenues, total .....mil. \$	'18,668	'19,750			4,715					5,055				5,094		
Net income, after extraordinary and prior period charges and credits .....mil. \$	'464	'355			80					135				-4		
Tonnage hauled (revenue), common and contract carrier service .....mil. tons	'170	'175			41					43				45		
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA):																
Common carriers of general freight, seas. adj. #‡1967=100	177.2	168.6	171.0	167.7	173.2	172.6	169.5	160.1	168.5	165.4	166.9	165.9	165.5	'172.4	167.8	
Class I Railroads ‡																
Financial operations, quarterly (AAR), excluding Amtrak:																
Operating revenues, total #mil. \$	'27,979	'27,956			6,996					7,105				6,864		
Freight .....do.....	'27,35	'27,059			6,779					6,893				6,631		
Passenger, excl. Amtrak .....do.....	85	91			22					23				23		
Operating expenses .....do.....	'24,883	'25,088			6,265					6,205				5,886		
Net railway operating income .....do.....	'1,961	1,896			443					593				673		
Ordinary income †do.....	'2,319	'2,010			507					635				578		
Traffic:																
Revenue ton-miles, qtrly. (AAR) .....bil.	1,000.4	1,003.3			249.2					254.6				251.1		
Producer Price Index, line haul operations .....12/84=100	104.8	106.4	105.9	105.9	106.0	106.0	106.3	106.9	106.8	106.8	106.8	106.9	106.9	107.1	107.1	107.1
Travel																
Lodging industry:																
Restaurant sales index...same month 1967=100	236				224					240				217		
Hotels: Average room sale ♂dollars	85.12				91.84					89.88				86.38		
Rooms occupied% of total	66				68					70				69		
Motor hotels: Average room sale ♂dollars	45.88				48.15					49.22				47.36		
Rooms occupied% of total	64				66					69				72		
Economy hotels: Average room sale ♂dollars	40.62				39.15					39.32				40.80		
Rooms occupied% of total	65				66					67				77		
National parks, recreation visits # #do.....	55,422	56,422	1,441	2,323	3,081	5,044	7,722	10,252	10,019	6,525	4,865	2,379	1,254	'1,500	1,510	2,266

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1981-1988.	Units	Annual		1989										1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TRANSPORTATION AND COMMUNICATION—Continued																	
COMMUNICATION																	
Telephone carriers:																	
Operating revenues #	mil. \$..																
Station revenues.....	do																
Tolls, message.....	do																
Operating expenses (excluding taxes).....	do																
Net operating income (after taxes).....	do																
Access lines.....	mil																

CHEMICALS AND ALLIED PRODUCTS

CHEMICALS																															
Inorganic Chemicals																															
Production:																															
Aluminum sulfate, commercial (17% Al ₂ O ₃) thous. sh. tons																															
Chlorine gas (100% Cl ₂).....	do	1,232	89	109	97	102	107	104	114	103	105	98	94	103	92																
Hydrochloric acid (100% HCl).....	do	11,257	946	955	972	930	910	949	913	918	942	912	916	892	939																
Phosphorus, elemental.....	do	2,640	222	238	221	249	243	241	241	224	225	213	207	244	250																
Sodium hydroxide (100% NaOH).....	do	343	26	31	29	31	32	32	31	28	31	31	33	31	28																
Sodium silicate, anhydrous.....	do	549	46	49	46	55	50	50	47	50	49	44	46	51	47																
Sodium sulfate (100% Na ₂ SO ₄).....	do	1,022	92	87	96	92	93	97	92	92	96	86	95	96	95																
Sulfur, native (Frasch) and recovered:																															
Production.....thous. met. tons	do	19,450	10,399	794	925	902	908	891	893	868	819	836	808	820	853	1,350															
Stocks (producers') end of period.....do	do	1,112	1,302	1,122	1,159	1,252	1,310	1,387	1,498	1,483	1,500	1,492	1,370	1,302	1,274	1,292															
Inorganic Fertilizer Materials																															
Production:																															
Ammonia, synthetic anhydrous #	thous. sh. tons	16,821	1,342	1,494	1,471	1,505	1,433	1,380	1,268	1,292	1,390	1,400	1,321	1,439	1,375																
Ammonium nitrate, original solution #	do	7,504	647	714	712	724	665	635	606	596	673	640	628	675	606																
Ammonium sulfate #	do	2,333	188	199	207	206	200	198	195	191	194	200	175	200	208																
Nitric acid (100% HNO ₃) #	do	7,991	660	715	701	714	666	640	616	593	661	653	671	699	662																
Nitrogen solutions (100% N) #	do	2,902	243	258	261	269	245	247	204	228	250	220	225	258	233																
Phosphoric acid (100% P ₂ O ₅) #	do	11,677	936	1,045	966	965	869	927	971	953	1,012	980	930	980	931																
Sulfuric acid (100% H ₂ SO ₄) #	do	42,141	8,496	8,821	8,659	8,687	8,291	8,504	8,691	8,541	8,716	8,613	8,601	8,638	8,269																
Superphosphate and other phosphatic fertilizers (gross weight):																															
Production.....thous. sh. tons	do	16,858	1,400	1,640	1,640	1,594	1,366	1,455	1,472	1,429	1,578	1,540	1,422	1,523	1,278																
Stocks, end of period.....do	do	879	989	970	913	874	1,011	962	826	769	852	943	987	902	862																
Potash, sales (K ₂ O).....do	do	5,705	5,791	344	401	731	637	238	256	529	409	489	414	762	560	365															
Imports:																															
Ammonium nitrate.....thous. met. tons	do	267	411	46	37	46	38	46	21	29	24	29	26	29																	
Ammonium sulfate.....do	do	337	307	6	53	48	30	14	9	19	16	48	21																		
Potassium chloride.....do	do	6,796	5,498	396	541	659	427	261	89	472	495	558	460	431																	
Sodium nitrate.....do	do	131	150	14	14	11	21	22	2	12	6	(2)	13	23																	
Industrial Gases																															
Production:																															
Acetylene.....mil. cu. ft	do	5,297	5,220	442	500	469	362	397	357	440	479	522	495	389	356	363															
Hydrogen (high and low purity).....do	do	177,008	166,788	13,475	14,211	13,708	13,793	15,224	14,277	14,481	14,048	14,114	13,521	13,028	10,364	10,834															
Nitrogen (high and low purity).....do	do	722,013	742,275	57,712	63,352	61,188	62,587	58,910	61,618	62,583	61,358	63,719	61,850	66,094	66,437	61,811															
Oxygen (high and low purity).....do	do	451,999	455,702	36,925	40,013	37,985	40,471	39,432	39,073	38,444	36,555	36,422	36,827	34,763	37,709	36,820															
Organic Chemicals																															
Production:																															
Acetylsalicylic acid (aspirin).....thous. met. tons	do	10,8	8,6		2,4			2,4			1,8			2,1																	
Ethyl acetate.....do	do	115,3	129,8		34,0			31,8			31,3			32,7																	
Formaldehyde (37% HCHO).....do	do	2,848.8	2,888.9		731.0			740.6			715.7			701.5																	
Glycerin, refined, all grades.....mil. lb.	do	281.7	293.3	20.9	24.9	24.0	28.5	22.0	23.4	23.1	25.7	27.2	26.2	19.7	23.8	25.8															
Methanol, synthetic.....thous. met. tons	do	3,692.8	3,237.7		752.1			901.6			874.8			709.3																	
Phthalic anhydride.....do	do	452.9	499.6		180.0			130.3			122.2			117.1																	
ALCOHOL																															
Ethyl alcohol and spirits:																															
Production.....mil. tax gal	do	777.6	69.8	68.9	68.6	79.3	76.1	77.6	81.0	89.0	92.0																				
Stocks, end of period.....do	do	39.7	48.1	46.2	43.4	45.7	39.7	44.9	40.5	42.5	42.5																				
Denatured alcohol:																															
Production.....mil. wine gal	do	463.7	38.9	43.4	34.5	47.7	44.6	39.0	44.5	45.8	45.9																				
Consumption (withdrawals).....do	do	469.9	38.0	42.1	36.3	45.8	45.6	39.9	40.9	41.3	41.4																				
For fuel use.....do	do	216.0	13.3	12.8	14.4	17.1	16.5	14.5	15.8	16.7	14.7																				
Stocks, end of period.....do	do	9.2	8.8	9.2	7.6	9.3	9.8	7.9	8.8	13.2	18.6																				

See footnotes at end of tables.

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BUSINESS STATISTICS, 1961-88

Units	Annual		1989										1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.

CHEMICALS AND ALLIED PRODUCTS—Continued

PLASTICS AND RESIN MATERIALS																	
Production:																	
Phenolic resins.....thous. met. tons..	765.3																
Polyethylene and copolymers.....do..	18,479.6	7,701.6			2,004.6			1,598.4		1,913.1			1,885.5				
Polypropylene.....do..	3,291.6	3,004.5			759.7			789.8		707.7			747.2				
Polystyrene and copolymers.....do..	4,166.2																
Polyvinyl chloride and copolymers.....do..	13,895.5	5,004.6			1,098.2			1,031.5		1,254.3			1,227.7				
PAINTS, VARNISH, AND LACQUER ♦																	
Total shipments.....mil. \$..	10,716.1				841.3	952.6	985.7	1,072.7	1,091.5	965.9	1,114.4	1,019.7	995.9	934.9	772.4	866.7	888.0
Architectural coatings.....do..	4,372.1				317.7	387.3	399.1	464.4	464.8	431.0	484.2	414.4	399.0	361.1	298.3	348.8	351.2
Product coatings (OEM).....do..	4,062.0				359.3	369.3	372.6	382.0	393.2	319.8	381.6	380.8	379.5	361.6	308.8	302.7	312.9
Special purpose coatings.....do..	2,281.1				164.4	196.0	213.9	226.2	233.5	215.1	248.7	224.5	217.4	212.1	165.3	215.2	223.9

ELECTRIC POWER AND GAS

ELECTRIC POWER																	
Production:																	
Electric utilities, total.....mil. kw-hr..	2,701,624			219,066	226,436	207,749	219,803	235,397	256,744	258,335	226,861	219,134	219,005				
By fuels.....do..	2,478,686			200,447	203,794	183,674	191,771	209,515	234,074	238,148	207,938	199,058	197,821				
By waterpower.....do..	222,938			18,620	22,642	24,075	28,033	25,881	22,670	20,187	18,923	20,076	21,184				
Sales to ultimate customers, total (Edison Electric Institute).....mil. kw-hr..	2,549,909				648,311				611,933			708,773			639,525		
Commercial \$.....do..	695,181				169,383				170,802			203,271			174,818		
Industrial \$.....do..	880,947				217,772				225,488			233,394			226,341		
Railways and railroads.....do..	5,110				1,358				1,233			1,273			1,342		
Residential or domestic.....do..	885,146				238,476				193,532			250,044			213,945		
Street and highway lighting.....do..	14,537				3,758				3,847			3,486			3,982		
Other public authorities.....do..	64,598				16,573				16,388			16,064			18,056		
Interdepartmental.....do..	4,392				990				1,141			1,241			1,042		
Revenue from sales to ultimate customers (Edison Electric Institute).....mil. \$..	162,188				40,087				39,076			48,125			40,648		
GAS ♦																	
Total utility gas, quarterly (American Gas Association):																	
Customers, end of period, total @.....thous..	52,683				53,552				53,143								
Residential.....do..	48,377				49,109				48,761								
Commercial.....do..	4,088				4,210				4,162								
Industrial @.....do..	168				177				169								
Other.....do..	50				55				51								
Sales to customers, total.....tril. Btu..	10,691				4,002				1,932								
Residential.....do..	4,692				2,152				791								
Commercial.....do..	2,304				961				408								
Industrial.....do..	2,204				622				438								
Electric generation.....do..	1,331				209				263								
Other.....do..	160				58				32								
Revenue from sales to customers, total.....mil. \$..	46,109				18,564				8,531								
Residential.....do..	24,812				11,230				4,496								
Commercial.....do..	10,670				4,659				1,913								
Industrial.....do..	6,702				1,938				1,935								
Electric generation.....do..	3,387				499				669								
Other.....do..	539				239				117								

FOOD AND KINDRED PRODUCTS; TOBACCO

ALCOHOLIC BEVERAGES																	
Beer:																	
Production.....mil. bbl..	198,02	199,14	15,29	17,57	17,30	18,40	18,75	18,28	18,35	15,28	15,82	14,78	13,45	16,46			
Taxable withdrawals.....do..	178,23	179,50	13,20	15,41	14,88	16,78	16,94	16,23	17,41	14,77	14,32	13,40	12,10	14,26			
Stocks, end of period.....do..	14,89	14,60	13,84	14,24	14,99	14,72	14,35	14,60	14,38	13,56	13,06	12,86	14,60	13,53			
Distilled spirits (total):																	
Production.....mil. tax gal..	94,84		9,41	11,42	9,88	9,70	8,93	4,77	6,64	10,31	12,28						
Consumption, apparent, for beverage purposes.....mil. wine gal..	378,20		26,61	30,25	28,42	30,63	31,70	27,86	29,90	28,47	31,01						
Stocks, end of period.....mil. tax gal..	420,92		423,94	427,12	429,09	433,04	423,77	405,70	422,59	413,86	423,34						
Imports.....mil. proof liters..	363,20	368,54	28,23	24,44	26,66	30,52	23,97	24,63	33,85	32,90	54,08	40,00	25,13				
Whisky:																	
Production.....mil. tax gal..	48,35		6,75	9,13	8,12	7,97	6,45	2,60	5,24	5,56	4,93						
Stocks, end of period.....do..	364,56		367,47	371,45	378,97	375,97	370,86	325,93	370,53	361,28	366,50						
Imports.....mil. proof liters..	231,90	223,97	17,15	14,45	15,80	19,35	14,46	13,36	21,44	18,34	36,46	23,21	14,34				
Wines and distilled materials:																	
Effervescent wines:																	
Production.....mil. wine gal..	30,72		2,02	2,14	2,20	1,76	2,33	2,18	2,76	3,48	3,09	3,11					
Taxable withdrawals.....do..	29,27		1,25	1,33	1,27	2,08	2,10	1,27	1,79	2,80	4,17	4,54					
Stocks, end of period.....do..	18,65		17,28	18,32	17,66	17,85	18,07	18,76	19,57	19,44	24,99	18,03					
Imports.....mil. liters..	49,30	54,96	2,10	2,74	2,38	3,27	2,50	2,43	3,43	4,11	7,82	17,63	4,64				
Still wines:																	
Production.....mil. wine gal..	470,95		5,63	4,12	4,73	5,13	6,36	5,26	36,56	147,12	119,11	47,73					
Taxable withdrawals.....do..	445,17		29,40	32,46	33,97	35,88	41,54	31,62	38,66	34,12	34,28	36,23					
Stocks, end of period.....do..	586,77		544,93	538,43	536,81	535,69	533,86	489,14	396,84	538,39	586,15	588,01					
Imports.....mil. liters..	257,40	242,05	13,55	21,02	19,88	21,48	18,68	18,03	20,44	17,76	28,51	27,97	19,75				
Distilling materials produced at wineries.....mil. wine gal..	131,76		3,23	4,95	4,58	4,93	5,56	5,09	12,24	28,12	24,72	9,07					

See footnotes at end of tables.

