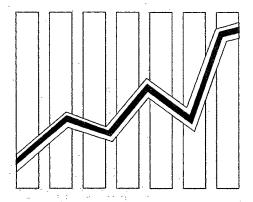
SURVEY of CURRENT BUSINESS



IN THIS ISSUE . . .

- Alternative Measures of Change in Real Output and Prices
- Economic Theory and BEA's Alternative Quantity and Price Indexes

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



SURVEY of CURRENT BUSINESS

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Note.—This issue of the Survey went to the printer on May 8, 1992. It incorporates data from the following monthly BEA news releases:

Gross Domestic Product (Apr. 28),
Personal Income and Outlays (Apr. 29), and
Composite Indexes of Leading, Coincident, and Lagging
Indicators (Apr. 30).

THE BUSINESS SITUATION

This article was prepared by Daniel Larkins, Larry R. Moran, and Ralph W. Morris. ACCORDING TO advance estimates of the national income and product accounts (NIPA'S), real gross domestic product (GDP) increased 2.0 percent in the first quarter of 1992 after increasing 0.4 percent in the fourth quarter of 1991 (chart 1).

Real gross domestic purchases increased 1.7 percent in the first quarter after decreasing 0.4 percent in the fourth, and real final sales to domestic purchasers increased 4.5 percent after decreasing 1.0 percent. The difference between the increase in final sales to domestic purchasers and the increase in gross domestic purchases reflected a sizable decrease in inventory investment (that is, change in business inventories) in the first quarter. Roughly four-fifths of the first-quarter increase in final sales to domestic purchasers was accounted for by personal consumption expenditures.

The fixed-weighted price index for gross domestic purchases increased 2.7 percent in the first quarter after increasing 2.2 percent in the fourth. Most of the step-up was accounted for by a pay raise for Federal military and civilian personnel.

Motor vehicles.—Real motor vehicle output increased 8.1 percent in the first quarter after falling 8.8 percent in the fourth; trucks accounted for most of the increase. Real final sales of motor vehicles jumped 12.6 percent after no change; a sharp increase in car sales accounted for the jump. Because the increase in output was smaller than that in final sales, inventory investment decreased. (Auto and truck output, sales, and

Looking Ahead...

• Foreign Direct Investment in the United States. The results of projects to link detailed Census Bureau and Bureau of Labor Statistics establishment, or plant, level data with BEA data for foreign-owned U.S. business enterprises will be available this summer. The linked data will make it possible to analyze the contribution of foreign-owned companies to the U.S. economy at a more detailed level by industry and by State.

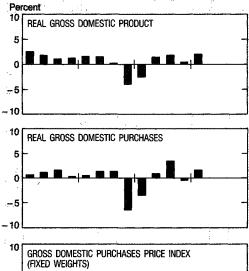
inventories are shown in tabless 8.3-8.6 of the "Selected NIPA Tables.")

In terms of units, domestic car production declined to 5.3 million units (seasonally adjusted annual rate) in the first quarter after declining to 5.6 million in the fourth. Sales increased modestly. Sales of imported cars increased to 2.3 million from 2.1 million, but sales of domestic cars edged down to 6.0 million from 6.1 million. Production and sales in the past four quarters have been lower than in any four consecutive quarters since 1982–83.

Most of the difference between the sharp increase in the NIPA measure of car sales and the much smaller increase in unit car sales is ex-

CHART 1

Selected Measures: Change From Preceding Quarter





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

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Note.—Quarterly estimates in the national income and product accounts are expressed at seasonally adjusted annual rates, and quarterly changes are differences between these rates. Quarter-to-quarter percent changes are annualized. Real, or constant-dollar, estimates are expressed in 1987 dollars. The advance gdp 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 (2), 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: Federal outlays (2), and State and local construction put in place (2);

GDP 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).

plained by an increase in the consumer share of unit sales (to 58.9 percent in the first quarter from 56.3 percent in the fourth). Because the average expenditure per car by consumers in recent years has been more than \$1,500 above that by business, an increase in the consumer share results in an increase in total expenditures. In the third quarter of 1991, the consumer share fell to a record low of 51.5 percent, primarily reflecting manufacturers' aggressive fleet-marketing programs; in the fourth and first quarters, these programs were cut back, and the consumer share increased sharply.

A first-quarter pickup in consumer car sales was consistent with a 3.0-percent increase—the largest in 2 years—in real disposable personal income after small increases in the third and fourth quarters. However, other factors that underlie consumer spending remained weak. The unemployment rate rose to 7.2 percent, the highest rate since 1986, and the Index of Consumer Sentiment (prepared by the University of Michigan's Survey Research Center) slid further.

Factors specific to the motor vehicle industry also were mixed. Interest rates on loans for new cars were lower in the first quarter than in the fourth, but manufacturers' sales-incentive programs were modest in comparison with those offered most of last year.

Domestic car inventories edged down at the end of the first quarter, the sixth consecutive quarter of decline. The publication of the unit inventory level and the inventory-sales ratio that are usually included in this article has been temporarily suspended to correct inconsistencies in the source data; BEA hopes to begin publishing these estimates again in July. A different measure that provides information on inventories is "days' supply," that is, the number of days that would be required to liquidate inventories at the

current rate of sales. As reported in Ward's Automotive Reports, days' supply at the end of the first quarter fell to 63—close to the industry's historical target of about 60—from 73 at the end of the fourth quarter (not seasonally adjusted).

Prices

The fixed-weighted price index for gross domestic purchases increased 2.7 percent in the first quarter after increasing 2.2 percent in the fourth (table 1). Most of the first-quarter step-up was accounted for by a 4.2-percent pay raise for Federal military and civilian personnel. (Increases in Federal employee compensation are treated in the NIPA's as an increase in the price of employee services purchased by the Federal Government.)

Table 1.—Price Indexes (Fixed Weights): Change From Preceding Quarter

[Percent change at annual rates; based on seasonally adjusted index numbers (1987 = 100)]

		1991		1992
	11	(II	IV	-
Gross domestic product	3.3	2.6	2.1	3.1
Less: Exports of goods and services	4 -7.7	-2.4 -2.0	3.0 3.6	0 -2.6
Equals: Gross domestic purchases	2.4	2.5	2.2	2.7
Less: Change in business inventories				
Equals: Final sales to domestic purchasers	2.4	2.5	2.2	2.7
Personal consumption expenditures Food Energy Other personal consumption expenditures Nonresidential structures Producers' durable equipment Residential investment Government purchases	2.9 4.5 -12.1 3.8 1.9 0 2.5 1.6	2.8 7 -3.3 4.0 2.4 .7 3.6 2.0	2.9 -1.0 1.7	3.9 -1.2 1.7
Addenda: Merchandise imports Petroleum and products Other merchandise	-8.9 -47.4 -3.1	-1.4 -1.1 -1.2	4.0 21.9 2.4	-3.2 -46.8 2.8

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 7.2.

Prices of gross domestic purchases less food and energy, which may be viewed as a measure of the underlying inflation rate in the U.S. economy, increased 3.3 percent, up from a 2.4-percent increase (chart 2).

Prices of personal consumption expenditures (PCE) increased 3.1 percent in the first quarter after increasing 2.8 percent in the fourth. Prices of the services components of PCE (except electricity and gas) increased more in the first quarter than in the fourth, as did prices of food, of clothing and shoes, and of furniture and household equipment. Prices of the energy components of PCE decreased in the first quarter after increasing in the fourth. Prices of motor vehicles and parts increased less in the first quarter than in the fourth.

Prices of both residential and nonresidential structures decreased a little more in the first quarter than in the fourth. Prices of nonresidential producers' durable equipment increased 1.7 percent in both the first and the fourth quarters.

Reflecting the Federal pay raise, prices of government purchases increased 3.6 percent after increasing 2.3 percent; prices paid by the Federal Government increased 6.8 percent after increasing 3.7 percent. Prices paid by State and local governments increased 1.1 percent, about the same as in the fourth quarter.

The price index for GDP, which measures the prices paid for goods and services produced in the United States, increased 3.1 percent in the first quarter after increasing 2.1 percent in the fourth. This index differs from the price index

Gross Domestic Purchases
Prices (Fixed Weights):
Change From Preceding Quarter
Percent

Total Less Food and Energy

Less Food and Energy

Note:—Percent change at an annual rate from preceding quarter:
based on seasonally adjusted index numbers (1987=100)

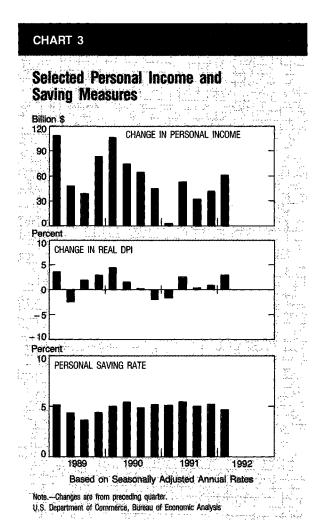
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for gross domestic purchases by including prices of exports and excluding prices of imports. Prices of exports were unchanged in the first quarter after increasing in the fourth, and prices of imports decreased, mostly due to a large drop in petroleum prices.

Personal income

Real disposable personal income (DPI) increased 3.0 percent in the first quarter after increasing 0.9 percent in the fourth (chart 3). The acceleration reflected a pickup in current-dollar disposable personal income, a downswing in personal tax and nontax payments, and a slowdown in the implicit price deflator for PCE.

In current dollars, personal income increased \$60.8 billion in the first quarter after increasing \$42.0 billion in the fourth (table 2). The step-up was accounted for by transfer payments, which increased \$41.9 billion after increasing \$21.7 billion. The first-quarter increase in transfer



payments was boosted by the following special factors:

- Cost-of-living adjustments to the benefits paid under social security and under several other Federal employee retirement and income support programs.
- An increase in unemployment insurance benefits resulting from the emergency unemployment compensation program, which provided for an additional 13 to 20 weeks of benefits to individuals who had exhausted their regular unemployment benefits.
- A speedup of life insurance dividend payments to veterans (these payments are usually spread evenly through the year).
- An increase in Earned Income Tax Credit payments resulting from the expansion of the basic credit rate.

Wage and salary disbursements increased \$23.7 billion in the first quarter, \$6.8 billion more than in the fourth. Government wages and salaries boosted by the pay raise for Federal civilian and military personnel—accounted for most of the acceleration.

Proprietors' income increased \$11.1 billion in the first quarter after increasing \$9.5 billion in the fourth. Farm proprietors' income increased \$0.9 billion after increasing \$4.1 billion; the slowdown was more than accounted for by a downswing in Federal farm subsidy payments. Subsidy payments decreased \$0.4 billion after jumping \$8.4 billion in the fourth quarter, when Conservation Reserve payments and deficiency payments increased strongly. (Conservation Reserve payments compensate land owners who devote their land to conservation uses under a long-term commitment; deficiency payments are made when the market price of a crop is, or is projected to be, below the Federal target price.) Farm proprietors' income excluding subsidies increased \$1.2 billion after decreasing for two quarters; the turnabout largely reflected higher farm prices.

Nonfarm proprietors' income increased more in the first quarter than in the fourth, reflecting pickups in retail trade and services and a turnaround in real estate.

Among the remaining components of personal income, personal interest income decreased \$17.6 billion after decreasing \$11.0 billion; the decreases

Table 2.—Personal Income and Its Disposition [Billions of dollars; seasonally adjusted at annual rates]

	Level	Cha	nge fron qua		ling		Level	Cha	nge fron qua		ing
	1992: 1		1991		1992		1992: 1		1991		1992
		11	III	IV	_			II .	111	IV	
Wage and salary disbursements Commodity-producing industries Manufacturing	2,863.0 738.1 559.7	29.7 1.8 3.0	21.8 7.1 7.6	16.9 1.8 4.4	23.7 -6.0 -4.6	Addenda: Special factors in personal income:				_	
Other Distributive industries Service industries	178.4 648.3 924.0	-1.2 6.9 16.5	5 2.0 11.4	-2.6 1 12.8	-1.4 4.4 16.8	In wages and salaries: Federal Government and Postal Service pay adjustments		.1	1.0	5	4.6
Government and government enterprises	552.6	4.7	1.3	2.4	8.4	In farm proprietors' income: Agricultural subsidy payments		.7	-7.4	8.4	4
Other labor income	301.1	4.3	4.3	4.2	4.1	In rental income of persons with CCAdi:					
Proprietors' income with IVA and CCAdj Farm	403.1 37.0 366.2	15.8 6.8 9.0	2.5 -7.6 10.1	9.5 4.1 5.4	11.1 .9 10.3	Uninsured losses due to Oakland, California, fire		0	0	-2.1	2.1
Rental income of persons with CCAdj Personal dividend income	-10.7 129.4	.2 -1.3	-2.5 1.3	1.1 .7	2.4 0	In transfer payments to persons: Social security retroactive payments Cost-of-living increases in Federal		.3	0	.9	5
Personal interest income	688.1	-8.3	-5.1	-11.0	-17.6	transfer payments Emergency Unemployment		0	0	1.4	12.9
Transfer payments to persons	827.3	14.3	12.2	21.7	41.9	Compensation payments Veteran's Life Insurance dividends		0	0	3.1 0	9.9 1.5
Less: Personal contributions for social insurance	245.1	1.6	2.3	1.1	4.7	Earned Income Credit payments Japanese-American World War II internee payments		0 1	0	0 1.8	2.8 1.7
Personal income	4,956.1	53.1	32.2	42.0	60.8	In personal contributions for social		,		1.0	-,.,
Less: Personal tax and nontax payments	617.0	-3.5	1.5	3.3	-1.4	insurance: Social security rate and base changes and increase in premium					
Equals: Disposable personal income	4,339.1	56.5	30.7	38.6	62.3	for supplementary medical insurance		0	0	0	2.8
Less: Personal outlays	4,133.6	40.3	47.0	27.8	80.1	In personal tax and nontax payments: March 1992 change in withholding					
Equals: Personal saving	205.6	16.2	-16.3	10.9	-17.8	tables		0	0	0	-8.3

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

CCAdi Capital consumption adjustment

reflected lower interest rates. Rental income of persons increased \$2.4 billion in the first quarter after increasing \$1.1 billion in the fourth; the fourth-quarter increase had been held down by \$2.1 billion in uninsured losses that resulted from the brush fire in Oakland, California, in October. Reduced mortgage interest payments, which reflect the effects of lower interest rates and are deducted in measuring rental income, were offset by increased payments for points and related fees. In the NIPA's, these costs are deducted when a mortgage is refinanced even when they are added to the mortgage principal.

Personal contributions for social insurance, which are subtracted in deriving the personal income total, increased \$4.7 billion in the first quarter after increasing \$1.1 billion in the fourth. The first-quarter increase was largely due to the following special factors:

- An increase in the social security taxable wage base for employees from \$53,400 to \$55,500,
- Increases in the social security taxable earning base for the self-employed,
- An increase in the medicare taxable wage base for employees from \$125,000 to \$130,200, and
- An increase in the monthly premium for supplementary medical insurance.

Personal tax and nontax payments decreased \$1.4 billion in the first quarter after increasing \$3.3 billion in the fourth. A reduction in personal income tax withholding that was implemented by executive action in March reduced first-quarter payments by \$8.3 billion at an annual rate.

In the first quarter, personal outlays—mainly PCE—increased substantially more than current-dollar DPI; thus, personal saving decreased \$17.8 billion. The personal saving rate fell 0.5 percentage point to 4.7 percent.

Corporate Profits and Property Income in 1991

Profits from current production—profits before tax plus inventory valuation adjustment (IVA) and capital consumption adjustment (CCAdj)—decreased \$12.2 billion in 1991 after decreasing \$32.7 billion in 1990 (table 3). At \$306.8 billion, profits in 1991 were 15.9 percent below their peak in 1988.

Profits of domestic nonfinancial corporations decreased \$19.1 billion after decreasing \$36.7 billion. Both decreases reflected drops in unit profits that resulted from increases in costs that were larger than those in prices. Unit costs increased 3.4 percent in 1991 and 4.9 percent in 1990; in contrast, unit prices increased 2.5 percent in 1991 and 3.3 percent in 1990.

Profits of domestic financial corporations increased \$1.0 billion after decreasing \$2.4 billion.

Profits from the rest of the world increased \$5.9 billion after increasing \$6.3 billion. Much of the change in both years reflected drops in profits earned by U.S. affiliates of foreign corporations, which are subtracted in calculating rest-of-theworld profits.

Cash flow from current production, a profits-related measure of internally generated funds available to corporations for investment, increased \$12.8 billion in 1991 after decreasing \$20.9 billion in 1990. As a percentage of nonresidential fixed investment, cash flow was 77.8 percent in 1991, up from 70.8 percent in 1990.

Current-production measures of industry profits are not available because estimates of the CCAdj by industry do not exist; profits before tax (PBT) with IVA is the best available measure of industry profits. For domestic nonfinancial industries, this measure fell \$10.6 billion in 1991

Table 3.—Corporate Profits

	Level	Cha	nge
	1991	1990	1991
	Billio	ons of dol	ars
Profits from current production Domestic Financial Nonfinancial Rest of the world IVA CCAdj Profits before tax Profits bater tax Profits by industry: Profits before tax with IVA Domestic Financial Nonfinancial Manufacturing Trade Transportation and public utilities Other Rest of the world Receipts (inflows) Payments (outflows)	306.8 240.7 35.5 205.2 66.1 3.1 -8.7 312.4 124.5 187.9 315.5 249.5 41.7 207.7 81.7 45.8 45.8 45.8 45.8 45.8	-32.7 -39.0 -2.4 -36.7 -36.3 -33.9 -12.2 -2.7 -9.6 -15.1 -4 -15.6 -17.9 -3.0 -5.8 6.3 -3.9	-12.2 -18.1 1.0 -19.1 5.9 -19.9 -10.8 -9.1 -2.7 -8.5 2.1 -10.6 6.0 1.4.0 5.9 -1.1 -7.0
		Dollars	
Unit prices, costs, and profits of domestic nonfinancial corporations: Unit price	1.135 .763 .295 .076	.035 .037 .013 –.013	.028 .018 .015 –.007

NOTE.—Levels of these and other profits series are found in tables 1.14, 1.16, 6.16C, and 7.15 of the "Selected NIPA Tables."

IVA Inventory valuation adjustment CCAdi Capital consumption adjustment

after falling \$15.6 billion in 1990. In both years, the drop was more than accounted for by manufacturing industries. Within manufacturing, decreases were widespread; motor vehicle manufacturers posted the largest decreases, and food manufacturers posted the largest increases.

Related measures.—PBT is more closely related to the measure on which corporate income taxes are based than is profits from current production.¹ PBT decreased \$19.9 billion in 1991 after decreasing \$12.2 billion in 1990. The difference between the decrease in PBT and that in profits from current production in 1991 reflected an increase in the IVA that more than offset a decrease in the CCAdj.

The IVA is an estimate, with the sign reversed, of the inventory profits that are included in PBT. Inventory profits decreased \$17.3 billion in 1991 after decreasing \$3.3 billion in 1990. The decreases reflected a slowing in the rate of increase of prices of inventoried goods held by corporations using non-LIFO inventory methods. For

example, the increase in the Producer Price Index, a major source of information on inventory prices, slowed to 0.2 percent in 1991 from 3.7 percent in 1990.

The ccadj is the difference between the predominantly tax-based depreciation measure that

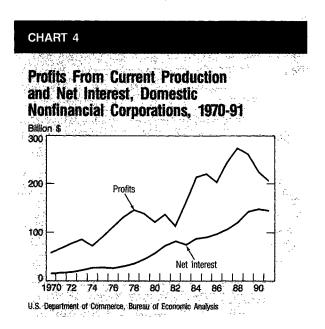


Table 4.—Property Income and Related Series for Domestic Nonfinancial Corporations, 1959–91
[Billions of dollars]

			Property income				
Year	Total	Prof	its from current produc	tion	Not interest	Domestic income	Net reproducible as- sets 1
	iolai	Total	Profits tax liability	Profits after tax	(5) (6) 21.9 3.1 2 20.8 3.5 22.3 21.3 4.0 22.5 21.3 4.0 22.5 21.3 4.0 3.5 22.6 31.0 4.8 36.1 5.3 22.6 36.1 5.3 22.6 36.1 5.3 43.1 6.1 33.6 45.4 7.4 43.9 8.8 33.6 42.4 10.1 34.9 13.2 44.9 27.9 13.2 44.9 27.9 12.2 4.0 27.9 12.2 4.0 27.9 13.2 4.0 28.9 17.1 44.0 37.2 18.1 44.0 43.4 22.5 66.0 28.7 77.5 58.5 27.5 77.5 58.5 28.5 5 11.4 58.6 28.8 3 11.8 58.8 3.1 1.8 58.8 3.		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1959	45.8 43.4 44.7 52.7 58.6 65.4 76.4 82.3 80.5 86.1 106.0 98.9 120.2 139.0 162.6 182.4 178.9 208.9 194.0 236.6 302.2	42.6 40.0 40.8 48.2 53.8 60.0 70.3 74.9 71.8 76.0 71.3 57.1 67.2 77.0 83.6 70.6 91.5 111.5 132.0 146.1 138.1 120.7 136.1 146.1 137.1 138.1 120.7	20.7 19.2 19.5 20.6 22.3 22.0 27.2 29.5 33.6 33.3 27.2 29.9 33.8 40.2 41.5 53.0 59.9 67.0 63.9 67.0 63.9 67.0 63.9 67.0	21.9 20.8 21.3 27.5 31.0 36.1 43.1 45.4 43.9 42.4 37.9 29.9 37.2 43.2 43.4 28.4 50.0 58.5	3.1 3.5 4.0 4.5 4.8 6.1 7.4 8.8 10.1 13.2 17.1 18.1 19.2 22.5 28.7 27.5 36.3 45.1 58.2 76.7 76.7	217.2 224.6 230.1 252.8 269.7 292.0 322.8 356.2 372.8 443.3 452.8 487.3 543.2 612.0 655.7 700.6 795.7 904.2 1,033.3 1,148.7 1,234.3 1,376.3 1,376.3 1,766.6	392.0 406.9 417.7 431.0 448.6 471.0 503.4 551.0 603.9 660.4 729.3 800.2 871.0 955.2 1,076.2 1,273.1 1,468.0 1,612.9 1,779.3 2,000.4 2,283.1 2,606.0 2,238.1 3,180.3 3,300.2 3,435.8
1986	302.0 350.0 396.0 403.0 372.8 350.5	203.8 244.2 274.4 261.0 224.3 205.2	75.6 93.5 101.7 99.2 96.1 84.1	128.2 150.8 172.6 161.8 128.2 121.1		1,889.9 2,026.1 2,210.3 2,325.9 2,396.1 2,403.3	3,744.1 3,889.6 4,101.4 4,314.6 4,486.8 4,599.7

Structures, equipment, and inventories, valued at current replacement cost. Data are averages of end-of-year values for adjacent years.

ment. Profits after tax is also shown with inventory valuation adjustment and capital consumption adjustment. Current data on most series are shown in table 1.16 of the "Selected NIPA Tables." The value of structures and equipment through 1990 are from the January 1992 SURVEY OF CURRENT BUSINESS, pages 121 and 125; structures and equipment for 1991 and all data on inventories are unpublished BEA estimates.

^{1.} For detail on the major differences between PBT and the measure on which corporate income taxes are based, see table 8.22 in the "Selected NIPA Tables," in the January 1992 SURVEY.

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 adjust-

underlies PBT, on the one hand, and BEA's estimate of economic depreciation, on the other. The CCAdj decreased \$9.5 billion in 1991 after decreasing \$23.9 billion in 1990. The decreases in the CCAdj in recent years reflected the longer service lives that the Tax Reform Act of 1986 (TRA) mandated for calculating tax-based depreciation. As assets subject to the TRA replaced assets with shorter tax service lives in the stock of depreciable assets, the CCAdj decreased. Most of the assets in the stock of depreciable assets are now subject to the TRA, and the downtrend in the CCAdj appears to be reversing itself.

Corporate property income

Corporate property income consists of net interest payments as well as profits from current production. For domestic nonfinancial corporations, net interest payments decreased \$3.2 billion in 1991 after increasing \$6.5 billion in 1990.

Chart 4 and table 4 provide a perspective on the recent movements in both types of property income. (The chart and table reflect the results of the comprehensive NIPA revision released in December 1991.) From 1970 to 1991, both types trended up, but the upward trend in net interest—an average annual rate of increase of 10.7 percent—was stronger than that in profits—an average annual rate of increase of 6.3 percent. As a result, the share of net interest in property income rose from 23.0 percent in 1970 to 41.4 percent in 1991. It is also worth noting that profits was more sensitive to the business cycle than net interest was: Profits decreased markedly in the recession years of 1974, 1980, 1982, as well as in 1989—91; in contrast, net interest increased in each of these years except 1991.

Perspective can also be gained by examining property income in relation to the net reproducible assets and the domestic income of domestic nonfinancial corporations. Net reproducible assets consist of fixed capital stock and inventories, both measured at current replacement cost. Domestic income is property income plus compensation of employees.

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

Table 5.—Selected Ratios, Domestic Nonfinancial Corporations, 1959–91

				•	•				
			Rate of return			Shai	e of domestic inc	come	
			Property income				Property income		A
Year		Profits	from current pro	duction			Profits from		Average prod- uct of capital
	Total	Total	Profits tax li- ability	Profits after tax	Net interest	Total	otal current produc- Net interest tion		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1959		10.9	5.3	5.6	0.8	21.1	19.6	1.4	0.555
1960		9.8	4.7	5.1	9	19.3	17.8	1.5	.554
1961		9.8	4.7	5.1	.9	19.4	17.7	1.7	.552 .587
1962		11.2	4.8	6.4	1.1	20.8	19.1	1.8	.587
1963		12.0	5.1	6.9	1.1	21.5	19.9	1.8	.609
1964	. 13.9	12.7	5.1	7.7	1.1	22.4	20.3	1.8	.621
1965		14.0	5.4	8.6	1.2	23.7	21.8	1.9	.641
1966	. 14.9	13.6	5.4	8.2	1.3	23.1	21.0	2.1	.645
1967		11.9	4.6	7.3	1.5	21.6	19.2	2.4	.616
1968		11.5	5.1	6.4	1.5	21.0	18.6	2.5	.619
1969		9.8	4.6	5.2	1.8	18.7	16.1	3.0	.620
1970		7.1	3.4	3.7	2.1	16.4	12.6	3.8 3.7	.567
1971		7.7	3.4	4.3	2.1	17.5	13.8		.560 .571
1972		8.1	3.5	4.5	2.0	17.7	14.2	3.5 3.7	
1973	70	7.8	3.7	4.0	2.1	17.3 15.1	13.7 10.8	3.7 4.3	.572 .517
1974		5.5	3.3	2.2	2.2			4.3	.317 .477
1975		6.2	2.8	3.4	2.0	17.2	13.1		
1976		6.9	3.3	3.6	1.7	17.5	14.0	3.4 3.4	.491 .506
1977	1	7.4	3.4	4.1	1.7	18.0 17.7	14.6 14.1	3.4	.506 .514
1978	1 00	7.3	3.4	3.9	1.8			3.9	.503
1979		6.0	3.0	3.0	2.0 2.2	15.9	12.0		.503 .476
1980		4.6	2.6	2.1		14.5	9.8 9.9	4.7 5.2	.467
1981		4.7	2.2	2.5	2.4	15.2	7.9	5.2	.442
1982		3.5	1.5	2.1	2.6 2.3	13.8		5.9 5.1	.462
1983		4.8	1.8	3.0	2.3 2.6	15.6 17.6	10.6 12.5	5.1 5.1	.500
1984		6.2	2.1	4.1					.509
1985		6.1	1.9	4.2	2.5	17.1	12.2 10.8	5.0 5.2	.509
1986		5.4	2.0 2.4	3.4	2.6 2.7	16.7 17.3	10.8	5.2	.485 .520
1987		6.3		3.9	3.0			5.2 5.2	.542 .542
1988		6.7	2.5	4.2 3.7	3.0 3.3	17.9 17.3	12.4 11.2	5.2 6.1	.542 .538
1989	9.3	6.0	2.3 2.1		3.3 3.3	15.6	9.4	6.2	.532
1990		5.0	1.8	2.9 2.6	3.2	14.6	8.5	6.0	.532
1991	. 7.6	4.5	1.8	2.6	3.2	14.0	0.5	0.0	.521

Source: Table 4.

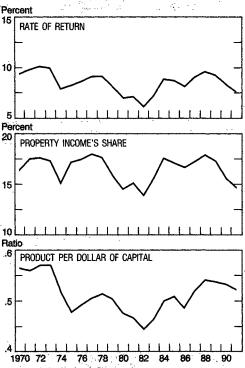
ment, and inventories) valued at current replacement cost. Columns 6-8 are percentages of domestic income. Column 9 is calculated as the ratio of column 1 to column 6.

NOTE.--Columns 1-5 are percentages of the stock of net reproducible assets (structures, equip-

yield, on "capital." A rate of return calculated in this way is an estimate of the profitability of new investment (assuming that the mix of new investment is the same as that of net re-

CHART 5

Selected Ratios, Domestic Nonfinancial Corporations, 1970-91



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

producible assets). The use of property income, rather than just profits, as the numerator of this ratio reflects the assumption that a corporation's decision to invest in plant, equipment, and inventories depends on its estimate of the 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.²

The ratio of property income to domestic income is property income's share of domestic income—that is, the portion 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.)

The three ratios are plotted for 1970–91 in chart 5 and are reported, along with related ratios, for 1959–91 in table 5. In 1991, property income's rate of return (column 1) and its share of domestic income (column 6) fell to the lowest levels since 1983 and 1982, respectively. Lower profits were primarily responsible for the decreases.

^{2.} Rates of return can be calculated in many other ways; several are discussed in some detail in the April 1989 "Business Situation."

NATIONAL INCOME AND PRODUCT ACCOUNTS

Selected NIPA Tables

New estimates in this issue: First quarter 1992, advance.

The selected set of national income and product accounts (NIPA) tables shown in this section presents quarterly estimates, which are updated monthly. (In most tables, the annual estimates are also shown.) Alternative quantity and price measures and a few series for tables 1.10 and 1.16 are not yet available; leaders are shown for these parts.

The tables shown are available on the day of the gross domestic product (GDP) news release on printouts and diskettes on a subscription basis or from the Commerce Department's Economic Bulletin Board. Most shown in this section are available, beginning with 1959, on diskette or magnetic tape. For order information, write to the National Income and Wealth Division (BE-54), Bureau of Economic Analysis, Washington, DC 20230, or call (202) 523–0669.

Note.—This section of the Survey is prepared by the National Income and Wealth Division and the Government Division.

Table 1.1.—Gross Domestic Product

[Billions of dollars]

Seasonally adjusted at annual rates 1990 1991 1990 1991 1992 I۷ Ш I۷ 1 **Gross domestic** product .. 5,513.8 5,672.6 5.557.5 5,589.0 5.652.6 5.709.2 5,739.7 5.809.3 Personal consumption expenditures 3,742.6 3,889.1 3,812.0 3,827.7 3,868.5 3,916.4 3,943.7 4,023.5 Durable goods 465.9 451.9 440.7 440.0 468.3 Nondurable goods Services 2.059.0 2,191.9 2,113.6 2,140.7 2,175.6 2,206.1 2,284.5 2,245.2 Gross private domestic 802.6 726.7 750.9 709.3 708.8 740.9 747.9 712.4 742.0 539.0 745.0 535.3 Fixed investment 802.7 587.0 Nonresidential 560.0 554.6 546.8 550.1 585.2 174.6 184.0 180.0 169.0 165.2 Structures 198.7 191.2 Producers' durable equipment 388.3 375.5 394.0 375.9 377.8 373.8 Residential 195. 202.2 188.4 191.2 197.7 203.0 209.8 Change in business inventories Nonfarm ... -2.0 -15.0 --28.9 --7.6 -35.0-34.0-3.2 12.1 -29.5 -3.2 2.0 Net exports of goods and -22.7services -74.4 -30.7-76.6-36.8-17.2-37.3 -31.4 589.8 613 6 550.4 591.3 572 6 565.9 597.0 612.5 Exports 622.0 649.2 602.7 607.0 Imports Government purchases ... ,042.9 ,087.5 ,071.2 ,088.8 .092.5 ,089.1 1,079.5 ,096.1 Federal 445. 451.5 452. 441.8 315.0 National defense 313.4 323.5 320.6 332.3 328.4 123.3 322.3 311.0 119.2 122.6 Nondefense 113.9 126.8

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

Table 1.2.—Gross Domestic Product in Constant Dollars

	(B	illions of	1987 do	lars]				
				Seasonal	y adjusto	ed at ann	nual rates	3
	1990	1991	1990		19	91		1992
			IV	1	11	111	IV	1
Gross domestic product	4,884.9	4,848.8	4,855.1	4,824.0	4,840.7	4,862.7	4,868.0	4,891.9
Personal consumption expenditures	3,262.6	3,259.0	3,251.8	3,241.1	3,252.4	3,271.2	3,271.1	3,313.8
Durable goods Nondurable goods Services	438.9 1,050.8 1,773.0		1,044.7	410.8 1,043.9 1,786.3	1,046.2	1,046.1	1,035.8	
Gross private domestic investment	744.5	673.7	696.6	657.0	656.3	686.5	694.9	666.1
Fixed investment	744.2 548.8 177.9	687.6 512.4 154.0	727.8 544.5 170.4	689.8 519.1 163.3	686.8 514.8 158.9	686.5 510.0 148.4		692.2 503.7 142.2
equipmentResidential	370.8 195.5		374.0 183.3		355.8 172.0			361.5 188.5
inventories	.2 -1.5 1.7	-13.9 -13.9 0		-32.8 -31.1 -1.7	-30.4 -30.8 .4			-26.1 26.0 1
Net exports of goods and services	-51.3	-20.9	-31.2	-18.6	-12.3	-31.1	-21.3	-17.8
Exports	505.7 557.0	537.8 558.7	522.5 553.7	512.5 531.1	535.7 548.0	545.2 576.3		559.4 577.1
Government purchases	929.1	937.1	937.9	944.5	944.3	936.1	923.3	929.8
Federal National defense Nondefense State and local	380.9 281.3 99.6 548.2	384.9 281.4 103.5 552.2	382.6 282.0 100.6 555.3	289.4 102.3	392.7 287.0 105.7 551.7	104.1	102.0	372.8 267.6 105.2 557.1

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

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

			5	Seasonall	y adjuste	ed at ann	nual rates	
	1990	1991	1990		19	91		1992
			IV	ı	11	111	IV	1
Gross domestic product	5,513.8	5,672.6	5,557.5	5,589.0	5,652.6	5,709.2	5,739.7	5,809.3
Final sales of domestic product	5,513.8	5,691.1	5,594.0	5,628.2	5,689.6	5,712.8	5,733.8	5,842.0
inventories	0	-18.5	~36.5	-39.2	-37.1	-3.6	6.0	-32.7
Goods ¹	2,167.6	2,193.2	2,158.0	2,169.4	2,186.1	2,210.5	2,206.8	2,218.4
Final sales Change in business	2,167.6	2,211.7	,) '
inventories'	0	-18.5	-36.5	-39.2	-37.1	-3.6	6.0	-32.7
Durable goods Final sales Change in business	927.7 934.6			873.0 916.4				
inventories	-7.0	-25.1	-29.4	-43.5	-33.5	-9.2	-14.5	23.7
Nondurable goods Final sales Change in business		1,291.9 1,285.2		1,296.4 1,292.1				
inventories	6.9	6.7	-7.1	4.3	-3.6	5.6	20.4	9.0
Services 1	2,834.0	3,012.9	2,905.5	2,951.7	2,999.0	3,035.1	3,065.7	3,118.1
Structures	512.2	466.5	494.0	467.9	467.4	463.5	467.3	472.9

^{1.} Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal

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

[Billions of dollars]

Gross domestic product	5,513.8	5,672.6	5,557.5	5,589.0	5,652.6	5,709.2	5,739.7	5,809.3
Less: Exports of goods and services	550.4	591.3	572.6	565.9	589.8	597.0	612.5	613.6
services	624.8	622.0	649.2	602.7	607.0	634.3	643.8	636.3
Equals: Gross domestic purchases 1	5,588.1	5,703.3	5,634.0	5,625.8	5,669.8	5,746.5	5,771.1	5,832.0
Less: Change in business inventories	0	-18.5	-36.5	-39.2	-37.1	-3.6	6.0	32.7
Equals: Final sales to domestic purchasers 2	5,588.2	5,721.8	5,670.6	5,665.0	5,706.8	5,750.1	5,765.1	5,864.7

Table 1.7.—Gross Domestic Product by Sector (Billions of dollars)

Gross domestic product	5,513.8	5,672.6	5,557.5	5,589.0	5,652.6	5,709.2	5,739.7	5,809.3
Business	4,699.4	4,803.3	4,722.3	4,734.7	4,786.8	4,835.0	4,856.8	4,909.8
Nonfarm		4,230.9 472.9	79.8	4,175.7 464.3	4,217.6 469.7 83.1	4,256.0 474.1 82.9	4,274.3 483.7 79.2	4,323.5 485.9 80.9
Households and institutions	225.1	246.4	233.3	237.5	243.7	249.9	254.3	259.3
Private households Nonprofit institutions	9.1 216.1	9.5 236.8		9.2 228.3				
General government	589.2	622.9	601.9	616.8	622.0	624.3	628.6	640.2
FederalState and local	179.4 409.8		181.0 420.9	189.4 427.4	188.7 433.2	188.4 435.9		
Addendum: Gross domestic business product less housing	4,245.1							

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

[Billions of 1987 dollars]

··· · · · · · · · · · · · · · · · · ·	ļ <u>-</u>	– .					usal satas	
				Seasonall	y adjuste	eo at ann	uai rates	<u> </u>
	1990	1991	1990		19	91		1992
			IV	_	=	=	IV	-
Gross domestic product	4,884.9	4,848.8	4,855.1	4,824.0	4,840.7	4,862.7	4,868.0	4,891.9
Final sales of domestic product	4,884.7	4,862.7	4,886.3	4,856.8	4,871.2	4,862.6	4,860.3	4,918.0
inventories	.2	~13.9	-31.2	-32.8	-30.4	.1	7.6	-26.1
Goods ¹	1,958.0	1,929.0	1,928.6	1,917.0	1,922.0	1,940.5	1,936.4	1,939.5
Final sales Change in business	1,957.8	1,942.9	1,959.8	1,949.8	1,952.4	1,940.4	1,928.8	1,965.6
inventories	.2	-13.9	-31.2	32.8	-30.4	.1	7.6	-26.1
Durable goods Final sales Change in business	886.2 892.9			827.0 866.4				
inventories	-6.7	-22.9	-27.3	-39.4	-30.5	-8.4	-13.4	-21.3
Nondurable goods Final sales Change in business	1,071.8 1,065.0			1,090.0 1,083.4				
inventories	6.9	9.0	-3.9	6.6	.1	8.4	21.1	-4.8
Services 1	2,464.8	2,504.6	2,481.8	2,487.6	2,502.7	2,511.8	2,516.2	2,529.6
Structures	462.0	415.3	444.6	419.4	416.1	410.4	415.3	422.8

^{1.} Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal

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

Gross domestic product	4,884.9	4,848.8	4,855.1	4,824.0	4,840.7	4,862.7	4,868.0	4,891.9
Less: Exports of goods and services	505.7	537.8	522.5	512.5	535.7	545.2	558.0	559.4
services	557.0	558.7	553.7	531.1	548.0	576.3	579.3	577.1
Equals: Gross domestic purchases 1	4,936.2	4,869.7	4,886.3	4,842.6	4,853.1	4,893.8	4,889.3	4,909.7
Less: Change in business inventories	.2	~13.9	-31.2	-32.8	-30.4	.1	7.6	-26.1
Equals: Final sales to domestic purchasers 2	4,936.0	4,883.6	4,917.5	4,875.4	4,883.5	4,893.7	4,881.7	4,935.8

Table 1.8.—Gross Domestic Product by Sector in Constant Dollars [Billions of 1987 dollars]

								
Gross domestic product	4,884.9	4,848.8	4,855.1	4,824.0	4,840.7	4,862.7	4,868.0	4,891.9
Business	4,180.4	4,134.7	4,145.1	4,111.4	4,126.4	4,148.6	4,152.4	4,175.0
Nonfarm		73.2	3,678.3 392.9 72.0	3,631.2 393.4 71.1	3,645.9 394.2 72.1	3,660.4 395.2 74.1	3,664.0 396.3 75.4	3,684.9 397.2 76.2
Households and institutions	195.7	202.1	197.9	198.8	201.1	203.1	205.4	207.5
Private households Nonprofit institutions	8.6 187.1							8.7 198.8
General government	508.8	512.0	512.1	513.9	513.2	511.0	510.2	509.4
FederalState and local	155.7 353.1	155.1 356.9						
Addendum: Gross domestic business product less housing	3,785.8							

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

Purchases by U.S. residents of goods and services wherever produced.
 Final sales to U.S. residents of goods and services wherever produced.
 NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

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

Purchases by U.S. residents of goods and services wherever produced.
 Final sales to U.S. residents of goods and services wherever produced.
 NOTE.—Percent changes from preceding period for selected items in this table are shown in table 8.1.