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methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989										1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																
DAIRY PRODUCTS																
Butter:																
Production (factory).....mil. lb.	1,207.5	1,260.8	124.7	135.7	124.7	122.5	95.3	72.2	80.1	82.1	92.7	93.6	107.7	127.1	115.7	.....
Stocks, cold storage, end of period.....do	214.7	256.2	314.4	341.9	377.2	438.3	464.1	461.3	439.7	407.9	370.6	294.1	256.2	262.0	285.8	.....
Producer Price Index.....1982=100	*90.8	88.0	88.6	88.5	88.5	88.5	88.3	88.3	90.5	89.4	85.5	85.4	84.7	74.0	74.1	.....
Cheese:																
Production (factory), total.....mil. lb.	5,571.6	5,579.6	419.5	488.4	472.6	494.9	485.5	464.6	460.4	447.2	453.0	454.2	482.7	483.7	471.9	.....
American, whole milk.....do	2,756.6	2,676.2	208.7	231.9	236.2	247.0	240.0	226.8	214.0	200.3	206.8	210.2	228.7	231.7	239.8	.....
Stocks, cold storage, end of period.....do	388.1	328.0	404.4	396.6	412.1	424.9	431.9	430.4	419.8	370.2	381.4	330.6	328.0	360.1	378.8	.....
American, whole milk.....do	283.4	234.8	298.0	285.7	293.2	309.1	311.5	312.0	302.3	271.4	250.1	235.2	234.8	260.8	275.1	.....
Imports.....thous. met. tons.	114.6	\$126.6	6.9	8.7	8.0	8.2	8.8	10.2	12.3	12.9	13.3	14.5	15.5	15.5	15.5	.....
Price, wholesale, cheddar, single daisies (Chicago).....\$ per lb.	(*)															
Condensed and evaporated milk:																
Production, case goods.....mil. lb.	588.7	*510.5	41.5	49.0	47.7	47.0	48.6	42.5	42.0	37.8	37.3	33.8	38.8	43.5	46.0	.....
Stocks, manufacturers', case goods, end of period.....do	44.1	26.6	75.1	85.2	90.5	102.6	117.5	116.5	116.7	98.7	69.7	42.8	26.6	48.0	58.1	.....
Exports.....thous. met. tons..	3.5	*13.8	2.5	1.9	3.1	1.2	1.4	1.6	.5	.5	.3	.3	.4			.....
Fluid milk:																
Production on farms †.....mil. lb.	123,518	122,531	9,699	10,825	10,696	11,027	10,327	10,183	10,074	9,668	9,878	9,654	10,047	10,479	9,810	.....
Utilization in manufactured dairy products.....do	85,072	85,361	6,878	7,866	7,654	8,075	7,553	6,851	6,970	6,505	6,525	6,430	6,865	7,373	7,182	.....
Price, wholesale, U.S. average.....\$ per 100 lb.	12.22	13.29	13.10	12.70	12.30	12.20	12.30	12.60	13.20	14.00	14.70	15.50	16.10	15.70	*14.40	13.80
Dry milk:																
Production:																
Dry whole milk.....mil. lb.	172.3	*177.9	13.9	13.5	14.3	14.1	13.9	12.7	14.5	13.9	17.6	16.6	17.6	18.9	12.8	.....
Nonfat dry milk (human food).....do	978.5	*871.3	85.6	95.7	99.8	81.0	60.8	53.9	46.3	48.0	50.8	62.5	61.4	71.2		.....
Stocks, manufacturers', end of period:																
Dry whole milk.....do	12.8	13.0	10.9	10.1	11.7	10.1	10.9	9.0	8.9	6.2	8.0	10.0	13.0	18.0	16.2	.....
Nonfat dry milk (human food).....do	45.1	49.4	79.8	84.6	97.9	98.4	77.5	66.7	56.9	44.6	36.1	32.4	49.4	49.3	57.0	.....
Exports, whole and nonfat (human food).....thous. met. tons..	153.1	*157.1	8.0	16.2	17.9	17.5	24.9	18.9	20.3	14.7	4.6	6.7	1.5			.....
Price, manufacturers' average selling, nonfat dry milk (human food).....\$ per lb..	.773	.993	.841	.816	.828	.834	.854	.908	.979	1.064	1.220	1.410	1.309	.956	.843	.....
GRAIN AND GRAIN PRODUCTS																
Exports (barley, corn, oats, rye, wheat).....mil. bu..	3,448.3	(*)														
Barley:																
Production (crop estimate).....mil. met. tons..	*26,314	*28,784														
Stocks (domestic), end of period, total.....do	78,102	77,689	6,109													
On farms.....do	73,973	74,092	2,684													
Off farms.....do	74,129	*3,597	3,428													
Exports, including malt \$.....thous. met. tons..	2,244.4	*1,841.8	6.9	47.9	308.6	223.8	171.4	225.7	213.1	192.6	110.9	110.4	224.2			
Producer Price Index, No. 2 feed, Minneapolis.....1982=100 ..	110.4	117.9	118.6	130.1	132.2	130.6	106.6	117.5	114.9	112.3	112.8	109.7	114.9	118.6	114.9	116.5
Corn:																
Production (crop estimate, grain only).....mil. met. tons..	*125.19	*191.20														
Stocks (domestic), end of period, total.....do	*179.63	*179.82	132.19													
On farms.....do	*108.72	*119.36	76.74													
Off farms.....do	*70.90	*60.46	55.45													
Exports, including meal and flour.....do	46.32	*56.66	3.94	5.17	4.51	5.38	5.68	3.39	2.72	2.90	4.45	7.47	6.58			
Producer Price Index, No. 2, Chi- cago.....1982=100 ..	97.1	102.4	108.7	111.6	106.9	111.1	103.1	102.4	94.8	94.7	91.8	95.9	94.2	93.9	96.9	99.2
Oats:																
Production (crop estimate).....mil. met. tons..	*23.158	*5,425														
Stocks (domestic), end of period, total.....do	*61.626	*1,427														
On farms.....do	*11.116	*870														
Off farms.....do	*6.510	*557														
Exports, including oatmeal.....metric tons..	29,989	*58,387	2,676	14,769	4,402	6,436	2,853	5,064	3,138	4,798	6,597	2,519	2,423			
Producer Price Index, No. 2, Minneapolis 1982=100 ..	135.4	107.1	133.4	131.8	118.1	117.0	104.9	92.5	85.3	84.5	82.4	87.4	92.2	88.2	79.8	83.5
Rice:																
Production (crop estimate).....mil. met. tons..	*27,253	*7,007														
Southern States mills:																
Receipts, rough, from producers.....mil. lb.	8,985	12,918	957	997	1,037	631	516	428	558	3,861	1,652	646	850			
Shipments from mills, milled rice.....do	6,722	8,061	656	855	705	749	780	616	504	670	765	598	553			
Stocks, domestic, rough and cleaned (cleaned basis), end of period.....mil. lb.	2,011	2,741	2,056	1,884	1,915	1,618	1,171	889	711	2,574	2,950	2,723	2,741			
Exports.....thous. met. tons..	2,199	*3,024	212	308	206	345	201	270	178	273	279	261	260			
Producer Price Index, medium grain, milled.....1982=100 ..	112.6	107.9	103.9	104.2	104.7	108.9	110.8	111.6	112.1	110.9	110.8	*106.4	106.2	107.1	107.7	107.6
Rye:																
Production (crop estimate).....mil. met. tons..	*2,373	*342														
Producer Price Index, No. 2, Minneapolis.....1982=100 ..	69.1	69.1	79.1	76.2	79.1	77.7	55.7	60.1	59.3	60.8	68.9	67.4	65.9	73.3	64.5	64.8
Wheat:																
Production (crop estimate), total Spring wheat.....do	*249.32	*55,41														
do.....	*6.81	*15,84														
Winter wheat.....do	*242.51	*39,57														
Distribution, quarterly @.....do	71.32	64.04	13.39						14.43		22.48			13.74		
Stocks (domestic), end of period, total.....do	*46.70	*38,58	33.41						*19.10		52.18			38.58		
On farms.....do	*16.87	*15,84	12.60						*7.87		22.64			15.84		
Off farms.....do	*29.83	*22.74	20.81						*11.23		29.54			22.74		
Exports, total, including flour.....do	41.33	*37.87	3.59	3.99	3.28	2.66	2.49	3.79	3.71	4.28	2.50	2.03	2.30			
Wheat only.....mil. bu..	1,469.2	(*)														

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989												1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
FOOD AND KINDRED PRODUCTS; TOBACCO—Continued																			
GRAIN AND GRAIN PRODUCTS—Continued																			
Wheat—Continued																			
Producer Price Indexes:																			
Hard red winter, No. 1, ord. protein (K.C.)																			
1982=100..	90.8	109.1	108.0	114.6	108.3	115.0	111.2	107.3	106.6	105.2	105.6	107.7	109.2	108.6	102.7	98.6			
Hard red spring, No. 1, ord. protein (Minn.)																			
1982=100..	93.1	108.7	108.9	113.4	109.4	114.6	107.5	106.1	106.9	106.1	106.2	105.0	108.6	110.1	104.7	99.7			
Wheat flour:																			
Production:																			
Flour.....thous. sacks (100 lb.)	344,154	343,927	27,109	26,963	27,186	28,607	26,644	26,598	32,334	29,790	31,806	30,487	27,771	27,906	27,954				
Millfeed.....thous. sh. tons..	6,163	6,175	479	480	482	505	480	497	589	533	560	543	486	497	493				
Grindings of wheat.....thous. bu..	769,699	777,506	60,789	60,387	60,659	64,739	59,645	61,268	74,073	68,045	71,895	69,178	62,850	63,393	64,215				
Stocks held by mills, end of period																			
thous. sacks (100 lb.)..	4,800	5,341	4,423	5,253	5,593	5,593	5,593	5,593	5,593	5,593	5,593	5,593	5,593	5,593	5,593				
Exports.....thous. met. tons..	960.80	1,195.53	129.32	134.88	128.48	103.44	17.78	35.74	114.51	177.08	66.25	134.94	71.42						
Producer Price Index	6/88=100..	102.0	110.5	110.0	112.4	109.5	112.0	112.7	112.1	110.7	109.5	108.5	108.7	109.7	109.1	108.8	106.9		
POULTRY AND EGGS																			
Poultry:																			
Slaughter.....mil. lb..	20,705	22,144	1,574	1,830	1,653	1,951	1,959	1,777	2,089	1,862	1,971	1,903	1,879	1,880					
Stocks, cold storage (frozen), end of period,																			
total.....mil. lb..	451	469	455	458	488	552	658	686	768	769	776	749	469	504	513				
Turkeys.....do..	250	236	263	269	299	356	455	497	574	569	572	528	236	267	272				
Price, in Georgia producing area,																			
live broilers.....\$ per lb..	.315	.352	.330	.330	.375	.440	.410	.375	.355	.355	.290	.290	.270	.280	.305	.350			
Eggs:																			
Production on farms.....mil. cases \$..	193.5	186.4	14.3	16.0	15.4	15.8	15.2	15.6	15.6	15.1	15.7	15.4	16.0	15.8	14.3				
Stocks, cold storage, end of period:																			
Shell.....thous. cases \$..	9	12	7	16	18	26	27	12	17	28	6	11	12	22	16				
Frozen.....mil. lb..	20	14	19	15	15	16	15	16	15	14	15	13	14	14	15				
Price, wholesale, large (delivered; Chicago)																			
\$ per doz..	.583	.777	.666	.910	.716	.698	.720	.718	.796	.772	.794	.891	.943	.886	.751	.861			
LIVESTOCK																			
Cattle and calves:																			
Slaughter (federally inspected).....thous. animals..	2,411	2,100	175	194	152	157	161	169	189	173	191	175	167	175	145				
Cattle.....do..	34,048	33,010	2,500	2,744	2,576	2,947	2,951	2,730	2,975	2,706	2,876	2,694	2,600	2,775	2,437				
Prices, wholesale:																			
Beef steers (Omaha).....\$ per 100 lb..	69.58	72.52	72.92	75.81	75.31	74.52	71.71	70.74	71.09	68.44	69.69	72.48	75.21	76.73	76.61	78.15			
Steers, stocker and feeder																			
(Kansas City).....do..	80.50	81.45	82.91	80.98	78.58	78.25	79.08	81.64	84.54	83.56	81.24	82.65	82.30	82.47	82.86	87.50			
Calves, weaners (So. St. Paul).....dollars..	227.67	248.62	225.06	257.50	266.25	260.05	258.44	246.88	263.00	258.75	244.38	242.90	230.00	248.50	255.00				
Hogs:																			
Slaughter (federally inspected).....thous. animals..	85,516	86,328	6,619	7,569	7,200	7,277	6,881	6,131	7,392	7,498	7,823	7,815	7,012	7,407	6,643				
Prices:																			
Wholesale, average, all weights (Sioux City)																			
\$ per 100 lb..	43.25	43.91	41.11	39.88	37.22	42.40	46.24	47.26	47.04	44.58	47.49	47.21	49.65	48.41	49.48	52.56			
Hog-corn price ratio (bu. of corn equal in value to 100 lb. live hog).....	19.9	17.5	15.6	15.1	14.4	16.1	17.9	18.6	20.2	19.1	20.9	20.1	21.2	20.5	20.8	22.2			
Sheep and lambs:																			
Slaughter (federally inspected).....thous. animals..	5,122	5,295	415	505	393	435	423	398	476	440	468	467	457	479	431				
Price, wholesale, lambs, average (Omaha)																			
\$ per 100 lb..	60.71	61.20	66.83	69.50	74.50	78.75	68.56	65.73	63.31	56.67	58.33	55.03	56.38	(1)					
MEATS																			
Total meats (excluding lard):																			
Production.....mil. lb..	39,763	39,418	3,004	3,325	3,131	3,397	3,342	3,048	3,483	3,317	3,524	3,411	3,171	3,350	2,973				
Stocks, cold storage, end of period.....do..	716	735	759	747	764	732	688	652	576	557	538	554	565	560					
Exports (meats and meat preparations)																			
thous. met. tons..	1,081	1,301	91	108	105	110	119	116	117	101	121	122	109						
Imports (meats and meat preparations)																			
do..	1,263	1,110	86	96	91	98	94	91	95	74	87	89	93						
Beef and veal:																			
Production, total.....mil. lb..	23,811	23,319	1,772	1,918	1,783	2,028	2,051	1,915	2,121	1,941	2,072	1,934	1,852	1,959	1,724				
Stocks, cold storage, end of period.....do..	323	256	321	306	282	251	248	255	248	237	225	242	256	265	274				
Exports.....do..	443	568	37	49	45	55	57	53	44	54	48	43							
Imports.....do..	753	682	50	56	53	60	56	59	59	45	54	56	61						
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.)																			
(Central U.S.).....\$ per lb..	1.031	1.078	1.080	1.124	1.138	1.126	1.064	1.049	1.043	1.021	1.031	1.070	1.114	1.133	1.128	1.136			
Lamb and mutton:																			
Production, total.....mil. lb..	329	342	27	34	26	28	26	25	29	27	30	31	32	29					
Stocks, cold storage, end of period.....do..	6	8	6	7	7	8	8	8	8	7	8	8	8	9					
Pork (excluding lard):																			
Production, total.....mil. lb..	15,623	15,757	1,205	1,373	1,322	1,341	1,266	1,108	1,333	1,349	1,421	1,446	1,288	1,359	1,215				
Stocks, cold storage, end of period.....do..	358	256	393	393	432	428	380	343	278	276	279								

Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
FOOD AND KINDRED PRODUCTS; TOBACCO—Cont.																	
MISCELLANEOUS FOOD PRODUCTS—Cont.																	
Sugar:																	
Exports, raw and refined	877,365	*412,044	36,168	27,170	27,337	22,806	33,808	18,350	45,586	50,385	51,657	45,619	28,927				
Imports, raw and refined	1,213	*1,542	112	152	84	126	149	181	226	106	97	119	85				
Producer Price Indexes:																	
Raw (cane)	111.9	115.5	111.9	112.3	112.3	113.8	115.4	118.3	118.3	118.8	118.0	*117.9	117.2	119.3	117.8	119.0	
Refined	108.9	118.3	115.8	116.0	115.8	116.9	117.6	119.6	118.6	120.4	119.2	*120.1	121.5	122.3	121.9	122.5	
Tea, imports	90,143	*85,257	5,966	8,290	7,170	7,193	7,124	7,394	6,790	7,070	7,634	6,964	7,053				
TOBACCO																	
Leaf:																	
Production (crop estimate)	'1,370	'1,414															
Stocks, dealers and manufacturers, end of period	4,020		3,825			3,514			3,637								
Exports, incl. scrap and stems	216,481	*224,382	25,393	22,177	19,356	14,701	11,696	6,990	10,684	17,729	18,025	32,072	19,644				
Imports, incl. scrap and stems	196,429	*180,286	11,507	12,411	19,382	16,202	11,082	20,427	18,418	11,553	15,234	13,351	16,164				
Manufactured products:																	
Consumption (withdrawals):																	
Cigarettes (small):																	
Tax-exempt	132,963		11,702	11,419	9,502	12,800	13,027	11,668	14,395	12,151	12,888	12,966	14,030				
Taxable	543,378		41,936	51,723	44,851	52,858	51,549	26,757	47,155	44,444	48,177	49,863	34,341				
Cigars (large), taxable	2,430		164	209	174	241	246	158	220	208	202	201	178				
Exports, cigarettes	118,499	*41,755	2,187	1,731	9,129	1,248	1,701	772	3,046	2,220	2,672	2,760	5,629				

LEATHER AND PRODUCTS

LEATHER																	
Exports:																	
Upper and lining leather	thous. sq. ft.	215,358															
Producer Price Index, leather	1982=100	167.5	*170.5	169.4	170.2	168.2	166.7	168.0	171.4	171.5	172.5	172.9	*173.0	175.1	178.2	177.7	178.1
LEATHER MANUFACTURES																	
Footwear:																	
Production, total	thous. pairs	235,141	*210,490	18,455	19,590	16,606	18,725	17,506	13,691	19,676	17,405	18,956	17,488	*14,322	17,825		
Shoes, sandals, and play shoes, except athletic	thous. pairs	162,507	(*)	5,241	5,783	(*)	(*)	11,538	9,183	12,696	11,735	12,502	11,521	*10,125	12,103		
Slippers	do	55,181	*57,534	260	281	(*)	(*)	5,135	5,256	3,889	5,863	4,679	5,464	4,562	*2,575	3,813	
Athletic	do	17,453						712	619	1,117	991	990	1,405	1,622	1,909		
Other footwear	do	3,410	*3,680					266	240	342	305	431	510	*254	324		
Exports	do	18,394															
Producer Price Indexes:																	
Men's leather upper, dress and casual	1982=100	121.3	127.5	125.8	126.0	125.1	125.0	125.0	125.3	129.3	131.0	131.0	*131.0	130.7	131.0	132.8	133.7
Women's leather upper	do	112.5	116.2	114.9	114.9	115.3	114.8	114.5	115.3	118.0	118.0	118.0	117.8	118.6	118.5	119.8	120.2
Women's plastic upper	do	107.5	*110.0	110.0	110.0	109.8	110.3	109.3	109.1	110.0	109.2	*110.9	112.5	113.8	114.3	114.3	

LUMBER AND PRODUCTS

LUMBER—ALL TYPES #																	
National Forest Products Association:																	
Production, total	mil. bd. ft.	*49,576		3,311	3,758	3,773	4,025	4,273	3,677								
Hardwoods	do	*11,446		713	687	829	864	799	671								
Softwoods	do	*38,130		2,598	3,071	2,944	3,161	3,474	3,006								
Shipments, total	do	*49,134		3,417	3,877	3,846	4,163	4,420	3,754								
Hardwoods	do	*11,163		743	826	874	937	891	752								
Softwoods	do	*27,971		2,674	3,051	2,972	3,226	3,529	3,002								
Stocks (gross), mill, end of period, total	do																
Hardwoods	do																
Softwoods	do	4,999		4,818	4,837	4,810	4,740	4,746	4,748								
Exports, total sawmill products	do																
Imports, total sawmill products	thous. m ³	33,547	*64,355	5,036	5,868	5,405	5,432	5,301	4,205	6,479	5,146	5,766	5,778	3,913			
SOFTWOODS																	
Douglas fir:																	
Orders, new	mil. bd. ft.	10,031	9,552	607	877	737	741	931	762	800	853	850	688	780	852	766	
Orders, unfilled, end of period	do	636	501	617	659	626	592	583	565	540	583	527	506	501	560	530	
Production	do	10,029	9,620	621	787	759	948	778	806	815	949	754	766	850	779		
Shipments	do	9,943	9,687	684	835	770	775	940	780	825	810	906	709	785	793	796	
Stocks (gross), mill, end of period	do	876	809	779	741	730	748	756	754	735	740	783	828	809	866	849	
Exports, total sawmill products	thous. m ³	2,202	*2,781	196	227	267	186	211	144	245	200	186	241	472			
Sawed timber	do	344	*335	23	28	29	22	24	11	33	28	29	22	36			
Boards, planks, scantlings, etc.	do	1,859	*2,450	173	199	239	163	187	134	213	172	158	220	436			
Producer Price Index, Douglas fir, dressed	1982=100	135.7	151.8	140.7	142.0	154.3	159.9	163.0	167.1	162.8	160.7	156.8	*137.8	138.5	140.4	144.2	146.5

See footnotes at end of tables.

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BUSINESS STATISTICS, 1961-88

Units	Annual		1989										1990				
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
LUMBER AND PRODUCTS—Continued																	
SOFTWOODS—Continued																	
Southern pine:																	
Orders, new..... mil. bd. ft.	12,597		869	974	1,107	1,236	1,176	942									
Orders, unfilled, end of period	834		756	733	775	797	775	715									
Production..... do.....	12,676		945	1,047	1,064	1,123	1,153	982									
Shipments..... do.....	12,600		917	995	1,064	1,213	1,199	1,002									
Stocks (gross), mill and concentration yards, end of period..... mil. bd. ft.	2,072		2,062	2,113	2,114	2,025	1,984	1,962									
Exports, total sawmill products..... cu. meters	1,237,638	1,206,526	109,939	109,762	124,827	92,824	68,080	86,351	126,304	58,860	136,776	86,923	97,206				
Producer Price Index, southern pine, dressed..... 1982=100	112.4	108.0	109.7	107.9	106.1	104.5	108.8	113.1	107.2	105.5	112.0	105.8	105.8	106.8	109.8	111.8	
Western pine:																	
Orders, new..... mil. bd. ft.	11,426	11,143	754	1,035	847	904	1,058	888	984	938	999	854	855	1,057	881		
Orders, unfilled, end of period	537	506	538	591	542	546	581	558	541	533	535	515	506	628	610		
Production..... do.....	11,395	11,229	815	993	884	915	1,023	934	1,017	915	1,042	869	896	982	893		
Shipments..... do.....	11,413	11,174	848	977	896	900	1,023	911	1,001	946	997	874	864	935	899		
Stocks (gross), mill, end of period..... do.....	1,347	1,402	1,303	1,319	1,307	1,322	1,345	1,361	1,330	1,375	1,370	1,402	1,449	1,443			
Producer Price Index, other softwood, dressed..... 1982=100	120.1	126.8	122.2	124.5	128.5	131.7	131.2	130.6	130.0	128.6	127.9	126.0	125.9	126.4	127.9	130.2	
HARDWOOD FLOORING																	
Oak:																	
Orders, unfilled, end of period..... mil. bd. ft.	8.9	9.7	12.2	14.1	15.0	15.1	15.6	12.8	11.9	10.6	10.7	10.3	9.7	13.4	14.8	15.8	
Shipments..... do.....	193.0	206.5	14.5	21.0	16.8	17.5	18.9	14.6	19.1	19.0	16.8	16.6	15.6	16.1	16.1	19.9	
Stocks (gross), mill, end of period..... do.....	10.9	7.6	12.0	10.4	9.8	10.5	11.0	8.9	9.8	8.8	7.8	7.7	7.6	9.0	8.2	6.6	

METALS AND MANUFACTURES

IRON AND STEEL																
Exports:																
Steel mill products..... thous. sh. tons	2,069	4,578	237	606	334	355	403	303	461	364	618	251	386			
Scrap..... do.....	10,098	13,305	768	1,106	785	1,126	1,260	1,101	1,233	754	1,054	988	1,218			
Pig iron..... do.....	71	12	(3)	1	1	1	1	1	1	2	(3)	5				
Imports:																
Steel mill products..... do.....	20,891	17,320	1,336	1,216	1,341	1,472	1,549	1,458	1,531	1,400	1,714	1,491	1,028			
Scrap..... do.....	1,088	1,120	91	78	138	101	114	72	74	70	76	72	106			
Pig iron..... do.....	700	488	36	11	93	55	33	45	40	39	75	23	20			
Iron and Steel Scrap																
Production..... thous. sh. tons	27,445	25,454	2,182	2,324	2,258	2,297	2,176	1,871	2,017	2,099	2,020	1,990	1,983	2,208		
Receipts, net..... do.....	49,613	46,731	4,092	4,360	4,175	4,086	4,019	3,545	3,654	3,634	4,033	3,656	3,325	3,552		
Consumption..... do.....	76,822	73,105	6,189	6,699	6,557	6,526	6,216	5,647	5,844	5,799	6,024	5,653	5,347	5,968		
Stocks, end of period..... do.....	4,554	4,620	4,724	4,736	4,725	4,572	4,623	4,456	4,427	4,450	4,591	4,617	4,620	4,355		
Composite price, No. 1 heavy melting scrap: American Metal Market..... \$ per long ton	108.98	107.30	116.07	112.52	112.20	113.09	111.67	107.33	104.86	102.62	99.58	96.67	97.05	102.74	102.96	
Ore																
Iron ore (operations in all U.S. districts):																
Mine production..... thous. met. tons	57,247	57,872	4,228	4,841	4,426	5,325	5,195	5,357	4,876	4,776	4,703	4,645	4,609	4,555		
Shipments from mines..... do.....	56,694	56,530	1,158	1,817	5,418	6,243	6,496	6,289	6,220	5,437	5,735	5,520	4,078	2,021		
Imports..... do.....	20,126	19,596	1,384	1,249	1,599	2,284	2,176	2,032	1,921	1,520	1,705	1,588	1,325			
U.S. and foreign ores and ore agglomerates:																
Receipts at iron and steel plants..... thous. met. tons	73,216	71,150	3,295	3,903	5,996	7,381	6,850	7,178	7,342	6,699	6,642	6,176	5,580	3,401	2,508	
Consumption at iron and steel plants..... do.....	71,563	73,059	5,981	6,662	6,677	6,230	6,216	6,045	5,737	5,764	6,190	5,506	5,364	5,951	5,385	
Exports (domestic)..... do.....	5,286	5,351	2	3	606	605	780	393	592	715	527	406	378			
Stocks, total, end of period..... do.....	23,490	22,476	23,252	22,685	21,145	21,670	21,544	22,286	22,275	22,588	21,429	21,448	22,476	22,088		
At mines..... do.....	3,296	4,575	9,099	12,123	11,181	10,213	8,949	8,008	6,664	6,004	4,976	4,107	4,575	7,101		
At furnace yards..... do.....	18,004	15,730	12,749	9,991	9,310	10,396	11,002	12,239	13,844	14,780	14,933	15,546	15,730	13,134	10,265	
At U.S. docks..... do.....	2,190	2,171	1,404	571	704	1,061	1,598	2,039	1,767	1,804	1,520	1,795	2,171	1,853	1,425	
Manganese (manganese content), general imports..... do.....	1,128															
Pig Iron and Iron Products																
Pig iron:																
Production (including production of ferroalloys)..... thous. sh. tons	55,745	55,873	4,654	5,112	4,990	4,917	4,707	4,604	4,172	4,403	4,692	4,322	4,202	4,638	4,221	4,681
Consumption..... do.....	59,047	56,335	4,882	5,348	5,063	5,012	4,792	4,392	4,491	4,546	4,372	4,146	4,103	4,354		
Stocks, end of period..... do.....	207	303	281	264	269	278	264	247	305	308	250	287	298			
Castings, gray and ductile iron:																
Shipments, total..... thous. sh. tons	9,247	7,490	623	714	696	743	649	512	639	579	639	565	453			
For sale..... do.....	6,782	5,323	437	452	485	542	468	396	475	426	453	395	324			
Castings, malleable iron:																
Shipments, total..... do.....	348	283	25	30	24	27	25	16	26	25	21	19	17			
For sale..... do.....	184	129	13	14	11	12	11	7	13	12	8	8	7			

See footnotes at end of tables.