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

				Seasonal	ly adjust	ed at ann	nual rate	\$
	1990	1991	1990		19	91		1992
		ĺ	IV	Ī	11	181	IV	ı
Gross domestic product	5,513.8	5,672.6	5,557.5	5,589.0	5,652.6	5,709.2	5,739.7	5,809.3
Plus: Receipts of factor income from the rest of the world ¹	147.7	135.0	158.3	147.9	. 131.6	132.0	128.6	
income to the rest of the world 2	137.0	121.8	132.6	125.2	123.5	121.0	117.6	
Equals: Gross national product	5,524.5	5,685.8	5,583.2	5,611.7	5,660.6	5,720.1	5,750.7	
Less: Consumption of fixed capital	594.8	622.9	605.4	615.4	620.0	623.7	632.7	625.2
allowances	548.5	562.4	547.0	550.8	556.2	564.6	577.8	586.8
adjustment Equals: Net national product	-46.2 4,929.8	-60.6 5,062.8	-58.4 4,977.8	-64.5 4,996.3	-63.8 5,040.6	59.1 5,096.4	-54.9 5,118.0	-38.5
Less: Indirect business tax and nontax liability	439.2	471.0	451.2	461.6	464.5	475.6	482.3	488.9
payments Statistical discrepancy Plus: Subsidies less current	27.7 8.1	31.2 19.0	28.5 2.1	29.6 18.0	30.7 16.5	31.8 22.0	32.8 19.6	
surplus of government enterprises	4.8	.6	10.8	2.7	1.9	7.1	4.9	4.4
Equals: National income	4,459.6	4,542.2	4,506.8	4,489.8	4,530.8	4,559.8	4,588.3	
Less: Corporate profits with inventory valuation and capital consumption								
adjustments	319.0 490.1	306.8 480.2	296.1 506.4	302.1 492.6	303.5 481.6	306.1 480.1	315.6 466.5	453.5
Contributions for social insurance Wage accruals less	501.7	527.4	509.3	522.9	525.7	529.5	531.5	540.7
disbursements Plus: Personal interest income	.1 721.3	1 718.6	.2 736.9	.2 730.1	4 721.8	0 716.7	0 705.7	0 688.1
Personal dividend income	124.8	128.5	127.0	128.7	127.4	128.7	129.4	129.4
payments to persons	661.7	733.2	682.2	712.5	725.7	736.8	757.6	798.5
persons	23.2	26.3	23.6	24.7	25.8	26.9	27.8	28.7
Equals: Personal income	4,679.8	4,834.4	4,764.7	4,768.0	4,821.1	4,853.3	4,895.3	4,956.1
Addenda: Net domestic product Domestic income Gross national income	4,919.0 4,448.9 5,516.5			4,973.6 4,467.1 5,593.7	5,032.6 4,522.8 5,644.1	5,085.5 4,548.9 5,698.1	5,107.1 4,577.3 5,731.1	5,184.1

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

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

[Billions of 1987 dollars]

	•			Seasonal	ly adjust	ed at an	nual rate	\$
	1990	1991	1990		19	91		1992
			IV	1	N	111	ΙV	1
Gross domestic product	4,884.9	4,848.8	4,855.1	4,824.0	4,840.7	4,862.7	4,868.0	4,891.9
Plus: Receipts of factor income from the rest of the world 1	130.2 120.4							
Equals: Gross national product	4,894.6	4,860.2	4,877.7	4,843.7	4,847.8	4,872.0	4,877.3	
Less: Consumption of fixed capital	550.5	568.4	556.7	561.9	565.3	569.0	577.2	574.9
Equals: Net national product	4,344.2	4,291.8	4,321.0	4,281.8	4,282.5	4,303.0	4,300.1	
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises		16.4	1.9	15.7	14.3	18.9	16.8	
Statistical discrepancy Equals: National income	1.2	10.4	1.9	15.7	14.3	18.9	10.6	***************************************
•	***************************************		***********					•••••
Addenda: Net domestic product Domestic income	4,334.4	4,280.5	4,298.3	4,262.0	4,275.4	4,293.7	4,290.7	4,317.1
Gross national income	4,887.5	4,843.9	4,875.9	4,828.2	4,833.7	4,853.2	4,860.7	

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

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

Gross national product	4,894.6	4,860.2	4,877.7	4,843.7	4,847.8	4,872.0	4,877.3	
Less: Exports of goods and services and receipts of factor income from the rest	005.0	050.0	CEO O	600.0	647.5	ere c	600.0	
of the world	635.8 620.8							
Equals: Command-basis gross national product	4,879.7	4,854.1	4,842.8	4,830.2	4,844.9	4,870.1	4,871.1	
Addendum: Terms of trade ²	97.6	99.1	94.7	97.9	99.6	99.7	99.1	

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

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

Exports of goods and services and receipts of factor income deflated F011 by the implicit price deflator for imports of goods and services and payments of factor income.
 Ratio of the implicit price deflator for exports of goods and services and receipts of factor income to the corresponding implicit price deflator for imports with the decimal point shifted two places to the right.

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

Table 1.14.—National Income by Type of Income [Billions of dollars]

		[Billions of dollars]								
i			5	Seasonali	y adjuste	ed at ann	ual rates	;		
	1990	1991	1990		19	91		1992		
			IV	1	11	III	IV	1		
National income	4,459.6	4,542.2	4,506.8	4,489.8	4,530.8	4,559.8	4,588.3			
Compensation of employees	3,290.3	3,388.2	3,340.0	3,342.9	3,377.4	3,405.3	3,427.4	3,459.7		
Wages and salaries Government Other	2,738.9 514.0 2,224.9	2,808.2 540.5 2,267.7	525.4	2,771.1 536.0 2,235.1	2,800.2 540.1 2,260.1	2,822.4 541.8 2,280.6	544.2	2,863.0 552.6 2,310.4		
Supplements to wages and salaries	551.4	580.0	561.6	571.8	577.2	582.9	588.1	596.7		
for social insurance Other labor income	277.3 274.0	289.4 290.6	281.7 279.9	287.5 284.2	288.7 288.5	290.2 292.8	291.1 297.0	295.7 301.1		
Proprietors' income with IVA and CCAdj	373.2	379.7	373.9	364.2	380.0	382.5	392.0	403.1		
FarmProprietors' income with	42.5	35.1	41.2	32.8	39.6	32.0	36.1	37.0		
IVA CCAdj	50.3 7.9	42.7 -7.6	49.0 7.8	40.5 -7.7	47.1 -7.6	39.6 -7.6	43.6 -7.5	44.3 -7.3		
Nonfarm Proprietors' income	330.7 308.9	344.5 325.4	332.7 313.0	331.4 312.5	321.6	331.5	355.9 335.8	366.2 345.6		
CCAdj	8 22.7	3 19.5	5 20.2	3 19.1	3 19.2	5 19.4	1 20.1	4 21.0		
Rental income of persons with CCAdj	-12.9	-12.7	-9.5	-11.9	-11.7	-14.2	-13.1	-10.7		
Rental income of persons CCAdj	40.6 -53.4	42.5 -55.2	44.0 -53.5	41.9 -53.8			44.7 -57.7	43.4 -54.1		
Corporate profits with IVA and CCAdj	319.0	306.8	296.1	302.1	303.5	306.1	315.6			
Corporate profits with IVA Profits before tax	318.2 332.3	312.4	304.9 326.1	315.7 309.1	306.2		316.1			
Profits tax liability Profits after tax Dividends	135.3 197.0 133.7		127.1 199.0 136.2	119.4 189.7 137.8	182.7	189.6				
Undistributed profits	63.3 -14.2		62.8 -21.2	51.9 6.7				-3.7		
CCAdj	.8	1	-8.8	-13.6	ľ		l	l		
Net interest	490.1	480.2	506.4	492.6	481.6	480.1	466.5			
Addenda: Corporate profits after tax with IVA and CCAdj Net cash flow with IVA	183.6	182.3	169.0	182.7	180.0	177.5	189.1			
and CAdj	415.4	428.2			1	423.9	437.2			
with IVA and CCAdj Consumption of fixed	49.9		1		i	}		}		
capital Less: IVA Equals: Net cash flow	365.5 -14.2 429.5	3.1	372.7 -21.2 426.7		9.9	-4.8		-3.7		

CCAdj Capital consumption adjustment IVA Inventory valuation adjustment

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

			5	Seasonali	y adjuste	d at ann	ual rates	
	1990	1991	1990		19	91		1992
			ΙV	ı	11	III	IV	ı
				Billions o	f dollars			·
Gross domestic								
product of corporate business	3.280.9	3,345.1	3.291.6	3.295.7	3.333.7	3.364.1	3,386.8	
Consumption of fixed capital	365.5	383.6	372.7	380.1	383.2	384.6	386.6	384.
Net domestic product	2,915.5	2,961.5	2,919.0	2,915.6	2,950.5	2,979.6	3,000.2	
Indirect business tax and nontax liability plus business transfer						:		
payments less subsidies	307.2	331.3	315.4	324.0	325.9	335.6	339.7	344.
Domestic income Compensation of	2,608.3	2,630.2	2,603.5	2,591.6	2,624.6	2,643.9	2,660.5	*********
employees		2,231.1 1,868.0					2,255.3 1,887.9	
and salaries	353.5	363.1	358.7	358.4	361.5	365.1	367.4	370.
IVA and CCAdj Profits before tax	258.8 272.1	240.7 246.3	223.3 253.3	227.5 234.5	241.7 244.5	243.1 255.2		
Profits tax liability	135.3	124.5	127.1	119.4	123.5	128.6	126.4	
Profits after tax Dividends Undistributed	136.8 116.7	121.9 125.3	126.3 126.8	1	121.9	126.6 124.0	134.5	
profits	20.1 -14.2	-3.4 3.1	6 -21.2	-5.5 6.7	9 9.9	2.6 -4.8		-3
CCAdj Net interest	.8 162.7	-8.7 158.4	-8.8	-13.6	-12.6	-7.3 158.1	-1.3	10
Gross domestic product of financial corporate business	272.0	290.8	277.5	283.9	289.8	294.0	295.7	
Gross domestic product of nonfinancial corporate business	2 000 0	3 054 3	3.014.2	3 011 8	3 043 0	3 070 1	3,091.1	
Consumption of fixed capital	327.3	i e	l .	1	1		,	ſ
Net domestic product							2,745.6	
Indirect business tax and nontax liability plus business transfer								
payments less subsidies	285.5	308.1	293.2	ł	1	İ		
Compensation of	2,396.1					1	2,429.8	ŀ
employees Wages and salaries Supplements to wages	1,694.5	1,716.7	1,710.9	1,696.0	1,711.5	1,725.5	1,733.6	1,738
and salaries Corporate profits with	328.8 224.3		ł	Į	ļ		1	1
Profits before tax	232.5	204.6	216.9	194.4	202.4	211.7	209.8	
Profits tax liability Profits after tax	96.1							
Dividends Undistributed	112.2							
profits	24.2 -14.2							-3
CCAdj Net interest	5.9	-2.5	-2.4	-6.6	-5.9	-1.4	3.9	14
Met mierest	148.5 145.3 150.9 148.4 145.9 145.1 141.9							
	Billions of 1987 dollars							
Gross domestic product of nonfinancial								
corporate business	1	i i		1 '	1 '	l '	2,717.9	1
Consumption of fixed capital Net domestic product Indirect business tax and nontax liability plus business transfer	303.0 2,414.4						315.1 2,402.9	
payments less subsidies								

CCAdj Capital consumption adjustment IVA Inventory valuation adjustment

Table 2.1.—Personal Income and Its Disposition

		[Billions	of dollar	2ì				
				Seasonal	ly adjust	ed at ann	nual rate:	\$
	1990	1991	1990		19	91	•	1992
			IV	1		III	IV	ı
Personal income	4,679.8	4,834.4	4,764.7	4,768.0	4,821.1	4,853.3	4,895.3	4,956.1
Wage and salary disbursements Commodity-producing	2,738.9	2,808.3	2,778.2	2,770.9	2,800.6	2,822.4	2,839.3	2,863.0
industries	745.4 555.8	738.7 556.5	745.2 557.3	733.4 549.3	735.2 552.3	742.3 559.9	744.1 564.3	738.1 559.7
Distributive industries	634.6	.641.2	639.0	635.1	642.0	644.0	643.9	648.3
Service industries	845.0 514.0	887.8 540.6				894.4 541.8	907.2 544.2	924.0 552.6
Other labor income	274.0	290.6	279.9	1	l	292.8	297.0	301.1
Proprietors' income with inventory valuation and capital consumption								
adjustments Farm	373.2 42.5	379.7 35.1	373.9 41.2	364.2 32.8	380.0 39.6	382.5 32.0	392.0 36.1	403.1 37.0
Nonfarm	330.7	344.5	332.7	331.4	340.4	350.5	355.9	366.2
Rental income of persons with capital consumption			_					
adjustment	-12.9	-12.7	-9.5	f i	i	-14.2	-13.1	-10.7
Personal dividend income	124.8	128.5	127.0	128.7	127.4	128.7	129.4	129.4
Personal interest income Transfer payments to	721.3	718.6	736.9	730.1	721.8	716.7	705.7	688.1
persons Old-age, survivors, disability, and health	684.9	759.5	705.8	737.2	751.5	763.7	785.4	827.3
insurance benefits Government unemployment	352.0	380.0	358.4	373.1	377.2	381.7	388.1	403.5
insurance benefits Veterans benefits Government employees	17.9 17.8	26.6 18.4	20.5 17.9	23.6 18.0	27.0 18.7	26.5 18.4	29.4 18.3	38.6 20.6
retirement benefits Other transfer payments Aid to families with	93.1 203.9	99.7 234.8	94.6 214.4	100.3 222.2	98.9 229.7	99.3 237.8	100.3 249.4	104.6 260.0
dependent children Other	19.8 184.2	21.8 212.9	20.5 193.9		21.7 208.0	22.1 215.7	22.6 226.8	22.6 237.4
Less: Personal contributions for social insurance	224.3	238.0	227.5	235.4	237.0	239.3	240.4	245.1
Less: Personal tax and nontax payments	621.0	616.1	627.2	617.1	613.6	615.1	618.4	617.0
Equals: Disposable personal	4 050 0	4 040 4	4407.5	4454.0	4 007 5	4 000 0	4 070 0	
income Less: Personal outlays	3,853.1	4,218.4 3,999.1	1	3,938.4			4,276.6	
Personal consumption	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,000	0,070	.,020	1,000.0	.,
expenditures		3,889.1		3,827.7				
Interest paid by persons Personal transfer payments	107.5							106.5
to rest of the world (net)	2.9					2.9	3.5	3.5
Equals: Personal saving	205.8	219.3	215.0	212.6	228.8	212.5	223.4	205.6
Addenda: Disposable personal								
income: Total, billions of 1987 dollars	3.538.3	3,534.9	3.529.5	3.514.8	3.537.4	3.539.9	3.547.5	3.573.7
Per capita:					,			
Current dollars 1987 dollars Population (mid-period, millions)	16,236 14,154 250.0	16,695 13,990 252.7	16,479 14,058 251.1	16,492 13,965 251.7	14,022	16,752 13,992 253.0	16,855 13,981 253.7	17,058 14,049 254.4
Personal saving as percentage of								
disposable personal	ł							

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

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

[Billions of dollars]

Season	ally adjust	ed at an	nual rate	S	
	1991				
ı		III	IV	1	
0 3,827.	7 3,868.5	3,916.4	3,943.7	4,023.5	
9 440.	7 440.0	452.9	447.3	468.3	
5 180.	.7 179.3	188.4	188.0	196.7	
4 171. 1 88.					
4 1,246.	3 1,252.9	1,257.4	1,251.1	1,270.8	
8 616. 8 208. 2 105. 1 12. 6 304.	2 212.8 0 102.0 2 11.4	214.6 101.7 11.7	208.4 102.5 11.2	217.0 98.0 11.2	
6 2,140.	7 2,175.6	2,206.1	2,245.2	2,284.5	
3 565. 5 218. 6 99.	6 225.4	226.5	230.9	591.7 225.6 99.5	
4 555.	2 153.9 9 570.0	157.4 583.5	160.1 598.1	126.1 163.6 614.3 689.2	
7	152. 555.	152.2 153.9 555.9 570.0	152.2 153.9 157.4 555.9 570.0 583.5	152.2 153.9 157.4 160.1 555.9 570.0 583.5 598.1	

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

3,262.6	3,259.0	3,251.8	3,241.1	3,252.4	3,271.2	3,271.1	3,313.8
438.9	412.5	424.0	410.8	408.9	418.3	412.2	429.9
191.4	167.9	179.8	166.7	164.2	170.9	169.7	177.4
170.6 76.9						169.4 73.1	177.3 75.3
1,050.8	1,043.0	1,044.7	1,043.9	1,046.2	1,046.1	1,035.8	1,047.6
187.4 85.0 10.0	182.9 83.0 9.6	184.1 84.0 8.9	181.7 81.8 9.3	186.1 83.0 9.8	184.7 83.6 10.1	179.0 83.6 9.4	184.7 81.4 9.9
1,773.0	1,803.4	1,783.1	1,786.3	1,797.2	1,806.8	1,823.1	1,836.3
202.1 92.2	206.8 94.9	203.7 93.5	201.7 91.7	207.1 95.6	208.0 95.2	210.4 96.9	90.9
129.0 424.3	128.3 439.6	128.7 429.6	127.0 432.9	127.9 436.9	128.9 441.7	129.5 447.0	129.2
	438.9 191.4 170.6 76.9 1,050.8 515.8 187.4 85.0 10.0 252.6 1,773.0 474.5 202.1 92.2	191.4 167.9 170.6 76.9 74.2 1,050.8 1,043.0 10.0 252.6 250.3 1,773.0 1,803.4 474.5 202.1 29.0 129.0 128.3 424.3 439.6	438.9 412.5 424.0 191.4 167.9 179.8 170.6 74.2 76.2 1,050.8 1,043.0 1,044.7 515.8 517.2 515.9 187.4 182.9 184.1 85.0 83.0 84.0 9.6 252.6 250.3 251.7 1,773.0 1,803.4 1,783.1 474.5 478.9 202.1 206.8 203.7 92.2 94.9 93.5 109.9 112.0 110.2 129.0 128.3 128.7 424.3 439.6 429.6	438.9 412.5 424.0 410.8 191.4 167.9 179.8 166.7 170.6 170.5 168.0 168.9 76.2 75.1 1,050.8 1,043.0 1,044.7 1,043.9 187.4 182.9 184.1 181.7 85.0 83.0 84.0 81.8 10.0 9.6 8.9 9.3 252.6 250.3 251.7 252.5 1,773.0 1,803.4 1,783.1 1,786.3 474.5 478.9 476.9 477.3 202.1 206.8 203.7 201.7 92.2 94.9 93.5 91.7 109.9 112.0 110.2 110.0 129.0 128.3 128.7 127.0 424.3 439.6 429.6 432.9	438.9 412.5 424.0 410.8 408.9 191.4 167.9 179.8 166.7 164.2 170.6 170.5 168.0 168.9 171.1 76.9 74.2 76.2 75.1 73.6 1,050.8 1,043.0 1,044.7 1,043.9 1,046.2 187.4 182.9 184.1 181.7 186.1 185.0 83.0 84.0 81.8 83.0 84.0 81.8 83.0 84.0 81.8 83.0 252.6 250.3 251.7 252.5 250.3 1,773.0 1,803.4 1,783.1 1,786.3 1,797.2 474.5 478.9 476.9 477.3 478.3 202.1 206.8 203.7 201.7 207.1 92.2 94.9 93.5 91.7 95.6 109.9 112.0 110.2 110.0 111.5 129.0 128.3 128.7 127.0 127.9 424.3 439.6 429.6 432.9 436.9	438.9 412.5 424.0 410.8 408.9 418.3 191.4 167.9 179.8 166.7 164.2 170.9 170.6 170.5 168.0 168.9 171.1 172.5 76.9 74.2 76.2 75.1 73.6 74.9 1,050.8 1,043.0 1,044.7 1,043.9 1,046.2 1,046.1 515.8 517.2 515.9 518.7 517.0 517.4 187.4 182.9 184.1 181.7 186.1 184.7 85.0 83.0 84.0 81.8 83.0 83.6 10.0 9.6 8.9 9.3 9.8 10.1 252.6 250.3 251.7 252.5 250.3 250.3 1,773.0 1,803.4 1,783.1 1,786.3 1,797.2 1,806.8 474.5 478.9 476.9 477.3 478.3 479.4 202.1 206.8 203.7 201.7 207.1 208.0 92.2 94.9 93.5 91.7 95.6 95.2 109.9 112.0 110.2 110.0 111.5 129.0 128.3 128.7 127.0 127.9 128.9 424.3 439.6 449.6 432.9 436.9 441.7	191.4 167.9 179.8 166.7 164.2 170.9 169.7 170.6 170.5 168.0 168.9 171.1 172.5 169.4 76.9 74.2 76.2 75.1 73.6 74.9 73.1 1,050.8 1,043.0 1,044.7 1,043.9 1,046.2 1,046.1 1,035.8 187.4 182.9 184.1 181.7 186.1 184.7 179.0 85.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83

Table 3.2.—Federal Government Receipts and Expenditures

		•		- ,				
				Seasonal	ly adjuste	ed at ann	nual rates	3
	1990	1991	1990		19	91		1992
			IV	ı	н	Ш	IV	1
Receipts	1,104.8	1,120.1	1,110.7	1,115.2	1,114.3	1,124.6	1,126.2	
Personal tax and nontax receipts	482.2 469.7 11.6 .9		.8	473.9 462.1 10.9 .9	468.8 457.2 10.6 1.0	469.9 457.0 11.8 1.0	469.0 457.2 10.7 1.1	466.8 455.0 10.7 1.1
Corporate profits tax accruals Federal Reserve banks Other	112.1 23.6 88.5	102.9 22.8 80.1	105.7 24.0 81.7	99.0 23.3 75.7	102.0 22.6 79.5	106.2 23.0 83.2	22.6	
Indirect business tax and nontax accruals	65.8 36.2 17.5 12.2	78.8 46.3 17.2 15.3	17.4	78.2 46.6 16.6 15.0	77.1 46.4 16.1 14.6	78.7 46.0 17.1 15.6	81.2 46.1 18.9 16.2	80.5 46.5 18.0 16.0
Contributions for social insurance	444.7	468.0	451.1	464.1	466.3	469.9	471.6	480.2
Expenditures	1,270.1	1,321.7	1,304.4	1,261.6	1,321.0	1,334.8	1,369.3	1,421.8
Purchases National defense Nondefense	424.9 313.4 111.5	323.5		332.3		444.9 322.3 122.6		441.8 315.0 126.8
Transfer payments (net) To persons To rest of the world (net)	510.8 498.2 12.6	546.6	511.1	457.5 535.3 -77.8	543.0		560.9	598.5 594.3 4.2
Grants-in-aid to State and local governments	132.2	152.8	137.3	143.7	151.0	153.3	163.3	168.5
Net interest paid Interest paid To persons and business To rest of the world (net) Less: Interest received by	177.5 209.2 171.4 37.9	220.1 181.1 39.0		178.2 39.3	220.3 181.2 39.1	181.4 39.0	222.3 183.7 38.6	187.2 219.3 182.5 36.9
government	31.8	31.5	38.8	31.7	30.6	32.5	31.0	32.1
Subsidies less current surplus of government enterprises . Subsidies	24.7 27.5	27.8	33.0	28.6	29.7	20.6	32.4	31.9
government enterprises	2.8	6.3	1.9	5.1	7.0	6.8	6.4	6.2
Less: Wage accruals less disbursements	.1	1	.2	.2	4	0	0	0
Surplus or deficit (-), national income and product accounts	_165.3	-201.6	-193.6	-146.4	-206.7	-210.2	-243.1	
Social insurance funds	60.6 -225.9			47.9 194.4	44.6 251.3	44.4 -254.6	36.7 -279.9	15.6

Table 3.3.—State and Local Government Receipts and Expenditures
[Billions of dollars]

				Seasonall	y adjuste	ed at ann	ual rates	 S
	1990	1991	1990		19	91		1992
			IV	1	- 11	III	IV	ı
Receipts	724.5	771.7	741.3	749.4	764.1	777.4	795.8	
Personal tax and nontax receipts	138.8 106.1 15.5 17.3	145.7 110.8 16.7 18.2	141.8 108.2 15.9 17.6	143.2 109.1 16.2 17.9	144.9 110.3 16.5 18.1	145.2 110.0 16.8 18.4	149.5 113.7 17.2 18.6	150.2 113.8 17.5 18.9
Corporate profits tax accruals	23.2	21.6	21.4	20.4	21.4	22.4	22.0	
Indirect business tax and nontax accruals	373.4 181.4 152.1 39.8	392.2 188.8 162.1 41.2	382.6 185.0 156.1 41.5	383.4 183.9 158.6 40.9	387.3 186.3 161.0 40.0	397.0 192.4 163.3 41.2	401.1 192.7 165.7 42.7	408.4 196.6 168.1 43.7
Contributions for social insurance	57.0	59.4	58.2	58.8	59.4	59.6	59.9	60.5
Federal grants-in-aid	132.2	152.8	137.3	143.7	151.0	153.3	163.3	168.5
Expenditures	698.8	741.7	723.3	729.0	736.5	745.6	755.6	768.7
Purchases Compensation of employees Other	618.0 409.8 208.2	642.4 434.1 208.2	636.7 420.9 215.7	637.3 427.4 209.9	640.4 433.2 207.2	644.2 435.9 208.3	647.5 440.0 207.5	654.3 444.7 209.6
Transfer payments to persons	163.5	186.5		177.2	182.7	189.4	196.7	204.2
Net interest paid	-53.7 61.1 114.9	-57.1 64.5 121.6	54.8 62.4 117.2	-55.7 63.2 118.9	-56.7 64.0 120.7	-57.6 64.9 122.5	-58.4 65.8 124.2	
Less: Dividends received by government 1	9.0	9.2	9.2	9.1	9.2	9.4	9.1	9.2
Subsidies less current surplus of government enterprises . Subsidies	-20.0 .4 20.3	-20.9 .4 21.3	.4	-20.8 .4 21.1	-20.8 .4 21.2	.4	-21.1 .4 21.5	1
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (-), national income and product accounts	25.7	30.0	18.0	20.4	27.6	31.8	40.3	
Social insurance funds Other	63.8 -38.1	65.3 -35.3	64.9 -46.9	65.0 -44.7	65.6 -38.0	65.6 33.8	65.1 24.8	65.2

Table 3.7B.—Government Purchases by Type

	l			Seasonal	ly adjust	ed at ann	nual rates	
	1990	1991	1990		19	91		1992
			IV	1	l1	III	IV	-
Government purchases	1,042.9	1,087.5	1,071.2	1,088.8	1,092.5	1,089.1	1,079.5	1,096.1
Federal	424.9	445.1	434.5	451.5	452.1	444.9	432.0	441.8
National defense	313.4 85.9 12.7 208.4	89.5 12.9	320.6 87.5 18.6 208.7	332.3 91.5 14.8 220.8	328.4 93.9 11.2 217.9	88.6 12.4		315.0 82.3 12.5 215.1
employees	124.5 82.7 41.8 83.9 6.4	87.3 44.4 84.6	126.2 83.9 42.2 82.5 5.8	132.6 88.5 44.1 88.2 5.1	131.8 87.4 44.4 86.1 5.4	86.7 44.6 85.7	131.0 86.4 44.6 78.3 4.3	134.6 88.7 45.9 80.5 5.0
Nondefense Durable goods Nondurable goods Commodity Credit Corporation	111.5 5.7 5.1	5.9	113.9 6.0 5.4	119.2 5.7 8.5	123.7 6.3 8.6		121.0 5.9 2.6	126.8 6.1 4.4
other nondurables Services Compensation of	-1.7 6.8 92.5	.5 5.7 99.6	8 6.2 94.3	3.3 5.2 96.9	1.9 6.6 98.8	5 5.6 101.4	-2.7 5.4 101.3	-1.2 5.5 105.6
employees Other services Structures	54.9 37.6 8.2		54.8 39.5 8.2	56.8 40.1 8.1	56.9 41.9 10.1	57.1 44.3 10.1	57.6 43.7 11.1	60.9 44.7 10.8
State and local	618.0	642.4	636.7	637.3	640.4	644.2	647.5	654.3
Durable goods	33.7 54.9 439.2	462.5	34.7 58.2 450.4	35.3 56.1 457.1	35.6 55.0 462.3	464.2	36.0 54.8 466.5	36.3 54.1 470.6
employees Other services Structures	409.8 29.4 90.1	434.1 28.4 89.0	420.9 29.5 93.4	427.4 29.6 88.9	433.2 29.1 87.6	435.9 28.3 89.2	440.0 26.6 90.2	444.7 25.9 93.3

Table 3.10.—National Defense Purchases

[Billions of dollars]

		[Danois	or concer	J,				
National defense purchases	313.4	323.5	320.6	332.3	328.4	322.3	311.0	315.0
Durable goods	85.9	89.5	87.5	91.5	93.9	88.6	84.1	82.3
Military equipment Aircraft Missiles Ships Vehicles Electronic equipment Other	79.3 30.6 15.4 12.5 4.7 7.3 8.8	77.7 26.7 16.6 12.1 4.3 6.6 11.4	83.3 32.2 17.1 14.1 4.4 7.7 7.8	78.7 27.5 18.1 11.5 4.1 6.9	82.3 27.2 16.1 12.6 5.1 7.4 14.0	76.5 26.6 16.1 12.1 4.5 6.1 11.1	73.5 25.8 16.1 12.2 3.4 6.1 9.9	72.3 23.9 15.5 12.3 4.1 6.9 9.8
Other durable goods Nondurable goods	6.6 12.7	11.8 12.9	4.2 18.6	12.9 14.8	11.6 11.2	12.1 12.4	10.6 13.3	10.0 12.5
•								
Petroleum products Ammunition	6.2 3.1 3.4	5.3 4.1 3.5	11.5 3.5 3.6	6.5 4.9 3.4	4.0 3.8 3.4	5.5 3.4 3.6	5.1 4.4 3.7	4.6 4.2 3.7
Services	208.4	216.3	208.7	220.8	217.9	217.0	209.3	215.1
Compensation of employees Military Civilian Other services Contractual research and development Installation support 1 Weapons support 2 Personnel support 3 Transportation of material Travel of persons Other	124.5 82.7 41.8 83.9 28.7 23.7 9.6 13.5 4.9 4.0 —.6	131.7 87.3 44.4 84.6 26.2 23.7 11.0 12.2 6.5 5.7 7	126.2 83.9 42.2 82.5 26.8 23.4 8.5 13.8 6.3 4.4 6	132.6 88.5 44.1 88.2 26.0 24.7 11.1 13.0 7.6 6.2 4	131.8 87.4 44.4 86.1 27.4 21.3 11.4 12.7 7.6 6.1 5	131.3 86.7 44.6 85.7 26.7 25.7 11.1 12.4 5.6 5.5 -1.3	131.0 86.4 44.6 78.3 24.6 23.1 10.3 10.8 5.0 5	134.6 88.7 45.9 80.5 22.6 25.1 10.0 11.9 6.2 5.4 7
Structures	6.4	4.8	5.8	5.1	5.4	4.3	4.3	5.0
Military facilities Other	3.7 2.7	2.3 2.5	3.0 2.8	2.5 2.7	2.8 2.5	1.8 2.4	1.9 2.4	2.3 2.7

^{1.} Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to

Table 3.8B.—Government Purchases by Type in Constant Dollars [Billions of 1987 dollars]

			5	Seasonal	y adjuste	ed at ann	ual rates	
	1990	1991	1990		19	91		1992
			ΙV	-	H	III :	IV	-
Government purchases	929.1	937.1	937.9	944.5	944.3	936.1	923.3	929.
Federal	380.9	384.9	382.6	391.7	392.7	384.5	370.7	372.
National defense	281.3 80.5 9.9 185.4	281.4 82.3 11.3 184.2	282.0 81.2 12.2 183.7	289.4 83.7 12.1 189.7	287.0 86.3 10.2 186.4	280.4 81.7 11.2 184.4	268.7 77.5 11.6 176.2	267.0 75.1 11.0 176.3
employees	108.1 72.1 36.1 77.3 5.5	108.4 72.3 36.1 75.8 3.6	109.1 72.9 36.1 74.6 4.9	110.2 74.0 36.2 79.5 3.9	108.9 72.7 36.2 77.5 4.2	107.9 71.7 36.2 76.6 3.1	106.7 70.8 35.9 69.4 3.4	105.0 69.6 35.4 71.3
Nondefense Durable goods Nondurable goods Commodity Credit Corporation	99.6 5.5 5.1	103.5 5.7 5.7	100.6 5.9 5.3	102.3 5.4 7.6	105.7 5.9 7.9	104.1 5.7 4.8	102.0 5.7 2.7	105.2 5.9 4.6
inventory change Other nondurables Services Compensation of	-1.0 6.2 81.5	.8 4.9 83.4	4 5.8 82.1	3.2 4.4 82.0	2.1 5.8 83.0	–.1 4.8 84.7	-2.0 4.6 83.9	–.1 4.8 85.1
employees Other services Structures	47.6 33.9 7.4	46.7 36.7 8.7	47.1 35.0 7.4	46.8 35.2 7.2	46.6 36.4 8.9	46.6 38.2 8.9	46.8 37.1 9.8	47.2 37.8 9.5
State and local	548.2	552.2	555.3	552.7	551.7	551.6	552.7	557.1
Durable goods	31.2 47.5 387.2	32.1 47.9 392.1	31.7 48.0 390.5	31.9 48.0 392.1	32.1 48.0 392.9	32.2 47.8 391.6	32.2 47.6 391.5	32.2 47.4 392.0
employees Other services Structures	353.1 34.1 82.4	356.9 35.1 80.2	356.0 34.6 85.1	356.9 35.3 80.6	357.7 35.2 78.6	356.6 35.1 80.0	356.6 34.9 81.4	357.2 34.8 85.4

Table 3.11.—National Defense Purchases in Constant Dollars [Billions of 1987 dollars]

	101	1110113-01	1507 401	iidi oj				
National defense purchases	281.3	281.4	282.0	289.4	287.0	280.4	268.7	267.6
Durable goods	80.5	82.3	81.2	83.7	86.3	81.7	77.5	75.8
Military equipment	74.8	72.2	77.6	72.7	76.4	71.4	68.2	66.9
	28.4	24.9	30.0	25.7	25.1	25.2	23.7	21.9
	15.8	16.6	16.7	17.2	16.4	16.2	16.7	16.1
	11.4	10.4	12.7	10.1	10.8	10.4	10.4	10.5
	4.4	4.0	4.1	3.9	4.8	4.1	3.0	3.6
	6.9	6.2	7.2	6.5	6.9	5.8	5.7	6.4
	7.9	10.0	6.9	9.4	12.4	9.7	8.6	8.4
	5.8	10.1	3.6	11.0	9.8	10.3	9.3	9.0
Nondurable goods	9.9	11.3	12.2	12.1	10.2	11.2	11.6	11.6
Petroleum products	4.0	3.9	5.7	4.2	3.3	4.3	3.7	3.9
	2.8	4.1	3.2	4.8	3.7	3.5	4.5	4.3
	3.0	3.3	3.2	3.1	3.2	3.3	3.4	3.4
	185.4	184.2	183.7	189.7	186.4	184.4	176.2	176.3
	105.4	104.2	103.7	109.7	100.4	104.4	170.2	170.3
Compensation of employees	108.1	108.4	109.1	110.2	108.9	107.9	106.7	105.0
	72.1	72.3	72.9	74.0	72.7	71.7	70.8	69.6
	36.1	36.1	36.1	36.2	36.2	36.2	35.9	35.4
	77.3	75.8	74.6	79.5	77.5	76.6	69.4	71.3
development	27.0	24.0	24.9	24.0	25.1	24.2	22.5	20.7
	21.4	20.9	20.5	21.8	19.0	22.6	20.2	22.0
	8.9	9.8	7.7	10.0	10.2	9.9	9.0	8.7
	11.5	9.7	11.3	10.6	10.1	9.9	8.3	9.2
material Travel of persons Other	5.3	6.6	6.7	7.9	7.7	5.9	5.1	6.2
	3.8	5.2	4.0	5.5	5.7	5.1	4.7	5.0
	5	5	5	3	4	–1.0	–.4	6
Structures	5.5	3.6	4.9	3.9	4.2	3.1	3.4	3.9
Military facilities	3.4	2.0	2.8	2.3	2.6	1.6	1.7	2.0
	2.1	1.6	2.1	1.6	1.6	1.5	1.7	1.9

^{1.} Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to

includes depot maintenance and contractual services for weapons systems, other than research and development.
 includes compensation of foreign personnel, consulting, training, and education.

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

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

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

			Sea	sonally	adjuste	ed at an	nual ra	tes
	1990	1991	1990		19	91		1992
		_	I۷	1	11	181	IV	-
Receipts from rest of the world	698.2	726.3	730.9	713.8	721.4	728.9	741.1	
Exports of goods and services	550.4 398.2 262.6 135.6 152.2	283.8	572.6 410.0 266.2 143.8 162.6			597.0 427.3 287.2 140.1 169.7		443.5 294.1
Receipts of factor income 2	147.7	135.0	158.3	147.9	131.6	132.0	128.6	
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Payments to rest of the world	698.2	726.3	730.9	713.8	721.4	728.9	741.1	
Imports of goods and services	624.8 507.4 314.3 193.1 117.4	500.5	649.2 525.0 320.0 205.1 124.1		607.0 488.3 304.8 183.5 118.7	511.1 325.7	517.1 328.7	508.5
Payments of factor income ³	137.0	121.8	132.6	125.2	123.5	121.0	117.6	
Transfer payments (net)	20.0 2.9 12.6 4.5	-25.1 3.2 -33.1 4.9	20.4 2.9 12.7 4.9		3.1	2.9		12.7 3.5 4.2 4.9
Net foreign investment	-83.6	7.6	-71.3	55.7	20.8	-21.8	-24.5	

^{1.} Exports and imports of certain goods, primarily military equipment purchased and sold by the Federal

Table 4.3.—Exports and Imports of Merchandise by End-Use Category [Billions of dollars]

	011110110	01 00110						
Exports of merchandise	398.2	427.2	410.0	412.3	426.7	427.3	442.4	443.5
Foods, feeds, and beverages	35.3	36.8	32.5	36.4	34.5	37.0	39.4	42.3
Industrial supplies and materials	102.0	106.3	110.2	109.8	106.7	103.9	104.8	105.7
Durable goods	35.7	37.3	37.0	36.5	38.1	38.0	36.4	36.6
Nondurable goods	66.3	69.0	73.2	73.3	68.6	65.9	68.3	69.2
Capital goods, except automotive	153.3	166.9	155.0	155.8	170.5	165.7	175.3	175.9
Civilian aircraft, engines, and parts	32.2	36.6	30.8	30.8	38.9	35.6	41.0	41.8
Computers, peripherals, and parts	25.9	27.3	26.2	27.3	27.3	26.7	27.9	27.
Other	95.2	103.0	98.0	97.7	104.4	103.5	106.5	106.
Automotive vehicles, engines, and parts	36.5	40.6	35.4	34.2	40.3	44.9	42.9	42.
Consumer goods, except automotive	42.8	45.9	45.3	45.9	44.5	44.8	48.3	48.
Durable goods	22.9	23.7	23.0	23.6	23.2	23.1	25.0	24.
Nondurable goods	19.9	22.2	22.3	22.3	21.3	21.7	23.3	23.
Other	28.4	30.8	31.7	30.2	30.1	31.1	31.7	28.
Durable goods	14.2	15.4	15.8	15.1	15.1	15.5	15.8	14.
Nondurable goods	14.2	15.4	15.8	15.1	15.1	15.5	15.8	14.
Imports of merchandise	507.4	500.5	525.0	485.4	488.3	511.1	517.1	508.
Foods, feeds, and beverages	26.7	26.5	26.0	25.6	27.9	26.3	26.3	26.4
petroleum and products	77.6	75.9	78.7	74.2	75.8	76.2	77.6	79.
Durable goods	39.0	36.5	39.5	35.9	36.2	36.9	37.0	38.
Nondurable goods	38.7	39.4	39.2	38.3	39.7	39.3	40.6	41.
Petroleum and products	62.3	51.2	72.8	52.9	51.7	52.0	48.3	41.
Capital goods, except automotive	116.0	121.6	120.2	119.3	121.1	122.6	123.3	124.
Civilian aircraft, engines, and parts	10.5	11.9	12.6	11.2	12.4	12.5	11.6	11.
Computers, peripherals, and parts	23.0	26.1	23.3	24.2	26.0	27.6	26.7	27.
Other	82.5	83.5	84.2	83.9	82.7	82.5	85.0	85.
Automotive vehicles, engines, and parts	87.7	85.4	86.5	82.1	78.7	92.1	88.8	88.
Consumer goods, except automotive	105.3	107.9	107.2	100.5	100.3	110.5	120.5	115.
Durable goods	55.7	56.6	57.0	52.0	52.5	58.4	63.5	58.
Nondurable goods	49.6	51.4	50.3	48.5	47.8	52.1	57.0	56.
Other	31.8	31.9	33.4	31.0	32.7	31.4	32.4	33.
Durable goods	15.9	15.9	16.7	15.5	16.4	15.7	16.2	16.
Nondurable goods	15.9	15.9	16.7	15.5	16.4		16.2	16.
Addenda:	1			i				
Exports of agricultural products 1	40.2	40.5	37.7	39.8	38.2	40.6	43.5	44.
Exports of agricultural products	358.0	386.7	372.3	372.6	388.5	386.7	398.9	398.
Imports of nonpetroleum products	445.1	449.2	452.2	432.5	436.6	459.1	468.8	467.
miports of northenolemit broducts	440.1	443.2	402.2	+02.0	400.0	400.1	700.0	707.

^{1.} Includes parts of line 2 and line 5.

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

[Billions of 1987 dollars]

			Sea	sonally	adjuste	ed at an	inual ra	nual rates		
	136.2 130.2	1991	1990		19	91		1992		
			IV	ı	II .	-111	IV	1		
Exports of goods and services Merchandise Durable Nondurable Services Services	369.4 249.3 120.1	397.4 268.9 128.5	379.4 254.5 124.9	379.9 251.2	395.8 271.0 124.8		558.0 413.7 280.6 133.1 144.3	415.8 278.5 137.3		
Receipts of factor income 2	130.2	114.5	137.4	126.8	111.8	111.4	108.0			
Imports of goods and services Merchandise Durable Nondurable Services Services Nondurable	458.5 290.0 168.4	459.8 293.2 166.6	453.0 293.0 160.0	435.9 278.9 156.9	451.2	475.7 304.8 170.9	579.3 476.6 306.0 170.6 102.8	473.5 302.9 170.7		
Payments of factor income ³	120.4	103.1	114.7	107.0	104.7	102.2	98.6			

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

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

Exports of merchandise	369.4	397.4	379.4	379.9	395.8	400.3	413.7	415.8
Foods, feeds, and beverages	30.7	32.4	29.5	32.1	30.4	32.8	34.1	36.8
Industrial supplies and materials	90.1	95.8	94.3	95.1	95.9	95.4	96.9	99.2
Durable goods	31.3	32.5	33.0	31.3	33.2	33.4	32.1	31.8
Nondurable goods	58.8	63.3	61.3	63.9	62.6	62.0	64.7	67.4
Capital goods, except automotive	149.8	164.6	151.8	153.8	167.0	164.4	173.4	174.2
Civilian aircraft, engines, and parts	28.3	30.9	26.6	26.5	33.0	29.7	34.2	34.5
Computers, peripherals, and parts	33.9	41.6	35.7	38.7	40.1	42.0	45.5	46.3
Other	87.6	92.2	89.6	88.6	93.8	92.6	93.8	93.3
Automotive vehicles, engines, and parts	34.0	36.5	34.2	31.1	36.4	40.3	38.2	38.0
Consumer goods, except automotive	39.3	40.7	41.4	41.0	39.3	39.8	42.9	42.5
Durable goods	21.5	21.6	21.4	21.7	20.9	20.9	22.7	22.0
Nondurable goods	17.8	19.2	20.0	19.3	18.4	18.9	20.2	20.6
Other	25.5	27.4	28.1	26.8	26.8	27.7	28.1	25.1
Durable goods	12.8	13.7	14.1	13.4	13.4	13.9	14.1	12.6
Nondurable goods	12.8	13.7	14.1	13.4	13.4	13.8	14.1	12.6
Imports of merchandise	458.5	459.8	453.0	435.9	451.2	475.7	476.6	473.5
Foods, feeds, and beverages	25.5	24.6	24.5	23.9	25.6	24.2	24.5	24.9
Industrial supplies and materials, except	ا ا		امحما					70.0
petroleum and products	66.4	66.0	67.4	62.4	65.5	67.4	68.7	70.6
Durable goods	32.6	31.4		29.9	30.9	32.3	32.4	33.1
Nondurable goods	33.8	34.6	34.1	32.5	34.6	35.1	36.3	37.5
Petroleum and products	51.5	48.5	43.1	44.8	51.4	51.9	45.9	45.8
Capital goods, except automotive	114.0	122.5 10.1	117.0 10.9	116.9 9.6	121.6 10.6	125.2 10.4	126.2 9.7	127.5 9.6
Civilian aircraft, engines, and parts Computers, peripherals, and parts	9.2	38.6	31.5	33.9	37.5	41.7	41.3	42.9
Othor	74.8	73.8	74.6	73.4	73.5	73.0	75.2	74.9
OtherAutomotive vehicles, engines, and parts	79.1	75.0	77.4	72.7	69.3	81.0	76.8	76.2
Consumer goods, except automotive	93.3	95.1	93.9	87.9	88.8	98.1	105.8	99.6
Durable goods	50.0	50.3	50.5	45.8	46.9	52.4	56.2	51.6
Nondurable goods	43.4	44.8	43.5	42.1	41.9	45.7	49.6	47.9
Other	28.6	28.2	29.6	27.2	29.0	28.0	28.6	29.0
Durable goods	14.3	14.1	14.8	13.6	14.5	14.0	14.3	14.5
Nondurable goods	14.3	14.1	14.8	13.6	14.5	14.0	14.3	14.5
Addenda:								
Exports of agricultural products 1	35.4	35.8	34.4	35.0	33.6	36.3	38.3	40.2
Exports of nonagricultural products	334.0	361.6	345.0	344.9	362.2	364.1	375.3	375.6
Imports of nonpetroleum products	407.0	411.3	409.9	391.0	399.8	423.8	430.7	427.7

^{1.}Includes parts of line 2 and line 5.

Government, are included in services.

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

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

Covernment, are incuded in services.

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

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

Table 5.1.—Gross Saving and Investment

				Seasonal	ly adjust	ed at ann	nual rate:	<u> </u>
	1990	1991	1990		19	91		1992
			IV	_	11	HI	IV	ı
Gross saving	710.9	715.2	677.5	746.9	713.1	697.2	703.8	
Gross private saving Personal saving Undistributed corporate profits with inventory valuation and capital	850.4 205.8	886.8 219.3	853.1 215.0	873.0 212.6	892.1 228.8	875.5 212.5		205.6
consumption adjustment Undistributed profits Inventory valuation	49.9 63.3	44.6 50.2	32.8 62.8	45.0 51.9	43.4 46.1	39.4 51.5		
adjustment Capital consumption	-14.2	3.1	-21.2	6.7	9.9	-4.8	.7	-3.7
adjustment	.8	-8.7	-8.8	-13.6	-12.6	-7.3	-1.3	10.4
Corporate consumption of fixed capital	365.5	383.6	372.7	380.1	383.2	384.6	386.6	384.7
Noncorporate consumption of fixed capital	229.3	239.3	232.7	235.3	236.8	239.1	246.1	240.6
disbursements Government surplus or deficit (-), national income and product accounts Federal State and local	- 139.5 -165.3 25.7			- 126.1 -146.4 20.4	-179.1 -206.7 27.6	-178.4 -210.2 31.8	-243.1	
Capital grants received by	20.7	30.0	10.0	20.4	27.0	31.0	40.0	************
the United States (net)	0	0	0	0	0	0	0	0
Gross investment	719.0	734.3	679.6	764.9	729.6	719.1	723.4	688.0
Gross private domestic investment	802.6 -83.6	726.7 7.6	750.9 -71.3	709.3 55.7	708.8 20.8	740.9 21.8	747.9 24.5	712.4
Statistical discrepancy	8.1	19.0	2.1	18.0	16.5	22.0	19.6	

Table 5.4.—Fixed Investment by Type

[Billions of dollars]

			Sea	sonally	adjuste	ed at ar	nual ra	tes
	1990	1991	1990		19	91		1992
			IV	1	:	III	١٧	
Fixed investment	802.7	745.2	787.4	748.4	745.8	744.5	742.0	745.0
Nonresidential	587.0	550.1	585.2	560.0	554.6	546.8	539.0	535.3
Structures	198.7	174.6	191.2	184.0			165.2	161.1
farmUtilities	148.2 30.4	124.5 31.7	140.7 31.7	134.2 31.4		119.0 31.8	116.4 31.7	111.2 32.4
wellsOther structures	11.3 8.8	9.5 8.8	10.4 8.4	10.3 8.2	10.0 9.5	9.2 9.1	8.5 8.7	7.5 10.1
Producers' durable equipment Information processing and related	388.3	375.5	394.0	375.9	374.7	377.8	373.8	374.2
equipment	129.2	132.0	132.8	129.9	129.5	132.3	136.2	139.1
equipment 1	37.3	37.7	38.7	36.6	36.7	37.6	39.9	41.3
OtherIndustrial equipmentTransportation and related	91.9 91.6		94.1 92.2	93.3 87.4	92.8 84.0	94.6 82.0	96.3 82.8	
equipmentOther	83.5 84.0	84.8 74.7	83.6 85.4	82.1 76.5	85.5 75.6	89.2 74.3	82.1 72.6	79.8 74.9
Residential	215.7	195.1	202.2	188.4	191.2	197.7	203.0	209.8
Structures Single family Multifamily Other structures	208.8 108.7 19.3 80.8	188.4 95.8 15.3 77.3	195.4 98.2 18.5 78.8	181.7 87.5 17.5 76.8	88.9	190.9 100.9 14.1 75.9	196.4 105.8 13.9 76.7	202.7 111.5 12.9 78.3
Producers' durable equipment	6.9	6.7	6.8	6.7	6.8	6.8	6.6	7.1

^{1.} Includes new computers and peripheral equipment only.

Table 5.5.—Fixed Investment by Type in Constant Dollars

]		Sea	asonally	adjuste	ed at an	nual ra	tes
	548.8 177.9 133.6 26.8 9.5 8.0 370.8 137.1 48.8 88.3 80.9 75.9 195.5	1991	1990		19	91		1992
			١V	_	11	111	١٧	1
Fixed investment	744.2	687.6	727.8	689.8	686.8	686.5	687.2	692.
Nonresidential	548.8	512.4	544.5	519.1	514.8	510.0	505.6	503.
Structures	177.9	154.0	170.4		158.9	148.4		
farmUtilities		110.9 27.4	126.2 27.9	120.1 27.4	114.7 27.6		103.3 27.3	99.0 27.0
wellsOther structures		7.8 7.9	8.7 7.6	8.5 7.3	8.2 8.4	7.5 8.1	7.0 7.8	6.: 9.
Producers' durable equipment Information processing and related	370.8	358.3	374.0	355.8	355.8	361.6	360.1	361.
equipment	137.1	146.4	141.8	140.4	141.9	148.4	155.1	159.
equipment 1		57.2	52.1	51.6	53.9	58.9	64.3	68.
OtherIndustrial equipment Transportation and related		89.2 71.4	89.7 79.8	88.7 74.7	88.0 71.6	89.5 69.5	90.8 69.6	91. 67.
equipmentOther		74.8 65.8	76.1 76.2	73.0 67.7	75.7 66.7	78.5 65.2	71.9 63.4	69. 65.
Residential	195.5	175.2	183.3	170.7	172.0	176.5	181.7	188.
Structures	188.9 98.1 17.4	1 68.7 86.4 13.7	176.9 88.8 16.6	164.3 79.5 15.8	165.4 80.6 13.9	170.0 90.5 12.5	175.3 95.0 12.4	181. 100. 11.
Multifamily Other structures	73.4	68.7	71.4	69.0	70.9	66.9	67.9	69.
Producers' durable equipment	6.6	6.5	6.5	6.4	6.6	6.5	6.4	6.

^{1.} Includes new computers and peripheral equipment only.

Table 5.10.—Change in Business Inventories by Industry

			Sea	asonally	adjuste	ed at an	nual ra	tes
	1990	1991	1990		19	91		1992
			IV	_	=	#	١٧	_
Change in business inventories	0	-18.5	-36.5	-39.2	-37.1	-3.6	6.0	-32.7
Farm	2.0	-3.5	-7.6	-4.2	-3.1	4	-6.1	-3.2
Nonfarm Change in book value Inventory valuation adjustment	-2.0 19.2 -21.3		4	-35.0 -47.8 12.8	-45.1	-3.2 3.9 -7.1		
Manufacturing Durable goods Nondurable goods	-1.7 -3.1 1.4	-8.0 -11.3 3.2	-10.8	-8.8	-15.8 -15.2 5		-12.5 -16.6 4.2	
Wholesale trade Durable goods Nondurable goods	3.4 2.0 1.4	.3 -1.5 1.7	9	3.2	-14.8 -14.3 6	-2.0 -4.4 2.4		-1.9
Merchant wholesalers	2.2 2.2 1 1.3 2 1.5	1.1 -1.3 2.5 8 1 7	3.2 -2.2 -1.5	2.4 1.0 -2.4	6 -1.5	-5.8 2.1 1.6 1.4	10.8 8.2 -2.0 -1.1	7 2.4 -1.4 -1.2
Retail trade	-7.4 -6.4 -6.4 0 -1.1		-13.4 -10.4 -3.0	-28.4 -23.2 -5.2	-1.5 -1.2 4	2.0 0	-7.0 -9.0	-1.7 .3 -2.0
Other Durable goods Nondurable goods	3.6 .5 3.1		-4.2		-2.4	-3.9 -2.5 -1.4	5	

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

[Billions of dollars]

(Lamono	0. 000.	~,				
	;	Seasonal	ly adjust	ed quarte	erly totals	;
	1990		19	91		1992
	IV	1	II	111	IV	ı
Inventories 1	1,103.4	1,087.8	1,081.0	1,079.0	1,073.9	1,072.7
Farm	93.1	95.6	98.0	96.2	88.8	92.1
Nonfarm	1.010.3	992.1	983.1	982.8	985.1	980.5
Durable goods	582.3	570.5		560.1	557.9	553.4
Nondurable goods	428.1	421.7		422.7	427.2	427.2
Manufacturing	416.6	410.3	404.8	403.7	400.4	395.5
Durable goods	268.8			259.2		251.0
Nondurable goods	147.8	145.1	144.1	144.5	144.8	144.5
Wholesale trade	234.3	233.3	229.1	229.1	233.3	235.0
Durable goods	149.9	150.7			149.3	149.8
Nondurable goods	84.4	82.6	81.8	82.9	84.0	85.2
Merchant wholesalers	206.2	206.5	202.5	201.9	206.6	209.0
Durable goods	133.2	133.9	130.9	129.4	132.6	133.6
Nondurable goods	73.0					75.4
Nonmerchant wholesalers	28.1	26.8				26.1
Durable goods	16.7	16.8				16.2
Nondurable goods	11.4	10.0	10.2	10.4	10.1	9.8
Retail trade	248.8	241.5		243.9		243.9
Durable goods	117.8					
Automotive	59.1					51.6
Other	58.7	57.6		58.7		
Nondurable goods	131.0		1	1		
Other	110.7	106.9	107.0	106.1	105.4	106.1
Final sales of domestic business 2 Final sales of goods and structures of	394.4	395.9	401.3	402.3	403.3	411.0
domestic business 2	224.0	223.0	224.2	223.1	222.3	227.0
Ratio of inventories to final sales of domestic business	}	} 				
Inventories to final sales	2.80	2.75	2.69	2.68	2.66	2.61
Nonfarm inventories to final sales	2.56					2.39
Nonfarm inventories to final sales of goods and	2.50	2.51	2.70		[2.55
structures	4.51	4.45	4.38	4.40	4.43	4.32
	1	ı ""	1		ı	,

^{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 GDP. 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. Final sales of domestic business equals final sales of domestic product

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

[Billions of 1987 dollars]

			Sea	sonally	adjuste	d at an	nual ra	tes
	1990	1991	1990		19	91		1992
			I۷	ı	-	111	IV	1
Change in business inventories	.2	-13.9	-31.2	-32.8	-30.4	.1	7.6	-26.
Farm	1.7	0	-5.5	-1.7	.4	2.9	-1.6	
Nonfarm	-1.5	-13.9	-25.7	-31.1	-30.8	-2.8	9.2	-26.
Manufacturing Durable goods Nondurable goods	-1.3 -2.9 1.6			.5 -7.8 8.2	-13.9			
Wholesale trade Durable goods Nondurable goods	3.1 1.8 1.3	.4 -1.3 1.7	.9 9 1.8	1.9 3.1 -1.1	-13.1	-1.5 -3.9 2.4	14.7 8.6 6.1	-1. 2.
Merchant wholesalers Durable goods Nondurable goods Nonmerchant wholesalers Durable goods Nondurable goods	2.3 2.1 .2 .8 2 1.1	1.0 1.2 2.1 6 1 5	.6 3.2 –2.9 –1.5	3.5 2.4 1.1 –1.6 .7 –2.2	-13.2 -11.7 -1.5 6 -1.4	-3.0 -5.2 2.2	9.7 6.8 –1.8	 2.
Retail trade	-6.8 -6.0 -6.0 0 8	-4.5 -8.0 -7.7 4 3.5	-12.4 -9.7 -2.7	-26.2 -21.5 -4.7	-1.1	6.2 1.8 0 1.7 4.4	-6.3 -8.1	-1. : -1.
Other Durable goods Nondurable goods	3.6 .5 3.1	-2.5 -3.4 .9	-4.0 -3.9 1		-2.2	-2.2	-1.3 6 7	

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

	Seasonally adjusted quarterly totals											
		easonali	y adjuste	ed quarte	riy totals							
	1990		19	91		1992						
	IV		11	111	IV	l						
Inventories 1	984.5	976.3	968.7	968.7	970.6	964.1						
Farm	82.7	82.2	82.3	83.1	82.7	82.6						
Nonfarm	901.9 531.5 370.3	894.1 521.7 372.4	886.4 514.1 372.3	885.7 512.0 373.7	888.0 508.6 379.3	881.5 503.3 378.2						
Manufacturing Durable goods Nondurable goods	372.5 245.9 126.6	372.6 244.0 128.6	369.1 240.5 128.5	368.0 239.5 128.5	365.2 235.7 129.4	360.7 231.7 129.0						
Wholesale trade	205.6 134.0 71.6	206.1 134.8 71.3	202.6 131.5 71.1	202.3 130.6 71.7	205.9 132.7 73.2	206.1 132.3 73.8						
Merchant wholesalers Durable goods Nondurable goods Nonmerchant wholesalers Durable goods Nondurable goods	181.1 118.9 62.2 24.5 15.1 9.4	182.0 119.5 62.5 24.1 15.3 8.8	178.7 116.6 62.1 24.0 15.0 9.0	177.9 115.3 62.6 24.4 15.3 9.1	182.0 117.7 64.3 23.9 15.0 8.9	182.5 117.5 65.0 23.6 14.8 8.8						
Retail trade Durable goods Automotive Other Nondurable goods	224.2 109.6 55.9 53.7 114.6	217.2 103.1 50.5 52.6 114.1	216.4 102.8 50.3 52.5 113.6	217.9 103.2 50.3 52.9 114.7	219.8 101.6 48.2 53.4 118.1	217.5 101.3 48.3 52.9 116.2						
Other	99.5	98.2	98.3	97.4	97.1	97.2						
Final sales of domestic business 2 Final sales of goods and structures of	346.1	343.7	345.8	344.9	344.6	349.						
domestic business ²	200.4	197.4	197.4	195.9	195.3	199.0						
Inventories to final sales	2.84 2.61	2.84 2.60	2.80 2.56	2.81 2.57	2.82 2.58	2.7 2.5						
structures	4.50	4.53	4.49	4.52	4.55	4.4						

Inventories are as of the end of the quarter. Quarter-to-quarter changes calculated from this table are at quarterly rates, whereas the constant-dollar change in business inventories component of GDP is stated at annual rates.

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

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

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

		· · ·	٤	Seasonal	y adjuste	ed at ann	ual rates	
	1990	1991	1990		19	91		1992
			١٧	1	II	lil	IV	1
National income without capital consumption adjustment	4,497.5	4,594.2	4,556.7	4,545.8	4,586.1	4,610.4	4,634.6	
Domestic industries	4,486.7	4,581.1	4,531.0	4,523.1	4,578.0	4,599.4	4,623.7	
Private industries	3,828.9	3,886.0	3,858.2	3,834.7	3,884.3	3,902.3	3,922.6	
Agriculture, forestry, and fisheries	97.1 38.1 234.4 846.9 484.3 362.6 328.7 139.4 96.4	835.7 466.1 369.6 333.2 140.4	95.8 41.9 230.0 834.1 471.3 362.8 326.7 140.1 97.5	87.7 40.4 219.7 820.9 457.7 363.1 332.2 139.8 98.3	94.6 38.0 217.5 831.9 465.9 366.0 336.9 141.9 98.2	373.3 333.1	36.5 224.7 847.7 471.7 376.0 330.7 139.9	
Electric, gas, and sanitary services	92.9		89.0	94.0	96.8	93.7	****	
Wholesale trade Retail trade Finance, insurance, and	263.6 392.1	269.8 397.8		268.7 392.5	271.2 398.3	270.2 398.5	269.2 402.0	
real estate Services	679.8 948.3	1,002.3	694.3 978.2	695.5 977.0		1,010.6		
Government	657.9	695.1	672.8	688.4	693.8		701.1	
Rest of the world	10.8	13.2	25.7	22.7	8.1	10.9	10.9	

Table 6.16C.—Corporate Profits by Industry

[Billions of dollars]

			Sea	asonally	adjuste	ed at ar	nnual ra	tes
	1990	1991	1990		19	91		1992
			١٧	1	H	III	IV	ī
Corporate profits with inventory valuation and capital								
consumption adjustments	319.0	306.8	296.1	302.1	303.5	306.1	315.6	
Domestic industries	258.8	240.7	223.3	227.5	241.7	243.1	250.6	 .
Financial Nonfinancial	34.5 224.3	35.5 205.2	30.0 193.3	33.1 194.4	35.3 206.4	37.5 205.5	36.1 214.4	
Rest of the world	60.2 64.9	66.1 63.8	72.8 67.2	74.6 70.7	61.7 59.5	63.0 62.9	65.0 61.9	
world	4.7	-2.3	-5.6	-3.9	-2.2	~.1	-3.1	
Corporate profits with inventory valuation adjustment	318.2	315.5	304.9	315.7	316.1	313.4	316.9	
Domestic industries	258.0	249.5	232.1	241.2	254.4	250.4	251.9	
Financial	39.6	41.7	36.4	40.1	42.1	43.5	41.3	
Federal Reserve banks	21.3	20.7	21.7	21.0	20.4	20.8	20.5	
Other	18.3	21.1	14.7	19.1	21.7	22.7	20.8	
Nonfinancial	218.3	207.7	195.7	201.0	212.3	206.9	210.5	
Manufacturing	95.7	81.7	78.9	75.0	82.9	84.1	84.7	
Durable goods	37.2	23.7	24.6	20.4	26.5	24.0		
Primary metal industries	4.6	2.1	4.3	2.9	1.7	1.1	2.8	
Fabricated metal products Industrial machinery and	5.6	4.6	3.7	3.0	4.9	4.9		
equipment Electronic and other electric	10.2	8.7	9.3	9.5	9.4	6.8	9.2	
equipment	7.9	6.6	5.7	7.2	7.0	5.3	6.9	
equipment	-7.1	-11.0	-12.3	-14.9	-11.4	-8.3	-9.5	
Other	16.0	12.8	14.0	12.7	14.9	14.2	9.2	
Nondurable goods	58.5	57.9	54.2	54.5	56.4	60.0	60.7	
Food and kindred products Chemicals and allied	12.6	15.4	13.9	15.0	15.8	17.1		
products	20.3	20.2	17.0	16.6	18.7	21.5	24.2	
Petroleum and coal products	6.5	3.9	8.0	8.7	2.9	.8		
Other	19.2	18.4	15.4	14.2	19.1	20.6	19.5	
Transportation and public utilities	44.5	45.8	37.5	45.7	49.2	44.3	44.0	
Wholesale and retail trade	39.8	45.8	38.2	45.3	46.9	44.6	46.4	
Other	38.4	34.4	41.1	35.1	33.3	33.9	35.5	
Rest of the world	60.2	66.1	72.8	74.6	61.7	63.0	65.0	

Table 7.1.—Fixed-Weighted and Alternative Quantity and Price Indexes

				Se	asonally	adjust	ed be					Seasonally adjusted					
	1990	1991	1990		19	91		1992		1990	1991	1990		19	91		1992
<u> </u>			IV	ı	II	Ш	IV	1				IV	1	II.	111	IV	ŀ
Gross domestic product: Current dollars	121 5	124 0	122.4	123.1	124.5	125.8	126.4	128.0	Nonresidential: Current dollars	117.0	110.5	117.0	110.5	444 /	100.0	100.0	107.5
Quantity indexes: Fixed 1987 weights					i 1			107.8	Quantity indexes:		110.5		112.5		1		
Chain-type annual weights									Fixed 1987 weights Chain-type annual weights		102.9	1	104.3		102.5	101.6	101.2
Benchmark-years weights Price indexes:			. !						Benchmark-years weights Price indexes:								
Fixed 1987 weights Chain-type annual weights	113.1	117.6	114.8	116.3	117.3	118.0	118.7	119.6	Fixed 1987 weights	107.9			109.8	110.0	110.3	110.5	110.7
Benchmark-years weights Implicit price deflator	112.9	117.0	114.5	115.9	116.8	117.4	117.9	118.8	Chain-type annual weights Benchmark-years weights								
Personal consumption expenditures:	100.0	407.4	1010	105.4	400.7	400.0	400.0	404.0	Implicit price deflator		107.4	107.5	107.9	107.7	107.2	106.6	
Current dollarsQuantity indexes:			124.9			i		131.8	Structures: Current dollars	1160	101.9	111.6	107.4	105.0	98.7	96.5	94.0
Fixed 1987 weightsChain-type annual weights							107.2	108.6	Quantity indexes:						1		
Benchmark-years weights Price indexes:		•••••			••••••				Fixed 1987 weights Chain-type annual weights		89.9		95.3	92.8	86.6		83.0
Fixed 1987 weightsChain-type annual weights	115.0	119.7	117.6	118.5	119.3	120.1	121.0	121.9	Benchmark-years weights . Price indexes: Fixed 1987								
Benchmark-years weights Implicit price deflator	ll								weights			1			114.1		
Durable goods:									Chain-type annual weights Benchmark-years weights .			1					
Current dollarsQuantity indexes:	115.4	110.3	111.9	109.2	109.0	112.2	110.8	116.0	Implicit price deflator						113.9		
Fixed 1987 weights	108.7	102.2	105.0	101.8	101.3	103.6	102.1	106.5	Producers' durable equipment:								
Benchmark-years weights	**********						•••••		Current dollars	118.9	115.0	120.7	115.2	114.8	115.7	114.5	114.6
Price indexes: Fixed 1987 weights	106.8	109.4	107.4	108.4	109.0	109.9	110.2	110.8	Quantity indexes: Fixed 1987 weights						110.8		
Chain-type annual weights Benchmark-years weights							••••••		Chain-type annual weights Benchmark-years weights .			•					
Implicit price deflator	106.1	107.9	106.6	107.3	107.6	108.3	108.5	108.9	Price indexes:					i			
Nondurable goods: Current dollars	120.4	123.8	123.3	123.3	123.9	124.4	123.7	125.7	Fixed 1987 weights Chain-type annual weights		108.1		107.9		108.1		
Quantity indexes: Fixed 1987 weights	103.9	103.2	103.3	103.2	103.5	103.5	102.4	103.6	Benchmark-years weights . Implicit price deflator	104.7		105.3		105.3	104.5	103.8	103.5
Chain-type annual weights Benchmark-years weights	**********								Residential:				100,1		10		
Price indexes: Fixed 1987 weights						120.6			Current dollars	95.8	86.6	89.8	83.7	84.9	87.8	90.1	93.1
Chain-type annual weights Benchmark-years weights									Fixed 1987 weights								
Implicit price deflator	115.9	120.0	119.3	119.4	119.8	120.2	120.8	121.3	Chain-type annual weights Benchmark-years weights								
Services: Current dollars	125.7	133.9	129.1	130.7	132.9	134.7	137.1	139.5	Price indexes: Fixed 1987 weights	110.4	111.4	110.4	110.4	111.1	112.1	111.8	111.4
Quantity indexes: Fixed 1987 weights]		1						Chain-type annual weights Benchmark-years weights								
Chain-type annual weights Benchmark-years weights	 								Implicit price deflator		111.3	110.3	110.4	111.2	112.0	111.7	111.3
Price indexes:	ļ		·		{	1	l)	Exports of goods and services:							400.0	
Fixed 1987 weights Chain-type annual weights									Current dollars		l	l	[Į l		168.6
Benchmark-years weights Implicit price deflator			118.5						Fixed 1987 weights				140.8	147.1		153.3	153.7
Gross private domestic investment: Current dollars	107.1	97.0	100.2	94.7	94.6	98.9	99.8	95.1	Benchmark-years weights								
Quantity indexes:	!								Price indexes: Fixed 1987 weights	109.8	111.6	110.6	111.8	111.7	111.0	111.9	111.9
Fixed 1987 weightsChain-type annual weights	99.4	89.9		87.7	87.6	91.6		88.9	Chain-type annual weights Benchmark-years weights								
Benchmark-years weights Price indexes:	1								Implicit price deflator	108.9	109.9	109.6	110.4	110.1	109.5	109.8	109.7
Fixed 1987 weightsChain-type annual weights									Imports of goods and services: Current dollars	400.0	400.7	1000		440.7	105.4	407.0	405.5
Benchmark-years weights Implicit price deflator	l								Quantity indexes:		122.7	l	ł			l	125.5
Fixed investment:									Fixed 1987 weights Chain-type annual weights		110.2	1	104.7	1	l	ı	113.8
Current dollarsQuantity indexes:	111.0	103.1	108.9	103.5	103.2	103.0	102.6	103.0	Benchmark-years weights								
Fixed 1987 weights Chain-type annual weights		1	1				ı		Price indexes: Fixed 1987 weights		113.6	119.0	115.3	113.0	112.5	113.5	112.7
Benchmark-years weights Price indexes:									Chain-type annual weights Benchmark-years weights	ļ	l	ļ	ļ			ļ	I
Fixed 1987 weights	108.7	110.5	109.4	110.0	110.3	110.9			Implicit price deflator	112.2	111.3	117.2	113.5				
Chain-type annual weights Benchmark-years weights		l	l		l	i							1			1	
Implicit price deflator	I 107.9	1 108.4	1 108.2	I 108.5	1 108.6	i 108.5	I 108.0	1 107.6	li .								

Table 7.1.—Fixed-Weighted and Alternative Quantity and Price Indexes— Continued

	<u> </u>			Se	asonally	adjust	ed	
	1990	1991	1990		19	91		1992
			IV	ī	11	Ш	IV	1
Government purchases: Current dollars	118.3	123.4	121.5	123.5	123.9	123.6	122.5	124.3
Fixed 1987 weights		106.3						
Benchmark-years weights Price indexes:					••••••	•••••		
Fixed 1987 weights Chain-type annual weights	112.4	116.3	114.3	115.5	116.0	116.5	117.2	118.3
Benchmark-years weights Implicit price deflator		116.1	**********				*********	
Federal: Current dollarsQuantity indexes:		115.6			i			1
Fixed 1987 weights Chain-type annual weights		100.0						
Benchmark-years weights Price indexes: Fixed 1987 weights		116.4		!	116.0			l
Chain-type annual weights Benchmark-years weights						•••••		
Implicit price deflator	111.6	115.7	113.6	115.3	115.1	115.7	116.5	118.5
Current dollars	107.3	110.8	109.8	113.8	112.4	110.4	106.5	107.9
Fixed 1987 weights Chain-type annual weights	96.3	96.3	96.6	99.1	98.3	96.0	92.0	91.6
Benchmark-years weights Price indexes:						••••••		
Fixed 1987 weights		116.3						
Benchmark-years weights Implicit price deflator	111.4	115.0	113.7	114.8	114.4	114.9	115.8	117.7
Nondefense: Current dollars	120.1	131.0	122.7	128.3	133.2	132.1	130.2	136.6
Quantity indexes: Fixed 1987 weights Chain-type annual weights	107.2	111.5	108.4	110.2	113.8	112.1	109.8	113.2
Benchmark-years weights Price indexes:								**********
Fixed 1987 weights Chain-type annual weights	111.5	116.8	113.0	115.8	116.6	117.1	117.6	120.0
Benchmark-years weights Implicit price deflator	l	117.5			*********			******
State and local: Current dollarsQuantity indexes:	l '	129.4			1	1		
Fixed 1987 weights Chain-type annual weights		111.2						
Benchmark-years weights Price indexes:								
Fixed 1987 weights	112./	116.2	114.6		116.0	115./		
Implicit price deflator	112.7	116.3	114.7	115.3	116.1	116.8	117.2	117.5

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

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

				Se	asonalh	y adjust	ed	
	1990	1991	1990		19	91		1992
			١٧	-	H	Ш	١٧	1
Gross domestic product:								
Current dollars	121.5	124.9	122.4	123.1	124.5	125.8	126.4	128.
Quantity indexes: Fixed 1987 weights Chain-type annual weights				106.3				
Benchmark-years weights			•••••		•••••			
Fixed 1987 weights							*********	
Benchmark-years weights Implicit price deflator	112.9	117.0	114.5	115.9	116.8	117.4	117.9	118.
Final sales of domestic product 1: Current dollars	122.2	126.1	123.9	124.7	126.1	126.6	127.0	129.
Fixed 1987 weights	108.2	107.7	108.3	107.6	107.9	107.7	107.7	109.
Chain-type annual weights	l							
Benchmark-years weights Price indexes: Fixed 1987 weights	113.2	117.6	114.9	116.4	117,4	118.1	118.7	119.
Chain-type annual weights								
Chain-type annual weights Benchmark-years weights Implicit price deflator	112.9	117.0	114.5	115.9	116.8	117.5	118.0	118.
Gross domestic purchases 2: Current dollars								
Quantity indexes: Fixed 1987 weights	105.4	104.0	104.3	103.4	103.6	104.5	104.4	104.
Chain-type annual weights	·		********					
Benchmark-years weights Price indexes:								
Fixed 1987 weights	113.4	117.6	115.6	116.5	117.2	117.9	118.6	119.
Chain-type annual weights Renchmark-years weights		••••••	*********	•••••			•••••	
implicit price deliator	113.2	117.1	115.3	116.2	116.8	117.4	118.0	118.
Final sales to domestic purchasers 3: Current dollars				121.7				
Fixed 1987 weights	106.0	104.9	105.6	104.7	104.9	105.1	104.8	106.
Chain-type annual weights Benchmark-years weights		•••••	••••••		••••••			•
Drice indexec	l l							
Fixed 1987 weights	113.5	117.6	115.7	116.6	117.3	118.0	118.7	119.
Fixed 1987 weights	113.2	117.2	115.3	116.2	116.9	117.5	118.1	118.

^{1.} Equals GDP less change in business inventories.
2. Equals GDP less net exports of goods and services or the sum of personal consumptions expenditures, gross private domestic investment, and government purchases.
3. Equals gross domestic purchases less change in business inventories or the sum of personal consumption expenditures, gross private domestic fixed investment, and government purchases.

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

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

				Se	asonally	/ adjust	ed	
	1990	1991	1990		1992			
			IV	1	łł	111	IV	1
Gross national product:								
Current dollars	121.6	125.1	122.9	123.5	124.6	125.9	126.5	
Quantity indexes: Fixed 1987 weights Chain-type annual weights	107.7		107.3			107.2		
Benchmark-years weights								********
Price indexes: Fixed 1987 weights Chain-type annual weights		117.6				118.0		
Benchmark-years weights Implicit price deflator	112.9	117.0	114.5	115.9	116.8	117.4	117.9	
Less: Exports of goods and services and receipts of factor income: Current dollars	148.9 135.5	154.9 139.1	155.8 140.7	152.2 136.3			158.0 142.0	*********
of factor income: Current dollarsQuantity index, fixed 1987 weights Equals: Command-basis gross national product:	151.2 132.4			155.5 133.4			168.3 140.7	
Current dollars	121.6 107.4							

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

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

[Index numbers, 1987=100]

	·							
Personal consumption expenditures	115.0		117.6		119.3		1	121.9
Durable goods	106.8	109.4	107.4	108.4	109.0	109.9	110.2	110.8
Motor vehicles and parts Furniture and household equipment Other	106.4 102.4 115.9		102.5		102.8	103.2	102.9	103.7
Nondurable goods	116.2	120.5	119.8	119.8	120.2	120.6	121.2	121.7
Food Clothing and shoes Gasoline and oil Fuel oil and coal Other	115.7 111.4 125.6 125.5 117.4	115.4 123.8 121.0	112.3 146.5	114.6	114.4 122.9 116.6	116.3 121.6 115.6	116.5 122.6 119.2	117.5 120.4 112.3
Services	116.3	121.8	118.7	120.1	121.4	122.4	123.5	124.8
Housing	115.3 105.7 105.4 106.0 114.5 123.6 115.9	109.6 108.5 110.6 122.0 131.8	106.5 107.2 118.1	109.0 108.8 109.2 120.4 129.0	109.4 108.3 110.5 120.8 131.0	109.6 107.6 111.5 122.6 132.8	110.4 109.5 111.3 124.2	111.3 109.4 113.0 127.6 136.3
Addenda: Price indexes for personal consumption expenditures: Chain-type annual weights Benchmark-years weights								

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

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

[Index numbers, 1987=100]

				Sea	asonally	adjust	ed	
	1990	1991	1990		19	91		1992
			١٧	1	11	111	IV	-
Fixed Investment	108.7	110.5	109.4	110.0	110.3	110.9	110.9	110.9
Nonresidential	107.9	110.2	108.9	109.8	110.0	110.3	110.5	110.7
Structures	111.9	113.6	112.4	112.9	113.4	114.1	113.8	113.5
farm	111.0 113.3		111.5 113.7				112.6 116.2	
Mining exploration, shafts, and wells Other structures	118.7 109.9		119.6 110.5	121.4 111.5			121.6 112.0	120.3 110.7
Producers' durable equipment	105.9	108.1	107.1	107.9	107.9		108.5	
equipment	96.0	94.2	95.9	10.0	94.6		93.4	
equipment 1	78.0 100.4 113.5	68.8 105.7 117.9	75.9 104.9 115.9	73.0 105.3 117.2	70.3 105.6 117.5		65.2 106.2 118.8	
equipmentOther	108.0 111.0	112.7 114.3	109.6 112.6	111.8 113.6	112.1 113.9			115.2 115.6
Residential	110.4	111.4	110.4	110.4	111.1	112.1	111.8	111.4
Structures	110.6 110.9 110.7 110.2		110.5 110.5 111.4 110.3	110.0 110.9	110.3	111.5 112.4	112.3	111.7
Producers' durable equipment	104.1	104.2	104.9	104.3	103.6	105.5	103.6	104.4
Addenda: Price indexes for fixed investment: Chain-type annual weights Benchmark-years weights						••••••		

Includes new computers and peripheral equipment only. Prior to 1982, all computers and peripheral equipment are included in other information processing and related equipment (line 11).

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

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

109.8	111.6	110.6	111.8	111.7	111.0	111.9	111.9
109.1 106.8 113.0 111.7	108.3 111.8	106.2 114.6	108.2 113.8	108.3 112.3	108.1 110.0	108.6 111.1	109.1 109.6
113.5	118.0	115.2	116.7	117.7	118.4	119.0	
113.3	113.6	119.0	115.3	113.0	112.5	113.5	112.7
110.3 114.5	111.8 111.0	111.6 129.0	112.2 115.4	111.5 109.5	111.5 108.6	112.2 110.4	113.2
113.8	118.3	115.6	117.0	118.0	118.7	119.3	
	109.1 106.8 113.0 111.7 113.5 113.3 111.8 110.3 114.5 119.9	109.1 109.6 108.3 113.0 111.8 111.5 118.0 111.8 111.5 119.9 123.2 113.8 118.3	109.1 109.6 109.3 106.2 113.0 111.8 114.6 111.7 116.5 113.6 113.3 113.6 119.0 111.8 111.6 114.5 111.0 129.0 119.9 123.2 123.9	109.1 109.6 109.3 110.2 108.2 113.0 111.8 114.6 113.8 111.7 116.5 113.6 115.7 113.3 113.6 119.0 115.3 111.8 111.6 112.2 114.5 113.8 115.6 115.7 113.8 118.0 115.4 119.9 123.2 123.9 124.0 113.8 118.3 115.6 117.0	109.1 109.6 109.3 110.2 109.8 106.8 108.3 106.2 108.2 108.3 113.0 111.8 114.6 113.8 112.3 113.5 118.0 115.2 116.7 117.7 113.3 113.6 119.0 115.3 113.0 111.8 111.5 118.0 115.2 116.7 117.7 113.3 113.6 119.0 115.3 113.0 111.8 111.5 118.0 112.2 111.5 114.5 111.0 129.0 115.4 109.5 119.9 123.2 123.9 124.0 123.2 113.8 118.3 115.6 117.0 118.0	109.1 109.6 109.3 110.2 109.8 108.8 108.8 108.8 108.3 106.2 108.2 108.3 108.1 113.0 111.8 114.6 113.8 112.3 110.0 111.7 116.5 113.6 115.7 116.3 116.4 113.3 113.6 119.0 115.3 113.0 112.5 118.1 113.5 118.0 115.3 113.0 112.5 111.8 111.5 118.0 113.4 110.8 110.4 110.3 111.8 111.5	106.8 108.3 106.2 108.2 108.3 108.1 108.6 113.0 111.8 114.6 113.8 112.3 110.0 111.1 111.7 116.5 113.6 115.7 116.3 116.4 117.7 118.5 118.0 115.2 116.7 117.7 118.4 119.0 113.3 113.6 119.0 115.3 113.0 112.5 113.5 111.8 111.5 118.0 113.4 110.8 110.4 111.5 111.5 111.5 111.5 111.5 111.5 111.5 111.6 112.2 111.5 111.5 111.5 111.6 112.2 111.5 111.5 112.2 113.8 118.3 115.6 117.0 118.0 118.7 119.3 113.8 118.3 115.6 117.0 118.0 118.7 119.3

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

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

^{3.} Consists targely of payments to foreign residents of interest and dividends and reinvested earnings of U.S. affiliates of foreign corporations.
NOTE.— Percent changes from preceding period for selected items in this table are shown in table 8.1.

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

			T					
				Se	asonall	y adjust	ed	
	1990	1991	1990		19	91		1992
			IV	ı	lì	III	IV	1
Exports of merchandise	109.1	109.6	109.3	110.2	109.8	108.8	109.5	109.3
Foods, feeds, and beverages	115.2 113.2 114.4 112.6 104.0 113.9 77.7 109.8 107.3 110.3 109.4 111.3 111.3	111.6 116.2 112.4	110.0 116.6 112.4 118.6 104.4 115.6 74.8 110.9 103.6 110.3 110.1 110.4 112.7 112.7	112.5 115.1 116.6 114.5 104.8 116.3 72.1 112.2 110.0 113.4 111.5 114.9 112.8 112.8	109.5 105.2 117.6 70.1 113.1 110.8 114.9 112.4	113.5 108.9 114.9 106.2 104.8 119.6 66.2 113.2 111.3 111.8 111.8	118.1 108.2 113.9 105.6 105.5 120.0 64.3 114.2 111.4 116.6 112.6	117.4 106.7 115.5 102.8 105.8 121.0 62.9 115.5 112.6 112.6 112.6
Imports of merchandise	111.8	111.5	118.0	113.4	110.8	110.4	111.5	110.6
Foods, feeds, and beverages	104.2 116.4 117.7 115.0 120.9 104.9 114.0 79.4 110.5 113.2 112.0 114.6 111.3 111.3	108.5 114.5 114.5 106.0 106.4 118.4 71.9 114.4 113.6 114.2 113.9 114.5 113.1	105.8 116.8 117.7 115.9 168.8 107.0 115.6 77.7 113.8 111.5 114.6 112.8 112.8	107.8 117.4 116.2 118.8 118.0 107.6 116.3 74.6 115.3 112.7 114.9 114.6 115.2 113.7	109.1 115.3 115.3 115.3 100.5 105.9 117.7 72.8 113.6 113.1 114.0 112.9 112.9	108.2 113.0 113.7 112.2 100.2 106.0 119.6 70.9 114.1 113.5 113.4 113.1 112.6 112.6	108.7 112.3 112.7 111.8 105.3 105.9 120.0 69.3 114.4 115.2 114.7 115.1 113.3 113.3	108.6 112.8 115.0 110.5 89.9 106.8 121.0 67.6 115.7 115.7 117.4 114.1
Addenda: Exports of agricultural products ¹ Exports of nonagricultural products Imports of nonpetroleum products	113.9 108.4 110.8	113.0 109.1 112.2	109.3 109.3 112.1	111.7 110.0 112.9	114.2 109.2 112.0	111.5 108.4 111.6	114.6 108.9 112.3	113.9 108.7 113.0

^{1.} Includes parts of line 2 and line 5.