Unless otherwise stated in footnotes
below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
METALS AND MANUFACTURES—Continued																	
Steel, Raw and Semifinished																	
Steel (raw):																	
Production.....thous. sh. tons..	99,924	97,480	8,022	8,997	8,738	8,633	8,171	7,955	7,790	7,617	8,175	7,886	7,222	8,241	7,624	8,505	
Rate of capability utilization.....percent..	89.2	84.1	89.8	90.9	92.2	88.1	86.2	80.8	79.2	80.0	83.0	77.4	73.3	83.1	85.1	85.7	
Steel castings:																	
Shipments, total.....thous. sh. tons..	1,209	1,137	87	112	101	111	101	84	101	85	97	85	79				
For sale, total.....do	1,095	1,122	86	110	100	110	100	83	101	84	95	83	78				
Steel Mill Products																	
Steel products, net shipments:																	
Total (all grades).....thous. sh. tons..	'83,840	84,259	6,832	7,824	7,164	7,446	7,331	6,387	7,224	6,779	7,174	6,652	6,053	6,863	6,502		
By product:																	
Semifinished products.....do	'5,975	6,080	507	535	520	541	532	458	505	462	481	466	425	500	452		
Structural shapes (heavy), steel piling.....do	'5,209	5,438	451	494	470	474	459	392	433	457	472	428	363	465	432		
Plates.....do	'7,328	7,293	570	661	629	623	645	601	661	585	620	593	548	680	630		
Rails and accessories.....do	'615	545	49	60	53	59	51	46	39	32	33	35	42	40	45		
Bars and tool steel, total.....do	'14,489	14,510	1,177	1,294	1,205	1,236	1,168	1,109	1,263	1,206	1,247	1,107	1,054	1,213	1,200		
Bars: Hot rolled (including light shapes).....do	'7,834	7,672	626	689	667	678	614	561	632	625	660	562	554	638	668		
Bars: Reinforcing.....do	'5,092	5,342	421	461	407	425	427	442	508	466	465	435	403	444	417		
Bars: Cold finished.....do	1,439	1,429	125	137	125	127	121	101	118	110	115	104	90	127	111		
Pipe and tubing.....do	4,443	4,011	280	362	322	354	370	324	388	333	345	323	304	378	355		
Wire-drawn and/or rolled.....do	1,073	1,005	86	97	95	95	95	80	83	76	80	71	61	81	77		
Tin mill products.....do	4,069	4,116	278	356	323	363	372	328	366	346	345	324	426	259			
Sheets and strip (including electrical), total.....do	40,639	41,261	3,433	3,965	3,544	3,701	3,638	3,047	3,485	3,282	3,551	3,306	2,829	3,247	3,032		
Sheets: Hot rolled.....do	12,589	12,898	1,087	1,265	1,090	1,096	1,083	918	1,093	997	1,182	1,106	976	1,048	958		
Sheets: Cold rolled.....do	13,871	13,854	1,137	1,326	1,192	1,301	1,270	1,066	1,163	1,104	1,120	1,037	884	1,073	1,021		
By market (quarterly):																	
Service centers and distributors.....do	18,980	18,185		4,720			4,817			4,405			4,261	'2,1568	'2,1366		
Construction, incl. maintenance.....do	6,014	6,861		1,595			1,749			1,778			1,683	'2,575	'2,568		
Contractors' products.....do	2,815	2,863		673			740			737			713	'2,228	'198		
Automotive.....do	12,078	11,180		3,235			3,020			2,492			2,433	'2,773	'2,807		
Rail transportation.....do	1,116	1,096		296			306			262			232	'2,115	'281		
Machinery, industrial equip., tools.....do	2,537	2,162		617			575			501			470	'2,209	'2,175		
Containers, packaging, ship, materials.....do	4,423	4,458		1,016			1,139			1,139			1,164	'2,306	'2,311		
Other.....do	'36,011	37,488		9,704			9,635			9,063			8,821	'2,088	'2,997		
Producing steel mills, inventory, end of period:																	
Total.....mil. sh. tons..	13.1	12.9	13.1	13.0	13.4	13.3	13.2	13.6	13.3	13.3	13.3	13.0	12.9	13.1			
Steel in process.....do	7.9	7.8	7.8	7.7	7.9	7.8	7.8	8.0	7.9	7.8	8.0	7.8	7.8	7.9			
Finished steel.....do	5.2	5.1	5.3	5.3	5.5	5.5	5.4	5.6	5.4	5.5	5.3	5.2	5.1	5.2			
Steel service centers (warehouses), inventory, end of period.....mil. sh. tons..	6.5	6.9	6.7	6.8	6.9	7.0	7.1	7.2	7.0	7.0	6.7	6.7	6.9	6.4			
NONFERROUS METALS AND PRODUCTS																	
Aluminum:																	
Production, primary (dom. and foreign ores) thous. met. tons..	3,944	4,030	312	347	334	347	335	346	341	323	328	328	343	344	311		
Recovery from scrap.....do	'2,122	1,931	157	182	174	176	177	161	159	153	160	142	123	145	150		
Imports:																	
Metal and alloys, crude.....do	1,030.6	'923.0	78.6	83.3	92.4	75.5	73.9	71.8	91.9	83.6	65.2	53.9	54.2	84.4			
Plates, sheets, bars, etc.....do	388.5	'240.2	24.4	31.6	30.9	30.4	32.0	27.3	33.0	23.6	25.2	24.2	22.7	29.2			
Exports:																	
Metal and alloys, crude.....do	400.1	'558.0	41.8	40.2	38.3	34.1	44.6	46.2	52.0	46.1	68.8	72.7	80.0	79.0			
Plates, sheets, bars, etc.....do	342.5	'244.1	35.8	43.1	35.7	60.4	37.4	35.1	41.6	34.5	33.0	32.2	27.4	36.7			
Price, U.S. market, 99.7% purity, monthly average.....\$ per lb..	1.1009	.8784	.9958	.9578	.9638	.9780	.8766	.8040	.8137	.7830	.7976	.7581	.7356	.6967	.6554	.7085	
Aluminum products:																	
Shipments:																	
Ingot and mill prod. (net ship.).....mil. lb..	15,453	'15,443	1,222	1,419	1,246	1,343	1,399	1,251	1,386	1,314	1,295	'1,208	'1,084	1,218			
Mill products, total.....do	12,273	'12,359	996	1,184	1,046	1,100	1,116	1,019	1,103	1,014	1,022	'917	'846	973			
Sheet and plate.....do	7,384	'7,797	630	774	657	702	696	641	691	628	613	547	'537	600			
Casting.....do	2,325	2,415	220	234	218	229	206	135	196	193	201	193	159				
Inventories, total (ingot, mill products, and scrap), end of period.....mil. lb..	4,151	'4,043	4,163	4,160	4,246	4,262	4,275	4,474	4,325	4,214	4,184	3,987	'4,043	4,064			
Copper:																	
Production:																	
Mine, recoverable copper.....thous. met. tons..	'1,419.6	'1,498.2	'121.6	'134.3	'125.6	'128.0	'121.8	'122.6	'127.6	'122.5	'125.3	'118.3	'123.2	125.8			
Refined from primary materials.....do	'1,406.0	'1,476.7	'112.6	'124.0	'114.7	'129.2	'128.3	'118.9	'126.4	'120.0	'126.1	'131.3	'132.2	136.2			
Electrolytically refined:																	
From domestic ores @.....do	'1,178.0	'1,164.9	'91.6	'99.2	'89.1	'102.6	'98.4	'92.9	'98.2	'93.5	'99.6	'103.2	'101.4	104.6			
From foreign ores.....do																	
Electrowon.....do	228.0	'311.7	'21.1	'24.7	'25.5	'26.6	'24.9	'26.0	'28.1	'26.5	'26.6	'28.1	'30.8	31.7			
Refined from scrap.....do	'455.3	'476.8	'40.1	'46.0	'39.3	'40.8	'41.1	'36.6	'41.4	'40.6	'41.3	'35.9	'37.1	37.3			
Imports, unmanufactured:																	
Refined, unrefined, scrap (copper cont.).....do	626.1	'458.0	33.0	25.0	35.9	35.9	32.6	28.2	53.4	37.4	45.3	51.8	38.7				
Refined.....do	390.4	'300.1	24.8	18.7	20.9	24.1	25.9	20.9	24.4	28.1	30.5	32.3	16.9				
Exports:																	
Refined and scrap.....do	707.7	'572.5	41.0	'44.0	'40.9	'41.1	'26.7	71.1	'48.1	96.5	40.9	46.9	42.8				
Refined.....do	66.5	'133.8	4.8	5.9	13.5	4.3	6.6	21.4	15.8	23.4	1						

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		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.			
METALS AND MANUFACTURES—Continued																				
NONFERROUS METALS AND PRODUCTS—Continued																				
Copper-base mill and foundry products, shipments (quarterly total):																				
Brass mill products.....	.mil. lb.																			
Copper wire mill products (copper content).....	do																			
Brass and bronze foundry products.....	do																			
Lead:																				
Production:																				
Mine, recoverable lead.....thous. met. tons.	385.0	1,407.7	31.0	34.4	33.2	33.8	36.1	33.2	38.6	34.3	35.1	32.9	30.1	38.6	36.0					
Recovered from scrap (lead cont.).....do	737.0	1,790.3	58.6	67.5	64.1	65.3	66.3	61.6	65.9	64.4	73.5	67.1	66.9	68.7	67.6					
Imports, ore (lead content).....do	256.6	120.8	8.6	7.3	6.5	9.8	10.4	9.0	11.3	9.3	13.4	9.4	8.5	7.9						
Consumption, total.....do	1,230.7	1,228.0	98.3	101.2	99.2	101.3	101.6	95.2	102.7	105.9	114.0	106.2	97.3	104.1	105.1					
Stocks, end of period:																				
Producers', ore, base bullion, and in process (lead content), ABMS.....thous. met. tons.	66.9	73.5	55.2	57.8	54.9	63.6	67.3	73.2	77.8	73.7	83.0	78.6	73.5	67.6	63.9	59.				
Refiners' (primary), refined and antimonial (lead content).....thous. met. tons.	15.4	15.6	33.0	39.1	37.5	29.7	29.0	31.4	27.9	27.5	18.8	14.6	15.6	14.7	18.3					
Consumers' (lead content) ◇.....do	89.8	60.0	68.1	72.1	68.3	66.5	65.0	65.9	63.6	63.7	62.3	58.6	60.0	59.1	57.9					
Scrap (lead-base, purchased), all smelters (gross weight).....thous. met. tons.	19.9	17.4	16.8	17.3	15.3	13.2	14.3	16.0	17.3	18.0	18.5	20.1	17.4	20.2	17.8					
Price, common grade, delivered @ @.....\$ per lb.	3,714	3,985	3,701	3,507	3,502	3,634	3,915	4,029	4,175	4,363	4,363	4,126	3,889	3,981	4,184					
Tin:																				
Imports (for consumption):																				
Ore (tin content).....metric tons ..	2,887	3,216	149													37				
Metal, unwrought, unalloyed.....do	43,493	52,639	2,114	2,839	2,490	2,610	2,372	2,833	4,018	2,734	3,027	3,862	3,281							
Recovery from scrap, total (tin cont.).....do	15,088	7,438	649	686	627	650	621	526	642	594	617	659	490	588						
As metal.....do	1,578		47		47		47													
Consumption, total.....do	145,073	51,600	4,700	4,300	4,500	4,500	4,100	4,000	4,200	4,100	4,300	4,000	3,300	4,100						
Primary.....do	137,008	39,000	3,700	3,300	3,400	3,400	3,100	2,900	3,200	3,000	3,200	3,000	2,300	3,100						
Exports (metal).....do	1,573	3,904	162	204	41	47	98	25	71	94	56	25	38							
Stocks, pig (industrial), end of period.....do	4,943	6,072	3,894	4,320	3,717	4,945	4,912	5,597	5,872	6,241	5,813	5,530	6,072	5,972						
Price, Straits quality (delivered).....\$ per lb.	4,4142	5,2018	4,9165	5,4309	6,4213	6,2118	6,0796	5,6910	5,1789	4,9357	4,7714	4,1880	4,1334	4,0287	3,8040					
Zinc:																				
Mine prod., recoverable zinc.....thous. met. tons..	1244.3	278.2	20.8	22.9	22.4	23.4	24.3	20.8	25.3	23.1	25.1	22.8	20.9	26.9	24.7					
Imports:																				
Ores (zinc content).....do	405.7	41.0	1.1	2.2	1.5	3.1	8.4	.9	4.8	4.6	4.2	2.7	7.1	3.8						
Metal (slab, blocks).....do	740.8	711.6	52.6	60.9	58.1	62.1	70.5	46.0	58.1	50.4	58.8	62.6	56.7	57.4						
Consumption (recoverable zinc content):																				
Ores.....do	2.4	2.4	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2					
Scrap, all types.....do	1253.9	252.7	22.0	22.0	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6					
Slab zinc:																				
Production, total †.....thous. met. tons..	194.4	205.3	16.3	17.6	16.8	17.7	16.1	16.2	18.6	16.8	17.8	16.2	17.4	18.1	16.1	18				
Consumption, fabricators.....do	1,089.0	1,063.0	81.4	96.0	81.6	97.0	82.1	76.1	101.2	81.2	92.0	92.7	78.0	82.4	77.0					
Exports.....do	.5	8.0	.2	.3	.4	.1	.9	.6	1.2	1.0	.8	.2	1.0							
Stocks, end of period:																				
Producers', at smelter (ABMS).....do	5.6	4.7	4.0	3.3	3.8	4.1	3.6	3.9	4.8	3.8	4.0	3.3	4.7	4.1	4.0	4				
Consumers'.....do	64.8	42.7	54.2	50.4	48.3	48.8	50.2	51.8	48.1	47.0	44.0	42.6	42.7	46.9	44.5					
Price, high grade.....\$ per lb.	.6020	.8206	.8770	.9871	.8852	.8464	.8059	.7967	.8132	.8108	.7995	.7592	.7233	.6763	.6475	.737				
MACHINERY AND EQUIPMENT																				
Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly #.....mil. \$..	390.2	394.5		107.2			110.0			99.5					77.8					
Electric processing heating equipment.....do	62.7	84.3		24.1			25.6			24.8					9.9					
Fuel-fired processing heating equip. ....do	165.5	138.1		37.8			41.8			30.0					29.1					
Materials handling equipment, dollar value bookings index ‡.....1982=100 ..	213.4		160.9	221.0	171.5	169.8	180.5													
Industrial supplies, machinery, and equipment: New orders index, seas. adjusted .....1977=100 ..	138.2	153.4	159.0	156.4	158.0	147.3	142.0	141.3	147.1	157.9	164.3	160.0	156.0	169.5						
Industrial suppliers' distribution: Sales index, seas. adjusted .....1977=100 ..	164.0	183.6	175.7	175.6	196.3	193.1	188.2	175.5	197.5	192.8	175.0	189.8	171.6	191.7						
Inflation index, not seas. adj. (tools, material handling equip., valves, fittings, abrasives, fasteners, metal products, etc.) .....1977=100 ..	172.2	182.0	178.3	179.5	180.1	181.0	182.1	182.8	183.1	184.3	184.9	185.8	184.5	186.3						
Fluid power products shipments indexes: Hydraulic products .....1985=100 ..	129	144	141	158	151	150	148	130	147	140	145	141	133	143	138					
Pneumatic products.....do	120	133	128	150	129	148	144	123	141	126	134	129	115	130	127					
Machine tools:																				
Metal cutting type tools: Orders, new (net), total.....mil. \$..	2,707.90	1,976.35	214.95	220.60	152.80	147.90	158.85	133.20	156.25	192.45	144.90	128.90	158.55	141.15	116.30	198.2				
Domestic.....do	2,315.75	1,722.80	191.30	200.20	138.50	138.10	123.05	112.00	120.70	174.50	135.70	108.15	135.20	117.70	100.45	132.4				
Shipments, total.....do	1,574.50	2,358.60	151.25	227.45	184.05	158.40	235.70	175.60	169.90	228.50	183.55	228.60	312.75	162.20	169.50	214.1				
Domestic.....do	1,400.10	2,059.20	133.90	207.25	168.35	145.40	199.95	155.45	147.20	188.75	161.95	201.10	260.40	143.40	143.60	179.5				
Order backlog, end of period.....do	1,805.5	1,423.3	1,933.4	1,926.6	1,895.3	1,884.8	1,808.0	1,765.6	1,751.9	1,715.8	1,677.2	1,577.5	1,423.3	1,402.2	1,349.0	1,333				
Metal forming type tools: Orders, new (net), total.....do	882.95	831.60	67.00	69.90	89.75	57.35	81.85	57.55	70.85	110.15	60.10	55.50	47.75	60.15	78.25	67.6				
Domestic.....do	749.85	719.05	57.05	58.20	76.40	49.85	72.85	43.35	70.45	105.00	47.05	40.05	42.20	41.50	56.70	56.9				
Shipments, total.....do	824.55	837.00	77.55	79.20	65.50	82.35	91.85	62.10	55.90	53.50	68.00	85.10	66.60	64.15	98.50	74.7				
Domestic.....do	702.20	704.15	66.40	67.00	58.80	74.10	70.10	50.55	49.75	44.45	58.80	64.15	57.85	55.65	89.70	66.4				
Order backlog, end of period.....do	385.7	380.3	389.6	380.4	404.6	379.6	369.6	365.0	380.0	436.6	428.8	380.2	380.3	376.3	356.0	348				