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

	Γ	l	· · · · ·	So	aconali	y adjust	od	
	1990	1001	1990	J				1000
	1990	1991		ļ		191 1	I	1992
		ļ	IV		11	111	IV	<u> </u>
Government purchases	112.4	116.3	114.3	115.5	116.0	116.5	117.2	118.3
Federal	112.1	116.4	113.8	115.9	116.0	116.4	117.4	119.4
National defense Durable goods Nondurable goods Services Compensation of employees Military Civilian Other services Structures	112.2 109.4 124.7 112.8 115.2 114.9 115.9 109.3 115.7	120.9	114.1 110.6 143.3 114.0 115.8 115.2 116.9 111.4 116.3	125.8 117.0 120.4 119.8 121.7 112.1	115.2 117.6	116.1 110.3 115.7 118.3 121.8 121.2 123.2 113.4 130.1	117.3 112.2 119.6 119.4 122.8 122.2 124.0 114.5 124.0	119.1 112.3 112.6 122.6 128.3 127.7 129.6 114.5 123.8
Nondefense	111.5 104.1	116.8	113.0 104.6	115.8 107.6	116.6	117.1	117.6 105.7	120.0 103.2
inventory change	109.2 113.2 115.4 110.2 110.6	110.5 119.1 122.3 114.7	109.1 114.6 116.3 112.3 111.3		122.2	111.7 119.3 122.6 114.8 113.6	112.0 120.4 123.2 116.6 113.4	110.5 123.9 128.9 117.0 113.0
State and local Durable goods Nondurable goods Services Compensation of employees Other services Structures	112.7 108.2 115.6 113.3 116.1 82.1 109.4	116.2 111.2 115.3 117.8 121.7 74.5 111.0	114.6 109.4 121.5 115.1 118.3 80.0 109.8	115.2 110.7 116.7 116.4 119.8 78.1 110.3	116.0 110.9 114.4 117.4 121.2 76.3 111.5	116.7 111.2 115.2 118.3 122.3 74.2 111.5	117.1 112.0 115.1 118.9 123.5 69.6 110.7	117.4 112.6 113.9 119.8 124.6 67.5 109.2
Addenda: Price indexes for government purchases: Chain-type annual weights Benchmark-years weights Price indexes for Federal national								
defense purchases: Chain-type annual weights Benchmark-years weights Price indexes for Federal nondefense purchases: Chain-type annual weights								
Benchmark-years weights Price indexes for State and local purchases: Chain-type annual weights Benchmark-years weights								

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

				Se	asonally	adjust	ed	
	1990	1991	1990		19	91		1992
			IV	1	ij	111	١V	ī
National defense purchases	112.2	116.3	114.1	116.0	115.8	116.1	117.3	119.1
Durable goods	109.4	111.1	110.6	111.1	110.9	110.3	112.2	112.3
Military equipment Aircraft Missiles Ships Vehicles Electronic equipment Other Other durable goods	109.4 112.4 101.0 110.0 110.5 105.9 113.0 108.8	111.3 111.6 104.9 116.8 115.4 107.0 115.8 109.2	110.7 113.1 104.5 111.0 112.1 106.2 113.8 109.7	111.3 111.2 108.9 114.8 112.5 106.8 114.7 109.4	111.0 111.6 104.2 117.2 113.7 106.8 115.6 109.3	110.5 109.9 103.7 117.2 115.9 107.1 116.3 108.5	112.5 113.8 102.6 118.0 119.5 107.6 116.6 109.5	
Nondurable goods	124.7	119.1	143.3	125.8	115.2	115.7	119.6	112.6
Petroleum products Ammunition Other nondurable goods	146.3 112.1 113.2	133.2 109.5 112.8	198.5 111.5 113.5	152.6 109.3 112.4	120.1 112.4 112.7	125.0 108.0 112.9	135.3 108.2 113.3	114.2 110.0 113.3
Services	112.8	118.1	114.0	117.0	117.6	118.3	119.4	122.6
Compensation of employees	115.2 114.9 115.9 109.3	121.6 120.9 122.9 113.1	115.8 115.2 116.9 111.4	120.4 119.8 121.7 112.1	121.2 120.4 122.6 112.6	121.8 121.2 123.2 113.4	122.2 124.0	128.3 127.7 129.6 114.5
development	106.2 110.7 109.7 117.9 96.3 107.4	114.1 126.0 105.4	107.2 112.8 111.4 123.1 97.9 109.8	107.8 112.5 111.9 124.0 102.4 112.6	108.9 112.2 113.0 125.6 104.9 108.3	109.8 113.6 113.8 125.3 105.2 108.1	109.0 114.3 117.5 129.1 109.2 107.3	109.0 113.9 116.9 129.7 109.3 108.4
Structures	115.7	129.1	116.3	134.2	128.2	130.1	124.0	123.8
Military facilities	107.3 131.0		108.1 131.4	108.2 182.1	109.9 161.9	111.8 163.6	112.3 145.5	113.3 143.1
Addenda: Price indexes for national defense purchases: Chain-type annual weights								

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

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

[Index numbers, 1987=100]

112.9	117.0	114.5	115.9	116.8	117.4	117.9	118.8
113.5	117.9	115.2	116.7	117.7	118.4	119.0	
113.8	118.2	115.6	117.0	118.0	118.5	119.3	
112.9	117.0	114.5	115.9	116.8	117.4	117.9	
108.0	109.6	108.7	109.5	109.7	109.6	109.6	108.8
113.5	118.0	115.2	116.7	117.7	118.4	119.0	
112.4	116.2	113 0	115.2	116.0	1165	117.0	
				,,,,,,,,,	,,,,,,		
				117.7	118.4	119.0	120.1
	113.5 113.8 112.9 108.0 113.5	113.5 117.9 113.8 118.2 112.9 117.0 108.0 109.6 113.5 118.0	113.5 117.9 115.2 113.8 118.2 115.6 112.9 117.0 114.5 108.0 109.6 108.7 113.5 118.0 115.2	113.5 117.9 115.2 116.7 113.8 118.2 115.6 117.0 112.9 117.0 114.5 115.9 108.0 109.6 108.7 109.5 113.5 118.0 115.2 116.7	113.5 117.9 115.2 116.7 117.7 113.8 118.2 115.6 117.0 118.0 112.9 117.0 114.5 115.9 116.8 108.0 109.6 108.7 109.5 109.7 113.5 118.0 115.2 116.7 117.7 112.4 116.2 113.9 115.2 116.0	113.5 117.9 115.2 116.7 117.7 118.4 113.8 118.2 115.6 117.0 118.0 118.5 112.9 117.0 114.5 115.9 116.8 117.4 108.0 109.6 108.7 109.5 109.7 109.6 113.5 118.0 115.2 116.7 117.7 118.4 112.4 116.2 113.9 115.2 116.0 116.5	108.0 109.6 108.7 109.5 109.7 109.6 109.6 113.5 118.0 115.2 116.7 117.7 118.4 119.0 112.4 116.2 113.9 115.2 116.0 116.5 117.0

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

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

[Index numbers, 1987=100]

	Seasonally adjusted							
	1990	1991	1990		19	91		1992
			1V	1	11	110	IV	1
Gross domestic product	112.9	117.0	114.5	115.9	116.8	117.4	117.9	118.8
Business Nonfarm Nonfarm less housing Housing Farm Statistical discrepancy	112.4 112.3 112.0 115.2 120.1 112.4	116.3 115.9 119.8 109.9	114.0 113.7 117.0 110.8	115.3 115.0 118.0	116.0 115.7 119.1 115.3	116.6 116.3 120.0 111.9	117.2	117.8 117.3 122.3 106.1
Households and institutions	115.1 106.0 115.5	111.4	108.6	109.8	110.9	111.8	123.8 113.2 124.3	113.8
General government Federal State and local	115.8 115.2 116.1	121.7	115.9	120.6	121.4		123.2 122.9 123.4	
Addendum: Gross domestic business product less housing	112.1							

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

[Dollars]

Current-dollar cost and profit per unit of constant-dollar gross domestic product ¹	1.107	1.135	1.117	1.129	1.135	1.138	1.137	**********
Consumption of fixed capital	.120	.127	.123	.127	.128	.127	.127	
Net domestic product	.987	1.007	.994	1.002	1.007	1.010	1.010	
Indirect business tax and nontax liability plus business transfer payments less subsidies	.105 .882 .745	.114 .893 .763	.109 .885 .758	.889	.113 .894 .763	.116 .894 .765	.116 .894 .763	
consumption adjustments Profits tax liability Profits after tax with inventory valuation and capital	.083 .035	.076 .031	.072 .033	.073 .030	.077 .031	.076 .032	.079 .032	
consumption adjustments Net interest	.047 .055	.045 .054	.039 .056	.043 .056	.046 .054	.044 .054	.047 .052	

^{1.} Equals the deflator for gross domestic product of nonfinancial corporate business with the decimal point shifted two places to the left.

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

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

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

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

[Percent]

			Sea	asonally	adjuste	ed at an	inual ra	ites				Seasonally adjusted at annual rates					
	1990	1991	1990		19	91	-	1992		1990	1991	1990		19	91		1992
			IV	1	li .	m	īV	ı				١٧	1	N	III	IV	1
Gross domestic product:									Structures:								
Current dollars	5.1	2.9	9	2.3	4.6	4.1	2.2	4.9	Current dollars	2.9	-12.1	-19.3	14.2	-8.4	-22.3	-8.7	-9.€
Fixed 1987 weights	1.0	7	-3.9	-2.5	1.4	1.8	.4	2.0	Fixed 1987 weights	.3	-13.4	-19.7	-15.7	-10.3	-23.9	-7.8	-8.5
Chain-type annual weights									Chain-type annual weights								
Benchmark-years weights									Benchmark-years weights . Price indexes:								
Price indexes: Fixed 1987 weights	4.3	3.9	3.2	5.4	3.3	2.6	2.1	3.1	Fixed 1987 weights	2.6	1.5	.6	1.7	1.9	2.4	-1.0	-1.2
Chain-type annual weights									Chain-type annual weights								
Benchmark-years weights					•••••		•••••		Benchmark-years weights .								
Personal consumption expenditures:									Producers' durable								
Current dollars	6.4	3.9	2.9	1.7	4.3	5.0	2.8	8.3	equipment: Current dollars	2.8	-3.3	-7	-17.1	-13	3.4	-4.2	.4
Fixed 1987 weights	1.2	1	-3.5	-1.3	1.4	2.3	0	5.3	Quantity indexes:			1 1	i				}
Chain-type annual weights									Fixed 1987 weights	1.6			-18.1		6.7		
Benchmark-years weights Price indexes:									Chain-type annual weights Benchmark-years weights								
Fixed 1987 weights	5.2	4.1	6.8	3.1	2.9	2.8	2.8	3.1	Price indexes:							•••••	
Chain-type annual weights									Fixed 1987 weights	2.2					.7	1.7	1.7
Benchmark-years weights					•••••				Chain-type annual weights Benchmark-years weights .								
Durable goods:									Residential:		*********						l
Current dollars	1.3	-4.4	-12.4	-9.6	6	12.3	-4.9	20.1	Current dollars	-6.6	-9.6	-16.3	-24.6	6.1	14.3	11.2	14.1
Fixed 1987 weights	4	-6.0	-14.0	~11.9	~1.8	9.5	-5 .7	18.3	Quantity indexes:	l 1		}					1
Chain-type annual weights									Fixed 1987 weights Chain-type annual weights	–8.7		-15.0					
Benchmark-years weights									Benchmark-years weights								
Price indexes: Fixed 1987 weights	2.1	2.4	2.3	3.9	2.1	3.5	1.3	1.9	Price indexes:	i l		1					
Chain-type annual weights									Fixed 1987 weights Chain-type annual weights								
Benchmark-years weights									Benchmark-years weights								
Nondurable goods:									Exports of goods and services:								
Current dollars	6.2	2.8	6.0	0	2.1	1.4	-2.0	6.4	Current dollars	9.0	7.4	18.6	-4.6	18.0	5.0	10.8	.7
Quantity indexes: Fixed 1987 weights	.1	7	~3.4	3	.9	٥	-3.9	4.6	Quantity indexes:								
Chain-type annual weights									Fixed 1987 weightsChain-type annual weights	7.8							1.0
Benchmark-years weights							•••••		Benchmark-years weights								ł .
Price indexes: Fixed 1987 weights	6.2	3.7	10.3	ا ه	1.3	1.3	2.0	1.7	Price indexes:	j i							
Chain-type annual weights									Fixed 1987 weightsChain-type annual weights	1.6			4.6		-2.4	3.0	
Benchmark-years weights		•••••					•••••		Benchmark-years weights								
Services:	77	C.E	4.7		c 7		7.0	70	Imports of goods and services:	}							1
Current dollars	7.7	6.5	4.7	5.2	6.7	5.7	7.3	7.2	Current dollars	6.3	4	11.9	-25.7	2.9	19.2	6.1	-4.6
Fixed 1987 weights	2.3			.7	2.5	2.2	3.7	2.9	Quantity indexes: Fixed 1987 weights	2.2	.3	_03	~15.4	133	22.3	2.1	-1.5
Chain-type annual weights Benchmark-years weights									Chain-type annual weights	l							
Price indexes:		*********					*********	•••••	Benchmark-years weights								
Fixed 1987 weights	5.4								Price indexes: Fixed 1987 weights	4.3	3	26.0	11 9	~77	-20	3.6	-2.6
Chain-type annual weights Benchmark-years weights									Chain-type annual weights								
Gross private domestic investment:	*********	********	*********	*********	**********		•••••	•••••	Benchmark-years weights					•••••			
Current dollars	-4.2	-9.5	-30.3	-20.4	3	19.4	3.8	-17.7	Government purchases: Current dollars	7,	4.2	100	6.7		1 1	2 -	6.0
Quantity indexes:									Quantity indexes:	7.4	4.3	10.0	6.7	1.4	-1.2	-3.5	6.3
Fixed 1987 weights Chain-type annual weights	-5.7	-9.5	-29.5	-20.9	4	19.7	5.0	-15.6	Fixed 1987 weights	3.2	.9	4.6	2.8	1	-3.4	-5.4	2.8
Benchmark-years weights									Chain-type annual weights Benchmark-years weights								
Price indexes:						. 1		1	Price indexes:								
Fixed 1987 weights									Fixed 1987 weights	4.2		4.9	4.5	1.6			3.6
Benchmark-years weights									Chain-type annual weights Benchmark-years weights								
Fixed investment:									. •		*******						
Current dollars	.1	-7.2	-9.7	-18.4	-1.4	7	~1.3	1.6	Federal: Current dollars	5.9	4.8	9.6	16.6	.5	-6.2	-11.1	9.4
Quantity indexes:					i				Quantity indexes:			1					ļ.
Fixed 1987 weights Chain-type annual weights	-1.6			-19.3	-1.7	2	.4.	2.9	Fixed 1987 weights	1.6						-13.6	
Benchmark-years weights									Chain-type annual weights Benchmark-years weights								
Price indexes:									Price indexes:				1				
Fixed 1987 weights Chain-type annual weights	2.3				1.3		.1	0	Fixed 1987 weights Chain-type annual weights						1.3		1
Benchmark-years weights									Benchmark-years weights								
Nonresidential:									National defense:								1
Current dollars	2.9	-6.3	-7.2	~16.1	-3.8	-5.5	-5.6	-2.7	Current dollars	4.5	3.2	12.8	15.4	-4.6	~7.2	-13.3	5.2
Quantity indexes:		6.0	77	-17.4		-3.7	_2 4	-1.5	Quantity indexes:	ار		E 0	100	3.0	١	15.7	4.0
Fixed 1987 weights Chain-type annual weights	1.2			-17.4	-3.3		-3.4	-1.5	Fixed 1987 weights Chain-type annual weights		0	5.9	10.9	-3.3	-8.9	-15.7	-1.6
Benchmark-years weights									Benchmark-years weights								
Price indexes:					-,		-	اما	Price indexes:	4.	20		ا	-		4.0	60
Fixed 1987 weights Chain-type annual weights	2.3				.7		.7		Fixed 1987 weights Chain-type annual weights						1.2		
Chairtype ailliual neights									Benchmark-years weights	l		l	**********				

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

[Percent]

			Sea	sonally	adjuste	d at an	nual rai	tes
	1990	1991	1990		19	91		1992
			10	1	-	111	IV	
Nondefense:								
Current dollarsQuantity indexes:	9.9	9.1	1.1	20.0	16.0	-3.5	-5.1	20.6
Fixed 1987 weights	5.5	3.9	.8	6.9	14.0	-5.9	-7.8	13.2
Chain-type annual weights Benchmark-years weights								
Price indexes:	4.0	4.0	4.0	40.4	0.0	4.7	4 7	
Fixed 1987 weights Chain-type annual weights	4.3	4.8	4.0	10.4	2.8	1.7	1.7	8.4
Benchmark-years weights								
State and local: Current dollars	8.4	3.9	10.2		2.0	2.4	2.1	4.3
Quantity indexes:		3.9	10.2	.4		2.4		4.3
Fixed 1987 weights Chain-type annual weights	4.4	.7	4.6	~1.9	7	1	.8	3.2
Benchmark-years weights								**********
Price indexes: Fixed 1987 weights	3.9	3.2	5.5	2.2	2.7	2.5	1.3	1.1
Chain-type annual weights								
Benchmark-years weights				•••••	**********			•
Addenda: Final sales of domestic product:	}							
Current dollars	5.9	3.2	2.7	2.5	4.4	1.6	1.5	7.8
Quantity indexes: Fixed 1987 weights	1.7	5	3	-2.4	1.2	7	2	4.8
Chain-type annual weights Benchmark-years weights				,				
Price indexes:				**********				**********
Fixed 1987 weights Chain-type annual weights	4.3	3.9	3.0	5.4	3.4	2.6	2.1	3.1
Benchmark-years weights								
Gross domestic purchases:								
Current dollarsQuantity indexes:	4.9	2.1	-1.3	6	3.2	5.5	1.7	4.3
Fixed 1987 weights	.5	-1.3	-6.5	-3.5	.9	3.4	4	1.7
Chain-type annual weights Benchmark-years weights								
Price indexes: Fixed 1987 weights	4.5	3.6	5.8	3.2	2.4	2.5	2.2	2.7
Chain-type annual weights	4.5	3.0	3.0	J.Z	2.4			<u>2.1</u>
Benchmark-years weights								
Final sales to domestic purchasers: Current dollars	5.6	2.4	2.3	4	3.0	3.1	1.0	7.1
Quantity indexes:	1							
Fixed 1987 weights Chain-type annual weights	1.1	-1.1	~3.0	3.4	.7	.8	-1.0	4.5
Benchmark-years weights								
Price indexes: Fixed 1987 weights	4.5	3.6	5.6	3.2	2.4	2.5	2.2	2.7
Chain-type annual weights Benchmark-years weights								
Gross national product:								
Current dollars	5.3	2.9	.5	2.1	3.5	4.3	2.2	
Quantity indexes: Fixed 1987 weights	1.1	7	-2.5	-2.8	.3	2.0	.4	
Chain-type annual weights Benchmark-years weights								
Price indexes:			**********	_			_	**********
Fixed 1987 weights Chain-type annual weights	4.3	3.9	3.2	5.4	3.3	2.6	2.1	
Benchmark-years weights								
Command-basis gross national								
product: Quantity index, fixed 1987 weights	.8	5	-4.7	-1.0	1.2	2.1	.1	
Disposable personal income:	"							
Current dollars	7.1	3.9	4.5	1.3 -1.7	5.6 2.6	3.0 .3	3.7 .9	6.0
1987 dollars	1.9	1	~2.0	-1.7	2.0	د	.9	3.0

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

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

[Dollars]

	1990	1991	1990 IV	Seasona	lly adjuste		al rates	
	1990	1991			199	31		
			11/			71		1992
			IV	1	11	131	10	i
Current dollars:								
Gross domestic product	22,056	22,450	22,135	22,206	22,406	22,567	22,620	22,837
product	22,099 18,720	22,502 19,133	22,237 18,977	22,296 18,944	22,438 19,110	22,610 19,184	22,664 19,292	19,483
personal income Personal	16,236	16,695	16,479	16,492	16,678	16,752	16,855	17,058
consumption expenditures Durable goods Nondurable	14,971 1,864	15,392 1,762	15,183 1,800	15,208 1,751	15,334 1,744	15,481 1,790	15,542 1,763	15,817 1,841
goods Services	4,871 8,236	4,955 8,675	4,964 8,418	4,952 8,505	4,966 8,624	4,970 8,720	4,931 8,849	4,996 8,980
Constant (1987) dollars:								
Gross domestic product	19,540	19,190	19,337	19,166	19,188	19,221	19,185	19,231
product Disposable	19,579	19,235	19,428	19,245	19,216	19,258	19,222	••••••
personal income Personal	14,154	13,990	14,058	13,965	14,022	13,992	13,981	14,049
consumption expenditures Durable goods Nondurable	13,051 1,756	12,898 1,633	12,952 1,689	12,877 1,632	12,892 1,621	12,930 1,653	12,891 1,624	13,027 1,690
goods Services	4,203 7,092	4,128 7,137	4,161 7,102	4,148 7,097	4,147 7,124	4,135 7,142	4,082 7,185	4,118 7,219
Population (mid- period,								
thousands)	249,992	252,676	251,074	251,689	252,281	252,990	253,742	254,381

Table 8.3.—Auto Output

[Billions of dollars]

	Seasonally adjusted at annual ra							
	1990	1991	1990		19	91		1992
			IV	l	11	III	IV	ļ
Auto output	130.3	118.0	118.5	109.8	115.5	125.2	121.4	122.2
Final sales Personal consumption expenditures New autos Net purchases of used autos Producers' durable equipment New autos Net purchases of used autos Net exports Exports Imports Government purchases	135.0 132.4 96.6 35.8 35.5 55.0 -19.6 -35.4 10.5 45.9 2.5	115.5 79.5 36.0 37.3 59.3 -22.0	125.4 89.7 35.7 36.1 55.8 -19.7 -38.3	115.0 78.4 36.7 35.3 55.5 -20.2 -35.7 10.5	112.1 78.2 33.9 37.4 59.6 22.2 29.9 11.7	117.7 79.0 38.7 39.9 64.7 -24.7 -36.8 14.3	117.1 82.4 34.7 36.5 57.2 -20.7 -32.6 12.9 45.4	34.8 35.7 54.7 -18.9 -31.4 13.0 44.4
Change in business inventories of new and used autos New	-4.7 -4.2 6 99.7 59.3	-3.1 -3.8 .7 94.0 54.0	-6.9 7	-7.0	-8.2 2.2 89.4	2.1 .4	-1.3 -2.0 .7 97.7 51.9	-6.1 -1.3 95.6

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

Table 8.5.—Truck Output

[Billions of dollars]

Truck output 1	72.8	67.7	67.1	56.8	68.2	72.3	73.6	76.9
Final sales	73.8	69.2	69.6	65.6	69.3	70.8	71.1	70.6
Personal consumption expenditures	39.5	35.7	35.9	32.8	34.2	38.3	37.5	38.0
Producers' durable equipment	33.4	31.4	32.7	29.4	30.4	31.4	34.5	32.9
Net exports	-5.4	-3.8	~4.2	-3.5	-2.6	-4.2	~5.0	-6.1
Exports	4.2	5.3	4.5	4.5	5.8	5.3	5.3	4.6
Imports	9.6	9.1	8.7	8.0	8.4	9.5	10.3	10.7
Government purchases	6.3	5.9	5.3	6.8	7.3	5.4	4.1	5.8
Change in business inventories	-1.0	1.5	-2.5	-8.8	-1.1	1.4	2.5	6.3

^{1.} Includes new trucks only.

Table 8.4.—Auto Output in Constant Dollars

[Billions of 1987 dollars]

			Sea	asonally	adjuste	ed at ar	inual ra	tes
	1990	1991	1990	990 1991				
			IV	ı	11	MI	IV	-
Auto output	121.1	106.0	110.7	99.3	104.5	112.3	107.8	108.9
Final sales Personal consumption expenditures New autos Net purchases of used autos Producers' durable equipment New autos Net purchases of used autos Net exports Exports Imports Government purchases	126.5 124.9 91.5 33.4 33.1 52.1 -19.0 -33.8 9.7 43.6 2.3	105.8 72.6 33.2 32.9 54.1 -21.2 -31.1 10.9	84.7	106.8 72.2 34.5 31.4 51.2 -19.8 -32.6 9.3	103.1 71.5 31.6 32.9 54.5 -21.6 -27.9 10.3	35.3 35.3 58.9 -23.6 -34.4 12.5	106.2 74.8 31.4 32.2 51.9 -19.7 -29.6 11.3	112.0 80.1 32.0 31.1 49.4 -18.4 -28.4 11.3
Change in business inventories of new and used autos New	- 5.3 -4.8 5	-3.5	- 8.6 -8.0 6	- 8.7 -8.1 6	- 5.2 -7.4 2.2		- 2.4 -3.2	
Addenda: Domestic output of new autos ¹ Sales of imported new autos ²	93.5 56.2	84.9 49.3	83.5 55.2	78.4 46.4	81.2 51.0	92.6 52.6	87.6 47.1	85.4 49.6

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

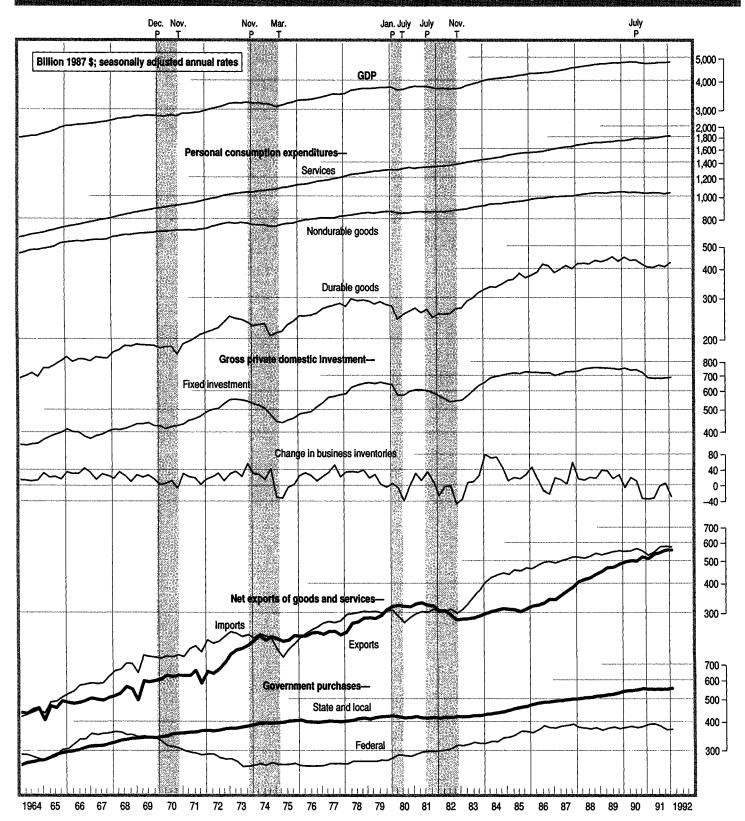
Table 8.6.—Truck Output in Constant Dollars

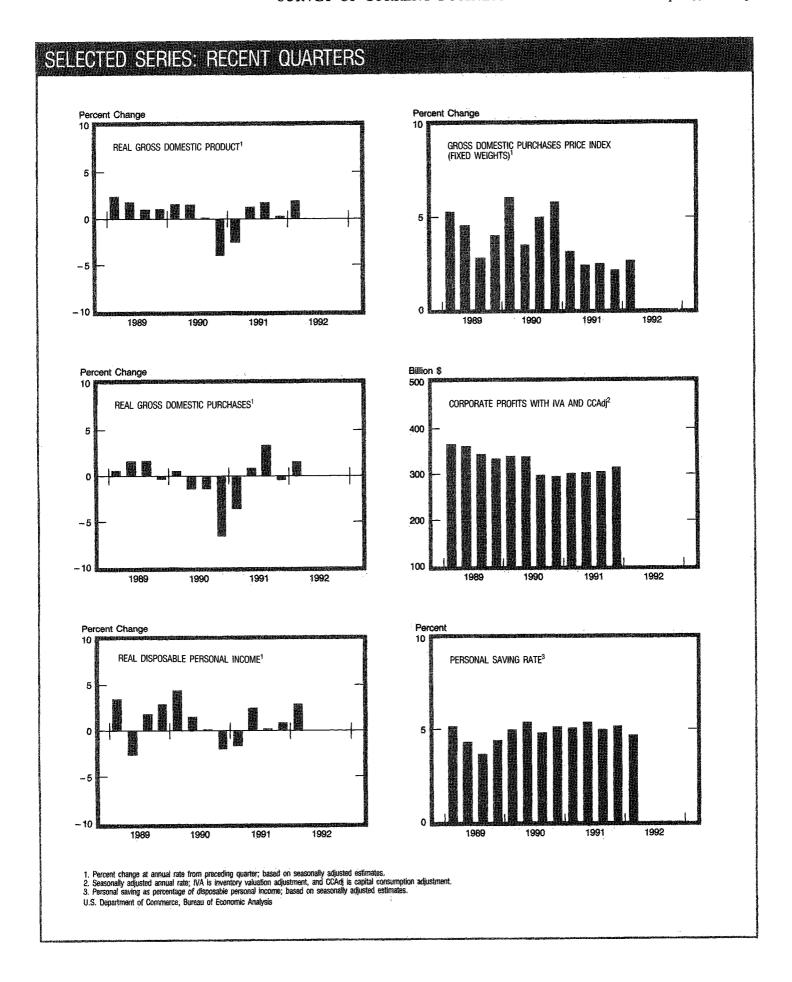
Truck output 1	67.4	60.4	61.2	51.2	61.7	64.1	64.6	66.9
Final sales Personal consumption expenditures Producers' durable equipment Net exports Exports Imports	68.3 36.5 30.9 -5.0 3.9 8.9	61.8 31.5 28.1 -3.2 4.7 7.9	32.7 29.9	29.3	30.4 27.6	33.6 28.1 -3.7	62.4 32.8 30.3 -4.3 4.7 9.0	61.5 33.0 28.7 -5.3 4.0 9.3
Government purchases	5.8 -1.0	5.3 - 1.3	4.8	6.1	6.6	4.8 1.3	3.6	5.0 5.4

^{1.} Includes new trucks only.

NIPA Charts

REAL GDP AND ITS COMPONENTS: TRENDS AND CYCLES





Errata National Income and Product Accounts

"National Income and Product Accounts Tables, 1987-90," which appeared in the January 1992 Survey of Current Business, contained several errors in addition to those identified in the February 1992 Survey. The "Summary National Income and Product Series" that appeared in the February 1992 Survey also contained several errors. The corrected estimates are provided below.

Corrections to tables in the January Survey:

Table 2.9.—Personal Income and Its Disposition

		Billions of dollars		1			Billions of dollars		
Year and month	Persona	l outlays		Personal saving as a percentage	Year and month	Persona	i outlays		Personal saving as a percentage
real and monut	Total	Personal transfer payments to for- eigners (net)	Personal saving	of disposable in- come ¹	Tear and monut	Tota!	Personal transfer payments to for- eigners (net)	Personal saving	of disposable in- come 1
1987	3,147.5 3,392.5 3,622.4 3,853.1 3,010.4 3,075.7 3,086.0 3,111.4 3,120.0 3,145.2	3.0 2.7 2.9 2.9 2.8 2.8 2.8 3.1 3.1 3.1	142.0 155.7 166.1 205.8 203.7 176.2 173.5 33.0 140.8 121.6	4.3 4.4 4.4 5.1 5.2 5.7 4.0 3.1 3.9 3.5	January	3,531.6 3,538.7 3,539.2 3,581.7 3,697.1 3,632.9 3,672.9 3,675.3 3,695.7	2.6 2.6 3.0 3.0 2.9 2.9 2.9	160.9 198.6 219.6 151.3 161.6 167.2 158.5 131.5 134.2 163.1	4.6 5.2 5.1 4.7 4.3 4.3 4.0 3.7 3.7 4.2
August	3,201.0 3,194.7 3,204.0 3,213.5 3,242.7	3.1 3.1 3.1 3.1 3.1 3.1	102.4 124.8 178.5 156.8 174.1	3.5 4.1 4.6 5.0 4.7	December 1990 January	3,732.9 3,767.6	3.1 3.1 3.0	166.4 171.9	4.4 4.4 4.5
January February March April May June July August September October November December	3,278.1 3,285.2 3,321.1 3,324.0 3,355.7 3,487.5 3,406.0 3,427.8 3,434.7 3,478.4 3,491.5 3,520.3	2.9 2.9 2.4 2.4 2.6 2.6 2.7 2.7	150.4 172.8 162.9 148.5 155.0 152.0 152.5 146.9 157.9 173.8 145.5	4.8 4.7 4.6 4.5 4.3 4.2 4.3 4.4 4.4 4.3	February March Apri May June July August September October November December	3,774.9 3,789.8 3,796.4 3,805.4 3,846.7 3,871.6 3,893.3 3,923.6 3,917.8 3,922.9 3,926.8	3.0 2.6 2.6 3.3 3.3 2.9 2.9	199.2 218.7 218.0 217.8 205.1 192.2 189.6 196.4 215.4 233.1	4.9 5.3 5.4 5.2 5.0 4.8 4.7 4.9 5.2 5.5

^{1.} Monthly estimates equal the 3-month moving average of personal saving as a percentage of the 3-month moving average of disposable personal income.

Table 8.18.—Imputations in the National Income and Product Accounts

[Billions of dollars]

	1987	1988	1989	1990
Line 69, Personal taxes, outlays, and saving	3,802.0	4,075.9	4,380.2	4,679.8
Line 71, Excluding imputations (69–70)	3,591.3	3,844.5	4,143.6	4,422.8
Line 78, Personal outlays	3,147.5	3,392.5	3,622.4	3,853.1
	2,996.1	3,221.9	3,430.9	3,626.2
Line 81, Personal savingLine 83, Excluding imputations (81–82)	142.0	155.7	166.1	205.8
	25.9	34.9	53.6	103.4
Line 84, Gross investment, or gross saving and statistical discrepancy	594.2	675.6	740.7	719.0
	384.4	454.6	516.5	502.8

Table 9.5.—Foreign Transactions in the National Income and Product Accounts, Quarterly Totals Not Seasonally Adjusted
[Billions of dollars]

	1987			1988			1989				1990					
	1	II.	111	IV	· 1	II	!!!	IV	1	II	131	IV	1	11	EDI	IV
Line 12, Transfer payments (net) Line 13, From persons (net) Line 15, From business (net) Line 16, Net foreign investment	3.7 .8 .7 –32.9	3.6 .7 .7 -39.2	3.8 .8 .8 –43.3	5.5 .7 1.0 –39.7	.9	3.6 .5 1.2 –28.3	3.9 .7 1.0 –32.3	6.1 .6 1.5 –30.9	4.4 .8 1.1 –20.1	3.6 .6 1.2 –23.6	4.4 .8 1.0 –29.3	5.8 .7 1.2 –23.8	4.7 1.0 1.0 –16.1	5.1 .5 1.2 –18.8	4.9 .8 1.1 -29.2	5.3 .6 1.2 –19.5

Corrections to tables in the February Survey: The corrections are to the constant (1987) dollar estimates for 1959 through 1971. Percent changes for 1972 and 1972:1 are also affected.

Table 2.—Gross Domestic Product in Constant Dollars

[Billions of dollars; quarterly data are seasonally adjusted at annual rates]

	, -	Governmen	t purchases	First rates of		Gross national product	P	ercent change fro	m preceding perio	i t
Year and quarter	GDP	Total	Federal	Final sales of domestic prod- uct	Gross domestic purchases		GDP	Final sales of domestic prod- uct	Gross domestic purchases	GNP
1959	1,928.8	475.3	265.7	1,915.2	1,950.6	1,939.6				
1960	1,970.8	476.9	259.0	1,962.7	1,978.5	1,982.8	2.2	2.5	1.4	2.2
	2,023.8	501.5	270.1	2,016.6	2,029.3	2,037.1	2.7	2.7	2.6	2.7
	2,128.1	524.2	287.3	2,112.5	2,138.6	2,143.3	5.2	4.8	5.4	5.2
	2,215.6	536.3	285.7	2,199.6	2,221.4	2,231.9	4.1	4.1	3.9	4.1
	2,340.6	549.1	281.8	2,324.9	2,338.1	2,358.2	5.6	5.7	5.3	5.7
1965	2,470.5	566.9	282.1	2,445.4	2,476.9	2,489.0	5.5	5.2	5.9	5.5
	2,616.2	622.4	319.3	2,579.5	2,634.2	2,633.2	5.9	5.5	6.4	5.8
	2,685.2	667.9	350.9	2,657.5	2,708.9	2,702.6	2.6	3.0	2.8	2.6
	2,796.9	686.8	353.1	2,773.2	2,834.4	2,815.7	4.2	4.4	4.6	4.2
	2,873.0	682.0	340.1	2,848.2	2,914.5	2,890.9	2.7	2.7	2.8	2.7
1970	2,873.9	665.8	315.0	2,868.0	2,909.1	2,891.6	0	.7	2	0
1971	2,955.9	652.4	290.8	2,935.2	3,001.8	2,976.0	2.9	2.3	3.2	2.9
1972	3,107.1	653.0	284.4	3,084.5	3,163.6	3,128.8	5.1	5.1	5.4	5.1
1959: I	1,904.9 1,937.5 1,930.8 1,941.9	476.1 478.2 474.9 471.9	266.4 268.4 265.0 262.8	1,889.4 1,913.1 1,930.3 1,928.0	1,926.3 1,962.5 1,951.1 1,962.4	1,915.1 1,947.7 1,941.8 1,953.6	7.0 -1.4 2.3	5.1 3.6 5	7.7 -2.3 2.3	7.0 -1.2 2.5
1960: I	1,976.9	466.8	254.9	1,947.3	1,990.3	1,988.1	7.4	4.1	5.8	7.3
	1,971.7	473.7	257.3	1,964.5	1,982.1	1,983.3	-1.0	3.6	1.6	1.0
	1,973.7	479.9	259.5	1,962.1	1,979.3	1,985.8	.4	5	6	.5
	1,961.1	487.2	264.3	1,977.0	1,962.3	1,974.0	-2.5	3.1	3.4	2.4
1961: I	1,977.4	493.7	263.8	1,985.9	1,978.2	1,991.1	3.4	1.8	3.3	3.5
	2,006.0	496.6	268.3	2,003.5	2,012.0	2,018.9	5.9	3.6	7.0	5.7
	2,035.2	500.7	269.7	2,016.7	2,041.9	2,048.4	6.0	2.7	6.1	6.0
	2,076.5	515.1	278.6	2,060.2	2,084.9	2,090.1	8.4	8.9	8.7	8.4
1962:	2,103.8	520.8	286.8	2,080.5	2,115.7	2,117.3	5.4	4.0	6.0	5.3
	2,125.7	524.4	289.1	2,111.5	2,133.5	2,140.6	4.2	6.1	3.4	4.5
	2,142.6	526.0	288.1	2,125.2	2,151.5	2,157.7	3.2	2.6	3.4	3.2
	2,140.2	525.3	285.1	2,132.8	2,153.7	2,157.7	4	1.4	.4	0
1963: I II III	2,170.9 2,199.5 2,237.6 2,254.5	528.1 532.9 543.6 540.6	283.4 285.9 290.0 283.4	2,149.6 2,184.6 2,220.9 2,243.3	2,181.3 2,204.7 2,243.6 2,256.1	2,187.4 2,215.3 2,253.6 2,271.1	5.9 5.4 7.1 3.1	3.2 6.7 6.8 4.1	5.2 4.4 7.2 2.2	5.6 5.2 7.1 3.1
1964: I	2,311.1	546.4	285.3	2,294.2	2,306.5	2,329.3	10.4	9.4	9.2	10.7
	2,329.9	551.6	285.1	2,314.5	2,328.8	2,347.3	3.3	3.6	3.9	3.1
	2,357.4	549.8	280.5	2,343.5	2,354.9	2,375.4	4.8	5.1	4.6	4.9
	2,364.0	548.4	276.2	2,347.6	2,362.1	2,380.6	1.1	.7	1.2	.9
1965:	2,410.1	546.6	272.3	2,376.1	2,417.6	2,429.2	8.0	4.9	9.7	8.4
	2,442.8	559.3	277.8	2,419.4	2,447.7	2,462.5	5.5	7.5	5.1	5.6
	2,485.5	572.1	282.7	2,460.9	2,493.3	2,503.8	7.2	7.0	7.7	6.9
	2,543.8	589.6	295.8	2,525.1	2,549.1	2,560.3	9.7	10.9	9.3	9.3
1966: I	2,596.8	599.0	301.1	2,560.7	2,608.1	2,613.9	8.6	5.8	9.6	8.6
	2,601.4	615.4	315.3	2,569.3	2,617.4	2,618.5	.7	1.4	1.4	.7
	2,626.1	631.8	328.5	2,593.2	2,648.9	2,642.8	3.9	3.8	4.9	3.8
	2,640.5	643.2	332.3	2,594.8	2,662.2	2,657.9	2.2	.2	2.0	2.3
1967:	2,657.2	665.8	351.8	2,622.9	2,677.7	2,674.3	2.6	4.4	2.3	2.5
	2,669.0	663.2	347.7	2,651.2	2,690.1	2,685.5	1.8	4.4	1.9	1.7
	2,699.5	668.7	352.0	2,667.9	2,723.0	2,717.9	4.6	2.5	5.0	4.9
	2,715.1	673.9	352.2	2,688.3	2,744.8	2,732.9	2.3	3.1	3.2	2.2
1968: I	2,752.1	682.9	356.4	2,732.1	2,788.8	2,770.3	5.6	6.7	6.6	5.6
	2,796.9	688.7	355.9	2,760.9	2,832.6	2,815.6	6.7	4.3	6.4	6.7
	2,816.8	686.7	350.3	2,790.3	2,854.2	2,836.0	2.9	4.3	3.1	2.9
	2,821.7	688.8	349.7	2,809.6	2,861.8	2,840.7	.7	2.8	1.1	.7
1969: I II III	2,864.6 2,867.8 2,884.5 2,875.1	682.6 686.3 681.7 677.3	342.2 343.5 339.3 335.4	2,835.8 2,844.1 2,856.3 2,856.6	2,903.5 2,912.0 2,927.7 2,914.8	2,883.6 2,886.0 2,901.7 2,892.3	6.2 .4 2.3 -1.3	3.8 1.2 1.7 0	6.0 1.2 2.2 -1.8	6.2 .3 2.2 –1.3
1970: l II III	2,867.8 2,859.5 2,895.0 2,873.3	671.5 662.2 665.3 664.4	326.3 315.1 310.9 307.5	2,862.8 2,851.1 2,880.6 2,877.3	2,903.8 2,893.4 2,929.4 2,909.7	2,885.6 2,877.9 2,913.1 2,889.7	-1.0 1.2 5.1 -3.0	.9 -1.6 4.2 5	-1.5 -1.4 5.1 -2.7	9 -1.1 5.0 -3.2
1971: 	2,939.9 2,944.2 2,962.3 2,977.3	656.1 653.3 650.4 649.7	297.7 292.7 289.3 283.6	2,908.0 2,920.5 2,940.3 2,971.8	2,973.8 2,993.0 3,009.3 3,031.1	2,959.8 2,965.4 2,981.3 2,997.5	9.6 .6 2.5 2.0	4.3 1.7 2.7 4.4	9.1 2.6 2.2 2.9	10.1 .8 2.2 2.2
1972:	3,037.3	657.9	290.7	3,018.9	3,098.5	3,058.4	8.3	6.5	9.2	8.4

NOTE.—GDP=Gross domestic product; GNP=Gross national product

Alternative Measures of Change in Real Output and Prices

By Allan H. Young

This article and the one that follows it, "Economic Theory and BEA's Alternative Quantity and Price Indexes," present results of BEA's work on alternative measures of production and prices. These measures, which are designed to supplement BEA's featured fixed-weighted measures, were first described in "Alternative Measures of Real GNP" in the April 1989 SURVEY OF CURRENT BUSINESS; in that article, BEA stated that it would develop the alternative measures as part of the next comprehensive revision of the national income and product accounts.

MAJOR INNOVATION in the recent comprehensive revision of the national income and product accounts (NIPA'S) was the development of alternative measures of real gross domestic product (GDP) and of GDP prices. This article describes these measures and provides annual estimates for the period from 1959 to 1990. Later this year, BEA expects to provide quarterly estimates of the alternative measures.

BEA now features real GDP calculated in 1987 prices as its measure of real output. Before the comprehensive revision, the featured measure was real gross national product (GNP) calculated in 1982 prices. However, for reasons set forth in this article, no single measure of real GDP can be considered sufficient for all analytical applications.

BEA first introduced an alternative measure of real output in 1989, when real GNP calculated in 1987 prices was presented as an alternative to real GNP calculated in 1982 prices.² This alternative provided a preview of the use of 1987 prices to value real output in the comprehensive revision. BEA also announced that it was conducting research into alternative measures that would not

In general, a fixed-weighted measure of real output based on the prices of a more recent year increases less than one based on prices of an earlier year. This property, which has often been observed in index number construction, exists because the commodities for which output grows rapidly tend to be those for which prices increase slowly or decrease (and, conversely, the commodities for which output grows slowly tend to be those for which prices increase rapidly). Thus, when real output is recalculated using more recent prices, the commodities with strong output growth receive less weight, lowering the growth rate of the aggregate.³

This property has always been recognized as a problem in long-term comparisons of real output. However, until recently, the difference in the effect of using one set of prices rather than another in measuring real GDP in the United States

Acknowledgments

Robert P. Parker and Jack E. Triplett made major contributions to the development and preparation of this article. Development of the database for the alternative measures involved the efforts of many staff members in the Government Division and the National Income and Wealth Division. G. Christian Ehemann, assisted by Mary W. Hook and Jennifer M. Wu, was in charge of the major task of directing the assembling of the database and the preparation of the alternative measures of real GDP and GDP prices. Michael F. Mohr directed the preparation of the indexes of manufacturing gross product shown in the box. Shelby A. Herman contributed to the review of the database. Martin A. Marimont provided helpful comments and suggestions. Teresa A. Price provided secretarial assistance.

be based on the fixed price weights of a single year.

^{3.} In considering whether the price of a commodity has increased more or less rapidly than prices of other commodities from one period to another, it is necessary to restate the price weights of the commodities for one of the two periods so that they reflect the same quantities as the weights for the other period. For example, to compare the price of a commodity in 1982 with the price in 1987, output shares in 1982 valued in 1982 and 1987 prices may be compared. It would be incorrect to compare the current-dollar output share in 1987 because such comparisons are affected by changes in both prices and quantities.