See footnotes at end of tables

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Units	Annual		1989												1990		
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
MACHINERY AND EQUIPMENT—Continued																	
Tractors used in construction, shipments, qtrly:																	
Tracklaying (ex. shovel loaders).....	12,117			2,863			3,075				2,623						
units.....	1,167.1			306.0			337.3				270.3						
mil. \$.....																	
Wheel (contractors' off-highway).....	5,110			1,165			1,260				1,035						
units.....	416.1			92.7			103.8				89.4						
Shovel loaders.....	61,938			15,308			16,269				14,106						
units.....	2,092.1			562.1			601.3				504.3						
ELECTRICAL EQUIPMENT																	
Batteries (auto-type replacement), shipments.....	63,487	64,433	4,203	4,754	4,172	4,656	4,982	4,827	6,295	6,357	6,685	6,114	6,714	5,989	3,758		
thous.....																	
Radio sets, production, total market #, thous.	23,623	25,254	1,518	1,752	1,927	1,985	2,140	2,169	2,712	2,454	2,578	2,567	1,563	1,374	1,344		
Television sets (incl. combination models), production, total market #, thous.	20,170	24,859	1,846	2,254	2,018	1,994	2,431	1,461	2,071	2,520	2,233	2,074	2,308	1,661	1,843		
Household major appliances, industry shipments #, thous.	47,070	46,567	3,846	4,364	3,868	4,326	4,389	3,505	3,832	3,971	3,834	3,719	3,502	3,675	3,530	4,286	
Air conditioners (room).....	4,637	5,091	549	850	718	748	718	365	148	170	97	101	275	259	540	822	
Dishwashers.....	3,907	3,668	291	322	275	292	324	257	319	308	338	328	301	308	272	313	
Disposers (food waste).....	4,233	4,363	380	414	335	336	331	285	363	434	426	369	299	362	360	394	
Microwave ovens/ranges.....	10,988	10,598	904	836	824	907	788	761	956	1,075	958	1,036	940	822	676	764	
Ranges.....	3,202	3,048	224	272	226	263	218	276	258	275	291	242	234	225	226		
Refrigerators.....	7,227	7,099	457	561	536	686	785	660	687	627	614	546	494	470	487	602	
Freezers.....	1,349	1,219	388	385	93	111	116	129	144	123	95	84	90	99	88		
Washers.....	6,190	6,252	509	537	457	533	572	437	524	545	582	535	474	611	480	550	
Dryers, including gas.....	4,601	4,574	392	383	323	374	389	305	377	410	432	398	361	461	343	370	
Vacuum cleaners (qtrly).....	10,652	11,373		2,952			2,545				3,224			2,652			
GAS EQUIPMENT (RESIDENTIAL)																	
Furnaces, warm air, shipments.....	2,092	2,162	148	135	132	142	168	186	216	246	251	196	165	156	130		
Ranges, total, shipments.....	2,227	2,167	156	194	163	182	185	149	191	181	200	215	194	185	161	192	
Water heaters (storage), automatic, shipments.....	3,956	4,130	328	375	354	324	345	303	295	309	397	365	398	318	324		
PETROLEUM, COAL, AND PRODUCTS																	
COAL																	
Anthracite:																	
Production.....thous. sh. tons..	3,555	3,519	282	337	273	280	256	197	311	299	373	339	291	307	286	334	
Exports.....thous. met. tons..	817	2,677	11	50	70	82	110	55	14	72	58	85	9				
Producer Price Index .....1982=100 ..	101.2	103.4	103.3	103.5	103.1	103.0	103.0	103.1	102.2	103.2	103.5	104.3	104.6	106.3	106.0	106.0	
Bituminous and lignite:																	
Production.....thous. sh. tons..	946,711	971,218	75,040	88,981	77,233	82,486	78,544	66,269	90,824	84,618	87,657	85,043	72,554	89,883	81,510	91,059	
Consumption, total.....do.....	880,242		73,012	72,550	65,957	68,113	73,233										
Electric power utilities.....do.....	756,459		62,528	61,530	55,827	58,261	63,548	69,609	70,237	62,808	60,454						
Industrial, total.....do.....	117,730		9,874	10,277	9,701	9,575	9,442										
Coke plants (oven and beehive).....do.....	41,866		3,290	3,716	3,609	3,521	3,364										
Residential and commercial.....do.....	6,054		599	443	419	276	243										
Stocks, end of period, total.....do.....	151,446		141,366	142,600	148,228	154,461	152,393										
Electric power utilities.....do.....	139,583		130,641	132,444	138,130	144,417	142,404	128,800	127,794	129,189	135,854						
Industrial, total.....do.....	11,863		10,724	10,155	10,097	10,045	9,990										
Oven-coke plants.....do.....	3,125		3,882	3,511	3,457	3,404	3,850										
Exports excluding lignite.....thous. met. tons..	85,282	90,753	6,106	7,542	8,186	8,701	8,648	5,577	7,351	8,691	8,870	8,776	7,146				
Producer Price Index .....1982=100 ..	95.3	95.4	93.5	93.5	94.1	94.5	94.8	96.1	96.5	96.4	97.0	96.8	97.5	96.0	96.8		
COKE																	
Production:																	
Beehive and oven (byproduct).....thous. sh. tons..	32,405				8,006			8,194			8,197						
Petroleum coke §.....do.....	39,811	39,329	2,931	3,201	3,337	3,406	3,509	3,447	3,255	3,239	3,089	3,212	3,336				
Stocks, end of period:																	
Oven-coke plants, total.....do.....	1,583				1,167			1,264			1,768						
At furnace plants.....do.....	1,420				1,052			1,136			1,601						
At merchant plants.....do.....	163				115			129			162						
Petroleum coke.....do.....	1,558	1,703	1,669	1,655	1,931	2,086	1,813	1,756	1,642	1,724	1,786	1,765	1,703	1,846			
Exports.....thous. met. tons..	1,011	2,043	30	76	60	115	115	100	63	51	196	65	122				
PETROLEUM AND PRODUCTS																	
Crude petroleum:																	
Producer Price Index .....1982=100 ..	46.2	56.3	50.3	53.9	58.9	59.5	58.3	59.9	53.5	56.2	57.6	57.6	59.8	64.4	65.0	60.1	
Gross input to crude oil distillation units.....mil. bbl..	4,921.6	4,947.3	364.3	407.9	393.9	420.4	421.6	432.6	434.7	416.7	419.5	406.6	410.3	422.5			
Refinery operating ratio.....% of capacity..	84	86	83	84	84	86	90	89	89	88	86	86	84	88			
All oils, supply, demand, and stocks:																	
New supply, total ♦.....mil. bbl..	6,301.7	6,280.2	486.4	517.6	524.8	532.0	512.1	540.0	546.5	511.5	594.2	522.5	504.9	566.0			
Production:																	
Crude petroleum.....do.....	2,979.1	2,785.3	219.2	235.9	232.4	242.0	229.8	231.7	235.3	226.9	221.3	226.9	228.5	233.2			
Natural gas plant liquids.....do.....	614.2	584.7	45.9	52.7	51.5	51.9	46.6	50.6	48.4	46.3	47.5	46.6	43.5	49.3			
Imports:																	
Crude and unfinished oils.....do.....	2,021.6	2,267.4	161.1	165.7	186.7	188.5	189.3	204.0	214.8	195.5	204.0	196.6	179.0	182.8			
Refined products.....do.....	686.8	642.7	60.2	63.9	54.2	49.7	46										

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PETROLEUM, COAL, AND PRODUCTS—Continued																		
PETROLEUM AND PRODUCTS—Continued																		
All oils, supply, demand, and stocks—Continued																		
Domestic product demand, total # mil. bbl.	6,325.7	6,293.9	497.4	555.1	496.8	511.1	521.7	508.7	536.5	499.0	530.5	516.7	586.8	526.0				
Gasoline.....do.....	2,694.8	2,683.5	199.1	230.8	215.4	230.7	234.9	227.7	240.2	217.6	225.6	221.5	230.6	207.5				
Kerosene.....do.....	35.2	30.7	3.6	2.6	2.0	1.6	2.0	1.5	1.3	1.3	2.8	3.1	4.8	3.5				
Distillate fuel oil.....do.....	1,142.5	1,151.0	95.5	106.3	89.2	91.7	89.9	80.3	92.1	87.2	96.0	99.5	121.1	98.5				
Residual fuel oil.....do.....	504.3	492.6	47.1	47.6	42.6	34.2	35.5	39.9	34.2	29.1	39.5	37.4	56.0	48.4				
Jet fuel.....do.....	530.2	542.3	42.8	45.8	41.2	41.2	44.6	44.1	45.8	44.8	46.0	45.5	54.2	48.1				
Lubricants.....do.....	56.6	56.4	4.3	5.7	4.6	5.7	5.0	4.0	4.9	4.7	5.1	4.4	3.6	5.0				
Asphalt.....do.....	171.2	165.2	5.6	7.1	10.8	15.5	18.6	21.4	24.9	19.5	19.8	12.0	5.8	6.9				
Liquefied petroleum gases.....do.....	606.1	607.5	57.1	56.2	45.2	42.0	42.5	41.8	44.4	46.9	52.6	49.3	66.0	51.4				
Stocks, end of period, total.....do.....	1,597.2	1,583.1	1,601.6	1,569.5	1,595.9	1,622.4	1,607.7	1,647.9	1,654.4	1,669.6	1,663.4	1,670.3	1,583.1	1,631.6				
Crude petroleum.....do.....	889.9	921.2	896.6	892.5	907.4	915.7	902.8	906.4	916.2	912.2	914.4	930.7	921.2	932.9				
Strategic petroleum reserve.....do.....	559.5	579.9	563.9	566.2	568.0	570.4	571.7	574.4	575.4	577.1	578.3	579.5	580.6					
Unfinished oils, natural gaso-line, etc.....do.....	145.8	152.0	154.8	156.2	158.0	163.0	160.3	157.5	155.7	158.8	162.4	159.7	152.0	152.6				
Refined products.....do.....	561.6	509.9	550.1	520.7	530.5	543.8	544.7	584.0	582.5	598.6	586.6	580.0	509.9	546.1				
Refined petroleum products:																		
Gasoline (incl. aviation):																		
Production.....do.....	2,555.2	2,552.4	186.7	205.7	205.2	215.8	219.6	228.9	222.9	212.9	213.1	212.1	213.9	214.0				
Stocks, end of period.....do.....	192.0	179.2	205.7	191.1	190.6	185.8	180.4	192.2	184.2	188.0	185.9	187.7	179.2	197.6				
Prices, regular grade (excl. aviation):																		
Producer Price Index.....1982=100.....	58.2	67.1	57.4	60.6	74.5	80.1	78.0	74.7	64.7	67.1	67.3	63.6	61.5	69.0	67.1	67.6		
Retail, U.S. city average (BLS):																		
Leaded.....\$ per gal.....	.900	.997	.886	.907	1.047	1.098	1.093	1.075	1.084	1.007	1.001	.975	.961	1.006	1.011	.999		
Unleaded.....do.....	.946	1.022	.926	.940	1.065	1.119	1.114	1.092	1.057	1.029	1.027	.999	.980	1.042	1.037	1.028		
Aviation gasoline:																		
Production.....mil. bbl.....	9.3	9.2	.6	.7	.6	.9	.9	.9	1.0	1.0	.9	.8	.5	.5				
Stocks, end of period.....do.....	2.1	2.1	2.2	2.1	1.8	1.8	2.0	2.0	1.8	1.9	2.2	2.1	2.0					
Kerosene:																		
Production.....do.....	28.8	26.9	2.0	2.4	2.0	1.4	2.1	1.7	1.7	2.4	2.3	2.8	2.7	4.1				
Stocks, end of period.....do.....	7.3	5.1	5.9	5.7	5.8	5.7	5.8	6.0	6.5	7.6	7.5	7.5	6.5					
Producer Price Index (light distillate).....1982=100.....	51.6	57.9	54.3	55.7	58.3	58.3	55.4	54.7	55.5	58.1	60.9	63.8	64.6	76.2	68.3	62.3		
Distillate fuel oil:																		
Production.....mil. bbl.....	1,046.3	1,058.2	78.4	84.1	88.6	85.2	84.3	88.2	90.1	88.5	90.1	92.3	101.3	97.2				
Imports.....do.....	110.4	110.2	9.0	13.6	9.0	9.0	7.0	10.4	7.9	7.3	7.9	8.9	10.0	15.5				
Stocks, end of period.....do.....	123.5	105.6	107.5	96.6	98.4	99.3	99.4	115.4	116.1	122.2	121.4	119.4	105.6	118.0				
Producer Price Index (middle distillate).....1982=100.....	49.5	58.4	54.0	57.3	61.5	57.5	53.3	52.7	53.5	59.3	64.0	64.4	68.1	85.3	59.4	60.4		
Residual fuel oil:																		
Production.....mil. bbl.....	388.7	347.6	26.0	29.0	27.1	28.9	28.5	26.6	27.9	25.6	31.0	32.3	35.3	35.0				
Imports.....do.....	236.9	222.7	24.2	21.8	20.4	16.3	15.4	16.9	14.8	12.6	17.8	16.1	19.0	25.1				
Stocks, end of period.....do.....	44.6	43.8	46.0	42.4	40.2	42.6	44.8	43.0	44.5	49.5	51.4	52.5	43.8	49.7				
Producer Price Index.....1982=100.....	41.1	47.6	43.7	45.0	47.3	49.4	51.2	49.4	48.1	46.8	48.2	52.0	57.4	55.6	55.2			
Jet fuel:																		
Production.....mil. bbl.....	501.3	512.1	39.4	43.3	38.1	38.7	40.5	43.7	44.6	43.3	46.6	45.4	42.0	46.1				
Stocks, end of period.....do.....	43.8	40.9	43.7	44.0	44.2	45.4	44.6	47.4	48.3	48.6	50.4	51.5	40.9	42.8				
Lubricants:																		
Production.....do.....	62.8	59.7	4.6	5.2	4.6	5.3	5.0	5.6	5.3	4.8	4.4	5.0	4.5	4.8				
Stocks, end of period.....do.....	13.3	13.8	14.5	13.9	13.5	13.2	13.0	14.3	14.5	14.2	13.2	13.3	13.6					
Asphalt:																		
Production.....do.....	162.1	155.0	8.2	10.2	10.5	14.0	15.5	17.7	18.3	18.2	14.7	11.4	7.8	7.8				
Stocks, end of period.....do.....	20.8	20.6	29.1	32.6	33.1	32.4	30.6	27.9	21.8	21.9	17.8	18.2	20.6	22.2				
Liquefied petroleum gases:																		
Production, total.....do.....	665.2	652.9	50.2	58.9	58.5	60.3	54.7	57.6	55.4	52.0	52.0	49.0	46.1	52.7				
At gas processing plants (L.P.G.).....do.....	482.6	451.4	36.4	41.6	40.6	40.4	35.6	38.0	36.7	35.0	36.3	35.8	33.3	38.3				
At refineries (L.R.G.).....do.....	182.6	201.5	13.9	17.3	17.9	19.9	19.1	19.6	18.7	17.0	15.7	13.2	12.8	14.4				
Stocks (at plants and refineries).....do.....	97.3	81.5	77.5	75.0	83.8	97.2	105.2	117.7	126.2	118.8	109.5	81.5	76.1					