^{1.} Depending on the context, real GDP is described in this article in two different but equivalent ways: As the sum of detailed quantities valued in base-year prices, and as the weighted sum of detailed quantity relatives (indexes), where the weights, which are referred to as price weights, are shares of current-dollar output in the base year. Footnote 12 in the appendix to this article, "A Note on Alternative Measures of Real GDP" provides several equivalent algebraic formulations for real GDP.

^{2.} See Allan H. Young, "Alternative Measures of Real GNP," SURVEY OF CURRENT BUSINESS 69 (April 1989): 27-34.

had generally been considered small enough to be safely ignored. The simplicity of an output measure in which the prices of a single year were used to value real GDP for all years was considered to outweigh any advantage provided either by presenting alternative measures based on prices of other years or by using more complex approaches to weighting.

Two situations have contributed to a change in this view. First, beginning in the 1970's, changes in the prices and quantities of the energy and food components of GDP have been large enough in certain periods to make the measurement of the change in real GDP sensitive to the choice of price weights. However, to some extent these price and quantity movements reversed direction in later periods, moderating the effects on measured long-term growth.

Second, since the introduction of BEA's price index for computers in the 1985 comprehensive revision, changes in the prices and quantities of computers have been large enough to make the measurement of the change in real GDP quite sensitive to the choice of price weights. For example, over the period 1982 to 1987, business expenditures on computers and peripheral equipment in 1987 prices increased over 300 percent, while computer prices declined 60 percent. Consequently, computers receive a lower valuation when real GDP is calculated in 1987 prices than when calculated in 1982 prices; for this reason, they contribute about 1.5 percentage points less to the growth from 1982 to 1987 in real GDP in 1987 prices than in 1982 prices.

In addition, if improved measures of prices of high-tech goods other than computers (and of high-tech services) are developed in the future, they may show larger declines or smaller increases in prices than the price indexes now used in the deflation of these commodities. If so, the effect of the selection of price weights on the calculation of real gdp may become greater still.

Real GDP Measures

In this article, BEA's featured measure of real GDP is shown as a fixed-weighted quantity index in which the weights are 1987 prices. This index multiplied by the 1987 value of current-dollar GDP is equal to real GDP in constant 1987 dollars—the form of real GDP customarily presented in the NIPA charts and tables. The two series are identical in terms of percent changes. Showing the featured measure in index form facilitates com-

parisons with the two alternative measures of real GDP introduced in this article.

Unlike the fixed-weighted measure, the two alternative measures of real GDP introduced in this article are not based on the price weights of a single base year: In one, the weights change each year; in the other, the weights change each benchmark year—that is, at about 5-year intervals. The first index is referred to as the chain-type annual-weighted quantity index; the second, as the benchmark-years-weighted quantity index.⁴ (The alternative quantity indexes are presented in table 2 at the end of this article.)

These alternative indexes use the Fisher Ideal index formula to provide a measure of change between two periods.⁵ A Fisher Ideal quantity index is a geometric mean of a Laspeyres and a Paasche quantity index. The Laspeyres quantity index uses the prices of the first of the two periods being compared to weight quantities. The Paasche quantity index uses the prices of the second period. Given that the Fisher Ideal index is a geometric mean, the change in the Fisher Ideal index falls between the changes in the Paasche and Laspeyres indexes.⁶

BEA expects to introduce a third alternative in 1993: A fixed-weighted quantity index with 1992 prices as weights. If, in the comprehensive revision of the mid-1990's, BEA continues to feature real GDP calculated in the prices of a given year, the price weights are likely to be those for 1992.

$$\begin{aligned} Q_2^l &= \frac{\sum p_1 q_2}{\sum p_1 q_1}, \\ Q_2^p &= \frac{\sum p_2 q_2}{\sum p_2 q_1}, \text{ and} \\ Q_2^f &= \sqrt{\frac{\sum p_1 q_2}{\sum p_1 q_1}} \times \frac{\sum p_2 q_2}{\sum p_2 q_1}. \end{aligned}$$

The growth rate from period 1 to period 2 is $100(Q_2^f/Q_1^f-1.0)=100(Q_2^f-1.0)$.

^{4.} The concept of the benchmark-years-weighted quantity index was developed by Jack Triplett, Chief Economist at BEA. He has referred to such an index as the "Time-series Generalized Fisher Ideal Index." See Jack E. Triplett, "Superlative and Quasi-Superlative Indexes of Price and Output for Investment Goods: Office, Computer, and Accounting Machinery," BEA Discussion Paper No. 40 (presented at a National Bureau of Economic Research Summer Workshop, Boston, MA, July 1988). Copies may be obtained from the author.

^{5.} The Fisher Ideal index was one of many index formulas examined by Irving Fisher in *The Making of Index Numbers*, New York: Houghton Mifflin Company, 1922.

^{6.} The Fisher Ideal quantity index formula is $Q^f = \sqrt{Q^l \times Q^p}$, where Q^l is the Laspeyres quantity index and Q^p the Paasche quantity index. For the first period, $Q_1^l = Q_1^p = \sum p_1 q_1 / \sum p_1 q_1 = 1.0$, and $Q_1^f = 1.0$, where the p's and q's represent prices and quantities. For the second period,

Gross Product by Industry: A Preview

When BEA revises the gross product by industry estimates to make them consistent with the comprehensive revision of the NIPA's, estimates of real gross product by industry will be calculated using fixed 1987 price weights. Updating the fixed weights from 1982 to 1987 will have the largest impact on manufacturing—specifically, on the nonelectrical machinery industry, in which computers and peripheral equipment are produced. BEA will also prepare alternative estimates of real gross product by industry using benchmark-years weights. (BEA does not plan to calculate chain-type annual-weighted indexes—the other alternative measure presented in the article—for real gross product by industry, because less product detail is available annually than for benchmark years.)

Because of the substantial change in the relative price structure—traceable largely to the declining prices of computers and

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

	Fixe	Benchmark- years-weight-			
	1977 weights	1982 weights	1987 weights	ed index	
1977–87 1977–82 1982–87	4.7 .8 8.8	2.6 7 6.0	1.6 -1.3 4.5	2.6 .1 5.2	

Note.—With fixed-weighted indexes, real gross product is obtained by the double deflation method as the difference between real gross output and real intermediate inputs. For the benchmark-years-weighted quantity index, the following relationship was used to obtain the gross product index: $(I_{GPO})^6 ? = I_{GO}/(I_{II})^6 1, \text{ where } I_{GPO} \text{ is the derived benchmark-years-weighted index of gross product, } I_{GI} \text{ is a benchmark-years-weighted quantity index of gross output, } I_{II} \text{ is a benchmark-years-weighted quantity index of intermediate input, and <math display="inline">\theta_2$ are the average current-dollar shares of gross output accounted for by intermediate inputs and value added. Use of this relationship provides a close approximation to a benchmark-years-weighted quantity index.

peripheral equipment—the use of fixed 1987 price weights for the gross product by industry series will not adequately portray the course of manufacturing in the late 1970's or early 1980's. Likewise, use of fixed 1977 or fixed 1982 price weights will not adequately portray manufacturing in the late 1980's. The benchmark-years-weighted index, which allows for change in the relative price structure, will present a more accurate picture.

Exhibit 1 shows the differences in growth rates for manufacturing that result from the use of prices of either 1977, 1982, or 1987 as fixed weights in calculating an index of real manufacturing gross product. The exhibit also shows the growth rates that result from the use of benchmark-year prices as weights. The index based on 1982 price weights essentially corresponds to the 1982 dollar series released in April 1991, before the comprehensive revision of the NIPA'S (it incorporates small revisions that have little effect on the growth rates). The other three indexes are calculated from the same price and quantity information as used for the 1982 dollar series. When the gross product by industry indexes are revised, the growth rates may differ from those in the exhibit; however, the pattern of differences in growth rates will remain about the same.

The lack of additivity of the benchmark-years-weighted quantity index may present a problem to some users of the gross product by industry series. Within the framework of the benchmark-years-weighted quantity indexes, it may not be possible to calculate, in an exact sense, a time series for manufacturing as a share of total output. However, by comparing the growth rates of manufacturing with those of total GDP, it will be possible to determine whether manufacturing gross product increased more or less rapidly than total GDP.

Chain-type annual-weighted quantity index.—For this alternative, a Fisher Ideal quantity index is used to calculate the change from year t-1 to year t. Thus, the annual change is provided by the geometric mean of the year t values of two fixed-weighted quantity indexes, one of which uses prices of year t-1 as weights and the other, prices of year t as weights. Annual changes computed in this manner are "chained" (multiplied) together to form a time series.

Benchmark-years-weighted quantity index.—For this alternative, the Fisher Ideal index formula is adapted to use weights from two adjacent benchmark years, which are customarily 5 years apart. For each pair of adjacent benchmark years and the interval between them, two fixed-weighted quantity indexes are computed: One with the prices of the first benchmark year as weights, and the other with the prices of the second benchmark year. The geometric mean of these indexes is the benchmark-years-weighted quantity index. Cumulation of the annual changes

in the benchmark-years-weighted index is equal to the Fisher Ideal change calculated directly from one benchmark to the next. Benchmark years are used as weighting periods because, for components of GDP that incorporate information from the quinquennial economic censuses, the benchmark-year price and quantity estimates are considered to be more accurate than those for other years.

For 1982–87, the benchmark-years-weighted quantity index is the geometric mean of the fixed-weighted quantity index that uses 1987 prices as weights and the fixed-weighted quantity index that uses 1982 prices as weights. (Except for statistical and definitional revisions, this latter index corresponds to the fixed-weighted GDP measure used before the comprehensive revision in 1991.) For years beyond the most recent benchmark year, the benchmark-years-weighted quantity index is calculated as the geometric mean of the fixed-weighted quantity index that uses prices of the most recent benchmark year and the fixed-weighted quantity index that uses prices of the

most recent year. Thus, at present, for years beyond 1987, the index is calculated with 1987 and 1990 prices. Following the annual NIPA revision, the index will be recalculated using 1987 and 1991 prices. When prices for the next benchmark year, 1992, become available, the index will be recalculated using prices of the two benchmark years.

Considerations in selecting an appropriate index

A difference between two measures of real GDP is not evidence that one is wrong. A measure of real GDP is not composed of actual transactions that can, at least in principle, be added up from information obtained from transactors to obtain a single, correct total. A measure of real GDP is a construct in which transactions are valued by the compiler in terms of prices chosen, at least in part, arbitrarily. The worth of such a measure lies in whether or not it proves useful in analysis. Viewed in this way, there can be more than one useful measure.

The fixed-weighted quantity index has the advantage of simplicity. This simplicity is the result of three characteristics. First, the index formula itself is simple. Second, when the fixed-weight formula is applied to a fixed base year, it is possible to compare any two, or in fact any number of, periods on a consistent basis. Third, the index may be stated in terms of real dollars (by using only the numerator of the formula), making it possible to "add up" the components of real output and to compute "real dollar shares" of gdp for each component.

The disadvantage of a fixed-weighted quantity index lies in the fact that the relative price structure in the economy changes over time. For most purposes, a fixed-weighted quantity index can only be considered appropriate for comparisons in which both of the years being compared have relative price structures that are approximately the same as that of the base year. Thus, real GDP in 1987 prices may only be appropriate for assessing the performance of the economy in the years around 1987, when the relative price structure resembled that in 1987.

Whether the fixed-weighted index remains adequate for assessing the U.S. economy in the mid-1990's will depend on the extent to which the relative price structure changes. The two alternatives introduced in this article, as well as the rebased fixed-weighted measure to be introduced in 1993, will provide a basis for monitoring such changes; in the mid-1990's, each of them will re-

flect more recent price weights than the featured measure.

The two alternatives are designed to allow for change over time in the relative price structure of GDP. The annual chain-type index measures the performance of the economy from one year to the next in terms of the price structures of the 2 years involved in the comparison. The benchmarkyears index measures the performance of the economy between benchmark years in a similar fashion. The alternatives have the advantage that they portray as accurately as possible, that is, as accurately as any other indexes that could be calculated, the year-to-year or benchmarkto-benchmark changes in the economy over the entire period covered by the indexes. The disadvantage of these alternatives is that, because of the use of geometric means, they lack the additive property of the fixed-weighted index. Real GDP cannot be obtained by "adding up" its components; consequently, the contribution of each component to a given change in real GDP is not readily apparent.

One of the most interesting uses of the alternatives will be in business cycle analysis. One would expect that more useful analytical relationships will emerge from using the alternatives for such analyses; for example, one may find a closer correspondence between declines in the alternative measures of real GDP and declines in employment.

In selecting an index, it is useful to keep in mind that the estimates of the change in real gop are subject to several types of error. Particularly for current quarter-to-quarter changes, the net effect of such errors may be as large as, or larger than, differences arising from the use of one or another of the index formulas.

Index numbers in practice.—Other major indexes prepared by U.S. statistical agencies, such as the Bureau of Labor Statistics consumer price index and the Federal Reserve Board industrial production index, do not maintain the same fixed-weighted structure over all years. For example, in the consumer price index, the composition of the market basket is changed periodically. Although the index number formulas are not the same, the approaches to weighting taken in these other indexes tend to resemble that in the benchmark-years-weighted index.

In measuring real GDP, few countries follow the U.S. practice of using the Laspeyres index formula with the same fixed-weighted structure over all years. Among the countries surveyed for this article, Japan is the only one that essentially follows the U.S. practice. Australia, Canada, Germany, and the United Kingdom update price weights at about 5-year intervals. Real gdp is calculated for the 5-year interval using the Laspeyres index formula. The series is then extended back by linking on the data for previous years that incorporate earlier price weights. The Netherlands and Norway calculate an annual chain index of real gdp using annual price weights and the Laspeyres index formula; Canada provides such a measure as an alternative. France prepares two measures: In one, the price weights are updated at 10-year intervals; the other is an annual chain index.

Thus, with the exception of Japan, the surveyed countries use a chain-type procedure with the Laspeyres index formula, updating weights at 5-or 10-year intervals or annually. A characteristic of such procedures, as mentioned earlier, is that additivity is not maintained over all periods—that is, the components do not add to the total as in the U.S. measure. In order to provide additive results, some countries that link at 5- or 10-year intervals adjust either the total or the components for the earlier periods; other countries include an adjusting entry so that the components add to the total. Some of the countries do not provide additive results.

Why does BEA feature the fixed-weighted index?

The choice between the fixed-weighted measure and the alternative measures may be viewed as a choice between simplicity and accuracy as one moves away from the base period, with the extent of the gain in accuracy depending on the degree of change in the relative price structure as one moves away from the base year. Given this choice, one may ask why BEA continues to feature the fixed-weighted index. Several practical considerations entered into the decision.

First, users of the NIPA's have a substantial investment in the fixed-weighted measure in terms of knowledge and experience. Although users may come to prefer another measure, it seems best for any such change to be evolutionary.

Second, the differences between the featured and alternative measures may not be large enough to affect many types of analysis. Consistent use of one measure may very well lead to the same analytical results as consistent use of another measure. If experience shows that the differences are generally insignificant, the simplicity of the fixed-weighted index would constitute a strong argument for its retention as the featured measure. It seems best for both users and BEA to

gain such experience before considering whether another measure should be featured.

Third, BEA cannot currently prepare the alternative measures on the same schedule as the fixed-weighted measures. The computations underlying the alternatives, which are described later in the article, are substantial. Initially, BEA will calculate the alternative measures for the preliminary and final GDP estimates of the current quarter and present them in the SURVEY OF CURRENT BUSINESS; eventually, BEA probably will be able to prepare them for the advance GDP estimates and also to prepare them on a schedule that permits their inclusion in the news releases.

As the previous paragraphs suggest, experience with the alternatives may lead to a decision to feature a different measure of real GDP in the next comprehensive revision. That measure could be one of the alternatives presented in this article or a different measure. BEA expects to do further research on the selection of weights for measuring real GDP. Both the use of quarterly price weights in the chain-type index and the use of business cycle peak years in place of benchmark years as weights will be explored.

Comparison of real GDP measures

For 1959–87, the alternative indexes of real GDP show somewhat more rapid growth than the fixed-weighted index (chart 1 and table A). Both alternatives increase at an average annual rate of 3.4 percent, compared with 3.1 percent in the fixed-weighted index. For intervals between benchmark years, the largest differences occur in 1963–67, when the chain-type annual-weighted index increases an average 0.4 percentage point per year more than the fixed-weighted index, and the benchmark-years-weighted index increases 0.5 percentage point per year more. The smallest differences occur in 1982–87, when both alterna-

Table A.—Fixed-Weighted and Alternative Measures of Real GDP: Average Annual Rate of Change Over Selected Periods

		(Per	centj			
	Fixed- weighted index, 1987 weights	Chain- type an- nual- weighted index	Bench- mark- years- weighted index	Col. 2- col. 1	Col. 3- col. 1	Col. 3- col. 2
1959-87 1959-63 1963-67 1967-72 1972-77 1977-82 1982-87 1987-90	3.1 3.5 4.9 3.0 2.6 1.3 3.8 2.5	3.4 3.8 5.3 3.3 2.9 1.6 4.0 2.5	3.4 3.8 5.4 3.3 2.9 1.7 4.0 2.4	0.3 .3 .4 .3 .3 .3 .2 0	0.3 .5 .3 .3 .4 .2 1	0 0 .1 0 0 .1 0 1

tives increase 0.2 percentage point per year more than the fixed-weighted index.

On an annual basis, the differences between the changes in the fixed-weighted GDP index and the alternatives range up to 1.0 percentage point (see table 1 at the end of the article). The largest differences between the fixed-weighted index and the chain-type annual-weighted index occur in 1962 (0.9 percentage point), 1965 (0.9), 1973 (0.7), 1981 (0.7), and 1984 (0.8). The largest differences between the fixed-weighted index and the benchmark-years-weighted index occur in 1962

(0.9), 1965 (0.8), 1966 (0.7), 1977 (0.7), and 1981 (0.9).

For 1987–90, the benchmark-years-weighted index increases slightly less than the fixed-weighted index. The benchmark-years-weighted index increases at an average annual rate of 2.4 percent; both the fixed-weighted and the chain-type annual-weighted indexes increase 2.5 percent. On an annual basis, the differences are no larger than 0.1 percentage point.

For the major components of real GDP, the alternative indexes in general also show more rapid

Table B.—Fixed-Weighted and Alternative Measures of Real GDP and Its Major Components: Average Annual Rates of Change Over Selected Periods

[Percent]

	1959-87	1982-87	1987–90	1987–88	1988-89	1989-90		1959-87	1982–87	1987–90	1987-88	1988-89	1989-90
Gross domestic product: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.1 3.4 3.4	3.8 4.0 4.0	2.5 2.5 2.4	3.9 3.9 3.8	2.5 2.6 2.5	1.0 1.0 1.0	Merchandise: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	5.5 5.9 6.1	3.4 3.9 4.2	12.7 12.4 12.5	19.3 19.0 19.0	11.8 11.7 11.8	7.4 6.9 7.1
Personal consumption expenditures: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.5 3.6 3.6	4.0 4.1 4.2	2.2 2.2 2.2	3.6 3.6 3.5	1.9 1.9 1.9	-1.6 -1.9 -1.8	Services: Fixed 1987 weights Chain-type annual weights Benchmark-years weights Imports:	7.0 6.9 7.1	6.1 6.0 6.1	8.6 8.7 8.7	7.5 7.6 7.6	9.8 9.8 9.8	8.6 8.6 8.6
Durable goods: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.6 5.3 5.3	9.0 9.2 9.3	2.8 2.7 2.7	6.2 6.2 6.1	2.8 2.7 2.8	4 6 5	Fixed 1987 weights Chain-type annual weights Benchmark-years weights	6.1 5.9 6.1	10.8 10.4 10.9	3.2 *\C 2.9 \s 3.0	3.7 3.5 3.6	3.7 3.3 3.4	2.2 2.0 2.1
Nondurable goods: Fixed 1987 weights Chain-type annual weights Benchmark-years weights Services:	2.4 2.6 2.6	3.0 3.0 3.0	1.3 1.3 1.2	2.4 2.4 2.3	1.4 1.3 1.3	.1	Merchandise: Fixed 1987 weights	7.1 6.6 6.8	11.3 10.9 11.4	3.4 3.1 3.2	4.0 3.8 4.0	4.4 4.0 4.1	1.8 1.6 1.6
Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.0 4.0 4.0	3.6 3.7 3.7	2.7 2.7 2.7	3.7 3.7 3.7	2.0 2.0 2.0	2.3 2.3 2.3	Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.5 4.0 4.1	8.6 8.5 8.6	2.2 2.1 2.1	2.2 2.1 2.1	.2 .1 .2	4.2 4.0 4.1
Gross private domestic investment: Fixed 1987 weights	3.4 4.1 4.3	6.7 6.9 7.0	2 2 3	3.2 3.0 3.1	2.0 2.5 2.1	-5.7 -5.9 -5.8	Government purchases: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	2.2 2.3 2.3	4.0 4.2 4.2	1.8 1.8 1.7	.6 .6 .5	1.5 1.7 1.5	3.2 3.2 3.2
Fixed investment: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.4 4.0 4.4	5.3 5.4 5.6	1.0 .8 .8	4.2 4.2 4.1	.4 .3 .3	-1.6 -1.9 -1.8	Federal: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	1.3 1.5 1.5	4.7 5.0 4.9	4 3 4	-2.0 -2.1 -2.2	6 3 6	1.6 1.5 1.5
Nonresidential: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.0 4.8 5.2	2.8 3.0 3.3	3.3 3.1 3.1	6.6 6.6 6.5	2.2 2.0 2.0	1.2 .8 1.0	National defense: Fixed 1987 weights Chain-type annual weights Benchmark-years weights Nondefense:		5.7 6.0 6.0	-1.2 -1.3 -1.4	-1.7 -1.8 -1.9	-2.2 -2.3 -2.3	.2 .1 .1
Structures: Fixed 1987 weights Chain-type annual	3.0	-1.1	1.3	1.6	2.0	.3	Fixed 1987 weights	***************************************	1.9 1.9 1.7	2.4 2.8 2.5	-2.8 -3.2 -3.0	4.6 6.1 5.0	5.5 5.7 5.6
weights Benchmark-years weights Producers' durable equipment:	3.0 3.0	-1.6 -1.7	1.2 1.2	1.6 1.6	1.8 1.9	.2	State and local: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.1 3.2 3.2	3.5 3.6 3.6	3.4 3.4 3.4	2.6 2.6 2.6	3.1 3.1 3.1	4.4 4.4 4.4
Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.7 5.9 6.5	5.3 6.0 6.5	4.3 4.1 4.1	9.3 9.3 9.2	2.3 2.1 2.0	1.6 1.1 1.3	Addenda: Final sales of gross domestic			·			
Residential: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	2.3 2.4 2.4	12.7 12.6 12.7	-4.6 -4.6 -4.6	-1.1 -1.2 -1.1	-3.8 -3.8 -3.8	-8.7 -8.8 -8.7	product: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.1 3.4 3.4	3.6 3.8 3.8	2.5 2.5 2.5	4.1 4.1 4.0	2.2 2.3 2.2	1.7 1.6 1.6
Change in business inventories Net exports of goods and							Gross domestic purchases: Fixed 1987 weights Chain-type annual weights	3.1 3.4	3.8 4.0	1.8 1.8	3.0 2.9	1.9 1.9	.5 .5
services							Benchmark-years weights Gross national product:	3.4	4.0	1.7	2.9	1.8	
Exports: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	5.9 6.1 6.3	4.2 4.5 4.7	11.6 11.3 11.4	15.9 15.7 15.6	11.3 11.2 11.2	7.7 7.3 7.5	Fixed 1987 weights Chain-type annual weights Benchmark-years weights	3.1 3.4 3.4	3.7 3.8 3.8	2.5 2.5 2.5	4.0 4.0 3.9	2.4 2.5 2.4	1.1 1.1 1.1

growth before 1987 than their fixed-weighted counterparts (table B). For personal consumption expenditures and for government purchases, the alternative indexes increase an average 0.1 percentage point per year more than the fixed-weighted index. For exports, the differential for the chain-type annual-weighted index is 0.2 percentage point per year and for the benchmark-years-weighted index, 0.4 percentage point. For imports, the differential for the chain-type annual-weighted index is -0.2 percentage point per year.

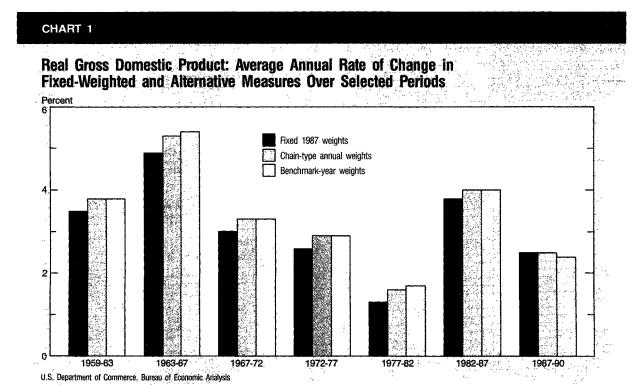
The differentials for fixed investment (as well as for gross private domestic investment) are much larger than those for the other major components: 0.6 percentage point per year for the chain-type annual-weighted index, and 1.0 percentage point per year for the benchmarkyears-weighted index. Thus, the alternative measures, particularly the benchmark-years-weighted index, show a higher rate of gross capital formation relative to output than do the fixed-weighted indexes. In terms of the fixed-weighted indexes, fixed investment increases at an average annual rate of 3.4 percent from 1959 to 1987, while GDP increases at a rate of 3.1 percent. In terms of the benchmark-years-weighted indexes, fixed investment increases at an annual rate of 4.4 percent, while GDP increases at a rate of 3.4 percent.

An analysis of the sources of the differences between the fixed-weighted indexes and the alternatives requires further work. It is clear, however, that changes in the prices and quantities of computers and peripheral equipment are the major source of the differences for total gdp, fixed investment, and exports. In addition to changes in the prices and quantities of computers, the differentials for imports reflect changes in the prices and quantities of imported petroleum. Imported petroleum behaved atypically during 1959–87 in that both quantities and relative prices increased; this behavior worked to offset the contribution of computers and peripheral equipment.

GDP Price Measures

The featured measure of GDP prices is the fixed-weighted GDP price index with 1987 quantity weights.⁷ The fixed-weighted GDP price index, like the fixed-weighted measure of real GDP, has the property that, when weights of a more recent year are substituted and the index recalculated, the index increases less than when the weights for an earlier year are used. For the reasons discussed earlier, this property exists because the commodities with strong (weak) price increases receive less

^{7.} As part of the 1991 comprehensive revision, the fixed-weighted gross domestic purchases price index with 1987 quantity weights replaced the fixed-weighted GNP price index with 1982 quantity weights as the featured measure of price change in the U.S. economy. This section focuses on measures of GDP prices in order to provide a parallel discussion with the section on real GDP. The fixed-weighted and alternative price indexes for gross domestic purchases are shown as addenda to the tables in this article.



(more) weight, thus lowering the increase in the aggregate measure.

Two alternative measures of GDP prices are introduced in this article. They involve the use of the Fisher Ideal index formula and are analogues to the two alternative quantity measures discussed earlier; that is, the p's and q's are simply reversed in the index formulas. One alternative is referred to as the chain-type annual-weighted price index; the other, as the benchmark-years-weighted price index. (The alternative price indexes are presented in table 3 at the end of this article.)

One property of price and quantity indexes calculated with the Fisher Ideal index formula is that they fully account for the current-dollar change; that is, the product of the price change and the quantity change equals the current-dollar change. The featured Laspeyres fixed-weighted-price index and Laspeyres fixed-weighted quantity index do not have this property. This full accounting of the current-dollar change applies to annual changes in the chain-type annual-weighted index and to changes between adjacent benchmarks in the benchmark-years-weighted index.⁸

The fixed-weighted price indexes for several components of GDP—producers' durable equipment (PDE), exports, and imports—and for total GDP and the investment aggregates will not be shown in the NIPA tables for years before 1982, because the use of the relative quantity structure in 1987 to measure price change for those years is inappropriate. Before 1982, the combination of the high level and very rapid decline of the price index for computers and the large 1987 quantity weight for computers results in either very small

$$\begin{split} P_2^l &= \frac{\sum p_2 q_1}{\sum p_1 q_1}, \\ P_2^p &= \frac{\sum p_2 q_2}{\sum p_1 q_2}, \text{ and} \\ P_2^f &= \sqrt{\frac{\sum p_2 q_1}{\sum p_1 q_1}} \times \frac{\sum p_2 q_2}{\sum p_1 q_2}. \end{split}$$

The current-dollar change from period 1 to period 2 expressed as a ratio is $\sum p_2q_2/\sum p_1q_1$ and is equal to the product of the Fisher Ideal price and quantity indexes:

$$\frac{\sum p_2q_2}{\sum p_1q_1} = \sqrt{\frac{\sum p_2q_1}{\sum p_1q_1}} \times \frac{\sum p_2q_2}{\sum p_1q_2} \times \sqrt{\frac{\sum p_1q_2}{\sum p_1q_1}} \times \frac{\sum p_2q_2}{\sum p_2q_1}.$$

overall price increases or price declines for these components and for total gdp. The affected entries are bold-italicized in the tables in this article; these bold-italicized entries should not be used as measures of price change.

Comparison of GDP price measures

The differences between the fixed-weighted GDP price index and the two alternative price indexes average 0.2 percentage point per year or less for 1982-87 and for 1987-90, the two periods shown in table C for which use of the fixed-weighted price index is appropriate. For 1982-87, the fixedweighted GDP price index increases at an average annual rate of 3.3 percent, while the chain-type annual-weighted index increases at a 3.4-percent rate and the benchmark-years-weighted index, at a 3.5-percent rate. For 1987-90, the fixedweighted and benchmark-years-weighted indexes increase at a 4.2-percent rate, compared with a 4.1-percent rate for the chain-type annualweighted index. On an annual basis, the differences are no larger than 0.3 percentage point during 1982-87 and 0.1 percentage point during 1987-90 (see table 1 at the end of the article).

For 1959-87, the alternative price indexes grow more rapidly than the fixed-weighted indexes for personal consumption expenditures (PCE) and government purchases (table D). For PCE, the chain-type annual-weighted index increases at an average annual rate of 4.7 percent, the benchmark-years-weighted index at a 4.6-percent rate, and the fixed-weighted index at a 4.3-percent rate. For government purchases, the chain-

Table C.—Fixed-Weighted and Alternative Measures of GDP Prices: Average Annual Rate of Change Over Selected Periods

		[Per	cent]			
	Fixed- weighted index, 1987 weights	Chain- type an- nual- weighted index	Bench- mark- years- weighted index	Col. 2- col. 1	Col. 3 – col. 1	Col. 3 – col. 2
1959-87 1959-63 1963-67 1967-72 1972-77 1977-82 1982-87 1987-90	-5.3 -22.3 -22.8 -2.0 3.5 5.8 3.3 4.2	4.7 1.3 2.3 4.7 7.2 8.1 3.4 4.1	4.6 1.3 2.3 4.7 7.2 7.9 3.5 4.2	.1		1 0 0 0 0 2 .1

NOTE.—Bold-italicized entries should not be used as measures of price change. See the text for an explanation

^{8.} Using the notation in footnote 6, the Fisher Ideal price index is $P^f = \sqrt{P^l \times P^p}$, where P^l is the Laspeyres price index and P^p the Paasche price index. For the first period, $P^l_1 = P^p_1 = \sum p_1 q_1 / \sum p_1 q_1 = 1.0$, and $P^f_1 = 1.0$. For the second period,

^{9.} The fixed-weighted GNP price index published prior to the comprehensive revision of 1991 was not affected to the same extent, because the computer price index for PDE was carried back only to 1969 and was held at a constant level in earlier years. In the 1991 comprehensive revision, the computer price index for PDE was extended back to 1959. In addition, the relative quantity of computers increased greatly from 1982 to 1987.

type index increases at a 5.6-percent rate, the benchmark-years index at a 5.7-percent rate, and the fixed-weighted index at a 5.1-percent rate.

Because use of the fixed-weighted price index for GDP for periods before 1982 is not appropriate, it is of interest to compare the alternative GDP price indexes with the fixed-weighted GNP price index calculated with 1982 quantity weights that was published before the comprehensive revision. As shown in the following tabulation, the previously published fixed-weighted GNP price index increases more slowly than the benchmark-years-weighted GDP price in-

dex over each benchmark interval from 1959 to 1977. Most of the difference is due to the different approaches to weighting and not to revised source data.

	Fixed 1982 weights, GNP prices	Benchmark-years weights, GDP prices	Difference
1959–63	1.0	1.3	-0.3
1963–67	1.9	2.3	4
1967-72	3.6	4.7	-1.1
1972-77	6.2	7.2	-1.0
1977–82	7.9	7.9	0

Table D.—Fixed-Weighted and Alternative Measures of GDP Prices and Its Major Components: Average Annual Rates of Change Over Selected Periods
[Percent]

	1959-87	1982–87	1987-90	1987–88	1988-89	1989-90		1959-87	1982–87	1987–90	1987–88	1988-89	1989-90
Gross domestic product: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	- 5.3 4.7 4.6	3.3 3.4 3.5	4.2 4.1 4.2	3.9 3.9 3.9	4.4 4.3 4.3	4.4 4.2 4.3	Imports: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	1.4 5.6 5.4	2 .4 1	4.2 4.1 4.1	5.4 5.2 5.1	3.1 3.1 3.0	4.3 4.2 4.2
Personal consumption expenditures: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.3 4.7 4.6	3.8 3.9 3.9	4.8 4.7 4.7	4.3 4.2 4.2	4.8 4.8 4.8	2.3 2.1 2.2	Merchandise: Fixed 1987 weights Chain-type annual weights Benchmark-years weights Services:	1.0 5.6 5.4	9 2 7	3.8 3.7 3.6	5.1 5.0 4.8	3.1 3.1 3.0	3.1 3.1 3.1
Durable goods: Fixed 1987 weights Chain-type annual weights Benchmark-years weights Nondurable goods:	2.2 2.9 2.9	1.6 1.9 1.9	2.2 2.1 2.1	2.0 2.0 1.9	2.5 2.4 2.4	2.1 1.9 2.0	Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.7 5.4 5.3	3.0 3.2 3.0	6.2 6.1 6.1	6.3 6.2 6.1	3.0 3.0 3.0	
Fixed 1987 weights Chain-type annual weights Benchmark-years weights Services:	4.2 4.4 4.4	2.4 2.4 2.4	5.1 5.1 5.1	3.8 3.8 3.8	5.5 5.4 5.4	6.2 6.0 6.1	Government purchases: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	5.1 5.6 5.7	3.3 3.4 3.4	4.0 3.9 3.9	3.7 3.6 3.7	4.1 4.0 4.1	
Fixed 1987 weights	5.2 5.3 5.3	5.2 5.4 5.3	5.2 5.1 5.1	5.1 5.1 5.1	5.0 5.0 5.0	5.4 5.3 5.3	Federal: Fixed 1987 weights Chain-type annual weights	4.6 5.5 5.5	2.5 2.5	3.9 3.7	2.8 2.7	4.3 4.0	4.3
Fixed 1987 weights	-11.1 4.3 3.9	.9 1.4 1.2	2.8 2.7 2.7	3.3 3.2 3.1	3.0 2.8 2.8	2.3 2.1 2.2	Benchmark-years weights National defense: Fixed 1987 weights Chain-type annual weights	 	2.6 2.2 2.4	3.8 3.9 3.8	2.8 3.1 3.0	4.1 4.1 3.9	4.4 4.6 4.4
Nonresidential: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	-12.3 3.9 3.4	1 .7 .4	2.6 2.5 2.4	2.8 2.8 2.7	2.7 2.6 2.6	2.2 2.0 2.1	Benchmark-years weights Nondefense: Fixed 1987 weights Chain-type annual weights		2.4 2.4 3.4 3.1	3.8 3.7 3.4	3.0 3.0 2.0 1.7	3.9 4.8 4.6	4.4
Structures: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	5.2 5.2 5.2	1.5 .7 .9	3.8 3.8 3.8	4.6 4.6 4.5	4.2 4.2 4.2	2.6 2.7 2.7	Benchmark-years weights State and local Fixed 1987 weights	5.7	3.2	3.8	2.5 4.3	4.8	4.1
Producers' duráble equipment: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	-13.6 3.1 2.4	8 .7 .3	2.0 1.8 1.7	1.9 1.9 1.7	1.9 1.8 1.7	2.0 1.7 1.8	Chain-type annual weights Benchmark-years weights	5.8 5.8	4.1 4.1	4.1 4.1	4.3 4.3	4.0 4.0	3.9
Residential: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	5.2	3.2 3.3 3.2	3.4 3.4 3.4	4.3 4.2 4.2	3.4 3.5 3.4	2.4 2.4 2.4	Addenda: Final sales of gross domestic product: Fixed 1987 weights	-5.3	3.3	4.2	4.0	4.4	4.4
Exports: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	.1 4.4 4.2	1 .7 .4		5.5	2.3 2.3 2.2	1.6 1.6 1.6	Chain-type annual weights Benchmark-years weights Gross domestic purchases:	4.7 4.7	3.5 3.5	4.2 4.1 4.2	4.0 4.0 4.0	4.3 4.3	4.2
Merchandise: Fixed 1987 weights Chain-type annual weights	8 4.2	-1.3 2	2.9 2.9	6.5 6.2	2.1 2.1	.2	Fixed 1987 weights Chain-type annual weights Benchmark-years weights	- 5.3 4.7 4.6	3.3 3.4 3.5	4.3 4.2 4.3	3.9 3.9 3.9	4.4 4.3 4.4	4.4
Benchmark-years weights Services: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	4.0 4.6 5.0 4.8	5 3.2 3.3 3.2	2.7 3.8 3.8 3.8	3.6	2.0 2.7 2.7 2.7	.3 5.0 5.0 5.0	Gross national product: Fixed 1987 weights Chain-type annual weights Benchmark-years weights	- 5.3 4.7 4.6	3.3 3.4 3.5	4.2 4.1 4.2	3.9 3.9 3.9	4.4 4.3 4.3	4.1

NOTE.--Bold-italicized entries should not be used as measures of price change. See the text for an explanation.

How the Alternative Measures Are Calculated

With one exception, the alternative measures of real GDP and of GDP prices are calculated using the same level of detail as used in calculating real GDP in 1987 prices. 10 As shown in table E, the number of components increases from 765 in 1959 to 2,678 in 1987. Most of this increase came in producers' durable equipment and change in nonfarm business inventories. For 1990, the number of components falls to 1,088, mainly reflecting drops in these same two components. The drops occur because of a lag in the availability of detailed product and industry data for manufacturing; in the next annual NIPA revision, the number of components used for 1990 will increase to the level used for 1987.

For most of the detailed components, a current-dollar estimate and an associated price index are available to compute a quantity measure. For those components for which the quantity measure is obtained by extrapolation, a price measure is computed from the current-and constant-dollar estimates. Most of the detailed price indexes used in the calculations are components of the major price indexes com-

Table E.—Number of Detailed Components Used in Calculating Alternative Measures of Real GDP and GDP Prices, Selected Years

	1959	1972	1977	1987	1990 ¹
Gross domestic product	765	992	2,260	2,678	1,088
Personal consumption expenditures	197	197	200	203	203
Durable goods	32	32	34	34	34
Nondurable goods	63	63	63	63	63
Services	102	102	103	106	106
Gross private domestic investment	346	348	1,603	1,831	241
Fixed investment	201	221	455	683	105
Nonresidential	201	203	437	665	87
Structures	18	20	20	20	20
Producers' durable equipment	183	183	417	645	67
Residential	18	18	18	18	18
Change in business inventories	127	127	1,148	1,148	136
Net exports of goods and services	51	83	91	278	278
Exports	25	42	48	135	135
Merchandise	5	11	11	98	98
Services	20	31	37	37	37
Imports	26	41	43	143	143
Merchandise	5	13	13	113	113
Services	21	28	30	30	30
Government purchases	171	364	366	366	366
Federal	68	261	261	261	261
National defense		191	191	191	191
Nondefense		70	70	70	70
State and local	103	103	105	105	105

See the text for an explanation of the drop in component detail for 1990.
 NOTE.—The level of detail shown in this table is also used in calculating the fixed-weighted GDP price index.

piled by the Bureau of Labor Statistics—that is, the consumer price index, the producer price index, and the international price indexes. Exceptions include the price indexes for computers and for national defense purchases, which are prepared by BEA; the construction price indexes, prepared by the Census Bureau and BEA; and agricultural commodity prices, prepared by the Department of Agriculture.¹¹ The prices for government employee compensation are computed from current- and constant-dollar estimates, where the latter are prepared by extrapolating base-year compensation for detailed categories by indexes of employment or hours worked.

BEA plans to make available the detailed current-dollar and price-index components used to prepare the alternative measures of real gdp and of gdp prices. Information on the availability of this database will appear in a subsequent issue of the Survey.

Appendix: A Note on Alternative Measures of Real GDP

The effect of different approaches to weighting on the measurement of real GDP can perhaps best be illustrated using a hypothetical two-commodity economy. Exhibit 1 shows prices, quantities, and current-dollar values—that is, price times quantity—for two commodities (A and B) in years 1 to 6. An important characteristic of the example is that the price of A grows more than the price of B while the quantity of A grows less than the quantity of B.

Fixed weighting.—Using the entries in exhibit 1, fixed-weighted measures of real GDP are obtained

Exhibit 1.—Hypothetical Two-Commodity Economy

			Ye	ear			Ratio: Year 6
	1	2	3	4	5	6	to year
Price (dollars):			_				
A	5	6	8	9	11	12	2.40
В	4	4	5	5	6	6	1.50
Quantity (units):					ł		
Α	6	7	7	8	8	7	1.17
B [5	7	8	10	11	11	2.20
Value (dollars):				ĺ	j		
Α	30	42	56	72	88	84	2.80 3.30
В	20	28	40	50	66	66	
Total	50	70	96	122	154	150	3.00

^{10.} The exception is Federal Government purchases by the Departments of Defense and Veterans Affairs, for which BEA develops very detailed constant-dollar estimates from price and quantity information provided by these agencies. This information, which is available beginning in 1972, is aggregated to about 200 components for use in calculating the fixed-weighted price index and alternative measures.

^{11.} A summary of the price information used in preparing the constant-dollar estimates is provided in table 7 in "The U.S. National Income and Product Accounts: Revised Estimates," SURVEY 70 (July 1990): 30-33. See also the individual methodology papers listed on the inside back cover of this issue.

by multiplying quantities in each year by prices in a designated base period. Thus, with year 1 as the base period, real gdp in year 1 is $(5\times6)+(4\times5)=50$; in year 2, $(5\times7)+(4\times7)=63$; and so on. Likewise, with year 2 as the base period, real gdp in year 1 is $(6\times6)+(4\times5)=56$; in year 2, $(6\times7)+(4\times7)=70$; and so on. Similarly, real gdp can be calculated using the other years as the base period.¹²

Thus, in principle there are as many measures of fixed-weighted real GDP as there are years that could be used as the base period. Exhibit 2 shows a matrix of real GDP measures calculated from exhibit 1, using each of the 6 years as the base period. The first six rows in the exhibit show real GDP in dollars; the next six rows show real GDP as indexes with the base period set equal to 100.0; the last six rows show period-to-period growth rates in the measures.¹³

In the exhibits, years 1, 3, and 5 are designated as benchmark years. Thus, the index of real gdp based on prices in year 5, the most recent benchmark year, corresponds to the fixed-weighted measure that is featured in practice.

In this example, selecting a later year as the base period produces a lower growth rate than selecting an earlier year because of the characteristic mentioned earlier—that the price of commodity A grows more than the price of commodity B, while the quantity of A grows less than the quantity of B. Therefore, commod-

Algebraically, these two procedures can be shown to be identical as follows: Using prices and quantities directly, real GDP is $\sum p_0q_t$, where p_0 is the price in the base period and q_t is the quantity in year t. Deflating current-dollar values, the fixed-weighted measure of real GDP is $\sum (p_tq_t/(p_t/p_0)) = \sum p_0q_t$. Real GDP may also be expressed as a weighted sum of quantity relatives (indexes) scaled by the base-year value of GDP; that is,

$$\sum rac{q_t}{q_o}(W_t) imes \sum p_o q_o = \sum p_o q_t, \; ext{where}$$
 $W_t = rac{p_o q_o}{\sum p_o q_o}$

is the share of current-dollar output in the base year accounted for by the commodity, and $\sum p_o q_o$ is the base-year value of gdp.

13. As shown in footnote 12, the fixed-weighted measure of real GDP in year t is $\sum p_o q_t$, where p_o is the price in base year o, and q_t is the quantity in year t. The growth rate in this measure from year t-1 to year t is

$$100\left(\frac{\sum q_t p_o}{\sum q_{t-1} p_o} - 1.0\right).$$

ity A receives more weight (and commodity B less) when a later year is the base period. It is true generally that a later base period produces lower growth in real GDP because fast-growing quantities tend to be associated with relatively slow-growing prices and slow-growing quantities with relatively fast-growing prices.

Over long timespans, such inverse relationships in the growth of prices and quantities tend to be the rule. One explanation for such relationships is that as changes in technology or in market structure lower some relative prices and raise others, buyers respond by demanding relatively more of the low-priced goods and relatively less of the high-priced ones and that these responses outweigh any contrary effects arising from changes in taste or in income levels.

Chain-type annual weighting.—In this alternative, the Fisher Ideal index formula is used to calculate the annual change in real GDP. The Fisher Ideal index is the geometric mean of a Laspeyres and a Paasche index. In terms of the example, the year 2 value of the fixed-weighted measure based on prices in year 1 is a Laspeyres quantity index, while the year 2 value of the fixed-weighted measure based on prices in year 2 is a Paasche quantity index. The year 2 values of these indexes (in terms of percent changes) may be taken from the bottom panel of exhibit 2. The geometric mean of these two indexes is the Fisher Ideal index for year 2; that is, the Fisher

Exhibit 2.—Fixed-Weighted Measures of Real GDP

_				Υe	ar			Ratio: Year 6
		1	2	3	4	5	6	to year
			Real GDI	o in dollar	s, based	on prices	in year:	
1 2 3 4 5 6		50 56 73 79 96 102	63 70 91 98 119 126	67 74 96 10 125 132	80 88 114 122 148 156	84 92 119 127 154 162	79 86 111 118 143 150	1.580 1.536 1.521 1.494 1.490 1.471
			Indexes o	freal GD	P, based	on prices	in year:	
1 2 3 4 5 6		100.0 80.0 76.0 64.8 62.3 68.0	126.0 100.0 94.8 80.3 77.3 84.0	134.0 105.7 100.0 84.4 81.2 88.0	160.0 125.7 118.8 100.0 96.1 104.0	168.0 131.4 124.0 104.1 100.0 108.0	158.0 122.9 115.6 96.7 92.9 100.0	1.580 1.536 1.521 1.494 1.490 1.471
	:	Pero	cent chan	ge in real	GDP, ba	sed on p	rices in y	ear:
1 2 3 4 5 6			26.0 25.0 24.7 24.1 24.0 23.5	6.3 5.7 5.5 5.1 5.0 4.8	19.4 18.9 18.8 18.4 18.4 18.2	5.0 4.5 4.4 4.1 4.1 3.8	-6.0 -6.5 -6.7 -7.1 -7.1 -7.4	

^{12.} Because quantity data are not available for most components of real GDP, real GDP is obtained by deflating current-dollar values by price indexes that express the price of each period relative to that of the base period. This procedure yields results identical to those obtained directly from prices and quantities. For example, using prices and quantities directly with year 1 as the base year, commodity A in real terms in year 2 is $(5 \times 7) = 35$. The identical result is obtained by deflating the current-dollar value of 42 for commodity A in year 2 by the price index with year 1 as the base year for commodity A in year 2. The price index is $(6 \div 5) = 1.20$. Thus, commodity A in real terms is $(42 \div 1.20) = 35$.

Ideal index is $\sqrt{1.260 \times 1.250} = 1.255$, and the growth rate from year 1 to year 2 is 25.5 percent. Similarly, the Fisher Ideal index for year 3 is $\sqrt{1.057 \times 1.055} = 1.056$, and the growth rate is 5.6 percent. Thus, the growth rates in the chain-type annual-weighted index are computed from pairs of year-to-year changes (expressed as ratios) in the fixed-weighted quantity indexes moving diagonally down and across the bottom panel of exhibit 2. These growth rates are entered in the top panel of exhibit 3 and are chained together to provide the chain-type annual-weighted index (with year 5=100) in the bottom panel. 14

Benchmark-years weighting.—In this alternative, the geometric means of the two fixed-weighted quantity indexes based on prices in adjacent benchmark years are used to calculate the annual change in real GDP. In the example, years 1 and 3 form the first pair of adjacent benchmark years, and the fixed-weighted quantity indexes used to calculate the growth rates in real GDP from year 1 to year 3 are based on prices in years 1 and 3. The growth rate from year 1 to year 2 is given by the

$$100 \left(\sqrt{\frac{\sum q_t p_{t-1}}{\sum q_{t-1} p_{t-1}}} \times \frac{\sum q_t p_t}{\sum q_{t-1} p_t} - 1.0 \right).$$

Exhibit 3.—Alternative Measures of Real GDP Compared With Fixed-Weighted Measures Based on Prices in Year 5

			Y	ear			Ratio: Year
	1	2	3	4	5	6	6 to year 1
	P	ercent	change	in real	GDP, t	ased o	on:
Chain-type annual weights Benchmark-years weights ¹ Fixed weights, year 5 prices		25.5 25 24.0	5.6 5.9 5.0	18.6 18.6 18.4	4.1 4.3 4.1	-7.3 -7.3 -7.1	
	index	es of re	eal GDI	P (year	5 = 100	0), bas	ed on:
Chain-type annual weights Benchmark-years weights ¹ Fixed weights, year 5 prices	61.1 60.9 62.3	76.7 76.3 77.3	81.0 80.8 81.2	96.1 95.9 96.1	100.0 100.0 100.0	92.7 92.7 92.9	1.517 1.522 1.490

^{1.} Years 1, 3, and 5 are benchmark years.

geometric mean of the year 2 values of the two fixed-weighted indexes. These values (in terms of percent changes) may be taken from the bottom panel of exhibit 2. For year 2, the index value is $\sqrt{1.260} \times 1.247 = 1.253$, and the growth rate is 25.3 percent. Similarly, the geometric mean for year 3 is $\sqrt{1.063} \times 1.055 = 1.059$, and the growth rate is 5.9 percent. The cumulated change from year 1 to year 3 of 32.7 percent is identical to the growth rate calculated with the Fisher Ideal index directly from year 1 to year 3—that is, $\sqrt{1.340} \times 1.315 = 1.327$ (where $134.0 \div 100.0 = 1.340$, and $100.0 \div 76.0 = 1.315$). 15

Beyond the most recent benchmark year, only one set of benchmark weights is available, but the index formula requires two. Therefore, the most recently available year is used as if it were the next benchmark year. In the exhibit, this procedure provides the same annual change for year 6 as in the chain-type annual-weighted index. Once data for year 7 become available, the annual change for year 6 in the benchmark-years-weighted index would be recalculated.

The growth rates for the benchmark-years-weighted index are entered in the top panel of exhibit 3 and chained together to provide an index in the bottom panel. For comparison, exhibit 3 also shows the fixed-weighted quantity index based on prices in year 5, the most recent benchmark year.

Tables 1 through 3 follow.

$$100 \left(\sqrt{\frac{\sum q_t p_a}{\sum q_{t-1} p_a}} \times \frac{\sum q_t p_b}{\sum q_{t-1} p_b} - 1.0 \right), \text{ where }$$

a and b are benchmark years and $t=a+1,a+2,\ldots,b$. The cumulation of the benchmark-years-weighted index values for the years between a and b is equal to the Fisher Ideal index value calculated directly from year a to year b:

$$\sqrt{\frac{\sum q_{a+1}p_{a}}{\sum q_{a}p_{a}}} \times \frac{\sum q_{a+1}p_{b}}{\sum q_{a}p_{b}} \times \sqrt{\frac{\sum q_{a+2}p_{a}}{\sum q_{a+1}p_{a}}} \times \frac{\sum q_{a+2}p_{b}}{\sum q_{a+1}p_{b}} \times \cdots$$
$$\times \sqrt{\frac{\sum q_{b}p_{a}}{\sum q_{b-1}p_{a}}} \times \frac{\sum q_{b}p_{b}}{\sum q_{b-1}p_{b}} = \sqrt{\frac{\sum q_{b}p_{a}}{\sum q_{a}p_{a}}} \times \frac{\sum q_{b}p_{b}}{\sum q_{a}p_{b}}.$$

^{14.} The chain-type annual-weighted measure of real GDP growth from year t-1 to year t is

^{15.} The benchmark-years-weighted measure of real GDP growth from year t-1 to year t is

SURVEY OF CURRENT BUSINESS

Table 1.—Fixed-Weighted and Alternative Quantity and Price Indexes for Gross Domestic Product, Percent Change from Preceding Period [Percent]

		GDP		Final sa	es of domestic	product	Gross	domestic purc	hases		GNP	
Index and year	Fixed- weighted index	Chain-type annual- weighted index	Benchmark- years- weighted index	Fixed- weighted index	Chain-type annual- weighted index	Benchmark- years- weighted index	Fixed- weighted index	Chain-type annual- weighted index	Benchmark- years- weighted index	Fixed- weighted index	Chain-type annual- weighted index	Benchmark- years- weighted index
Quantity indexes												
1960 1961 1962 1963 1964	2.2 2.7 5.2 4.1 5.6	2.3 2.4 6.1 4.3 6.0	2.3 2.4 6.1 4.4 5.9	2.5 2.7 4.8 4.1 5.7	2.6 2.5 5.5 4.4 6.1	2.5 2.5 5.5 4.5 6.1	1.4 2.6 5.4 3.9 5.3	1.5 2.3 6.4 4.1 5.6	1.5 2.3 6.4 4.2 5.5	2.2 2.7 5.2 4.1 5.7	2.4 2.4 6.1 4.3 6.0	2.4 2.4 6.2 4.4 6.0
1965	5.5 5.9 2.6 4.2 2.7	6.4 6.5 2.5 4.6 3.1	6.3 6.6 2.7 4.5 3.0	5.2 5.5 3.0 4.4 2.7	5.7 6.0 3.0 4.9 3.1	5.7 6.1 3.2 4.8 3.0	5.9 6.4 2.8 4.6 2.8	6.8 6.9 2.8 5.0 3.1	6.7 6.9 2.9 4.9 3.1	5.5 5.8 2.6 4.2 2.7	6.4 6.4 2.5 4.6 3.0	6.3 6.4 2.7 4.5 3.0
1970 1971 1972 1973 1974	0 2.9 5.1 5.2 6	0 3.4 5.5 5.9 6	0 3.4 5.7 5.7 6	.7 2.3 5.1 4.7 4	.8 2.8 5.4 5.3 3	.7 2.8 5.6 5.1 2	2 3.2 5.4 4.4 -1.5	3 3.6 5.6 4.9 -1.5	3 3.7 5.9 4.9 -1.5	0 2.9 5.1 5.4 5	0 3.4 5.5 6.1 5	0 3.5 5.7 5.9 4
1975 1976 1977 1978 1979	8 4.9 4.5 4.8 2.5 5	7 5.3 4.9 5.3 2.8	9 5.5 5.2 5.2 2.8	.6 3.7 4.3 4.8 3.2	.7 3.9 4.5 5.2 3.5	.6 4.1 4.8 5.2 3.6	-1.6 5.9 5.1 4.8 2.0 -1.6	-1.6 6.4 5.7 5.2 2.1 -1.9	-1.7 6.4 5.7 5.1 2.2 -1.6	-1.1 5.1 4.6 4.8 2.8 6	9 5.5 5.0 5.2 3.1	-1.1 5.7 5.3 5.1 3.1
1980	1.8 -2.2 3.9 6.2 3.2	2.5 -2.3 3.8 7.0	2.7 -1.9 3.9 6.7 3.3	.9 -1.1 3.3 4.6 4.3	1.3 -1.0 3.4 4.9	.0 1.6 6 3.4 4.9	2.0 -1.4 5.2 7.8	2.6 -1.6 5.2 8.5	2.9 -1.2 5.2 8.3 3.6	1.6 -2.3 3.8 6.0	2.3 -2.4 3.7 6.8	2.5 -2.0 3.8 6.5
1986	2.9 3.1 3.9 2.5	2.9 3.1 3.9 2.6	2.9 3.2 3.8 2.5	3.2 2.7 4.1 2.2	3.3 2.7 4.1 2.3	3.2 2.9 4.0 2.2	3.0 2.7 3.0 1.9	3.1 2.8 2.9 1.9	3.1 2.9 2.9 1.8	2.8 3.0 4.0 2.4	2.7 3.0 4.0 2.5	2.7 3.1 3.9 2.4
Price indexes								_				
1960 1961 1962 1963 1964		1.5 1.2 1.3 1.2 1.4	1.4 1.1 1.3 1.2 1.3		1.5 1.2 1.4 1.2 1.4	1.5 1.1 1.3 1.2 1.3		1.5 1.1 1.3 1.2 1.5	1.0 1.2 1.3 1.4		1.5 1.2 1.3 1.2 1.4	1.4 1.1 1.3 1.2 1.3
1965 1966 1967 1968 1969		1.9 2.8 3.2 4.4 4.7 5.3	1.9 2.9 3.2 4.3 4.7 5.3		1.9 2.9 3.2 4.4 4.7 5.4	1.9 2.9 3.3 4.3 4.7 5.3		1.8 2.8 3.0 4.4 4.6 5.4	2.8 3.0 4.2 4.6		1.9 2.8 3.2 4.4 4.7 5.3	1.9 2.9 3.2 4.3 4.7
1971 1972 1973 1974		5.0 4.3 5.6 8.8 9.4	5.0 4.5 5.5		5.1 4.3 5.6 8.8 9.4	5.5 5.1 4.4 5.5 8.6 9.4		5.2 4.5 5.8 10.0 9.3	5.1 4.7 5.8 10.1 9.2		5.0 4.3 5.6 8.8 9.5	5.3 5.0 4.5 5.5 8.6 9.4
1976 1977 1978 1979		5.8 6.4 7.5 8.4 9.0	5.9 6.5 6.6 8.4 9.2		5.9 6.5 7.5 8.5 9.1	5.9 6.6 6.7 8.3 9.1		5.8 6.8 7.5 8.9 10.5	5.8 7.0 6.7 8.8 10.6		5.9 6.4 7.5 8.4 9.0	5.9 6.5 6.6 8.4 9.2
1981 1982 1983 1984	3.8 3.3 3.5	9.2 6.3 4.1 3.6	9.1 6.4 4.1 3.6	3.8 3.3 3.5	9.2 6.4 4.2 3.6 3.6	6.5 4.1 3.6 3.6	3.3 3.0 3.3	9.0 5.8 3.7 3.4 3.4	8.9 5.7 3.6 3.4 3.5	3.8 3.3 3.5	9.2 6.3 4.1 3.6 3.6	9.1 6.4 4.1 3.6
1986 1987 1988 1989	3.5 2.7 3.1 3.9 4.3	3.9 4.3	3.9 4.3	2.7 3.0 3.9 4.3	2.8 3.1 4.0 4.3	2.9 3.2 4.0 4.3	2.7 3.4 3.9 4.3	2.8 3.5 3.9 4.3	2.9 3.5 3.9 4.4	2.7 3.1 3.9 4.3	2.7 3.1 3.9 4.3	2.9 3.2 3.9 4.3

GDP=Gross domestic product; GNP=Gross national product

Table 2.—Fixed-Weighted and Alternative Quantity Indexes for Gross Domestic Product

[Index numbers, 1987=100]

	<u> </u>	Person	al consump	ntion exper	rditures	Gross	s private d	omestic inves	ment			Gover	nment pur	rhases '	l		
		1 013011	a consum		luitures	4103		ixed investme		_		GOVE	Tanierit par	1	Final sales of	Gross domestic	Gross
Year	GDP	Total	Durable goods	Non- durable goods	Services	Total	Total	Non- residential	Residen- tial	Exports	Imports	Total	Federal	State and local	domestic product	pur- chases	national product
		· · · · · · · ·				- · · ·		Fixed-v	veighted in	dex					.		
1959	42.5	38.6	28.3	51.3	33.3	39.6	39.1	33.2	52.2	20.3	18.9	53.9	69.0	42.2	42.4	41.7	42.7
1960 1961	43.4 44.6	39.7 40.6	28.6 27.1	52.1 53.2	34.7 36.1	38.8 38.6	39.1 39.0	34.8 34.6	48.6 48.9	24.3 24.7	18.9 18.8	54.1 56.9	67.3 70.2	43.9 46.6	43.5 44.7	42.2 43.3	43.6 44.8
1962 1963	46.9 48.8	42.4 44.0	29.8 32.3	54.7 55.7	37.9 39.6	42.9 45.8	42.3 45.3	37.2 38.6	53.5 59.9	26.1 28.0	20.8 21.2	59.5 60.8	74.6 74.2	47.7 50.5	46.8 48.7	45.7 47.4	47.2 49.1
1964	51.6	46.4	34.8	58.2	42.0	49.6	49.3	43.0	63.1	31.7	22.3	62.3	73.2	53.8	51.5	49.9	51.9
1965 1966 1967	54.4 57.6 59.1	49.0 51.6 53.2	38.7 41.1 41.4	61.0 64.0 65.2	44.2 46.4 48.6	55.1 58.5 55.9	53.6 55.5 54.1	50.3 55.6 54.4	61.0 55.3 53.4	32.4 34.5 35.7	24.5 28.3 30.3	64.3 70.6 75.8	73.3 83.0 91.2	61.0	54.2 57.1 58.9	52.9 56.2 57.8	54.8 57.9 59.5
1968 1969	61.6 63.3	55.9 58.0	45.7 47.3	67.9 69.5	51.1 53.6	58.7 61.6	57.6 60.4	56.3 59.5	60.5 62.2	38.5 40.6	35.0 37.3	77.9 77.4	91.7 88.4	67.2	61.4 63.1	60.5 62.2	62.0 63.6
1970	63.3	59.4	45.5	70.9	55.7	57.4	58.6	58.7	58.5	44.3	38.7	75.5	81.8	70.7	63.5	62.1	63.6
1971	65.1 68.4	61.4 64.8	49.9 55.8	71.8 74.8	57.8 60.9	63.5 71.0	62.9 70.5	57.6 62.6	74.6 87.9	44.5 47.7	41.0 45.4	74.0 74.1	75.6 73.9	72.8 74.2	65.0 68.3	64.1 67.6	65.5 68.8
1973 1974	72.0 71.5	67.7 67.3	61.1 56.3	76.9 75.1	63.6 65.2	79.0 72.5	76.6 70.8	71.8 71.6	87.3 69.1	57.8 64.4	48.2 47.0	73.1 74.4	68.9 68.2	76.3 79.1	71.6 71.3	70.5 69.4	72.6 72.2
1975 1976	71.0 74.5	68.7 72.3	56.2 63.5	75.9 79.3	67.4 70.2	58.4 69.5	62.5 68.5	63.6 66.0	59.8 73.9	64.0 66.9	41.4 49.3	75.3 74.8	68.2 67.1	80.7 80.8	71.7 74.3	68.3 72.3	71.5 75.1
1977 1978	77.8 81.6	75.2 78.4	69.3 72.5	81.1 83.6	73.1 76.6	80.1 88.7	78.3 86.8	73.2 82.9	89.6 95.2	67.8 74.2	54.2 59.2	75.3 76.8	68.3 69.8	80.8	77.5 81.2	76.0 79.7	78.5 82.3
1979	83.6 83.2	80.2 80.2	71.6 65.1	85.3 85.1	79.2 80.9	89.4 79.3	90.8 83.4	90.2 88.0	92.1 73.2	80.6 88.0	60.0 57.2	78.2 79.9	70.6 74.0	84.1 84.4	83.8 83.8	81.3 80.0	84.6 84.1
1981 1982	84.7 82.8	81.2 82.0	65.5 65.0	85.8 86.3	82.1 83.6	84.2 72.1	83.9 77.2	91.4 87.2	67.3 55.1	89.6 81.5	60.0 60.0	80.9 82.1	76.9 79.5	84.0	84.6 83.7	81.6 80.5	85.5 83.5
1983 1984	86.0 91.4	85.8 90.0	73.7 83.8	89.0 92.4	86.8 90.0	80.0 101.1	82.3 95.4	84.5 98.5	77.4 88.5	78.5 84.0	67.5 84.3	84.4 87.0	83.3 86.0	85.2	86.5 90.4	84.6 91.2	86.7 91.9
1985	94.3 97.0	93.9 97.3	91.7 99.6	94.8 98.0	93.9 96.3	99.5 98.1	100.1 100.5	104.8 100.5	89.7 100.4	84.9 90.5	89.7 95.6	92.3 97.0	92.3 96.9	92.3 97.1	94.3 97.4	94.5 97.4	94.5 97.1
1986 1987 1988	100.0 103.9	100.0 103.6	100.0 106.2	100.0 102.4	100.0 103.7	100.0 103.2	100.0 104.2	100.5 100.0 106.6	100.4	100.0 115.8	100.0 103.7	100.0 100.6	100.0 98.0	100.0	100.0 104.1	100.0 103.0	100.0 104.0
1989	106.5	105.6	109.2	103.8	105.8	105.3	104.6	109.0	95.1	128.9	107.5	102.1	97.4	105.8	106.4	104.9	106.5
1990	107.6	106.9	108.7	103.9	108.3	99.4	102.9	110.2	86.8	138.9	109.8	105.4	99.0	110.4	108.2	105.4	107.7
	<u> </u>			······································				Chain-type ar		nted index	· · · · · · · · · · · · · · · · · · ·			,	·		
1959	39.2 40.1	37.3 38.3	23.6 24.1	49.4 50.2	33.0 34.5	32.7 32.5	33.4 33.6	27.0 28.5	51.5 47.8	18.9 22.8	20.1 20.3	52.2 51.7	65.8 62.7	41.0 42.6	39.4 40.4	39.0 39.6	39.4 40.3
1961 1962	41.0 43.5	39.2 41.1	23.2 25.9	51.3 53.0	35.9 37.7	32.1 36.3	33.5 36.5	28.3 30.7	47.9 52.5	23.2 24.4	20.2 20.2 22.5	54.4 57.6	65.5 71.3	45.3	41.4 43.6	40.5 43.1	41.3 43.8
1963	45.4 48.1	42.8 45.3	28.4 31.0	54.1 56.7	39.4 41.8	38.7 42.0	39.2 42.9	32.3 36.1	58.7 62.2	26.3 29.8	23.1 24.3	58.9 60.2	70.6 69.4	49.3	45.6 48.3	44.9 47.4	45.7 48.4
1965	51.2	48.1	35.0	59.5	44.0	47.8	47.3	42.3	60.3	30.4	26.9	62.1	69.4	56.2	51.1	50.6	51.5
1966 1967	54.5 55.9 58.5	50.8 52.3 55.3	37.9 38.5 42.8	62.5 63.6 66.3	46.3 48.5 51.0	51.8 49.6 52.1	49.8 48.8 52.2	47.5 46.7 48.7	54.9 53.2 60.5	32.4 33.1 35.5	30.8 33.0 37.9	68.2 73.6 75.8	78.4 87.1 87.7	59.9 62.8 66.2	54.2 55.8 58.6	54.1 55.6 58.3	54.8 56.2 58.8
1968 1969	60.3	57.3	44.3	68.0	53.5	55.2	55.3	52.2	62.3	37.4	40.0	75.3	84.4	67.9	60.4	60.1	60.6
1970 1971	60.3 62.3	58.6 60.7	42.9 47.1	69.5 70.7	55.6 57.7	51.3 57.0	53.9 58.0	51.7 51.7	58.5 74.6	41.5 41.8	41.7 43.9	73.2 71.8	77.3 71.6	72.0	60.8 62.5	59.9 62.1	60.6 62.7
1972 1973	65.7 69.6	64.3 67.5	53.1 58.6	73.7 76.0	60.8 63.5	63.91 71.6	65.0 70.9	56.3 64.5	87.9 87.3	45.1 54.6	48.8 51.0	71.8 71.2	69.5 65.7	73.5 75.7	65.9 69.4	65.6 68.8	66.1 70.1
1974	69.1 68.7	67.0 68.4	54.7 54.7	74.6 75.6	65.0 67.3	65.9 53.8	66.2 58.8	64.9 58.1	69.3 60.3	59.7 59.3	49.7 44.2 52.7	72.6 73.4	65.6 65.5	78.4 79.8	69.2 69.7	67.8 66.8	69.8 69.2
1976 1977	72.4 75.9	72.2 75.4	61.7 67.5	79.2 81.3	70.1 73.1	64.6 75.3	64.6 74.2	60.9 68.1	74.4 90.2	62.6 64.0	58.3	73.0 73.7	64.5 65.9	80.1	72.4 75.7	71.0 75.1	73.0 76.6
1978 1979	79.9 82.2	78.5 80.3	70.8 70.2	83.9 85.6	76.6 79.1	84.2 85.6	83.0 87.6	78.2 85.9	95.8 92.3	71.0 77.7	63.8 64.9	75.3 76.9	67.5 68.6		79.7 82.5	78.9 80.6	80.6 83.1
1980 1981	82.0 84.1	79.9 80.8	64.2 64.7	85.1 85.7	80.7 81.9	76.5 83.5	81.8 83.4	85.6 90.2	73.1 67.3	86.2 87.5	60.6 62.1	78.7 80.2	72.3 75.9	83.6	83.0 84.0	79.1 81.2	82.9 84.9
1982	82.2 85.3	81.6 85.6	64.4 73.3	86.2 88.9	83.4 86.7	71.6 78.2	77.1 82.0	86.1 84.1	55.2 77.4	80.3 77.8	60.9 68.1	81.4 83.9	78.5 82.5	83.8	83.2 86.0	79.8 83.9	82.8 85.9
1984	91.3	89.8	83.5	92.3	89.9	101.8	95.6	98.7	88.5	83.8	84.2	86.4 91.9	84.9	87.7	90.2 94.3	91.1 94.4	91.8 94.5
1985 1986	94.2 97.0	93.8 97.2	91.4 99.5 100.0	94.7 98.0 100.0	93.8 96.2 100.0	99.8 98.0 100.0	100.2 100.3 100.0	104.8 100.3 100.0	89.7 100.4 100.0	84.8 90.4 100.0	88.7 95.3 100.0	96.9 100.0	91.6 96.7 100.0	97.1	97.3 100.0	97.3 100.0	97.1 100.0
1987 1988	100.0 103.9	100.0 103.6 105.5	106.2	102.4 103.7	103.7 105.8	103.0 105.7	104.2 104.4	106.6 108.7	98.8 95.1	115.7 128.6	103.5 106.9	100.6 102.2	97.9 97.6	102.6	104.1 106.4	102.9 104.9	104.0 106.6
1989	106.6 107.6	105.5	109.1 108.4	103.7	105.8	99.4	102.4	(138.1	109.1	105.5	l			105.4	107.7

Table 2.—Fixed-Weighted and Alternative Quantity Indexes for Gross Domestic Product—Continued

[Index numbers, 1987=100]

							ţ	nomboro, rot									
		Person	ial consum	ption exper	nditures	Gros	s private d	omestic inves	tment	Ì	Į į	Gover	nment pur	chases	Final	Gross	
Year	GDP		Durable	Non-			F	ixed investme	ent	Exports	Imports	•		State	sales of domestic	domestic pur-	Gross national
		Total	goods	durable goods	Services	Total	Total	Non- residential	Residen- tial			Total	Federal	and local	product	chases	product
								Benchmark-y	rears-weigh	ted index							
1959	38.8	37.2	23.5	49.3	33.0	30.6	30.2	24.0	51.1	18.0	19.2	52.5	66.6	41.0	38.8	38.7	39.0
1960	39.7 40.7 43.2 45.1 47.7	38.2 39.1 41.0 42.7 45.2	24.0 23.1 25.8 28.3 30.9	50.1 51.2 52.9 54.0 56.6	34.5 35.9 37.7 39.4 41.8	30.3 30.0 34.0 36.3 39.4	30.4 30.2 33.0 35.5 38.9	25.3 25.1 27.3 28.9 32.2	47.4 47.6 52.1 58.3 61.7	21.7 22.1 23.2 25.0 28.3	19.4 19.3 21.4 22.1 23.2	52.0 54.7 58.0 59.2 60.5	63.6 66.3 72.0 71.4 70.2	42.6 45.3 46.4 49.2 52.6	39.8 40.8 43.0 44.9 47.7	39.2 40.1 42.7 44.5 46.9	39.9 40.9 43.4 45.4 48.1
1965	50.7 54.1 55.5 58.0 59.8	48.0 50.7 52.2 55.1 57.1	34.8 37.7 38.3 42.5 44.1	59.4 62.4 63.5 66.2 67.9	44.0 46.2 48.5 51.0 53.4	44.7 48.6 46.8 49.1 52.1	42.8 45.3 44.8 47.8 50.6	37.8 42.5 42.4 44.2 47.3	59.8 54.5 52.8 59.9 61.7	28.9 30.9 31.6 33.9 35.7	25.6 29.4 31.5 36.2 38.3	62.4 68.5 74.0 76.2 75.7	70.1 79.1 87.9 88.6 85.5	56.2 59.8 62.7 66.1 67.8	50.4 53.4 55.1 57.8 59.5	50.1 53.5 55.1 57.8 59.6	51.1 54.4 55.8 58.4 60.1
1970 1971 1972 1973 1974	59.8 61.8 65.3 69.0 68.6	58.4 60.6 64.2 67.3 66.8	42.7 46.9 52.9 58.3 54.3	69.4 70.6 73.6 75.9 74.4	55.6 57.6 60.7 63.4 64.9	48.5 54.0 61.0 68.4 63.1	49.4 53.3 60.1 65.6 61.4	46.9 47.0 51.7 59.3 59.7	58.0 73.9 87.2 86.6 68.7	39.5 39.8 43.0 51.8 57.7	40.0 42.1 46.7 49.6 48.4	73.5 72.0 72.0 71.2 72.6	78.4 72.3 70.2 65.9 65.8	69.6 71.8 73.3 75.5 78.2	59.9 61.6 65.1 68.4 68.3	59.4 61.5 65.1 68.3 67.3	60.1 62.2 65.7 69.6 69.3
1975 1976 1977 1978 1979	68.0 71.8 75.5 79.4 81.7	68.2 72.0 75.2 78.3 80.0	54.3 61.3 67.1 70.3 69.8	75.5 79.0 81.1 83.7 85.4	67.1 70.0 72.9 76.4 79.0	50.9 61.4 71.6 79.6 81.2	54.5 60.1 69.2 77.5 82.0	53.5 56.3 63.3 72.7 80.1	59.7 73.8 89.5 95.0 91.7	57.7 60.9 62.7 69.2 75.8	42.8 50.9 55.9 60.4 61.4	73.5 73.2 73.9 75.5 77.0	65.7 64.8 66.3 68.0 69.0	79.8 80.0 80.0 81.6 83.5	68.7 71.6 75.0 78.9 81.7	66.1 70.4 74.4 78.2 79.9	68.5 72.4 76.2 80.1 82.7
1980 1981 1982 1983 1984	81.7 83.9 82.3 85.5 91.2	79.8 80.7 81.6 85.4 89.7	63.9 64.3 64.2 73.0 83.1	84.9 85.7 86.1 88.9 92.3	80.6 81.7 83.2 86.5 89.7	73.6 81.1 71.4 78.7 100.7	77.6 80.5 76.1 81.1 94.6	80.7 86.7 85.0 82.7 97.2	72.8 67.1 55.0 77.3 88.4	84.2 86.1 79.4 76.8 82.7	57.8 60.1 59.6 66.8 83.1	78.9 80.2 81.6 84.0 86.7	72.7 76.0 78.9 82.8 85.5	83.9 83.6 83.8 85.0 87.6	82.4 83.7 83.1 85.9 90.1	78.6 80.8 79.8 84.0 91.0	82.6 84.7 83.0 86.1 91.7
1985 1986 1987 1988 1989	94.2 96.9 100.0 103.8 106.4	93.6 97.2 100.0 103.5 105.5	90.9 99.2 100.0 106.1 109.0	94.7 98.0 100.0 102.3 103.7	93.7 96.2 100.0 103.7 105.8	99.1 97.5 100.0 103.1 105.2	99.3 99.5 100.0 104.1 104.4	103.4 99.3 100.0 106.5 108.7	89.6 100.3 100.0 98.9 95.1	84.0 89.8 100.0 115.6 128.6	87.8 94.6 100.0 103.6 107.1	92.1 96.9 100.0 100.5 102.1	92.0 96.7 100.0 97.8 97.3	92.1 97.1 100.0 102.6 105.8	94.2 97.2 100.0 104.0 106.3	94.3 97.2 100.0 102.9 104.8	94.4 97.0 100.0 103.9 106.4
1990	107.5	106.8	108.4	103.8	108.2	99.1	102.5	109.7	86.8	138.3	109.3	105.3	98.7	110.4	108.0	105.3	107.6

GDP=Gross domestic product

Table 3.—Fixed-Weighted and Alternative Price Indexes for Gross Domestic Product [Index numbers, 1987=100]

		Parent	nal consump	ntion evnen	ditures		ixed investme		<u>, </u>	(Gover	rnment purc	hases	Γ	l	Γ
Year	GDP	Total	Durable goods	Non- durable goods	Services	Total	Non- residential	Residen-	Exports	Imports	Total	Federal	State and local	Final sales of domestic product	Gross domestic pur- chases	Gross national product
				3.1			1	ixed-weight	ed index	l			ı	1	l	J
1959		30.5	54.1	31.4	24.1			25.0			23.9	27.2	21.4			
1960		30.9 31.2	53.9 53.6	31.8 32.0	24.7 25.1			25.1 25.1			24.4 24.9	27.6 27.9	22.0 22.5			
1962		31.4 31.6	53.2 53.0	32.1 32.5	25.5 25.9			25.0 24.7	***************************************		25.7 26.2	28.8 29.5	23.3 23.7			
1964		32.0	53.0	32.8	26.3			24.9	***************************************		26.8	30.2	24.2			
1965		32.3 32.9	52.2 51.4	33.3 34.3	26.8 27.5			25.5 26.4	***************************************		27.5 28.6	31.1 32.0	24.7 25.9			
1967 1968		33.8 35.1	52.0 53.2	35.1	28.5 29.7		***************************************	27.2 28.6			29.9 31.5	33.1 34.9	27.3 28.8			
1969		36.4	54.3	36.5 38.1	30.8	***************************************		30.7			33.3	36.7	30.7	***************************************		
1970 1971		38.0 39.6	55.2 56.8	39.9 41.1	32.5 34.4	***************************************		31.7 33.5	***************************************		36.0 38.5	39.6 42.4	33.0 35.3			
1972 1973		40.9 42.8	57.2 57.9	42.4 45.3	36.0 37.5		***************************************	35.6 38.7			41.1 43.7	46.0 48.4	37.3 40.1			
1974		46.8	61.1	51.3	40.4	***************************************		42.8	***************************************		46.9	50.2	44.3			
1975		50.6 53.4	66.2 69.3	55.3 57.5	43.8 46.9	***************************************		46.6 49.7			51.4 54.4	54.6 57.3	48.9 52.2			
1977 1978		56.7 60.7	71.9 75.5	60.8 64.7	50.5 54.6			54.7 61.4			57.6 61.7	60.4 64.1	55.7 59.9			
1979		65.9	80.1	71.3	59.0	***************************************		68.2	***************************************		66.8	68.9	65.1			
1980		72.6 78.9	84.8 89.5	79.6 86.0	65.3 71.9			75.3 81.3			73.3 79.6	75.2 82.3	71.9 77.6			
1982	84.8 88.1	83.2 86.7	92.4 93.7	88.8 91.1	77.4 82.4	95.8 95.0	100.6 98.5	85.3 87.3	100.1 99.5	101.5 98.0	85.0 88.5	88.5 92.2	82.3 85.5	84.9 88.2	85.5 88.3	84.9 88.2
1984	91.1	89.9	94.9	93.7	86.4	94.8	97.0	89.8	99.8	97.0	92.2	95.6	89.6	91.2	91.1	91.1
1985 1986	94.3 97.0	93.3 96.1	96.0 97.1	96.2 96.2	90.9 95.8	95.8 97.9	97.5 98.9	92.1 95.8	98.2 97.3	94.6 93.8	95.4 97.6	97.9 99.0	93.5 96.5	94.4 97.0	94.1 96.6	94.4 97.0
1987 1988	100.0 103.9	100.0 104.3	100.0 102.0	100.0 103.8	100.0 105.1	100.0 103.2	100.0 102.7	100.0 104.3	100.0 105.7	100.0 105.4	100.0 103.7	100.0 102.8	100.0 104.3	100.0 104.0	100.0 103.9	100.0 103.9
1989	108.4	109.3	104.6	109.5	110.4	106.2	105.5	107.8	108.1	108.6	107.9	107.2	108.5	108.5	108.5	108.4
1990	113.1	115.0	106.8	116.2	116.3	108.7	107.9	110.4	109.8	113.3	112.4	112.1	112.7	113.2	113.4	113.1
							Chain-t	ype annual-	weighted in	idex						
1959	27.8	28.0	44.9	29.7	23.4	30.9	34.6	24.2	30.0	21.9	21.5	22.6	20.5	27.6	27.1	27.8
1960	28.2 28.5	28.4 28.7	44.7 44.8	30.2 30.3	24.0 24.5	31.1 31.0	34.7 34.5	24.4 24.4	30.4 30.9	22.2 22.2	21.9 22.3	22.9 23.2	21.0 21.5	28.0 28.3	27.5 27.8	28.2 28.5
1962 1963	28.9 29.3	29.1 29.4	45.0 45.1	30.6 30.9	24.9 25.3	31.0 31.0	34.5 34.6	24.5 24.3	30.8 30.8	21.9 22.3	23.0 23.6	23.8 24.4	22.3 22.8	28.7 29.0	28.2 28.5	28.9 29.2
1964	29.7	29.8	45.4	31.3	25.7	31.2	34.8	24.5	31.0	22.8	24.2	25.2	23.3	29.5	29.0	29.7
1965 1966	30.2 31.1	30.3 31.1	44.9 44.7	31.9 33.0	26.3 27.0	31.7 32.4	35.2 35.7	25.2 26.1	32.0 33.0	23.2 23.7	24.9 25.9	26.0 26.9	23.9 25.1	30.0 30.9	29.5 30.3	30.2
1967 1968	32.1 33.5	31.9 33.1	45.4 46.9	33.7 35.0	27.9 29.1	33.3 34.7	36.6 38.0	27.0 28.4	34.3 35.0	23.9 24.3	27.0 28.6	27.7 29.4	26.5 28.1	31.9 33.3	31.2 32.6	32.1 33.5
1969	35.1	34.5	48.2	36.7	30.3	36.4	39.6	30.4	36.2	24.9	30.4	30.9	30.0	34.9	34.1	35.1
1970 1971	36.9 38.8	36.1 37.8	49.3 51.1	38.5 39.6	31.9 33.9	38.0 39.9	41.4 43.4	31.4 33.2	37.7 39.0	26.4 28.0	33.0 35.4	33.6 36.3	32.5 34.8	36.7 38.6	36.0 37.8	36.9 38.8
1972 1973	40.5 42.7	39.1 41.2	51.7 52.4	41.0 44.2	35.4 37.0	41.7 44.0	45.0 46.7	35.2 38.3	40.3 46.2		38.2 41.1	39.9 42.9	36.9 39.7	38.6 40.2 42.5	39.5 41.8	38.8 40.5 42.7
1974	46.5	45.4	55.7	50.5	39.8	48.4	51.3	42.3	57.2	50.5	45.1	46.6	43.9	46.2	46.0	46.5
1975 1976	50.9 53.8	49.1 51.8	60.8 64.2	54.4 56.5	43.1 46.3	54.5 57.7	58.5 61.8	46.2 49.2	63.1 65.4	54.7 56.5	49.7 53.0	51.3 54.7	48.4 51.7	50.6 53.6	50.3 53.2	50.9 53.8
1977 1978	57.3 61.5	55.3 59.3	67.0 70.8	59.7 63.8	50.0 54.0	62.2 67.6	65.9 70.5	54.3 61.0	68.2 72.1	61.7 65.6	56.7 60.8	58.3 62.5	55.3 59.5	57.0 61.3	56.8 61.1	57.3 61.5
1979	66.7	64.6	75.5	70.8	58.4	73.8	76.3	67.8	80.9	76.8	66.2	67.9	64.8	66.5	66.5	66.7
1980 1981	72.7 79.4	71.7 78.1	82.0 87.5	79.4 85.9	64.5 71.1	80.7 88.3	83.1 91.3	74.8 80.8	89.0 95.1	95.7 100.9	73.1 79.4	75.2 82.4	71.5 77.1	72.6 79.2	73.5 80.1	72.8 79.4
1982 1983	84.4 87.9	82.6 86.4	91.0 93.0	88.7 91.0	76.9 82.1	93.2 93.1	96.5 95.6	85.1 87.2	96.7 97.7	98.2 95.1	84.7 88.2	88.2 91.9	82.0 85.4	84.3 87.9	84.8 87.9	84.5 88.0
1984	91.1	89.8	94.3	93.6	86.3	93.7	95.5	89.7	99.2	94.9	92.0	95.1	89.6	91.0	90.9	91.2
1985 1986	94.4 97.0	93.2 96.0	95.6 97.0	96.1 96.1	90.8 95.8	95.2 97.7	96.6 98.6	92.0 95.8	97.8 97.1	92.9 93.5	95.3 97.5	97.7 98.8	93.5 96.5	94.3 97.0	94.0 96.6	94.4 97.0
1987 1988	100.0 103.9	100.0 104.2	100.0 102.0	100.0 103.8	100.0 105.1	100.0 103.2	100.0 102.8	100.0 104.2	100.0 105.5	100.0 105.2	100.0 103.6	100.0 102.7	100.0 104.3		100.0 103.9	100.0 103.9
1989	108.3	109.2	104.4	109.4	110.3	106.2	105.4	107.8	107.9	108.4	107.8	106.9	108.5	108.4	108.4	108.3
1990	112.8	114.8	106.4	116.0	116.2	108.4	l 107.6	110.4	109.6	113.0	112.2	111.4	112.7	113.0	113.2	112.8

Table 3.—Fixed-Weighted and Alternative Price Indexes for Gross Domestic Product—Continued [Index numbers, 1987=100]

		1 2	•	-11	.m								<u> </u>			
		Perso	nal consum	ption expen	altures	F	ixed investme	nt		·	Gove	nment purc	nases	Final	Gross	Gross
Year	GDP	Total	Durable goods	Non- durable goods	Services	Total	Non- residential	Residen- tial	Exports	Imports	Total	Federal	State and local	sales of domestic product	domestic pur- chases	national product
							Bench	mark-years-\	weighted in	dex						
1959	28.0	28.0	45.0	29.8	23.5	34.2	38.8	24.4	31.4	23.1	21.4	22.3	20.5	28.0	27.4	28.0
1960 1961 1962 1963 1964	28.8 29.1	28.8 29.1 29.5	44.8 44.9 45.1 45.3 45.5	30.2 30.4 30.6 31.0 31.4	24.0 24.5 24.9 25.3 25.7	34.4 34.2 34.2 34.1 34.1	38.9 38.7 38.6 38.7 38.6	24.6 24.6 24.7 24.5 24.7	31.8 32.3 32.3 32.2 32.4	23.3 23.3 23.0 23.4 23.9	21.8 22.2 22.9 23.4 24.1	22.7 23.0 23.6 24.2 25.0	21.0 21.5 22.3 22.8 23.3	28.4 28.7 29.1 29.5 29.9	27.8 28.1 28.4 28.8 29.2	28.4 28.7 29.1 29.5 29.9
1965 1966 1967 1968 1969	31.3 32.3 33.7	31.1 32.0 33.2	45.1 44.9 45.7 47.1 48.4	32.0 33.0 33.8 35.1 36.7	26.3 27.0 27.9 29.1 30.3	34.6 35.2 36.3 37.6 39.4	38.8 39.3 40.4 41.5 43.1	25.4 26.3 27.2 28.6 30.6	33.5 34.5 36.0 36.7 37.9	24.3 24.9 25.0 25.4 26.1	24.8 25.8 26.9 28.5 30.3	25.7 26.6 27.4 29.1 30.7	23.9 25.1 26.6 28.1 30.1	30.4 31.3 32.3 33.7 35.3	29.7 30.6 31.5 32.8 34.3	30.4 31.3 32.3 33.7 35.2
1970 1971 1972 1973 1974	39.0	37.8 7 39.2 1 41.3	49.5 51.3 51.9 52.7 56.0	38.5 39.7 41.0 44.2 50.5	31.9 33.9 35.4 37.0 39.9	41.0 43.1 45.1 47.4 52.0	45.1 47.2 49.0 50.6 55.4	31.6 33.4 35.5 38.6 42.6	39.6 40.9 42.3 47.8 58.7	27.6 29.3 31.4 36.8 52.5	32.9 35.3 38.1 41.0 45.0	33.4 36.0 39.6 42.5 46.3	32.6 34.9 37.0 39.8 44.0	37.1 39.0 40.8 43.0 46.7	36.2 38.1 39.8 42.2 46.4	37.1 39.0 40.7 43.0 46.7
1975 1976 1977 1978 1979	54. 57.0 61.4	51.9 5 55.4 5 59.4	61.2 64.6 67.5 71.2 75.9	54.4 56.4 59.8 63.9 70.9	43.2 46.3 50.1 54.1 58.5	58.3 61.7 66.6 69.7 75.5	62.8 66.4 70.8 72.7 78.0	46.6 49.6 54.7 61.4 68.2	64.6 66.7 69.6 73.0 81.6	57.0 58.8 64.3 68.3 79.3	49.7 52.9 56.5 60.7 65.9	51.2 54.3 58.0 62.1 67.4	48.5 51.7 55.4 59.5 64.7	51.0 54.0 57.6 61.4 66.6	50.7 53.6 57.4 61.2 66.6	51.1 54.1 57.6 61.4 66.6
1980 1981 1982 1983 1984	79.: 84.: 87.:	78.3 82.7 86.4	82.2 87.7 91.2 92.9 94.2	79.5 86.0 88.7 91.0 93.6	64.7 71.3 77.1 82.1 86.3	82.0 89.6 94.3 93.9 94.2	84.5 92.7 97.8 96.4 95.9	75.2 81.2 85.2 87.3 89.9	89.6 95.9 97.8 98.1 99.2	98.2 103.8 100.4 97.1 96.6	72.9 79.2 84.5 88.0 91.8	74.8 82.0 87.8 91.5 94.9	71.5 77.1 82.0 85.3 89.5	72.6 79.2 84.4 87.8 90.9	73.6 80.2 84.8 87.8 90.8	72.7 79.3 84.3 87.8 90.9
1985 1986 1987 1988 1989	96.9 100.0	96.0 100.0 104.2	95.4 96.8 100.0 101.9 104.4	96.1 96.1 100.0 103.8 109.4	90.8 95.7 100.0 105.1 110.3	95.7 98.0 100.0 103.1 106.0	97.0 98.8 100.0 102.7 105.3	92.2 95.8 100.0 104.2 107.8	97.8 96.9 100.0 105.3 107.7	94.5 93.2 100.0 105.1 108.2	95.1 97.3 100.0 103.7 107.9	97.4 98.5 100.0 102.8 107.1	93.4 96.4 100.0 104.3 108.5	94.2 96.9 100.0 104.0 108.4	93.9 96.6 100.0 103.9 108.5	94.2 96.9 100.0 103.9 108.4
1990	113.0	114.9	106.5	116.0	116.2	108.3	107.5	110.4	109.3	112.7	112.3	111.8	112.7	113.1	113.3	113.0

GDP=Gross domestic product

Economic Theory and BEA's Alternative Quantity and Price Indexes

By Jack E. Triplett

This issue, BEA is introducing new, alternative price and quantity indexes for the major components of the national income and product accounts (see "Alternative Measures of Change in Real Output and Prices" on page 32). This article describes the index number theory underlying these alternative indexes and discusses the interpretation of them.