PULP, PAPER, AND PAPER PRODUCTS

PULPWOOD																		
Receipts.....thous. cords (128 cu.ft.).....	'95,537	'99,279	7,748	8,035	7,858	8,005	8,358	8,476	8,946	8,491	8,876	8,202	7,844	8,741				
Consumption.....do.....	'95,497	'98,414	7,837	8,169	8,040	8,112	8,348	8,548	8,498	8,167	8,331	8,070	7,936	8,553				
Inventories, end of period.....do.....	4,888	5,462	4,701	4,490	4,402	4,320	4,343	4,191	4,415	4,891	5,405	5,581	5,462	5,571				
WASTE PAPER																		
Consumption.....thous. sh. tons.....	'19,021	'19,994	1,498	1,615	1,555	1,624	1,591	1,576	1,726	1,669	1,760	1,674	'					

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PULP, PAPER, AND PAPER PRODUCTS—Continued																			
PAPER AND PAPER PRODUCTS																			
Paper and board:																			
Production (API):																			
Total.....thous. sh. tons..	'76,604	'76,625	5,985	6,638	6,191	6,424	6,326	6,326	6,615	6,284	6,603	6,361	6,130	'6,670	6,070				
Paper.....do.....	38,298	38,183	2,989	3,348	3,042	3,157	3,104	3,067	3,303	3,168	3,373	3,234	3,077	'3,370	3,077				
Paperboard.....do.....	38,306	38,492	2,996	3,290	3,150	3,266	3,222	3,259	3,312	3,116	3,230	3,126	3,053	'3,300	2,995				
Producer Price Indexes:																			
Paperboard.....1982=100 ..	133.2	140.1	138.7	140.4	142.3	142.5	141.0	139.5	140.0	139.7	139.8	139.7	139.6	138.8	138.4	138.5			
Building paper and board.....do.....	113.3	115.7	113.8	114.2	115.1	-115.5	115.8	116.4	116.2	116.3	116.6	117.0	117.0	116.1	115.8	114.9			
Selected types of paper (API):																			
Groundwood paper:																			
Orders, new.....thous. sh. tons..	'1,654	'1,784	127	163	134	154	149	151	168	177	152	129	150	162	154				
Orders, unfilled, end of period ..do.....	208	211	180	204	178	186	199	191	217	238	212	196	211	224	234				
Shipments.....do.....	'1,624	'1,754	133	147	149	151	139	148	153	152	167	153	123	157	145				
Coated papers:																			
Orders, new.....do.....	'7,412	'7,262	561	599	505	613	636	650	659	633	667	552	585	'610	522				
Orders, unfilled, end of period ..do.....	751	822	696	701	647	698	737	824	850	876	861	832	822	786	737				
Shipments.....do.....	7,359	7,194	550	604	544	580	580	572	652	611	653	616	585	'642	569				
Uncoated free sheet:																			
Orders, new.....do.....	'11,298	'11,132	884	1,015	870	864	916	868	1,017	950	995	967	914	'959	966				
Shipments.....do.....	'11,494	'11,232	912	1,021	923	955	902	867	968	901	968	930	864	'994	903				
Unbleached kraft papers:																			
Shipments.....thous. sh. tons..	'2,800	'2,681	235	264	199	206	229	212	227	210	239	241	216	216	190				
Tissue paper, production ..do.....	'5,476	'5,636	437	503	451	474	469	458	484	473	489	474	460	'474	452				
Newsprint:																			
Canada: †																			
Production.....thous. metric tons..	9,840	9,640	769	796	804	830	789	815	837	760	846	788	767	797	747				
Shipments from mills.....do.....	9,740	9,607	721	803	775	842	809	775	811	830	852	816	817	716	718				
Inventory, end of period ..do.....	288	321	420	413	442	430	409	449	475	405	399	371	321	403	432				
United States:																			
Production.....do.....	5,427	5,523	404	469	449	458	452	474	462	469	477	468	483	'502	462				
Shipments from mills.....do.....	5,415	5,515	412	462	442	462	452	472	469	470	478	481	480	497	467				
Inventory, end of period ..do.....	48	56	64	70	78	73	74	67	66	66	53	56	'61	56					
Estimated consumption, all																			
Users .....do.....	'12,244	'12,241	'929	'1,047	'1,051	'1,037	'983	'951	'1,000	'1,033	'1,109	'1,115	'1,029	'968	920				
Publishers' stocks, end of period #																			
thous. metric tons ..	933	749	925	889	850	838	829	843	848	824	793	758	749	'803	841				
Imports.....do.....	7,794	'7,678	569	673	612	673	600	587	714	618	667	628	605						
Producer Price Index, standard newsprint.....1982=100 ..	127.6	122.3	126.0	126.6	126.5	123.2	122.0	121.3	120.7	120.4	119.3	'119.0	117.8	117.9	115.1	115.3			
Paper products:																			
Shipping containers, corrugated and solid fiber shipments.....mil. sq. ft. surf. area..	1,788,044	1,741,720	24,086	'26,919	26,367	26,734	26,391	24,550	27,709	25,354	28,961	25,183	23,131	27,462	24,544	26,667			

RUBBER AND RUBBER PRODUCTS

RUBBER																			
Natural rubber:																			
Consumption.....thous. metric tons..	858.28	889.51	51.14	96.57	68.38	87.86	65.10	82.70	72.23	73.25	64.17	85.35	52.89						
Stocks, end of period ..do.....	61.74	91.14	67.51	77.37	82.18	86.67	86.21	86.16	88.06	83.32	87.74	83.88	91.14						
Imports, incl. latex and guayule.....do.....	858.82	'882.60	52.16	99.09	74.55	87.48	63.78	77.86	67.05	70.42	71.59	79.68	39.63						
U.S. Import Price Index.....1985=100 ..	147.7	110.3		185.1			106.0			99.8			100.3					102.7	
Synthetic rubber:																			
Production.....thous. metric tons ..	2,334.72	2,301.82	181.77	206.20	207.17	189.07	179.59	178.65	186.21	201.66	204.71	198.82	166.68						
Consumption ..do.....	2,016.85	2,116.11	172.98	189.42	194.68	170.69	165.41	167.88	172.60	171.11	181.53	184.53	153.54						
Stocks, end of period ..do.....	279.28	322.03	257.74	294.40	299.60	300.42	303.67	308.66	314.14	323.42	329.62	330.33	322.03						
Exports (Bu. of Census).....do.....	460.01	'579.08	45.66	54.98	41.27	54.39	51.30	43.71	48.21	54.54	54.64	43.59	44.39						
TIRES AND TUBES																			
Pneumatic casings:																			
Production.....thous. ....do.....	'211,351	'212,870	18,102	19,670	19,224	19,090	18,312	14,835	18,288	16,963	18,400	16,323	14,721	18,887					
Shipments, total ..do.....	264,811	264,049	19,613	22,166	22,375	23,022	24,558	19,927	23,955	23,151	23,335	21,924	18,545	19,763					
Original equipment.....do.....	62,932	59,347	5,348	5,569	5,770	5,806	5,130	3,174	4,969	4,947	4,910	4,706	3,532	3,426					
Replacement equipment.....do.....	189,212	188,717	12,886	15,008	15,221	15,896	18,198	15,554	17,488	16,913	17,003	16,011	13,950	14,978					
Exports ..do.....	12,666	15,985	1,377	1,588	1,384	1,320	1,231	1,198	1,497	1,291	1,422	1,206	1,065	1,360					
Stocks, end of period ..do.....	33,191	39,308	37,884	40,552	42,791	43,580	42,695	42,596	41,902	39,852	39,156	38,378	39,308	43,565					
Exports (Bu. of Census).....do.....	16,149	'19,118	1,373	1,692	1,634	1,343	1,295	1,602	2,112	1,566	1,790	1,412	1,396						
Inner tubes:																			
Exports (Bu. of Census).....do.....	1,712	'1,813	122	126	143	201	137	133	181	121	136	96	174						

See footnotes at end of tables.

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	Units	Annual		1989										1990			
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
STONE, CLAY, AND GLASS PRODUCTS																	
PORLTAND CEMENT																	
Shipments, finished cement.....thous. bbl..	'477,958	'474,346	23,133	33,782	39,261	44,585	47,085	43,782	51,782	45,282	49,298	40,234	26,303				
CLAY CONSTRUCTION PRODUCTS																	
Shipments:																	
Brick, unglazed (common and face) mil. standard brick ..	6,930.0	6,746.7	429.9	554.8	569.2	636.6	625.9	587.4	690.2	593.0	634.5	537.1	387.7	'469.7	473.4		
Structural tile, except facing.....thous. sh. tons..	(2)	(2)	4.7	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
Sewer pipe and fittings, vitrified.....do	300.9	253.0	14.3	21.4	24.8	25.8	24.4	22.4	21.4	19.4	22.4	20.6	17.7	'16.4	16.3		
Floor and wall tile and accessories, glazed and unglazed.....mi. sq. ft	470.7	513.7	42.4	46.6	41.5	46.2	46.9	38.8	48.8	42.6	44.5	39.2	37.0	'39.7	40.4		
Producer Price Index, brick and structural clay tile .....12/84=100	110.9	111.8	111.6	112.0	111.9	111.6	111.7	111.8	111.8	112.0	113.2	'113.3	112.2	112.8	114.1	114.8	
GLASS AND GLASS PRODUCTS																	
Flat glass, mfrs' shipments.....thous. \$	1,484,949			418,513			403,583			386,300							
Glass containers:																	
Production.....thous. gross	284,473	280,586	22,352	25,482	28,887	25,784	25,175	24,311	25,837	21,837	25,258	20,963	17,513	'21,859	21,997		
Shipments, total	280,439	279,455	20,936	24,178	24,831	25,561	26,442	28,425	26,010	22,101	23,363	20,688	19,976	'21,917	20,563		
Narrow-neck containers:																	
Food.....do	22,100	22,740	1,668	1,852	1,939	2,334	2,342	2,025	2,394	2,066	1,767	1,837	1,411	'1,596	1,707		
Beverage.....do	63,551	64,436	4,304	5,201	6,114	6,250	6,499	6,040	6,228	5,061	5,242	4,727	4,242	'4,535	4,532		
Beer.....do	86,285	88,575	6,767	7,767	7,940	8,018	8,279	7,775	7,971	6,749	7,029	6,460	7,160	6,554			
Liquor and wine	26,491	25,709	1,883	2,113	2,154	2,391	2,599	2,198	2,222	1,971	2,187	1,964	2,078	'1,999	1,819		
Wide-mouth containers:																	
Food and dairy products.....do	66,675	68,186	5,402	6,351	5,810	5,621	5,885	4,779	6,390	5,481	6,272	5,480	5,080	'5,769	5,084		
Narrow-neck and wide-mouth containers:																	
Medicinal and toilet.....do	13,980	8,731	796	768	752	878	755	555	719	702	777	655	647	'751	804		
Chemical, household, and in- dustrial	1,357	1,078	116	126	122	79	83	53	86	71	89	65	88	107	63		
Stocks, end of period	42,296	42,408	44,078	49,628	44,423	44,862	43,866	44,409	44,186	43,820	44,590	45,243	42,408	41,709	42,889		
GYPSUM AND PRODUCTS																	
Production:																	
Crude gypsum (exc. byproduct).....thous. sh. tons..	'16,390		1,160	1,130	1,100	1,110	1,210	1,310	1,360	1,410	1,460	1,890					
Calcinced.....do	'17,274		1,300	1,570	1,450	1,320	1,430	1,400	1,490	1,420	1,580	1,900					
Imports, crude gypsum	'9,679			758	915	913	778	731	898	820	758						
Sales of gypsum products:																	
Uncalcined.....do	'5,375		380	418	413	431	433	281	477	461	458	430					
Calcinced:																	
Industrial plasters.....do	'150	(4)															
Building plasters, total (incl. Keeme's cement).....do	235		29	31	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)		
Board products, total.....mil. sq. ft	'20,563		1,644	1,874	1,698	1,744	1,773	1,669	1,953	1,722	1,918	1,700					
Lath.....do	21		2	2	2	1	2	1	2	1	1	1					
Veneer base.....do	472		39	42	43	47	40	35	44	39	41	37					
Gypsum sheathing	'311		18	22	22	24	25	22	25	21	26	23					
Regular gypsum board	'13,888		1,010	1,134	997	1,036	1,061	984	1,167	1,039	1,144	1,036					
Type X gypsum board	'4,583		460	542	500	507	520	501	569	499	560	488					
Predecorated wallboard	'132		9	10	9	10	9	9	10	9	10	9					
Cotton mobile home board	'605		51	62	67	62	59	59	73	60	73	52					
Water/moisture resistant board	'550		55	61	58	58	57	57	64	54	63	55					

TEXTILE PRODUCTS

FABRIC																	
Woven fabric, finishing plants:																	
Production (finished fabric).....mil. linear yd																	
Cotton.....do																	
Mannmade fiber and silk fabrics																	
Inventories held at end of period																	
Cotton																	
Mannmade fiber and silk fabrics																	
Backlog of finishing orders																	
Cotton																	
Mannmade fiber and silk fabrics																	
COTTON AND MANUFACTURES																	
Cotton (excluding linters):																	
Production:																	
Ginnings ♂.....thous. running bales	14,985	11,684															
Crop estimate.....thous. net weight bales \$	15,412																
Consumption.....thous. running bales	7,294	7,444	570	'3,751	611	631	'3,781	545	663	'3,829	665	617	'3,653	'605	633	'3,801	
Stocks in the United States, total, end of period #.....thous. running bales	16,062	12,803	13,705	12,349	10,683	9,951	8,580	6,985	17,382	16,195	15,157	13,917	12,803	'11,289	9,894	8,036	
Domestic cotton, total	16,062	12,803	13,705	12,349	10,683	9,951	8,580	6,985	17,382	16,195	15,157	13,917	12,803	'11,289	9,894	8,036	
On farms and in transit	1,957	1,457	1,026	993	707	1,076	1,219	450	11,807	11,147	7,227	2,815	1,457	'1,104	1,153	765	
Public storage and compresses	13,524	10,762	12,048	10,734	9,353	8,229	6,760	5,929	4,975	4,458	7,378	10,558	10,762	'9,524	8,052	6,569	
Consuming establishments	581	584	631	622	623	646	601	606	600	590	552	544	584	'661	689	702	

See footnotes at end of tables.