Index number theory

Economic theory has long been used to specify the construction of price and quantity index numbers. The modern treatment originated in an article published in the 1920's by the Russian mathematician and economist A.A. Konüs. Konüs analyzed the measurement of consumer prices, the theory of which he named the "true index of the cost of living." Cost-of-living index theory was developed independently by Englishlanguage economists in the early 1930's. The theory was summarized by Ragnar Frisch in 1936 in a famous review article on index numbers.²

The theory of the cost-of-living index applies directly to the measurement of consumption prices, such as the price index for the personal consumption expenditures (PCE) component of gross domestic product (GDP). This article will summarize the theory of the cost-of-living index, which is the best known and best developed part of the economic theory of index numbers; with suitable changes in language and notation and in some conditions and assumptions, the principles can be extended to investment goods as well.

Cost-of-living index number theory proceeds from the proposition that a consumption price index should measure the change in the cost of maintaining a fixed, or constant, standard of living. If the price index holds the standard of living constant, then any increase in per capita consumption expenditures that exceeds the increase in the price index can be interpreted as an increase in the standard of living. Conversely, if per capita consumption expenditures rise more slowly than the price index, the standard of living, or *real* per capita consumption, is falling. Real consumption, either per capita or in the aggregate, can be expressed as a quantity index, which is the counterpart of the consumption price index.

Thus, from the standard-of-living orientation, the price index measures the changing cost of a constant standard of living, and the quantity index measures increases or decreases in the standard of living. The same interpretation may also be given to conventional fixed-weighted indexes, such as the base-weighted indexes that traditionally have been employed in measuring real GDP. In the fixed-weighted PCE price index, one holds constant the collection of goods and services actually consumed in 1987, which is a way of holding constant the living standard that existed in 1987.

Cost-of-living index theory stresses, however, that consumers can reach the same standard of living in more than one way. Consumers may substitute between commodities that serve similar general purposes (for example, chicken or fish for beef) or even dissimilar ones (a new car for a vacation). Substitution implies that differing collections of goods and services may still represent equivalent standards of living.

Moreover, nationwide data indicate that consumers systematically substitute away from those goods and services whose prices rise the most rapidly and toward those goods and services whose prices rise less rapidly or decline. Commodities whose prices grow most rapidly show, on average, the slowest growth in consumption; commodities whose prices grow more slowly (or decline) show, on average, the most rapid growth in consumption. The same patterns also apply to many nonconsumption goods, such as investment or capital goods; for example, the prices of computer equipment have declined at

A.A. Konüs, "The Problem of the True Index of the Cost of Living," Econometrica 7 (January 1939): 10–29.

^{2.} Ragnar Frisch, "Annual Survey of General Economic Theory: The Problem of Index Numbers," *Econometrica* 4 (January 1936): 1–38.

an extremely rapid rate over the past several decades, while the proportion of investment expenditures accounted for by computer equipment has increased dramatically.

Economic theory suggests that a consumption price index that truly tracks the cost of living should be based on the costs of collections of commodities that represent equivalent living standards and that this index should not, therefore, hold quantities fixed as consumers shift their expenditures. For example, when chicken is substituted for beef, one should look at meat consumption as a whole, rather than at fixed quantities of different kinds of meats, and perhaps one should even look at food consumption as a whole, rather than at fixed quantities of meat, vegetables, and so forth.

Economic theory also suggests that when consumers do substitute toward commodities whose prices rise less rapidly or decline, the cost of maintaining an equivalent standard of living rises less rapidly than the cost of the fixed basket of commodities that were consumed in a previous period, such as 1987. For example, when used to measure consumption prices between 1987 and 1992, a fixed basket of the commodities consumed in 1987 gives too much weight to the prices that rise rapidly over the timespan and too little weight to the prices that fall; as a result, using the 1987 fixed basket overstates the 1987-92 costof-living change. Conversely, because consumers substitute, a fixed basket of the commodities consumed in 1992 gives too much weight to the prices that have fallen over the timespan and too little to the prices that have risen; as a result, the 1992 fixed basket understates the 1987-92 cost-of-living change.

The difference between a fixed-weighted price index and a price index that accounts for substitution is often termed the "substitution bias" in fixed-weighted indexes.

Development of superlative indexes

The theoretical cost-of-living index was for many years regarded as purely an abstraction, an idea that could not be implemented in actual price index calculations. To compute a constant standard of living, one would have to know how much consumers substitute among commodities in response to relative price changes. In other words, one would have to be able to separate changes in consumption spending that raise (or lower) the standard of living from changes in spending that merely represent alternative ways of achieving the same living standard. Even with

econometric methods, which have been applied to the problem,³ the research task is enormous, and the research results still leave a range of uncertainties.

In 1976, W. Erwin Diewert published an article that suggested a relatively simple way to approximate the theoretical cost-of-living index.⁴ Abandoning the attempt to find a formula for the "exact" cost-of-living index, Diewert showed that a class of index numbers, which he named "superlative index numbers," would give good approximations to the "exact" formula. Some of these superlative index formulas turn out to be relatively simple to compute and use.

One of the most attractive of these superlative index numbers is the Fisher Ideal index, proposed by Irving Fisher in 1922. The Fisher Ideal index is simply the geometric mean of the fixed-weighted Paasche and Laspeyres indexes, the formulas for which have long been the primary ones used in constructing indexes for the U.S. national accounts.⁵

Another superlative index is the Tornqvist index, developed in the 1930's at the Bank of Finland. This index is a logarithmically defined index that employs an average of the weights for the two periods being considered.⁶

Diewert showed that the Fisher Ideal index and the Tornqvist index are theoretically better measures of the cost of living than the traditional fixed-weighted Paasche or Laspeyres indexes. The superlative indexes accommodate substitution in consumer spending while holding living standards constant, something the Paasche and Laspeyres indexes do not do. From the view of theory, the Fisher Ideal formula and the Tornqvist formula are equally good; therefore, one can choose between the two on pragmatic grounds.

$$\sqrt{\frac{\sum P_1 Q_2}{\sum P_1 Q_1}} \times \frac{\sum P_2 Q_2}{\sum P_2 Q_1}.$$

6. Logarithm of Tornqvist quantity index =

$$\sum \ln \left(\frac{Q_2}{Q_1}\right) \frac{1}{2} \left(\frac{P_1 Q_1}{\sum P_1 Q_1} + \frac{P_2 Q_2}{\sum P_2 Q_2}\right).$$

^{3.} The major studies are by Steven D. Braithwait, "The Substitution Bias of the Laspeyres Price Index: An Analysis Using Estimated Cost-of-Living Indexes," American Economic Review 70 (March 1980): 64–77; and Marilyn E. Manser and Richard J. McDonald, "An Analysis of Substitution Bias in Measuring Inflation, 1959–85," Econometrica 56 (July 1988): 909–930.

^{4.} W. Erwin Diewert, "Exact and Superlative Index Numbers," Journal of Econometrics 46 (May 1976): 115-45.

^{5.} Fisher Ideal quantity index =

The Fisher Ideal formula is somewhat easier to compute than the Tornqvist formula; modern computers make this only a marginal advantage. The Fisher Ideal index is also somewhat easier to interpret; a user can examine its component Laspeyres and Paasche indexes to gain a mechanical understanding of movements in the index, and such calculations assist in the analysis of price and quantity movements.

Finally, a major advantage of the Fisher Ideal formula is that it has a "dual" property that is not shared by the Tornqvist formula. A Fisher Ideal price index implies a Fisher Ideal quantity index, and the converse: That is, the product of a Fisher Ideal price index between two periods and a Fisher Ideal quantity index between the same two periods is equal to the total change in value (change in current-dollar expenditures) between those periods. In contrast, a Tornqvist price index multiplied by a Tornqvist quantity index does not equal the change in value between the two periods. In fact, the quantity index that corresponds to a Tornqvist price index does not have an explicit, algebraic formula (and likewise, the price index corresponding to a Tornqvist quantity index has no explicit formula).

Constructing time series with superlative indexes

Though economic theory indicates preferred index number formulas for making two-period comparisons, it gives less guidance on forming time series of index numbers covering three or more periods.

Consider the following table of annual price indexes that can be computed covering the years 1987–90:

	Initial year										
Terminal year	1987	1988	1989	1990							
1987	I _{87,87}										
1988	I _{87,88}	I _{88,88}									
1989	I _{87,89}	I _{88,89}	I _{89,89}								
1990	I _{87,90}	I _{88,90}	I _{89,90}	I90,90							

Each entry in the table designates a superlative index (the Fisher Ideal, in these examples) that measures price change between 2 years with different quantity weights. For example, I_{87,88} is a Fisher Ideal index number computed as the geometric mean of two indexes measuring price change between 1987 and 1988; the first uses weights from 1987 and the second, weights from

1988. Similarly, $I_{87,90}$ measures price change between 1987 and 1990 using a Fisher Ideal formula that is the geometric mean of one index having 1987 weights and a second having 1990 weights.

Starting with the index for 1987 (I_{87,87}, which is, of course, equal to 1), there are two ways to measure price change between 1987 and 1990. One way is to use the "direct" index calculation procedure—that is, to go straight down the column labeled 1987 to compute the direct index number between 1987 and the year that is designated. The index $I_{87,88}$, for example, uses weights for 1987 and 1988; the index I87,89 uses weights for 1987 and 1989 (ignoring 1988), and the index I_{87,90} uses weights for 1987 and 1990. In this time series of index numbers, each entry measures price change from the base year of 1987 directly to the designated year, without considering either prices or quantities of intervening years. A statistical table would then record the results of the computations indicated in the column headed "1987" in the table.

The disadvantage of the direct index procedure is that some relevant index calculations are not in the 1987 column. Suppose one wants to know the price change between 1988 and 1989. For most purposes, it is reasonable to specify that the weights for such a price index should be taken from 1988 and 1989 (that is, the index I_{88,89} from the second column of the table). This index is not, of course, present in the 1987 column. For some purposes, therefore, the direct index procedure does not give the "best," or most relevant, measure of period-to-period price change.

The second way to obtain price measures between 1987 and 1990 is to use the "chain" index calculation procedure. In terms of the table, the chain index uses the calculations that are indicated by the boldfaced diagonal; that is, starting with the $I_{87,88}$ index value, this value is multiplied by the indexes in the boldfaced diagonal, so that the chain index $(1987-90) = I_{87,87} \times I_{87,88} \times I_{88,89} \times I_{89,90}$. With the chain index procedure, the price index for every adjacent pair of years has weights from exactly those 2 years.

The disadvantage of the chain index procedure is that for price comparisons over a whole period, such as 1987–90, the chain index incorporates all the intervening shifting weights. Thus, if one wants to know the change in the cost of a constant standard of living between 1987 and 1990, the answer is given by the direct index I_{87,90}, which has weights only from 1987 and 1990.

It may be difficult to decide which calculation procedure to use. Neither one is best for

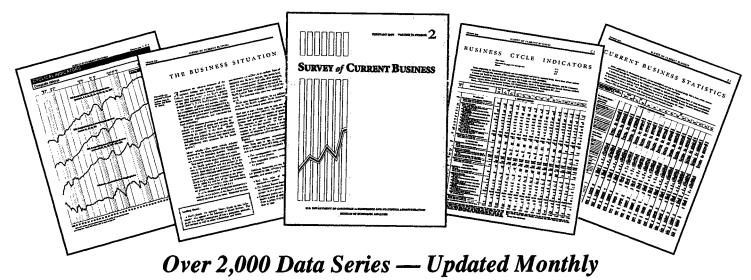
all purposes. For some purposes, one wants a measure of the total change between 1987 and 1990; this will generally be given by the direct index between 1987 and 1990. However, for other purposes, one wants the best measure for, say, 1989-90, which is obtained from one of the links in the chain index. Because there are different uses for price measures—and also for quantity measures—it is generally advantageous for users to have access both to chain indexes, which are preferable for year-to-year or quarter-to-quarter comparisons, and to some form of direct index, which is preferable for longer term comparisons (1982 to 1987, or 1987 to 1990). To provide measures for different purposes, the new BEA alternative price and quantity measures include both a chain-type index (the annual weighted index) and a form of direct index (the benchmark-years-weighted index), both of which are based on the Fisher Ideal index number formula.

One qualification needs to be stated. For very long intervals, the assumptions necessary to produce direct indexes become insupportable. Suppose, for example, one wished to compare the change in a fixed standard of living between 1930 and 1990. Such a question becomes conceptually problematic because over an interval of 60 years, too many changes have occurred in the economy, in the way people live, and in tastes and customs. It might be reasonable to assume that economic conditions are sufficiently constant over, say, 5 years, so that a meaningful cost-of-living index can be computed. Computing one over 10 years poses perhaps a few more problems (for example,

new goods are introduced or tastes change), but the calculations may still be useful because the assumptions necessary to make such calculations are not sufficiently implausible as to render the interpretation of the numbers meaningless. The problematical parts become increasingly of concern as the interval lengthens to 15, 20, or 25 years. As one pushes these comparisons back further in time, any economic measurement becomes increasingly uncertain. Measuring the cost of a constant standard living over an interval as long as 500 years or more (which has been tried in some studies in economic history) involves a very large range of uncertainty that cannot be eliminated by any refinements in the formula used for calculating the price index.

The new BEA alternative price and quantity indexes provide direct indexes (in the form of the benchmark-years-weighted indexes) that cover the intervals between benchmarks, usually 5 years. Indexes for longer intervals (10 or 15 years or more) are produced by chaining these benchmark-years-weighted indexes together. Using this procedure does not necessarily imply that chain indexes are preferred for long-term comparisons. Rather, it recognizes that time series of index numbers will always require compromise, and the compromise adopted seems a useful one. The benchmark-years-weighted index procedure could readily be adapted to provide direct indexes covering longer intervals (for example, 1977-87, which encompasses two benchmark intervals), and such indexes might be of interest for some purposes. 📶

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Annual Input-Output Accounts of the U.S. Economy, 1987

THIS REPORT PRESENTS the annual input-output (I-O) accounts of the U.S. economy for 1987, the first annual accounts based on the 1982 benchmark I-O accounts. Unlike the 1982 benchmark I-O accounts, the 1987 annual accounts feature gross domestic product (GDP) in place of gross national product as the measure of U.S. production, a change introduced by BEA in last year's comprehensive revision of the national income and product accounts (NIPA's). (The replacement of GNP with GDP leads to a redefinition of net exports of goods and services to exclude net receipts of factor income.) The NIPA revision also introduced a number of definitional and classificational changes, but these changes have not yet been incorporated into the I-O accounts. The benchmark I-O accounts for 1982 and the annual accounts for 1987 will be revised later this year to reflect these changes.

Because they are based on the 1982 benchmark 1-0 accounts, the annual 1-0 accounts for 1987 are not consistent with those for earlier years, which were based on earlier benchmark accounts. For example, the annual accounts for 1980–86 are based on relationships between industry output and commodity consumption from the 1977 benchmark accounts.

The procedure used to prepare annual 1-0 accounts is basically the same as that used for benchmark accounts; however, the annual accounts are based on less comprehensive and less reliable source data. The procedure for each tables has four steps: (1) Determine industry and commodity output totals, (2) estimate

Table A.—Comparison of GDP Estimates in the NIPA's and in the I-O Accounts, 1987

[Billions of dollars]

	NIPA's¹	I-O accounts	NIPA's less I-O accounts (col. 1 – col. 2)	Effect of NIPA defini- tional and classifica- tional changes ²	Differ- ence (col. 3 – col. 4)
	(1)	(2)	(3)	(4)	(5)
Gross domestic product	4,539.9	4,531.3	8.6	10.6	-2.0
Personal consumption expenditures Gross private domestic investment Net exports of goods and services Government purchases	3,052.2 749.3 -143.1 881.5	2,996.5 751.1 -143.5 927.2	55.7 -1.8 .4 -45.6	°58.6 -2.2 0 -45.6	-2.9 .4 .4 0

c Corrected

the commodity composition of intermediate consumption for each industry based on benchmark relationships, (3) derive each final-use component of GDP and its commodity composition, and (4) balance the accounts.³

The 1987 annual I-O estimates of final use—that is, the estimates of GDP components—differ from the corresponding NIPA estimates for 1987 as published in the comprehensive revision for two reasons. First, the I-O estimates incorporate additional source data and are based on estimating methods that reflect these source data. Second, as previously noted, they do not reflect the definitional and classificational changes incorporated in the comprehensive NIPA revision. Table A shows the difference between the NIPA and the I-O estimates of GDP and its components for 1987; in addition, column 4 quantifies the effect of the definitional and classificational changes on the NIPA estimates, and column 5 shows the effects of incorporating the additional source data into the I-O estimates.

The 1987 annual I-O accounts, at the two-digit industry/commodity level, are presented in five tables: (1) The make of commodities by industries, (2) the use of commodities by industries, (3) commodity-by-industry direct requirements, (4) commodity-by-commodity total requirements, and (5) industry-by-commodity total requirements. The structure of these tables is identical to that of the tables published for the two-digit industry/commodity benchmark I-O accounts except that tables 2 and 3 do not show the components of value added. This report presents only tables 1 and 2; see the next section, "Data availability", for information about obtaining the other tables.

Data availability

The 1987 I-O accounts are available in magnetic tape, diskette, and computer printout forms. A magnetic tape containing data in tables 1 through 5 costs \$100 (accession no. 51-92-00-001), a diskette (5¼ inch only) costs \$20 (accession no. 51-92-40-001),

Acknowledgments

The 1987 annual 1-0 accounts were prepared under the direction of Mark A. Planting, Chief of the Auxiliary Studies Branch. Staff contributors were William A. Allen, Timothy D. Aylor, Alvin D. Blake, Cheryl L. Carlson, Esther M. Carter, Patricia L. Crellin, Sergio B. Delgado, Nicholas R. Dopuch, William McCarthy, Timothy C. Mooney, Edward T. Morgan, Diane E. Nisson, Robert S. Robinowitz, Courtney L. Slater, Sinclair L. Szebrat, Dominique P. Watkins, Patricia A. Washington, and Raquel T. Watson.

^{1.} For a description of the 1982 benchmark 1-0 accounts, see "Benchmark Input-Output Accounts for the U.S. Economy, 1982," SURVEY OF CURRENT BUSINESS 71 (July 1991): 30-71. For the 1982 benchmark 1-0 accounts at the six-digit level for 541 industries and commodities, see U.S. Department of Commerce, Bureau of Economic Analysis, The 1982 Benchmark Input-Output Accounts of the United States (Washington, DC: U.S. Government Printing Office, December 1991).

^{2.} For information about the comprehensive NIPA revision, see "A Preview of the Comprehensive Revision of the National Income and Product Accounts: Definitional and Classificational Changes," SURVEY 71 (September 1991): 23–31; and "The Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes," SURVEY 71 (December 1991): 24–42.

^{1.} The NIPA estimates are from table 1.1 on page 25 in the January 1992 SURVEY OF CURRENT BUSINESS.

The definitional and classificational changes are described in the September 1991 SURVEY and quantified in the December 1991 SURVEY.

^{3.} For more detailed information on the preparation of annual 1-0 accounts, see "Input-Output Accounts of the U.S. Economy, 1981," SURVEY 67 (January 1987): 42-58.

^{4.} The change that recorded exports and imports of services in the NIPA's on a gross basis does not contribute to the difference between the 1-0 and the NIPA estimates, because the 1-0 accounts had previously recorded these series on a gross basis.

and a computer printout costs \$55 (accession no. 51–92–20–001). Orders for the magnetic tape must specify the density (1600 BPI or 6250 BPI) and whether or not internal labels are needed.

To order, write to Public Information Office, Order Desk, BE-53, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230. Specify the item, BEA accession number, and price of the product being ordered. For foreign shipment, add 25 percent to the total amount of the order. A check or money order payable to "Bureau of Economic Analysis" must accompany all written orders; be sure to include a return address. To place an order using MasterCard or visa, call the

Interindustry Economics Division at (202) 523-0792.

In addition, some of the supplementary tables for the 1982 benchmark 1-0 accounts—the personal consumption expenditures by NIPA category table, the gross private fixed investment by NIPA category table, and the 1-0 workfile table—are now available on diskettes. These tables were described in the July 1991 SURVEY OF CURRENT BUSINESS article "Benchmark Input-Output Accounts for the U.S. Economy, 1982." For further information about these products or how to order them, call the Interindustry Economics Division at (202) 523—0792.

Tables 1 and 2 follow.

Errata Benchmark Input-Output Accounts

The tables for the article "Benchmark Input-Output Accounts for the U.S. Economy, 1982," which appeared in the July 1991 Survey of Current Business, contained several errors.

Some of the headings for table 1 ("The Make of Commodities by Industries, 1982") and table 5 ("Industry-by-Commodity Total Requirements, 1982") were incorrect. In table 1, column 99 should have read "Total industry output." In table 5, on pages 62, 64, and 66, the table explanation should have read "Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column."

Table 2 ("The Use of Commodities by Industries, 1982") contained errors in the values for "Other agricultural products" on page 42. The corrected inputs are shown below.

[Millions of dollars]

modity number		Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agri- cultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non- ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical and fertilizer mineral mining
S	Industry number	1	2	3	4	5	6	7	8	9	10
2	Other agricultural products	24,596	3,091		1,128						

Table 1.—The Make of Commodities by Industries, 1987 [Millions of dollars at producers' prices]

For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agri- cultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non- ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chen an fertil mine min
Commodity number	1	2	3	4	5	6	7	8	9	1
Livestock and livestock products	74,968		114	345						
Other agricultural products		80,836	1,657 8,487	1,080				***************************************		[
Agricultural, forestry, and fishery services			0,407	16,582				***************************************		
ron and ferroalloy ores mining					1,520	5 000		***************************************		
Nonferrous metal ores mining					130	5,239 3	26,004	1	10 8	
Crude petroleum and natural gas					••••••			77,369		
Stone and clay mining and quarrying						1 2	4	***************************************	9,917	l
New construction										
Repair and maintenance construction					***************************************			***************************************		
Food and kindred products	***************************************				*************		***************************************			
Tobacco manufactures										
Broad and narrow fabrics, yarn and thread mills	***************************************				***************************************			***************************************		
Apparel					***************************************					
Miscellaneous fabricated textile products					***************************************					ļ
Wood containers										
Household furniture										
Other furniture and fixtures	***************************************				***************************************		***************************************		***************************************	*******
Paperboard containers and boxes				***************************************	***************************************			***************************************	***************************************	
Printing and publishing					***************************************			3		
Plastics and synthetic materials									'	l
Drugs, cleaning and toilet preparations										
Paints and allied products					************				11	*******
Rubber and miscellaneous plastics products										
Leather tanning and finishing					***************************************					
Glass and glass products					***************************************					
Stone and clay products									23	
Primary iron and steel manufacturing				***************************************					2	
Metal Containers										
Heating, plumbing, and fabricated structural metal products								***************************************		
Other fabricated metal products		,		***************************************						
Engines and turbines				•••••			***************************************			
Construction and mining machinery					***************************************					
Materials handling machinery and equipment										
Metalworking machinery and equipment				***************************************	***************************************					
General industrial machinery equipment	***************************************									
Miscellaneous machinery, except electrical				••••••						
Service industry machines				***************************************						
Electric industrial equipment and apparatus										•
Electric lighting and wiring equipment				***************************************						
Radio, TV, and communication equipment				***************************************				***************************************		
Electronic components and accessories				***************************************						
Motor vehicles and equipment				***************************************						
Aircraft and parts		***************************************		.,	***************************************					
Scientific and controlling instruments				***************************************						
Optical, ophthalmic, and photographic equipment				***************************************						
Fransportation and warehousing				***************************************						
Communications, except radio and TV		***************************************		***************************************			***************************************			
Radio and television broadcasting				***************************************				59		
Wholesale and retail trade				**,						
Finance and insurance				***************************************						
Hotels; personal and repair services (except auto)				***************************************						
Business services										.,,,,,,,
Automobile repair and services				***************************************					***************************************	
Amusements ————————————————————————————————————										
Tealth, educational, and social services and nonprofit organizations										
State and local government enterprises										
Government industry										
Household industry										
nventory valuation adjustment										
								1		

^{*}Less than \$500,000.

Table 1.—The Make of Commodities

	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry	New con- struction	Repair and main- tenance con- struction	Ordnance and accessories	Food and kindred products	Tobacco manu- factures	Broad and narrow fabrics, yarn and thread mill	Miscel- laneous textile goods and floor coverings	Apparel	Miscel- laneous fabricated textile products	Lumber and woo products except containe
	.Commodity number	11	12	13	14	15	16	17	18	19	20
	ivestock and livestock products				3,072						
	orestry and fishery products				771						ļ
A	gricultural, forestry, and fishery services	***************************************									
H	on and ferroalloy ores mining					***************************************	***************************************				
ö	cal mining						*************				
C	crude petroleum and natural gas						***************************************				
č	tone and clay mining and quarrying						***************************************				**********
١	lew construction	430,911					***************************************				
	lepair and maintenance construction	***************************************	166,047	26,595							
F	ood and kindred products			20,030	327,548		***************************************	***************************************			
	obacco manufactures					26,364					
L	road and narrow fabrics, yarn and thread mills			***************************************	1		34,483 448	165 15,221	153 78	1,742 117	l
A	pparel						165	19	63,264	294	
Ņ	fiscellaneous fabricated textile products				5		21	41	22	14,865 8	6
٧	Vood containers	*****************	***************************************								۰ ۳
۲	lousehold furniture			1				(*)		48	i
Ë	Other furniture and fixtures	***************************************		17	(*)	45	4	70		13 34	1
F	aperboard containers and boxes		***************************************	***************************************	Υí			1			1
F	trinting and publishing		***************************************	1			1	39		8	
È	lastics and synthetic materials				146 20		85	653		2	
ľ	Prugs, cleaning and toilet preparations			***************************************	123					21	
F	airts and allied products						1				
F	Subber and miscellaneous plastics products			1	11		36	150	117	36	
L	eather tanning and finishing		***************************************				(*)		4	(*)	
f	ootwear and other leather products	4	***************************************						49	3	í
S	itone and clay products	***************************************		***************************************	***************************************		2.	34		1	1
F	rimary iron and steel manufacturing			11			***************************************			***************************************	
N	rimary nonferrous metals manufacturing	***************************************	***************************************						(*)		l
ŀ	leating, plumbing, and fabricated structural metal products			47			1	1		2	
5	crew machine products and stampings			5 10			3	5		3	1
È	ingines and turbines		***************************************	l iŏ		************					
F	arm and garden machinery							1		2	ŀ
ì	Construction and mining machinery		***************************************	l	(*)	***************************************					
ı	Metalworking machinery and equipment			8]						
ì	Special industry machinery and equipment				(*)			(*)		1 5	1
١	Aiscellaneous machinery, except electrical	***************************************	***************************************	į			,			Ĭ	
(Office, computing, and accounting machines			8	***************************************						
	Service industry machines		***************************************		(*)					3	
ŧ	lousehold appliances			1 1						(*)	
E	Electric lighting and wiring equipment			13 201				1			l
ŧ	Electronic components and accessories	***************************************] ~i			,	8			
!	Aiscellaneous electrical machinery and supplies			96							
	Aircraft and parts			1,090						8	
9	Other transportation equipment								1 0	2	Ì
ì	Scientific and controlling instruments			(*)			24	55	63	72	İ
ì	Aiscellaneous manufacturing			33			39	76	8	165	
7	Fransportation and warehousing										
ì	Radio and television broadcasting			***************************************							
ļ	Private electric, gas, water, and sanitary services										
ì	Wholesale and retail trade							***************************************			
i	Real estate and rental							***************************************			
ļ	totels; personal and repair services (except auto)										
1	Business services									***************************************	
į	Automobile repair and services										
,	Amusements										
	Teairn, educational, and social services and nonprofit organizations										
1	State and local government enterprises]				
1	Government industry										
	Rest of the world industry										
	nventory valuation adjustment										

^{*}Less than \$500,000.

by Industries, 1987—Continued

at producers' prices]

Wood con- tainers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Plastics and synthetic materials	Drugs, cleaning and toilet prepar- ations	Paints and allied products	Petroleum refining and related industries	Rubber and miscel- laneous plastics products	Leather tanning and finishing	Footwear and other leather products	Giass and glass products	Stone and clay products
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
***************************************		***************************************		***************************************		***************************************		***************************************		***************************************	***************************************				
				***************************************		***************************************		***************************************							
															(*)
		***************************************			***************************************	144		***************************************		4,272 54					362
						1,181								***************************************	
			***************************************	***************************************	138	42					22	***************************************			
			12 25	23	1	145	8	742			85		1		
			7 164		2	1 8	1,779 1	(7)	***************************************	1	16 149		1 9	1	1
	15	3 28	24	11	1 24	1		()	***************************************	1	10 29		59 31	6	(*)
98 466	198	993	91	2	3	3		m	***************************************		1,506	***************************************	14	240	111
- 1	17,771	89	4	1							36	***************************************	5	147	4
5	99	16,963 13	78,603	85	49 643	101	4	164	10	1	84 641	***************************************	2	3 2	2 7
	1	4	96 559 62	24,804 61	70 81,670	()					198 24		69		(*) 207
			36	2	28	80,491 2,234	5,348 35,659 65	1,591 153	279 138	418 131	403 1,373			6	207 33 15
1			9 37	26	16	1,247 112	84	66,118 29	62 11,594	107 6	206 24			2	17
1	21	31	69 528	61	39	9,546 105	554 119	95 13	64 12	135,468	22 78,094		56	31	115 106
	1	(*)	(*)						***************************************		19	2,195 11	6,162		1
	19	`ź	308	1 2	2	(*) 2 50	11	3 7	6	78	58 170		2	15,409 48	43 44,761
	1	10	2			120 336		i		10	9 31				11 71
		(*) 24	ď	42	32	30	***************************************	***************************************			25 160	***************************************	***************************************	32	35
	9	7	2	10	1	3	1	2	(*)		30		3	5	1 1
	54	74	150	125	226	16	1		4	(*)	163 3		20	6	79
	()	25	1	22		1	(*)	(*)		1	14	***************************************			2
	2	3	2		5	(°) 26		(*)	***************************************		1 30	***************************************			64
1	7 2	1 2	1 1		30 9	3 7	1	1 2	1		39 27				7 9
	12	5 35	67		4 28	36					20			***************************************	13
	1	35 37 (*)	1			2 30	(*)	2		1	37 22		2		129
	16	`3	i			1					22 36 44		ĩ	2 46	20
***************************************	5		1 200	***************************************	12	9	(2)	2			5 98	***************************************	2	6	3
			1		12	3			(1)	3	102	***************************************		27	17 56
(*)	0				1	က်		1		1	148 8			11	(*)
	8	29	171		2	12		72	(*)		12 67	***************************************	13	13 · 41	5
4	48	29 5 38	89 25	2	7 153	226 18	4	168 20	31 3	3	106 175	51	7 39	6 78	11 21
						222			***************************************	20					

				***************************************				***************************************							
		,		***************************************											
															33

	18,295	18,431	81,371	25,281	83,204	96,502	43,646	69,200	12,212	140,582					46,382

Table 1.—The Make of Commodities

[Millions of dollars

For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry	Primary iron and steel manu- facturing	Primary nonferrous metals manu- facturing	Metal con- tainers	Heating, plumbing, and fabricated structural products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construc- tion and mining machinery	Materi handli machin and equipm
Commodity number	37	38	39	40	41	42	43	44	45	46
ivestock and livestock products										

Agricultural, forestry, and fishery services									***************************************	
ron and terroalloy ores mining			***********							
Anferrous metal ores mining			***************************************							
Crude petroleum and natural gas				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	***************************************		*************	***************************************	
Stone and clay mining and quarrying										
Chemical and fertilizer mineral mining										
Ordnance and accessories	7	7		32	10	5	23		(*)	
food and kindred products			91		Š			26		
obacco manufactures			2							
	***************************************	(*)	*************	(*)	1	18				l
ipparel			***************************************			(*)			***************************************	
Aiscellaneous fabricated textile products				2	6	3		i i		1
umber and wood products, except containers	(*)		***********	70	42	96				l
				11	6	(°) 13				
Other furniture and fixtures	6			68	18	29	4	2		
aper and allied products, except containers			***************************************	[]	1	137				
aperboard containers and boxes	() () 29		28		24	3				
rinting and publishing	20	33		3	, į	51 14	1	2		
Plastics and synthetic materials	1					1				
Orugs, cleaning and toilet preparations	1					6				
			***************************************	1		2				······
Rubber and miscellaneous plastics products	9	63	79	42	115	127		3	1	
eather tanning and finishing										
Footwear and other leather products					1	3				l
Glass and glass products]		38	6	14 29			7	
Primary iron and steel manufacturing	64,813	471		254	130	2,112		18	5	l
Primary nonferrous metals manufacturing	371	53,460	3	254 428	27	323		1	1	
Metal containers	(*) 119	89	11,336	41,785	24 105	11	6	(*) 38 85 9	67	
Screw machine products and stampings	28	17	102	41,703	29,758	334 121	l ĕ	85	23	
Other fabricated metal products	406	162	8	214	241	41,585	2	9	43	
Engines and turbines	6 66		***************************************	53 24	6 40	43 18	12,868 302	10.080	10 189	
Construction and mining machinery	56			72	2	97	120	208	14,553	Ì
Materials handling machinery and equipment	2	3		12	3	8	1	3	33	
Metalworking machinery and equipment	67	10 10		21 36	85 8	117 38	25 5	36 27	58 19	
Seneral industrial machinery equipment	11 29	10		128	46	238	85	27	150	ļ
Miscellaneous machinery, except electrical	29 19	ě		27	23 5	131	4	4.	24	
Office, computing, and accounting machines	12			1!	. 5	.11		1		ł
Service industry machines	3	12 24		371 12	18 45	129 40	108	3	1	
Electric industrial equipment and apparatus		28	37	19	102	15		8		
Electric lighting and wiring equipment	159	107		41	39	69		4		
Radio, TV, and communication equipment	(*)	154 81		19	1 22	29 106		2	2	l
Miscellaneous electrical machinery and supplies	6	801		J	4	238	2	5	32	
Motor vehicles and equipment	125	13	(*)	9	660	304	411	5 25	32 38	1
Aircraft and parts	(")	***************************************		9 23	1 1	21 13	509 87	2 65	1 3	l
Other transportation equipment Scientific and controlling instruments	(7)	a		23	12	152		60	3	
Optical, ophthalmic, and photographic equipment		14		1	, 7	6				
Miscellaneous manufacturing	(*)	12		7	20	65		(*)		
Private electric, gas, water, and sanitary services	***************************************									}
	••••••			***************************************						
01		***************************************			1 *********		***************************************	***************************************		
(t-aster managed and anaster and transfer as to see the seast of the s										
Business services		,								
	•••••									
Health, educational, and social services and nonprofit organizations	***************************************									
• '', 'e'. '										
Rest of the world industry		***************************************								
Household industry		***************************************								
nventory valuation adjustment										

^{*}Less than \$500,000.

by Industries, 1987—Continued

at producers' prices]

Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines	Electric industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Radio, TV, and communi- cation equipment	Electronic components and accessories	Miscel- laneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other trans- portation equipment
47	48	49	50	51	52	53	54	55	56	57	58	59	60	61

	***************************************	***************************************	***************************************	***************************************	***************************************							***************************************		
	***************************************	***************************************	***************************************	***************************************		***************************************								
								***************************************		***************************************		***************************************		
		***************************************			······							***************************************		
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************		***************************************	***************************************				••••••	
	***************************************	***************************************									***************************************			
12	22	18	18	***************************************	1	47		(*)	1,927	9	2	2	2,383	1
	4	***************************************	***************************************		7	***************************************	2					***************************************		
	2	2			•••••	1				(*)				7
3				/0\				(*)				30		3
1	217	62		(°)		***************************************	1	294			***************************************	196		7
	3	***************************************		(*)	1		7	4	2	25		1	***************************************	3
(')	1	3 28	2	(*) 10 23	42	6	ż	50	5 (*)	49	/*\		4	15
밁	2 2 5	1				***************************************					8	1		
1 3	5 16	3 15	1 4	35	6	2		(*)	4 3	(*)	1 4		25	
1 4	2			***************************************	9		(*)							
	1			(*)				***************************************	***************************************			***************************************	***************************************	
286	85	13	13 9	(*)	7	30	53	29	4	5	12	230	60	7
(*)	(*)	(*)	***************************************			***************************************	***************************************							
11	(*) 2 9		2 26		8		2	3 8	4	1		18 9	46	3
120	4	5 96	20	(*)				66 100	2	2	2	49		18
15 120 144 1	19	86 (*)	47	(*)		2	***************************************	100	233	45	12	65	75	
22 762 288 22 31 15	52 25 54	(*) 189 49	43 38	(*)	50 34	11 30	22 134	(°) 21 7	21 14	3 45	2 3	176 16	40 53	20
288	54	220 145 32 110	140	17 أ	53 10	39 50	9	34	17	12	2	16 58 239	176	20 24 15 6
31	6 9	145 32	74 7	(*) 2 1	10	320 1	12	27 2	2			239 39 181	179	45
15	33 50	110 68	20 14	(*)	16 33 21	32 6		2	25	1	6 (*)	181 30	25	45 63 17
18,346	237	106	137	\ <u>'</u>	51	91	13	10	1	16	4	114	6	4
18,346 72 42 57 9	33 50 237 15,079 245 60 38 53 42 12 2 27 88 10	68 106 188 22,241	46 170 17,210	3	42 123	13 77 54 153 30	49	1 10	2	8 7	5	102	16 189	5
57 9	60 38	73 6	17,210 19	59,215	8	54 153	2	5	12 1,609	1 3,206	65 9	102 265 14	143 208	6
17 89	53 42	183 131	29 12	8 11	20,002	30 29,883	264 2	38 153		154	54 79	1,227	60 102	20
1	12	11		3	423	18	14,713	9	295 75 10	57		9		9
8 2	27 27	10 8	21 1	45 145	1	341 245	16 260	15,684 99	71,292	549	29 20 181	405 67	29 336	9 30 8
2 30 9 52 8	88 10	48 21	11 21	894 (*)	15	245 469 124	2 149	15,684 99 223 267	2,991 267	44,571 8	181 19,302	20 967 198,597	9 166	1
52	3	72	83 11	1	12	23 33 137	9	10	181 416	1 5	249 5	198,597	115	123 67
3	33 33 12 16 183	48 21 72 94 4 96 3 25	15		11	137	(*)					334 42	80,431 42	28,754 14
5	16 183	96	7	9 53	13	114 12	3	34 52 16	491 244	77 178	183 258	4	91 29	1
7	4	25	8	1	(*)	***************************************	25	16	115	20	4	24	***************************************	164
***************************************	***************************************	***************************************		***************************************	***************************************			***************************************	***************************************	***************************************	***************************************		***************************************	
	***************************************										***************************************			***************************************
	***************************************	***************************************				***************************************	***************************************	*************************	***************************************					
												***************************************	***************************************	
	***************************************	***************************************		***************************************	***************************************	***************************************		***************************************			***************************************		***************************************	