Unless otherwise stated in footnotes
Below, data through 1988 and
methodological notes are as shown in
BUSINESS STATISTICS, 1961-88

	Units	Annual		1989												1990		
		1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
TEXTILE PRODUCTS—Continued																		
COTTON AND MANUFACTURES—Cont.																		
Cotton (excluding linters)—Continued																		
Exports.....thous. running bales..	5,649	¹ 6,704 ⁵	684	619	610	672	238	850	(¹)	480	466	495	496	650				
Imports.....thous. net-weight bales \$..	55.6	52.8	55.6	58.7	58.3	57.2	59.5	(¹)	60.2	63.9	65.7	65.4	(¹)	61.4	59.8	¹ 60.6	62.4	
Price(farm), American upland ◊.....cents per lb..																		
Price, Strict Low Middling, Grade 41, staple 34 (1½"), average 10 markets.....cents per lb..	57.7		55.4	57.6	61.4	63.7	64.1	67.4	69.9	68.5	69.4	68.3	63.6	62.2	65.0	68.1		
Spindle activity (cotton system spindles):																		
Active spindles, last working day, total.....mil..	11.5	10.7	11.2	11.1	11.1	11.1	11.2	10.8	10.7	10.7	10.7	10.7	10.7	10.6	10.6			
Consuming 100 percent cotton.....do..	4.4	4.3	4.2	4.3	4.3	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	
Spindle hours operated, all fibers, total.....bil..	78.1	80.8	5.9	7.2	5.9	6.0	7.5	6.0	10.8	7.9	5.6	5.8	6.4	5.4	5.6			
Average per working day.....do..	302	294	.293	.296	.300	.299	.301	.313	.317	.279	.293	.272	.254	.272	.278			
Consuming 100 percent cotton ..do..	28.9	27.8	2.2	2.6	2.2	2.3	2.9	1.8	2.1	2.9	2.1	2.2	2.4	2.1	2.2	2.7		
Cotton cloth:																		
Cotton broadwoven goods over 12" in width:																		
Production (qtrly).....mil. sq. yd..	4,632	4,575		1,150			1,193			1,135			1,096					
Orders, unfilled, end of period, compared with average weekly production no. weeks' prod..																		
Inventories, end of period, compared with avg. weekly production.....no. weeks' prod..																		
Ratio of stocks to unfilled orders (at cotton mills), end of period.....																		
Exports, raw cotton equivalent thous. net-weight bales \$..	250.4																	
Imports, raw cotton equivalent.....do..	1,146.8																	
Producer Price Index, gray cotton broadwovens.....1982=100 ..	114.4	110.8	111.3	110.9	110.9	110.5	110.1	109.4	109.8	109.8	110.8	110.9	113.5	112.8	114.1	114.0		
MANMADE FIBERS AND MANUFACTURES																		
Fiber production, qtrly:																		
Acetate filament yarn.....mil. lb..	213.9	217.5		52.7			55.8			56.7								
Rayon staple, including tow.....do..	399.8			100.8			101.2			83.2								
Noncellulosic, except textile glass:																		
Yarns and monofilaments.....do..	4,180.3	4,225.4		1,065.1			1,097.3			1,051.6								
Staple, incl. tow.....do..	4,345.6	4,290.3		1,108.7			1,134.1			1,053.4								
Textile glass fiber ..do..																		
Fiber stocks, producers', end of period:																		
Acetate filament yarn.....mil. lb..	11.4	9.9		11.3			8.9			11.6								
Rayon staple, including tow.....do..	14.0			11.7			15.8			18.1								
Noncellulosic fiber, except textile glass:																		
Yarns and monofilaments.....do..	288.6	364.2		302.0			322.2			351.9								
Staple, incl. tow.....do..	298.4	340.8		311.3			351.0			362.5								
Textile glass fiber ..do..																		
Manmade fiber and silk broadwoven fabrics:																		
Production (qtrly). total.....mil. sq. yd..																		
Filament yarn (100%) fabrics.....do..																		
Chiefly rayon and/or acetate fabrics ..do..																		
Chiefly nylon fabrics ..do..																		
Spun yarn (100%) fabrics.....do..																		
Rayon and/or acetate fab- rics, blends ..do..																		
Polyester blends with cotton.....do..																		
Acetate filament and spun yarn fabrics ..do..																		
Producer Price Index, gray synthetic broadwovens.....1982=100 ..	112.7	114.0	112.0	112.2	112.1	113.1	114.7	115.0	115.0	115.8	115.9	116.8	117.1	117.0	116.7			
Manmade fiber textile trade:																		
Exports, manmade fiber equivalent.....mil. lbs..	684.75																	
Yarn, tops, thread, cloth ..do..	282.19																	
Cloth, woven ..do..	169.31																	
Manufactured prods., apparel, furnishings ..do..	402.56																	
Imports, manmade fiber equivalent.....do..	1,735.70																	
Yarn, tops, thread, cloth ..do..	258.18																	
Cloth, woven ..do..	179.23																	
Manufactured products, apparel, furnishings ..do..	1,477.52																	
Apparel, total ..do..	991.03																	
Knit apparel ..do..	443.03																	
WOOL AND MANUFACTURES																		
Wool consumption, mill (clean basis):																		
Apparel class.....mil. lb..	117.1		11.1	13.7	10.4	8.7	11.9	9.3	9.7	10.8	9.4	9.0	10.9					
Carpet class.....do..	15.6		1.3	1.6	1.6	1.4	1.5	1.2	1.5	1.8	1.3	1.0	1.1					
Wool imports, clean yield.....do..	96.7	106.9	11.3	9.0	13.1	10.3	8.3	10.0	6.9	3.9	10.4	5.1	9.8	7.3	9.2			
Unimproved and other grades not finer than 46% ..do..	24.4	29.9	2.9	3.8	3.2	3.1	3.0	2.0	2.1	1.5	3.2	1.3	1.8	2.8	1.5			
Wool prices, raw, shorn, clean basis, delivered to U.S. mills:																		
Domestic—Graded territory, 64's, staple 2¾" and up.....dollars per lb..	4.38	3.70	4.38	4.10	3.75	3.75	3.65	3.50	3.50	3.50	3.50	3.33	3.00	2.94	2.87	2.87		
Australian, 64's, Type 62, duty-paid.....do..	4.37	4.31	4.84	4.54	4.29	4.14	4.03	4.05	4.10	4.14	4.17	4.17	4.20	4.17	4.04	4.03		
Wool broadwoven goods, exc. felts:																		
Production (qtrly).....mil. sq. yd..	190.5	171.8		47.5			48.9			39.1			36.3					
FLOOR COVERINGS																		
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly.....mil. sq. yds..	1,328.0	1,357.2		1,318.5			1,363.7			1,350.7			1,324.3					
APPAREL																		
Women's, misses', juniors' apparel cuttings:																		
Coats.....thous. units..	18,416																	
Dresses ..do..	160,488																	
Suits (incl. pant suits, jumpsuits) ..do..	8,972																	
Skirts ..do..	96,417																	
Slacks, jeans, dungarees, and jean-cut casual slacks ..do..	276,364																	
Blouses.....thous. dozen..	33,721																	
9,931																		

See footnotes at end of tables.

Units	Annual		1989									1990			
	1988	1989	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TEXTILE PRODUCTS—Continued															
APPAREL—Continued															
Men's apparel cuttings:															
Suits.....	thous. units..	13,413			4,103			3,613			3,013				
Coats (separate), dress and sport.....	do	11,435			4,574			3,991			4,966				
Trousers, slacks, jeans, pants, etc.	do	428,231			110,884			120,868			122,252				
Shirts, dress and sport.....	thous. doz.	85,388			27,348			29,083			29,004				
Hosiery, shipments.....	thous. doz. pairs.	322,124	353,692	29,183	29,277	31,136	25,296	28,485	30,745	28,992	27,930	34,710	30,943	27,492	

TRANSPORTATION EQUIPMENT

AEROSPACE VEHICLES																			
Orders, new (net), total.....	mil. \$..	147,128																	
U.S. Government.....	do	36,850																	
Prime contract.....	do	143,421																	
Sales (net), receipts, or billings, total.....	do	113,548																	
U.S. Government.....	do	68,104																	
Backlog of orders, end of period #.....	do	191,518																	
U.S. Government.....	do	92,394																	
Aircraft (complete) and parts.....	do	87,865																	
Engines (aircraft) and parts.....	do	23,415																	
Missiles, space vehicle systems, engines, propulsion units, and parts.....	mil. \$..	29,078																	
Other related operations (conversions, modifications), products, services.....	mil. \$..	17,895																	
Aircraft (complete):																			
Shipments.....	do	16,019.9	17,524.8	1,016.2	1,597.2	1,364.5	1,394.3	1,613.0	1,414.4	1,792.8	2,331.4	1,835.0	1,080.2	1,761.7	1,122.2	2,644.3			
Exports, commercial.....	do	9,971	13,414	810	1,320	1,241	1,104	1,117	1,378	1,020	1,836	1,322	485	1,161	1,046	2,163			
MOTOR VEHICLES (NEW)																			
Passenger cars:																			
Factory sales (from U.S. plants):																			
Total.....	thous.	7,105			606	654	651	672	612	275	540	576	618	535	453	335	488	(2)	
Domestic.....	do	6,437			544	585	584	618	559	248	499	523	568	482	401	304	434		
Retail sales, total, not seas. adj.....	do	10,639	9,903	754	887	912	973	899	849	977	840	750	686	655	756	728	866		
Domestics \$.....	do	7,539	7,078	554	642	667	710	641	603	685	610	524	474	456	547	534	626		
Imports \$.....	do	3,099	2,825	201	246	245	262	258	245	291	230	226	213	199	209	194	240		
Total, seas. adj. at annual rate.....	mil.	9.9	9.7	10.8	10.3	9.8	10.2	11.4	10.7	8.8	8.5	8.9	10.2	9.5	9.5	9.5	9.5		
Domestics \$.....	do	7.0	6.8	7.6	7.5	7.0	7.5	8.3	7.8	6.1	6.0	7.5	7.5	6.5	7.5	6.8	6.6		
Imports \$.....	do	2.8	2.9	3.2	2.9	2.9	2.8	3.1	2.8	2.7	2.5	2.4	2.7	2.7	2.7	2.9			
Retail inventories, domestics, end of period: \$																			
Not seasonally adjusted.....	thous.	1,601	1,669	1,810	1,838	1,836	1,844	1,845	1,565	1,450	1,439	1,550	1,658	1,669	1,484	1,467	1,479		
Seasonally adjusted.....	do	1,619	1,682	1,667	1,690	1,702	1,709	1,732	1,555	1,578	1,562	1,644	1,691	1,682	1,400	1,322	1,338		
Inventory-retail sales ratio, domestics \$.....	2.6	2.8	3.0	2.7	2.8	*3.0	2.5	2.3	2.4	3.2	3.4	3.1	*2.3	*2.3	2.4				
Exports (BuCensus), total.....	do	765.12	769.75	7174	82.94	80.16	71.37	62.74	39.04	48.34	57.88	68.81	67.31	63.72					
To Canada.....	do	616.18	569.23	55.02	65.69	58.73	52.26	49.67	26.87	39.59	48.08	47.87	45.02	40.30					
Imports (ITC), complete units.....	do	4,450.2	4,042.7	372.6	374.7	356.4	352.8	339.1	298.4	279.0	293.3	352.1	355.8	343.8	264.7				
From Canada, total.....	do	1,191.4	1,151.1	112.4	99.9	102.1	109.5	100.5	63.6	70.6	93.4	103.2	116.0	94.0	71.6				
Registrations \diamond , total new vehicles.....	do	10,480	9,853	730	833	843	885	950	830	880	956	800	666	694	619	657			
Imports, including domestically sponsored.....	do	3,710	3,539	256	283	282	293	324	304	331	354	303	262	265	210	248			
Trucks and buses:																			
Factory sales (from U.S. plants):																			
Total.....	do	4,121		373	401	365	389	383	220	347	316	300	314	289	228	306	(2)		
Domestic.....	do	3,795		343	366	334	361	358	205	328	289	275	290	265	212	281			
Retail sales, domestics:																			
Total, not seasonally adjusted.....	do	4,445.5	4,437.5	397.7	405.2	398.9	421.8	389.4	389.9	410.3	382.5	326.8	321.5	373.0	315.7	390.7			
0-10,000 lbs. GVW.....	do	4,195.1	4,106.4	313.1	375.6	368.6	391.2	359.1	361.7	382.1	357.0	304.1	296.7	349.7	292.9	362.2			
10,001 lbs. GVW and over.....	do	348.7	331.1	24.6	29.5	30.3	30.7	30.3	28.3	25.5	28.8	22.7	24.9	23.3	22.8	27.4			
Total, seasonally adjusted.....	do																		
0-10,000 lbs. GVW.....	do																		
10,001 lbs. GVW and over.....	do																		
Retail inventories, domestics, end of period:																			
Not seasonally adjusted.....	thous.	999.3	1,134.9	1,170.5	1,197.1	1,208.9	1,225.2	1,252.3	1,114.4	1,107.8	1,078.8	1,102.6	1,146.8	1,134.9	1,035.4	1,070.4	1,110.6		
Seasonally adjusted.....	do	1,041.6	1,171.2	1,101.5	1,118.7	1,129.8	1,158.0	1,200.5	1,212.3	1,209.8	1,177.2	1,147.2	1,158.8	1,171.2	1,010.3	1,006.3	1,036.2		
Exports (BuCensus), including separate chassis and bodies.....	do	246.92	211.28	21.60	23.35	18.73	17.69	15.36	10.66	15.64	21.15	17.15	15.01	15.71					
Imports (BuCensus), including separate chassis and bodies.....	do	1,155.66	1,022.17	101.92	103.61	76.34	89.64	83.30	74.85	69.06	70.58	88.20	81.70	79.64					
Registrations \diamond , new vehicles, excluding buses not produced on truck chassis.....	thous.	5,211	5,100	381	428	427	446	477	430	441	493	423	371	388	361	348			
Truck trailers and chassis, complete (excludes detachables), shipments.....	number	186,483	169,989	14,223	16,247	16,395	15,234	15,034	11,427	15,850	13,302	13,378	11,981	12,777	12,910	12,722			
Van type.....	do	131,991	123,954	10,559	11,746	11,854	10,764	11,002	7,950	11,868	9,881	9,697	8,818	9,683	9,667	9,780			
Trailer bodies (detachable), sold separately.....	do	5,223	(*)																
Trailer chassis (detachable), sold separately.....	do	37,729	21,042	1,857	2,180	2,047	2,613	1,016	1,309	1,557	1,527	1,182	782	794	589				
RAILROAD EQUIPMENT																			
Freight cars (new), for domestic use; all railroads and private car lines (excludes rebuilt cars and cars for export):																			
Shipments.....	number	22,524	29,642		7,286			7,838			6,821				7,697				
Equipment manufacturers.....	do	22,524	29,617		7,286			7,838			6,821				7,672				
New orders.....	do	28,371	31,027		11,040		</												

FOOTNOTES FOR PAGES S-1 THROUGH S-32

General Notes for all Pages:

- r Revised.
- p Preliminary.
- e Estimated.
- c Corrected.

Page S-1

† Includes inventory valuation and capital consumption adjustments.
 § Monthly estimates equal the centered three-month average of personal saving as a percentage of the centered three-month moving average of disposable personal income.
 ◊ See note "◊" for p. S-2.

Page S-2

1. Based on data not seasonally adjusted.
 ◊ Effective April 1990 SURVEY, the industrial production index has been revised back to 1977 and has a new base year of 1987. A more detailed explanation of this revision is in the April 1990 *Federal Reserve Bulletin*. Historical data are available from the Industrial Output Section, Mail Stop 82, Division of Research and Statistics, Federal Reserve Board, Washington, DC 20551.
 # Includes data not shown separately.

Page S-3

Includes data for items not shown separately.

Page S-4

1. Based on data not seasonally adjusted.
 # Includes data for items not shown separately.
 § Includes textile mill products, leather and products, paper and allied products, and printing and publishing industries; unfilled orders for other nondurable goods industries are zero.
 ◊ For these industries (food and kindred products, tobacco, apparel and other textile products, petroleum and coal, chemicals and allied products, and rubber and plastics products) sales are considered equal to new orders.

Page S-5

◎ Compiled by Dun & Bradstreet, Inc.
 # Includes data for items not shown separately.
 § Ratio of prices received to prices paid (parity index).
 † See note "†" for p. S-4.
 † In the Feb. and July issues of the SURVEY each year, data for the most recent six to eight years are subject to revise and are available upon request

Page S-6

§ For producer price indexes of individual commodities, see respective commodities in the Industry section beginning p. S-19. All indexes subject to revision four months after original publication.
 # Includes data for items not shown separately.
 † Effective with the Feb. 1990 SURVEY, data have been revised back to 1985 and are available upon request.

Page S-7

1. Computed from cumulative valuation total.
 2. Index as of Apr. 1, 1990: building, 397.3; construction, 437.8.
 3. Beginning Dec. 1988, series has been discontinued by the Bureau of the Census.
 # Includes data for items not shown separately.
 § Data for Mar., June, Aug., and Nov. 1989 are for five weeks; other months four weeks.
 ◊ Effective Feb. 1990 SURVEY, data for seasonally adjusted housing starts have been revised back to 1987. These revisions are available upon request.
 @ Effective Feb. 1990 SURVEY, data for seasonally adjusted manufacturers' shipments of mobile homes have been revised back to 1987.

Page S-8

1. Advance estimate.
 2. Beginning with Feb. 1989 data, associations in conservatorship are excluded.
 ◊ Home mortgage rates (conventional first mortgages) are under money and interest rates on p. S-14.
 § Data include guaranteed direct loans sold.
 # Includes data for items not shown separately.
 @ Data are for closed mortgage loans of thrift institutions insured by the Savings Association Insurance Fund (SAIF)—FSLIC-insured institutions prior to Sept. 1989.

Address requests for data to:

Business Statistics Branch
 Current Business Analysis Division (BE-53)
 Bureau of Economic Analysis
 U.S. Department of Commerce
 Washington, D.C. 20230

† Effective April 1990 SURVEY, wholesale trade data have been revised back to Dec. 1980. Revised data and a summary of changes appear in the report *Revised Monthly Wholesale Trade Sales and Inventories BW89-R*, available from the Bureau of the Census, Washington, DC 20233.

‡ Effective April 1990 SURVEY, retail trade data have been revised. Estimates of retail sales and inventories have been revised back to January 1982. Revised data and a summary of changes appear in the report *Revised Monthly Retail Sales and Inventories BR89-R*, available from the Bureau of the Census, Washington, DC 20233.

Page S-9

1. Advance estimate.
 # Includes data for items not shown separately.
 ◊ Effective with the January 1990 SURVEY, the seasonally adjusted labor force series have been revised back to January 1985. The January 1990 issue of *Employment and Earnings* contains the new seasonal adjustment factors, a description of the current methodology, and revised data for the most recent 13 months or calendar quarters. Revised monthly data for the entire 1985–89 revision period appear in the February 1990 issue of *Employment and Earnings*.

† The participation rate is the percent of the civilian noninstitutional population in the civilian labor force. The employment-population ratio is civilian employment as a percent of the civilian noninstitutional population, 16 years and over.

@ Data include resident armed forces.

‡ See note "‡" for p. S-8.

Page S-10

◊ See note "◊" for p. S-9.

Page S-11

† This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

◊ Production and nonsupervisory workers.

Page S-12

1. This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision. Use the corresponding unadjusted series.

2. The hourly earnings index has been discontinued.

◊ Production and nonsupervisory workers.

† Earnings in 1977 dollars reflect changes in purchasing power since 1977 by dividing by Consumer Price Index. Effective Feb. 1990 SURVEY, this series has been revised back to 1985 to reflect new seasonal factors for the CPI-W. Revised data are available upon request.

§§ Wages as of Apr. 1, 1990: Common, \$18.22; Skilled, \$23.77.

† Excludes farm, household, and Federal workers.

†† See note "†" for p. S-11.

@ Effective with the April 1990 SURVEY, the employment cost index is based on June 1989=100, rather than June 1981=100. Historical data for both June 1989 and June 1981 bases are available from the Bureau of Labor Statistics, Division of Employment Cost Trends, 441 G Street, N.W., Washington, DC 20212.

Page S-13

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

2. Average for Dec.

Includes data for items not shown separately.

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

† Covers 50 States and the District of Columbia. Only regular benefits are included.

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

† Effective Oct. 1989 SURVEY, loans by loan type are provided by the Federal Farm Credit Banks Funding Corporation.

◊ Effective with the April 1990 SURVEY, the reserves of depository institutions have been revised back to 1984 and are available upon request.

Page S-14

1. Data are for fiscal years ending Sept. 30 and include revisions not distributed to the months.
2. Weighted by number of loans.
3. Beginning Feb. 1988, data suspended by the Farm Credit Administration, which is revising the information it collects and amending the reports it distributes.
- § Effective Mar. 1990 SURVEY, data have been revised to reflect new benchmark and seasonal adjustments and are available from the Banking and Money Market Statistics Section of the Division of Monetary Affairs at the Federal Reserve Board, Washington, DC 20551.
- # Includes data for items not shown separately.
- ◊ Excludes loans to commercial banks in the U.S.
- ‡ Rates on the commercial paper placed for firms whose bond rating is Aa or the equivalent.
- † Courtesy of *Metals Week*.
- @ Average effective rate

Page S-15

1. Beginning Jan. 1989, the primary public offering statistics have been discontinued by the Securities and Exchange Commission.
- † Effective Feb. 1990 SURVEY, the money stock measures and components have been revised and are available from the Banking Section of the Division of Research and Statistics at the Federal Reserve Board, Washington, D.C. 20551.
- ‡ Includes ATS and NOW balances at all depository institutions, credit union share draft balances, and demand deposits at thrift institutions.
- ◊ Overnight (and continuing contract) RP's are those issued by commercial banks to the nonbank public, and overnight Eurodollars are those issued by Caribbean branches of member banks to U.S. nonbank customers.
- § Small time deposits are those issued in amounts of less than \$100,000. Large time deposits are those issued in amounts of \$100,000 or more and are net of the holdings of domestic banks, thrift institutions, the U.S. Government, money market mutual funds, and foreign banks and official institutions.
- # Includes data for items not shown separately.

Page S-16

1. The railroad average was discontinued by Moody's on July 13, 1989. Therefore, the July average reflects only eight working days.
- @ See note "4" for p. S-19 regarding the new commodity classification systems introduced Jan. 1989. Data may not equal the sum of the geographic regions, or commodity groups and principal commodities, because the revisions to the totals are not reflected in the component items.
- § Number of issues represents number currently used; the change in number does not affect the continuity of the series.
- † For bonds due or callable in 10 years or more.
- # Includes data for items not shown separately.
- ‡ Effective with the Mar. 1990 SURVEY, seas. adj. exports and imports have been revised back to Jan. 1988, and are available upon request.

Page S-17

1. Beginning with Jan. 1989 data, undocumented exports to Canada are now included, resulting in a break with Dec. 1988 data.
2. Beginning Jan. 1989, buses are excluded from "Motor vehicles and parts" and included in "Other manufactured goods," resulting in a break with Dec. 1988 data.
- @ See note "2" for p. S-16.
- † See note "†" for p. S-16.
- # Includes data not shown separately.
- ◊ Data include undocumented exports to Canada, which are based on official Canadian import totals.

Page S-18

1. Reported annual total; quarterly or monthly revisions are not available.
2. For month shown.
3. Beginning Aug. 1989, the export and import indexes have been discontinued by the Census Bureau.
- # Includes data for items not shown separately.
- § Total revenues, expenses, and income for all groups of carriers also reflect nonscheduled service.
- † The threshold for Class I railroad status is adjusted annually by the Interstate Commerce Commission to compensate for inflation.
- ◊ Average daily rent per room occupied, not scheduled rates.
- ## Data represent entries to a national park for recreational use of the park, its services, conveniences, and/or facilities.
- † Before extraordinary and prior period items.
- @ Changes in these unit value indexes may reflect changes in quality or product mix as well as price changes.
- †† Effective with the Dec. 1989 SURVEY, data for 1981-88 have been revised and are available upon request.
- ‡‡ Effective with the Mar. 1990 SURVEY, data for 1985-89 have been revised and are available upon request.

Page S-19

1. Reported annual total; monthly or quarterly revisions are not available.
2. Less than 500 metric tons.
3. Figure suppressed because it did not meet Census publication standards.
4. Beginning with 1989 data, merchandise trade data are based upon two new commodity classification systems; the International Harmonized System and, Revision 3 of the Standard International Trade Classification and, as a result, data may not be directly comparable to 1988 and earlier years.
- # Includes data for items not shown separately.
- § Data are reported on the basis of 100 percent content of the specified material unless otherwise indicated.
- † Effective with the Jan. 1990 SURVEY, revisions for 1987-88 are available upon request.

Page S-20

1. Reported annual total; monthly or quarterly revisions are not available.
2. Quarterly data are no longer available.
3. See note 4 for p. S-19.
- § Data are not wholly comparable from year to year because of changes from one classification to another.
- @ Includes less than 500 electric generation customers not shown separately.
- † Effective with the Jan. 1990 SURVEY, revisions for 1987-88 are available upon request.
- ◊ Effective with the Dec. 1989 SURVEY, revisions for 1987-88 are available upon request.

Page S-21

1. Previous year's crop. New crop is not reported until Sept. (crop year: Sept. 1-Aug. 31).
2. Crop estimate for the year.
3. Stocks as of June 1.
4. Stocks as of June 1 and represents previous year's crop; new crop not reported until June (beginning of new crop year).
5. Series has been discontinued.
6. Stock estimates are available once a year as June 1 stocks and shown here in the May column and (as previous year's crop) in the annual column. See also note 13 for this page.
7. Stocks as of Dec. 1.
8. See note 4 for p. S-19.
- § Excludes pearl barley.
- @ Quarterly data represent the 3-month periods Dec.-Feb., Mar.-May, June-Aug., and Sept.-Nov. Annual data represent Dec.-Nov.
- † Coverage for 21 selected States, representing approximately 85 percent of U.S. production.

Page S-22

1. Series has been discontinued.
2. See note 4 for p. S-19.
- § Cases of 30 dozen.

Page S-23

1. Crop estimate for the year.
2. Reported annual total; revisions not distributed to the months.
3. Data suppressed because they did not meet Census publication standards.
4. See note 4 for p. S-19.
- # Totals include data for items not shown separately.

Page S-24

1. Reported annual total; monthly revisions are not available.
2. See note 4 for p. S-19.
3. Less than 500 tons.

Page S-25

1. Reported annual total; monthly revisions are not available.
2. For month shown.
3. Effective with Jan. 1989, import data are for consumption; earlier periods of data are general imports. See also note 4 for p. S-19 regarding the introduction of new classification systems.
- @ Includes foreign ores.
- § Source: *Metals Week*.

Page S-26

1. Reported annual total; monthly revisions are not available.
2. Less than 50 tons.
3. See note 3 for p. S-25.
- ◊ Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap.
- † Source for monthly data: American Bureau of Metal Statistics. Source for annual data: Bureau of Mines.
- # Includes data not shown separately.
- † Includes bookings (new orders) for automatic guided vehicles, automated storage and retrieval systems, below hook lifters, cranes, hoists, monorails, racks, shelving, casters and floor trucks, and conveyors.
- @@ Price represents North American Mean.

Page S-27

1. Annual total includes revisions not distributed to the months.
2. See note 4 for p. S-19.
- # Includes data for items not shown separately.
- § Includes nonmarketable catalyst coke.
- ◊ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately.
- † March, June, September and December are five-week months. All others consist of four weeks.

Page S-28

1. Reported annual total; revisions not allocated to the months.
2. See note 4 for p. S-19.
- # Includes data for items not shown separately.

Page S-29

1. Reported annual total; revisions not allocated to the months.
2. See note 4 for p. S-19.
- ◊ Source: American Paper Institute. Total U.S. estimated consumption by all newspaper users. See also note "†" for this page.
- # Compiled by the American Newspaper Publishers Association.
- † Effective with the March 1990 Survey, Canadian newsprint statistics have been revised back to Jan. 1982 to exclude supercalendered and some soft-nip calendered paper that was originally classified as newsprint and is now classified as uncoated groundwood papers. This revision also affects estimated consumption. Revised data are available upon request.

Page S-30

1. Reported annual total; revisions not allocated to the months.
2. Data are being withheld to avoid disclosing data from individual firms.
3. Data cover five weeks; other months, four weeks.

4. Beginning Jan. 1989, sales of industrial plasters are included with building plasters.
5. Jan. 1, 1990 estimate of the 1989 crop.
- # Includes data for items not shown separately.
- ◊ Cumulative ginnings to the end of month indicated.
- § Bales of 480 lbs.

Page S-31

1. Less than 500 bales.
2. Annual total includes revisions not distributed to the months.
3. Average for crop year; Aug. 1-Jul. 31.
4. For five weeks; other months four weeks.
5. See note 4 for p. S-19.
- ◊ Based on 480-lb. bales, preliminary price reflects sales as of the 15th; revised price reflects total quantity purchased and dollars paid for the entire month (revised price includes discounts and premiums).
- § Bales of 480 lbs..

Page S-32

1. Annual total includes revisions not distributed to the months.
2. Production of new vehicles (thous. of units) for Mar. 1990: *passenger cars*, 637; *trucks and buses*, 390.
3. Data are reported on an annual basis only.
4. See note 4 for p. S-19.
5. Beginning Jan. 1989, shipments of trailer bodies are included with trailer chassis to avoid disclosure of data from individual firms.
- # Total includes backlog for nonrelated products and services and basic research.
- ◊ Domestic cars comprise all cars assembled in the U.S. and cars assembled in Canada and imported to the U.S. under the provisions of the Automotive Products Trade Act of 1965. Imports comprise all other cars.
- Courtesy of R.L. Polk & Co.; republication prohibited. Because data for some states are not available, month-to-month comparisons are not strictly valid.
- † Excludes railroad-owned private refrigerator cars and private line cars.

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