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	***************************************	***************************************	***************************************	***************************************		***************************************								
	***************************************	***************************************		***************************************					***************************************	***************************************				
					***************************************			***************************************					***************************************	
	***************************************										***************************************		***************************************	
20,501	16,765	24,473	18,280	60,501	20,961	32,366	15,750	17,253	80,275	49,062	20,503	203,531	85,037	29,458

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

	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry	Scientific and controlling instruments	Optical, ophthalmic, and photo- graphic equipment	Miscel- laneous manufac- turing	Transpor- tation and ware- housing	Communi- cations, except radio and TV	Radio and TV broad- casting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance
	Commodity number	62	63	64	65	66	67	68	69	70
	Livestock and livestock products	***************************************	***************************************							
19	Other agricultural products				82		***************************************			
7	Forestry and fishery products		***************************************	*******************			***************************************			
ί	Iron and ferroalloy ores mining					***************************************			***************************************	
1	Nonferrous metal ores mining						***************************************			
(Coal mining									
8	Crude petroleum and natural gas							2,970		
là	Chemical and fertilizer mineral mining	***************************************								
١	New construction	*************************			***************************************			***************************************		
	Repair and maintenance construction								***************************************	
	Ordnance and accessories	16	41	1	***************************************					
ŀ	Tobacco manufactures			l ģ				***************************************		
E	Broad and narrow fabrics, yarn and thread mills	14		13	***************************************				***************************************	**********
!	Miscellaneous textile goods and floor coverings	10		9			·			
ľ	Apparel	21 23	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	21 84						
ί	Lumber and wood products, except containers	34		277	***************************************		***************************************		***************************************	
١	Wood containers	1 1			***************************************			***************************************	***************************************	
ŀ	Household furniture	16		41					***************************************	
	Other furniture and fixtures	95 158	80	56 110						*********
	Paperboard containers and boxes			210						
F	Printing and publishing	1	13	260			***************************************			
(Chemicals and selected chemical products	10	16	16						
ŀ	Plastics and synthetic materials	643	53	94			***************************************			
	Paints and allied products		55	7	***************************************					
Ė	Petroleum refining and related industries			Ī			***************************************	***************************************		
F	Rubber and miscellaneous plastics products	193	21	89						
ļ	Leather tanning and finishing	5		26				***************************************	***************************************	
į	Glass and glass products	48	8	145						
5	Stone and clay products	6	67	6				***************************************		
•	Primary iron and steel manufacturing	7	*	111				19		
	Primary nonferrous metals manufacturing	21	1	(1)		***************************************	***************************************			
i	Heating, plumbing, and fabricated structural metal products	45	1	90						
5	Screw machine products and stampings	44	(*)	25 72			***************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
9	Other fabricated metal products	221	1 1	72			··········			
1	Engines and turbines	1 9	(*)			***************************************	***************************************	***************************************	***************************************	***************************************
i	Construction and mining machinery			l ń						
1	Materials handling machinery and equipment	1	1	(5)					***************************************	
1	Metalworking machinery and equipment	39	11	19						
ì	Special industry machinery and equipment	37 81	2 8	10 24					***************************************	
ì	Miscellaneous machinery, except electrical	10	3	l 🚡						
(Office, computing, and accounting machines	143	66	182						
:	Service industry machines	26	2	6						
1	Electric industrial equipment and apparatus	237 14	68	24 35				***************************************		
i	Electric lighting and wiring equipment	l 37	6	24						***********
1	Radio, TV, and communication equipment	410	73	43	***************************************					
1	Electronic components and accessories	111	123 20	358 65						
	Miscellaneous electrical machinery and supplies	131	l ²⁰	63						
1	Aircraft and parts	79	2	ĭ					***************************************	
(Other transportation equipment	2		2						
;	Scientific and controlling instruments	29,382	192 23,023	86			***************************************	***************************************		*********
ì	Optical, ophthalmic, and photographic equipment	1 311	25,025	30,836	***************************************		***************************************			
	Transportation and warehousing				247,751			2,603		
	Communications, except radio and TV					132,898				
	Radio and television broadcasting					***************************************	1,752	210,425	***************************************	
	Private electric, gas, water, and sanitary services							210,425	838,685	
ì	Finance and insurance					***************************************				45
ı	Real estate and rental				***************************************					
ļ	Hotels; personal and repair services (except auto)									
	Business services									
	Automobile repair and services			***************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************		***********
1	Amusements		***************************************							
1	Health, educational, and social services and nonprofit organizations									
!	Federal Government enterprises				£ 979			7,216 35,520	2,302 1,007	1
	State and local government enterprises				6,273			35,520	1,007	
	Rest of the world industry				***************************************					
H	Household industry									
١	Inventory valuation adjustment									
								1		ž

by Industries, 1987—Continued

at producers' prices]

teal estate and rental	Hotels; personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Automobile repair and services	Amuse- ments	Health, educational, and social services and nonprofit organizations	Federal Government enterprises	State and local government enterprises	Scrap and used goods	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total industry output
71	72	73	74	75	76	77	78	. 79	81	82	83	84	85	99
		***************************************			33 85									78,532 84,772
		***************************************			85	***************************************	***************************************					***************************************		84,772 8,487
														16,582
•••••		***************************************										***************************************		1,522 5,378
		***************************************												26,016
														84,755
		***************************************			***************************************		***************************************						***************************************	10,342 2,730
***************************************		***************************************			***************************************						***************************************			430,911
			***************************************											166,047
•••••		***************************************					***************************************	***************************************	9		•••••	***************************************		31,387 328,702
									26	***************************************	***************************************			26,420
		***************************************												38,383
		***************************************	***************************************	***************************************							***************************************		***************************************	16,260 63,858
		***************************************												63,858 15,294
••••••						***************************************			47					70,959
	***************************************					***************************************	***************************************		2 3					544 18,367
									7					17.993
									65 78 52 273			***************************************		81,454 25,522
		52,491						f	78	***************************************	***************************************			25,522 135,366
		J2,491				***************************************			273					89,515
		***************************************							36			***************************************		40,557
		***************************************	***************************************			***************************************			2			***************************************		68,832 11,910
		***************************************							(°) 15					145,987
		***************************************						,	92					81,561
		***************************************										,		2,203
		***************************************							7			***************************************		6,291 15,835
						***************************************			7					45,869 68,778
									381					68,778
		***************************************	• • • • • • • • • • • • • • • • • • • •						370 50					56,294 11,522
									102 212		***************************************			44,185 31,862 45,324
		***************************************							212					31,862
						•••••	***************************************		120 12				***************************************	45,324 14,050
			***************************************						10					11,063
		***************************************							21 2		***************************************			16,559 6,458
		***************************************	***************************************						13					19,768
									4					15,865
		***************************************							15 3					24,288 18,314
	***************************************	***************************************		*******************************										65.138
									45 49 39 10					22,750 31,789
•••••••		***************************************					***************************************		39					31,789 15,619
************									19					17,329
									71					74,122
		•••••							95 24					50,814 22,747
	***************************************								104				***************************************	22,747
		***************************************				***************************************	***************************************		10				***************************************	83,211
									11					29,323 31,743
		***************************************				***************************************			79 69					25,136
		818							22 87					33,257
									87					250,441 132,898
		28,284					***************************************				***************************************			30,036
								191						210,916
168		1,904							***************************************					838,685 458,568
684,447			***************************************											684,447
1,044	112,617	58												113,719
		480,915	210,908	,,,,,,,					217					480,915 211,125
	***************************************	314	210,900	102,488		***************************************	***************************************	***************************************	417		***************************************			102,802
		1,626			72,491	***************************************	***************************************							74,117
		405				486,700								487,105 48,534
684 7,470	3	***************************************	1,843	698	75 416		36,349	18,383			*****************	***************************************	***************************************	48,534 69,875
7,470			***************************************	090	4.0	***************************************		10,303		465,441				465,441

		••••••	•••••									6,766	-16,578	6,766 -16,578
		***************************************	***************************************	***************************************		***************************************	***************************************		***************************************	***************************************	***************************************			
693,812	112,620	566,814	212,751	103,186	73,100	486,700	36,349	18,574	2,985	465,441	l	6,766	-16,578	8,034,114

Table 2.—The Use of Commodities

[Millions of dollars

For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agri- cultural, forestry, and fishery services	Iron and ferroalloy ores mining	Non- ferrous metal ores mining	Coal mining	Crude petroleum and natural gas	Stone and clay mining and quarrying	Chemical an fertilizer mineral minir
Industry number	1	2	3	4	5	6	7	8	9	10
ivestock and livestock products ther agricultural products	15,745 24,384	1,000 2,114	16	453 1,705						
orestry and fishery products			126	75						
gricultural, forestry, and fishery serviceson and ferroalloy ores mining		6,154	1,014	6	131	1	1	3	1	1
lonferrous metal ores mining					14	666				
coal mining	33				35	8	3,355	3,818	8	2
tone and clay mining and quarrying	1	141		2	17	3	32		206	31 37
lew construction	****************	(*)								J
lepair and maintenance construction	696	742	85 2	311	58	82	329	442	117	21
ood and kindred products	10,692		200	23		1	(*)	5	1	(*
obacco manufactures		45	***************************************			1	30			
liscellaneous textile goods and floor coverings	27	57	81	33						
pparel	***************************************	120	27	59		(*)		6 1	2	(
umber and wood products, except containers	18	17 219			6	52	83	1		
lousehold furniture		219								••••••
hther furniture and fixturesaper and allied products, except containers		274		11	(*)		A	16		***************************************
aperboard containers and boxes	1 1	356 29	į	115		Ö		3 92	á	
rinting and publishing	26 202	5,821	5 31	2.243	3 63	(*) 5 215	18 274	92 485	20 106	,
lastics and synthetic materials										
trugs, cleaning and toilet preparations	242		3	2				10		
etroleum refining and related industries	565	2,556 258	247	561	95 51	113	434	501	182	
tubber and miscellaneous plastics productseather tanning and finishing	80	258	3	69	51	117	364	25	91	l
ootwear and other leather products	29			3		2	Ω	1		
ilass and glass productstione and clay products	2	18		11	1	41	(°) 109	22 39 (*)	4	
rimary iron and steel manufacturingrimary nonferrous metals manufacturing			***************************************		73 10	99 12	21 21	(*)	2 36	
letal containers		***************************************	13							
leating, plumbing, and fabricated structural metal products	14	16			23	79 52	109 233	511	60 31	1
crew machine products and stampings	119	145	49	67	21 28 75	52 10	118	734	35	
ingines and turbines	224	522	29 13	83 88		92	354	39	126	
Construction and mining machinery					56 25	107	993 97	554	213 128	
Atterials handling machinery and equipment	74	81	(*)	1	4	48 7	5	35	10	l '
Special industry machinery and equipment		40	11	2	89	80	597	223	140	
fiscellaneous machinery, except electrical	39	91	1	4	6	13	106	32	16	
Office, computing, and accounting machines			***************************************	3						
Sectric industrial equipment and apparatus	8	19			6	24	92	319	38	
lousehold appliances	8	10	1	3	1	2	43	(°) 45	6	
ladio, TV, and communication equipment				Ĭ			(*)	Ĩ		
lectronic components and accessories	1 26	59	1	21	3	9	7	9	11	
fotor vehicles and equipment	70	163	4	64	10	19	12	18	4	l
Other transportation equipment	***************************************		420	(*)	1	5	*************			
cientific and controlling instruments			13 1	1 9	1	8 2	4	4 24	1 2	
Aiscellaneous manufacturing	13	14	1	19 450	5 73	93 23	6 188	14 345	7 109	
Transportation and warehousing	198	663 216	36 3	450	14	23	49	174	35	l
Radio and television broadcasting	1,403	1,329	9	48	596	526	754	2,098	658	3
Vholesale and retail trade	1,696	2,933	149	1,024 271	112	526 205 165 286 19	1,007	706	276	l
Finance and insurance	1,909 2,659	2,274 5,532	247	271 480	54 64	165 286	339 936	707 21,134	149 178	1
lotels; personal and repair services (except auto)	_71	116	21	167	11	19	12	71	120	
Business services		995	374 16	808 153	91 7	238 15	539 33	3,415 217	332 32	ł
Lutomobile repair and services	334	607	39	407	86	150	89	128	32 12 2	İ
Amusements	633	49	18	282 29 74	8	14	539 33 89 (1) 44	5 62	13	
ederal Government enterprises	15	16 35	8	74	10	22 8	4 5	5 8	17	[
State and local government enterprises		35	4	25 37	10	21	19	831	5	1
Scrap, used and secondhand goods										
Government industry				***************************************	***************************************		************			
lousehold industry										
otal infermediate inputs	67,766	35,852	3,323	10,351	2,050	3,759	11,874	37,952	3,557	1,3
/alue added	10,766	48,920	5,164	6,231	-528	1,619	14,141	46,803	6,785	1,4
otal industry output	78,532	84,772	8,487	16,582	1,522	5,378	26,016	84,755	10,342	2,7

^{*}Less than \$500,000.

by Industries, 1987

at producers' prices]

New con- struction	Repair and main- tenance construction	Ordnance and accessories	Food and kindred products	Tobacco manu- factures	Broad and narrow fabrics, yarn and thread mill	Miscel- laneous textile goods and floor coverings	Apparel	Miscel- laneous fabricated textile products	Lumber and wood products, except containers	Wood containers	Household furniture	Other furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Printing and publishing	Chemicals and selected chemical products	Commodity number
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	3
			54,560 21,972 2,632	1,888	70 3,728	89 1	43 55		6,608				111			169 117	1 2 3
210	497	4	13		5	1	1		22	(*)	1		6 22	(*)	4	249 513	2 3 4 5 6 7
2,504	2,116	5	133	10	37	10	9	4	17	(*)	5	2	309	2	12	190 1,906 243	l 8
2,504 156 300			27										23			1,362	10 11
300 16 2	100 1 (°)	184 2,244 1	625 52,685	16	145 (*) 2	42	102 (*) 4	29	415 (°) 5	4 (*)	151	114	298	55	276 8	530 409	12 13 14
1,998	679	2 1	16	3,795	10,907 242	3,199 1,113	11,954 273	4,025 1,322	23		985 321	28 345	663 362		77 53		15 16
92 57	26 101	11 (*) 76	9 45	1	3	9 35	12,914 1,450	237 586	8	(*)	91	1 5	7 1	1	4 3	1 42 57	18 19
26,689 95	5,325 29	76	46 82	(*)	8	2		25	20,182	300 7	2,160 43	1,096 1	5,760		2	57	20 21 22
913 835 8	185 443 3	14	2,975 6,410	132 601	65 329	60 105	69 356	26 158	78 343	(*) 41	44 211	337 29 181	4 13,471 1,147	10,846 1,136	19,907 282	487 517	23 24 25
255 1,104	56 558	32 77 130	2,857 1,681	310 39	34 717	12 573	356 109 145	39 128	55 1,198		35 97 56	19 120	76 3,000	21 497	9,760 2,760	320 17 776	26 27
(*) 2,349	1 2,445	49 3 5 60	139 1,830	16	6,175 155 3	3,673 41 5	1,644 327 1	152	39 526	4		8 220	1,702 227 16	208 64	6 36	1,226 339 553 1,660 1,375	28 29 30
7,699 3,339	4,092 2,858	60 271	719 5,606	56 106	267 466	56 369	302 538 316	16 600 319	538 650	3 (*)	297 81 817	220 60 463 13	1,372 2,093	220 88	669 1,496 10	1,660 1,375	31 32 33
9 536 25,710	2 327 6,330	1 6 79	3,746	1	7 147	125	4	2	11 27 226		122 (*) 143 92 203 115	27 62	1 5	1	3 1	4 134 118	34 35
6,418 4,575	847 1,185	759 759 792	48 7	(°)	11 3	4	1	1	21 26 26	1	203 115	1,323 330	116 2 55	3 5 56	26 7 267	196 428 653	37 38
23,122 202	7,372 83	216	8,464 654	2					287 727	***************************************	143	334		241	2	653	39 40 41
6,173	2,526	273 52	1,043	103	2	1	14	1	1,323	3	897	444	549	110	217	999	42 43
802 1,454	372 401		1	1	33 22		3		31				1	***************************************			45 46
1,208	23	130	45 247 129 121	5 4	22 353	. 6 266	15 163 11	6 16	157 89 81	1 2	18 16 2	54 59	39 388 46	21 132	30 595 2	35 588 168 89	47 48 49
111	42	192 (*)	121	14	58	15	37	9	134	2	31	20	98	36	69 10		50 51
4,582 2,044 1,032	1,988 744 719	48	(°)		(*)		3	(*)	29	***************************************		28			(*)	35 33	53 54
7,711 3,602	2,760 999	1 1,333 1,778	10 2	8	3 (°) 22	(*)	1	(1)	36 (*)	(*)	1	1	1	(1)	6; 4	3 1	55 56 57
1,233 252	257 145	7 3 2,330	5 30	1 5	1 9	1	3 22		15 34	(*)	1 6	(*)	5 32	2 12	11 69	1 7	90 101 122 133 144 156 167 178 199 201 122 232 245 256 278 290 313 245 256 278 290 314 445 467 488 499 505 556 557 559 601 663 663
987 91	411 38	13 39	52 29	6 2	14 9	2 3	10 13	3	2 14 14	1	17 8	11 5	44 12	15	469 607	112 25:	61 62 63
1,006 7,864 1,270	289 3,229 545	19 353 190	29 6,805 679	1 104 22	10 355 65	4 294 43	550 473 291	53 116 53	16 1,685 203	(f) 32 2	36 317 47	3 234 67	9 2,660 216	1,233 81	185	8 3,055 248	64 65 66 66 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85
1,191 33,775	372 13,764	447 932	4,426 18,945	80 445	1,324 1,908	312 763	714 2,431	170 1,013	1,271 3,554	11 91	238 1,277 347	204 1,098	4,244 4,355	356 396	1,134 4,901	6,418 4,601	68 69
3,540 2,169 584	13,764 1,415 467	196 155 66 2,232 231	2,370 759 603	192 36 15	1,908 339 83	763 124 65 79	2,431 755 442 312	203 94 110	1,271 3,554 657 345 51	19 3 3 29 6 2	347 140 26	204 1,098 353 148 37	4,244 4,355 601 216 285 1,642 183 172	124 90 14	1,371 1,558 577	4,601 804 241 89	70 71 72
52,520 1,581	132 3,382 405	2,232 231	14,477 669 209	686 24	369 1,901 158 50	716 56 16	2,323 382 116	390 70	1,728 277 259 2	29 6	1,080 152	1,353 100	1,642 183	413 90 61	7,526 1,510	89 4,383 387 47 5	73 74
27 21	1,011 6 9	4	209 6 125 470	686 24 23 2 11	1 1	1 4	4	3 (*) 94 53	2 105	4	15 53	1,353 100 30 7 32 58 13	2 60	1 5	4,901 1,371 1,558 577 7,526 1,510 352 25 267 1,905	5 46	76 77
33,775 3,540 2,169 584 52,520 1,581 4,100 27 21 219 92 2	68 29 (*)	16 15 12 19	470 401 5,396	57 7 48	54 96 34 25 30	46 9 167	51 365 21 63	53 97	105 84 21 13	(2)	140 26 1,080 152 37 15 53 54 5 33	58 13 6	99 150 85 787	39 10 2	1,905 41 294	46 133 83 719 35	78 79 80
7	4	4	94		30	31							787			35	81 82
																	83 84 85
250,503 180,408	72,345 93,702	16,255 15,131	226,181 102,521	8,872 17,548	30,852 7,530	12,551 3,708	40,208 23,649	10,226 5,068	44,275 26,684	574 -30	11,092 7,275	9,495 8,498	48,411 33,043	16,694 8,828	63,416 71,950	54,990 34,526	VA
430,911	166,047	31,387	328,702	26,420	38,383	16,260	63,858	15,294	70,959	544	18,367	17,993	81,454	25,522	135,366	89,515	Т

Table 2.—The Use of Commodities

[Millions of dollars

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Plastics and synthetic materials	Drugs, cleaning and toilet prepar- ations	Paints and allied products	Petroleum refining and related industries	Rubber and miscel- laneous plastics products	Leather tanning and finishing	Footwear and other leather products	Glass and glass products	Stone and clay products
S	Industry number	28	29	30	31	32	33	34	35	36
12345678900112131451617181920122222222223333333333333333333333333	Livestock and livestock products Other agricultural products Forestry and fishery products Agricultural, forestry, and fishery services Iron and ferroalloy ores mining Coal mining Crude petroleum and natural gas Stone and clay mining and quarrying Chemical and fertilizer mineral mining New construction Repair and maintenance construction Ordnance and accessories Food and kindred products Tobacco manufactures Broad and narrow fabrics, yarn and thread mills Miscellaneous textile goods and floor coverings Apparel Miscellaneous textile goods and floor coverings Apparel Miscellaneous fabricated textile products Lumber and wood products, except containers Wood containers Household furniture Other furniture and fixtures Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products Pastics and synthetic materials Drugs, cleaning and tollet preparations Paints and allied products Paties and allied products Petroleum refining and related industries Rubber and miscellaneous plastics products Leather tanning and finishing Footwear and other leather products Stone and clay products Primary nonlerrous metals manufacturing Metal containers Heating, plumbing, and fabricated structural metal products Screw machine products and stampings Other fabricated metal products Engines and turbines Construction and mining machinery Materials handling machinery Materials handling machinery Materials handling machinery	11 118 101 122 37 124 4 1 5 630 337 26 13,287 1,147 209 85 339 1,792 (°) 6 35	22 25 25 25 26 141 3 10 269 1,334 445 2,262 167 7,141 7,141 429 2,214	30 1	22 75,549 415 17 590 30 	18 314 21 13 317 (°) 7 7 658 870 8 122 220 7771 1,037 117 3,117 16,291 31 54 314 3,994 3 3 534 1699 233 122 24 356 747 35	33 1 2 5 869 (7) (13 13 12 223 157 (7) (157)	(°) (°) (°) (°) (°) (°) (°) (°) (°) (°)	20 190 9 127 1 1 201 100 20 654 39 966 225 777 222 4 1,613 168 7 4 4 2 2	33 39 23 379 3,286 38 329 55 23 125 1 4 145 1089 280 71 81 357 181 357 171 81 357 171 81 357 177 172 173 174 81 173 174 81 175 177 177 177 177 177 177 177 177 17
47 48 49 50 51	Metalworking machinery and equipment Special industry machinery and equipment General industrial machinery equipment Miscellaneous machinery, except electrical Office, computing, and accounting machines Service industry machines Electric industrial equipment and apparatus	23 17 102 50	14 162 36 (*)	3 1 6	20 4 53 (*)	140 179 22 256 (*)	2	(°) 7 5 (°) 14	82 15 9 75	34 37 75
52 53 54 55 56	Household appliances Electric lighting and wiring equipment Radio, TV, and communication equipment	1 (°)	2	8	18	(*) 145 1 45	(*)	8	5 (*)	45 (*)
57 58 59 60	Electronic components and accessories Miscellaneous electrical machinery and supplies Motor vehicles and equipment Aircraft and parts	1	8 16	1	2 60	23 17	(*)		1 5	1 12
61 62 63 64 65 66 67	Other transportation equipment Scientific and controlling instruments Optical, ophthalmic, and photographic equipment Miscellaneous manufacturing Transportation and warehousing Communications, except radio and TV Radio and elevision broadcasting	7 7 4 739 120	58 24 25 778 267	9 3 6 340 47	29 7 5 6,881 213	66 19 23 1,943 753	(*) (*) (*) (*) 52 5	2 2 84 108 18	458 331	18 15 34 3,129 206
68 69 70 71 72 73 74 75 76 77	Private electric, gas, water, and sanitary services Wholesale and retail trade Finance and insurance Real estate and rental Hotels; personal and repair services (except auto) Business services Eating and drinking places Automobile repair and services Amusements Health, educational, and social services and nonprofit organizations	1,804 2,115 237 75 133 1,862 92 80 1	857 4,030 830 365 210 9,066 286 84 8 8	121 634 83 35 27 379 60 22 1	4,195 4,137 2,175 496 93 2,874 91 60 3	2,271 4,675 638 504 131 2,260 314 89 7 258	38 202 13 5 36 41 5 2	59 356 121 37 55 357 50 9 (*)	968 864 159 70 37 665 66 62 1	1,998 1,386 497 167 84 1,682 205 79 1
78 79 80 81 82 83 84	Federal Government enterprises State and local government enterprises Noncomparable imports Scrap, used and secondhand goods Government industry Rest of the world industry Household industry	31 20 149	174 67 951	40 4 70	116 20 440	115 30 1,232 4	5 12 1 1	70 (*)	38 10 88 93	88 13 164
85 VA	Househoo industry djustment Total intermediate inputs Value added	26,205 14,353	35,965 32,867	7,222 4,688	114,175 31,813	46,574 34,987	1,775 427	4,225 2,067	8,660 7,176	23,885 21,984

^{*}Less than \$500,000.

by Industries, 1987—Continued

at producers' prices]

Primary iron and steel manu- facturing	Primary nonferrous metals manu- facturing	Metal con- tainers	Heating, plumbing, and fabri- cated struc- tural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construction and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscel- laneous machinery, except electrical	Office, computing, and accounting machines	Service industry machines
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
	***************************************	***************************************		***************************************											
1,665 185	2	(*)	1	1	2	1	2	1	(*)	1	1	1	1	2	1
185 2,357 53	4,339 23	1	29 6	11	16	3	2	7	1	6	(*)	2	2	(*)	3
190 86	14 1		1		6										28
1,666	250	29	604	297	597	69	81	152	70	101	106	159	181	235	132
6	2	(*)	5	2	3	1	1	1	1	2	2	2	1	2	2
7	22 7 2	1	1	2 158	2 6	2	(*)	(*)	(*)	1	1	138	51 1	3	1
2 224	2 (*) 98	16	(*) 236	45	229		34	15	14	(*) 13	39	3 (*) 68	(*) 7		(*) 64 38
9	20	6	46	46	10	11		3	40 2	6		38	9		
17 75 52	20 98 40 955 914	36 273 44 28	213 49	46 137 23 206 73	441 47	18 11	52 8	4 15	4 9	84 31	21 21	38 111 31 27	108 36 22	128 439 252 11	123 24 99 113
1,972	1	8	136	73 17	825 201 20	4	10	21	8	86	165	16	3	76	
31 538 146	45 556 658	295 24 15	22 228 182 548	131 41 160	20 258 172 830	5 20 75	48 10 413	40 28 522	7 18 84	25 105 167	49 247	7 75 324	6 61 53	55 219 2,127	77 54 308
3 6	(*) 44		(*) 435	52	120		(*) (*) 31	(?) ?4		8	44	2	(2)	3 2	(*) 33 132
515 12,893	216 366	(*) 13 2,185	102 7,889	52 69 6,923	120 199 5,185 2,650	(*) 93 1,582	803	1,776	31 493	234 1,482	90 1,128	191 2.332	(*) (*) 282 748	251 329	1,088
1,292	16,505 (*)	2,428 615	3,899 1,679	1,231 5	2,650 9 92 464	627 137 160	139	89 552	83 237	309	608	1,040 178	532 104	611 591	1,162
366 726 30	187 475	6 191	1,726 1,799 2	374 666	464 2,209 107	160 318 1,280	238 114 899	77 427 501	104 155 63	188 133 176	117 239 144	289 403 163	124 425 84	439 604	455 317 104
						1,200	796	690							104
19 555	19 757	18	168	382	188	103	35	96	338 31	815	169 464	235	440	73	168
1,011 249	574 118	2 24	511 140	53 660	78 248	277 294	315 202	618 246	297 97	220 432	464 468 411	1,764 520 10	333 1,274	87 97	507 374
15 5 511	243	1	50 239	44	141	606	34	147	313	472	4 943	1,113	(*)	13,739	1,249 1,823
(*) 16 (*)	5 (°)		4	(°) 21 (°)	1	[3]	11 (°)	8	(*)	9		1	1 (*)	235	144
5 10	3 20	(*)	2 25	20	8 4 11	264 23	130 46	3 15	20	(°) 11 5	(*) 28 (*)	49 1	60	6,767 83 22	(7)
4													36		
42 14 15	17 9 8	2 1 1	56 14 32 746	7 5 5	19 13 21 745	2 3 2 143	3 3 1	4 10	2 2 5	6 9 8 208	6 3	25 9 4	7 9 6	55 35 68 1,199 557	323 6 50
2,324 411	2,147 262	209 25	746 388 9	414 272	908	62	174 31	190 79		110	186 102	320 142	6 179 70		50 316 113
5,260 5,393 536 134	2,912 3,436	186 713	552 3,088 379	600 1,772	876 2,860 508 229 91	189 878	111 1,089	226 1,128 113	67 443 49	276 812	189 1,175	370 1,749	245 700 325	655 6,436 1,131	279 2,047 145
1111	3,436 523 175 124	41 18	240 301	1,772 328 160 49	229 91	100 27 24	1,089 59 22 17	46 38	34 14	175 151 53 829 135 52	1,175 170 102 48	227 105 91	325 200 53	743 790	80 71
4,428 191 63 2	1,360 135 103	338 21 12	1,018 226 88	1,559 90 76	1,846 219 67 2	363 34 27 2 5	448 38 5	582 61 11	253 30 10	135 52	630 87 18 1	1,024 134 28 6	1,484 151 60	2,128 555 111	828 99 19
2 15 156	2 39 70	186 713 80 41 18 338 21 12 (*)	226 88 5 38 80 15	1 86 52 11	47	2 5 19	(°) 3	1 3 34	1 2 16		8	6 30 61	2 35 27	10 55 69 19	1 25 16 7
15 156 54 85	26 340	7 8	20	11 21	89 32 66	7 27	26 31 31	5 140	13	20 24 8 75 5	46 2 72 13	8 57	4 34	19 610	7 8
2,254	2,740		85		30	28	15	10	***************************************	5	13	29	7		
40.005		7,000	00.054	47.000	04.040	7,000	e 507	0 004	2 560	0.004	0 E09	12 714			12 244
49,005 19,772	42,007 14,287	7,938 3,584	28,354 15,831	17,358 14,504	24,048 21,277	7,923 6,127	6,537 4,526	8,804 7,755	i i	8,081 11,687	8,593 7,271	13,714 10,574	8,633 9,681	44,848 20,290	13,344 9,406
68,778	56,294	11,522	44,185	31,862	45,324	14,050	11,063	16,559	6,458	19,768	15,865	24,288	18,314	65,138	22,750

Table 2.—The Use of Commodities

[Millions of dollars

	e distribution of output of a commodity, read the row for that commodity e composition of inputs to an industry, read the column for that industry	Electric industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Radio, TV, and communi- cation equipment	Electronic components and accessories	Miscel- laneous electrical machinery and supplies	Motor vehicles and equipment	Aircraft and parts	Other trans- portation equipment
	Industry number	53	54	55	56	57	58	59	60	61
Livestock and liv	vestock products			,						
Forestry and fish	il products					***************************************				
Agricultural, fore	stry, and fishery services	2	(*)	1	5	4	4	7	4	1
Nonferrous meta	d ores mining				***************************************		180			
Crude petroleum	and natural gas	6	5	2	6	2	6	50	8	4
Stone and clay	mining and quarryingtilizer mineral mining		***************************************					2		
New construction	Λ									
	ntenance construction	218	68	71	273 (*)	320	186	874 (*)	345 2	569
Food and kindre	d products	2	1	1	4	7	1	4	7	(*)
Broad and name	w fabrics, yarn and thread mills		34	18				52	115	9
Miscellaneous te	extile goods and floor coverings	6		1		***	9	393		253
Miscellaneous fa	ibricated textile products	2	1		16 1	19 1	1 1	3,041	6 202	273
Lumber and woo	od products, except containers	45	126 3	48	76		23	209	54	1,174
Household furnit	ure				410	38			_11	174
Other turniture a Paper and allied	Ind fixtures	160	5 38		86	88	15	350 115	506 17	137 49
Paperboard cont	tainers and boxes	145	302 17	247	153	133 79	190	143 94	10	49 17 24 96 152
Chemicals and pub	lishingselected chemical products	54 160	92	21 124	292 202	79 1,362	99 800	404	91 54	9
Plastics and syn	thetic materials and toilet preparations	90	269	380	272	251	194	579 14	48	152
Paints and allied	products	66	154	44 49	45	2	23	1,154	107	209
	ng and related industries	202 444	17 477	49 248	74 2,343	106 4,537	104 735	506 8,133	187 859	123 370
Leather tanning	and finishing									
Glass and glass	ther leather productsproducts	21	220	834	64	454	6	990	22	(* 21
Stone and clay	products	279 1,203	147 1,168	44 704	41 276	88 294	39 319	753 9,146	206	31 1.01
Primary nonferro	d steel manufacturing	1,633	502	903	1,016	2,579	1,523	3,025	1,473 2,043	55
Metal containers	ng, and fabricated structural metal products	158			321	129		270	57	88
Screw machine	products and stampings	355 298	327	559	606	673	358	10,796	807	28
Other tabricated Engines and turi	metal products	298 156	577	284	776	1,917	611	3,111 3,543	714	57 77
Farm and garde	n machinery									
Materials handling	d mining machineryng machinery and equipment					***************************************		(*) 30		18
Metalworking ma	achinery and equipment	87	38	44	82	128	92	1,046	829	7
General industria	al machinery equipment	91	151	9	64	. 5	75	1,316 2,425	365	l 58
Office computing	nachinery, except electrical	158 42	24	49	111 193	173 57	151 (*)	2,425	672 (*)	16
Service industry	machines	2.203	413 980	442	11 417	245	271	2,168 330	114	8
f Household appli	al equipment and apparatusances	100	40					707		23 25 16
Electric lighting Radio. TV. and	and wiring equipment	100	206 (*)	586 (*)	247 2,602	59 9	233 1	707 578	908	16
Electronic comp	onents and accessories lectrical machinery and supplies	1,532	(*) 13 2	(*) 83 138	11,682 52	10,817 13	1,791 2,097	487 3,297	2,140 225	i
Motor vehicles a	and equipment	7		3	6	7	2,097	47,647	6	1,09
Aircraft and part	tion equipment	41						38 22	10,387	7/
Scientific and co	ontrolling instruments	12	455	5	180	20	14	809	1,870	1
Miscellaneous m	mic, and photographic equipment	12 24	99	6 25	64 34	23 23 775	24 8	32 65	294 21	
Transportation a	Ind warehousing	504 522	230 63	303 99	575 630	775 503	558 152	3,535 329	1,123 396	36
Radio and televi	ision broadcasting									
Private electric,	gas, water, and sanitary services	487 2,251	219 1,475	241 1 337	744 4,587	943 4,567	442 2,083	1,857 16,214	820 2,110	25 1,86
Finance and ins	urance	434	179	1,337 263 93	592	837	427	1,090	1,418	19
Real estate and Hotels; personal	rental	162 203	32 61	130	511 517	354 290	111 242	183 258	273 1,039	19 37 82
Business service	98	1,642 169	565 54	613 85	3,559 291	2,027	1,999 471	4,926 402	4,249 244	8
Automobile repa	king placesir and services	36	16	19	29	2,027 299 32	43	5,550	34	
Amusements	nal, and social services and nonprofit organizations	14	(*) 24 80	1 12	107	26 132 79 27	41 18	20 195	26 131	
Federal Governo	ment enterprises	60		34	268	79	25 10	423	214	,
State and local Noncomparable	government enterprisesimports	11 165	123	7 31	20 303	27 214	65	98 1,250	108	
Scrap, used and	d secondhand goods	(*)	1	2			155.	311		
Rest of the world	ustry									
Household indu:	stry									
Total intermedia	ite inputs	16,675	10,105	9,244	35,840	35,767	17,041	145,410	37,997	16,5
		15,113	5,514	8,085	38,282	15,046	5,706	56,450	45,214	12,7
Total industry	output	31,789	15,619	17,329	74,122	50,814	22,747	201,860	83,211	29,3

^{*}Less than \$500,000.

by Industries, 1987—Continued

at producers' prices]

Scientific and controlling instruments	Optical, ophthalmic, and photo- graphic equipment	Miscel- laneous manufac- turing	Transpor- tation and ware- housing	Communi- cations, except radio and TV	Radio and TV broad- casting	Private electric, gas, water, and sanitary services	Wholesale and retail trade	Finance and insurance	Real estate and rental	Hotels; personal and repair services (exc. auto)	Business and professional services except medical	Eating and drinking places	Automobile repair and services	Amuse- ments	Health, educational, and social services and nonprofit organizations	Commodity number
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	ප
2	2	4 39 -5 4	1 2 2 17	3	4	30	272	33	42	2 2 1 202	11	406 978 1,482 17	4	39 5 3 580	137 154 46 440	1 2 3 4 5
23 3 (*)	18	5 44	8 270			13,820 22,858	35		1	8	4	6	3	2	22	6 7 8 9 10
101	82	192	5,838 1 335	6,668 (*)	344	11,586 (°) 3	5,890 4 1,355	2,132 1 7	32,628 (*) 7	1,506 (*) 88	1,263 98 136	854 (*) 42,603	241	617 (°) 618	12,082 2 4,742	11 12 13 14 15
399 170 9 165	25 1 (*)	380 138 12 153 963 3	3 57 56 153 50	37	(")	4 1 157	1 79 55 222 1,173 142	140	1 1 10 10 18	176 34 339 690 21	5 30 35 42	12 (*) 28 32	8 28 1 3	59 6 57 76 186	41 19 310 514 155	101 111 121 131 141 151 161 161 161 161 161 161 161 161 16
285 240 106 211 273	293 117 38 703 284	37 372 476 149 466 826	160 82 719 180	82 28 675 58	13 1 61 21	141 9 182 701	14 7,657 2,654 4,062 84	756 3 5,706 10	3 494 12 1,118 315	2 1 434 13 772 2,089	7 1,714 36 4,513 560	1 808 974 255 48	(*) 65 2 57 14	2 146 3 246 84	5 3,007 128 10,396 4,356	23 24 25 26 27 28
3 34 127 856	1 103 1,136	1 181 167 1,314 82	6 41 15,435 1,122	37 78 180 305	13 2	5,332 474	213 8,023 1,828	766 119	50 639 511	970 1 584 1,182	680 96 1,240 1,761	207 301 2,047	6 607 782 148	16 1 116 238	7,282 28 2,079 6,156	29 30 31 32 33
7 89 157 442 1,065 18	(*) 288 96 43 406	68 21 296 508 1,560	16 49 42 98 63	3 12 1 1 37	(*)	66 20 2 62 11	117 18 257 33	38 42 12 1	9 8 47 1	289 423 383 3 14	29 42 110 15	31 611 64 1 6	2 764 420 (°)	30 3 10 (*)	45 707 199 17	34 35 36 37 38
80 591 428	3 357 260	112 176 416 8	51 1,029 460	253 217 455	1	120 457 849	1,068 18	12	140 52 223	46 120	152 181 234 721	13 63	4,098 3,097 113	22 38	272 274	40 41 42 43 44
75 48	31	96	2 135 776	396	1	11 30 80	188 126 35 5	3 57	1 4 20	9 2	23 253 250 166 850	1 170 279	33 (*) 6	4 1 1	(°) 12 7 2	46 47 48 49
121 39 355	101	193 (*) 39 87 (*)	332 52 22 180	347 (*)	2	57 10 3 208 (*) 164	321 163 214	6 208	2 17 81	44 806 392 18 801	186 1,040 196 277 42	5 24 2	505 2 447 150	5 30 1 59	2 36 115 14	51 52 53 54
49 1 1,060 30 11	39 1 2,291 29 7	(*) 21 10 394 8 12	61 46 68 95 503 1,432	56 3,531 1,105 27 15	70 579 1 2	1 3 26 697	83 51 20 158 790	42 32 99 18 99	71 14 232 48	136 44 1,313 9 38	212 62 2,461 224 188	173 8 9 43	381 75 751 15,017	3 4 10	15 453 220 203 273 174	56 57 58 59
1,437 15 34 218 213	18 444 9 325 156	4 17 21 2,026 611 104	822 18 75 135 33,074 2,903	8 8 69 97 340 834	1 2 195 10 218 203 222	7 540 37 36 3,765 305	143 375 884 8,661 11,922	43 13 922 560 6,966 7,704	3 87 116 1,432 1,591	4 29 427 1,387 946 1,447	467 177 1,717 780 3,627 5,963 305	(*) 12 289 2,165 649	6 70 18 24 712 429	159 16 177 208 367 515	6 3,196 812 823 3,584 5,246	61 62 63
373 1,501 261 211 56 1,402 227	255 1,247 465 111 83 1,661 127	421 2,563 520 253 72 2,831 428 74	2,415 3,979 7,361 4,403 777 10,413 3,225	1,195 954 1,910 2,227 404 4,257 647	45 172 283 1,159 315 999 284	22,239 1,582 6,132 716 584 2,938 301	19,215 11,763 13,500 40,350 8,004 93,187 19,050 8,364	1,840 1,237 112,088 12,542 2,579 43,230 8,552	446 960 23,570 50,993 1,367 16,539 4,252 228	3,539 3,398 1,954 4,166 1,562 8,744 563	1,831 3,819 4,804 11,914 3,420 57,277 3,782	4,247 9,883 5,021 6,054 880 13,210 1,073	584 4,386 798 1,727 1,562 2,455 454 299	1,205 465 626 3,779 479 7,270 672	5,437 7,926 4,238 33,030 2,374 22,971 2,833 588	644 655 666 677 688 697 707 717 727 737 747 757 767 778 808 81
171 22 110 76 11 167	58 16 148 37 7 394	74 10 140 160 10 948	2,495 62 358 311 192 7,501 42	174 670 191 332 30 4,735	9,451 75 25 22	94 7 281 579 28 22 30	8,364 1,161 1,345 4,167 1,013 2,919	398 154 584 7,575 64 4,660	228 64 369 557 99 57	257 28 760 478 256 71 24	1,477 283 1,798 2,488 160 1,631	146 1,393 497 291 302 49	299 6 68 188 74 12 528	265 13,912 299 399 68 156	588 867 8,683 2,884 317 591	75 76 77 78 79 80 81
									***************************************							82 83 84 85
14,227 17,516 31,743	12,398 12,738 25,136	21,312 11,945 33,257	110,615 139,825 250,441	33,500 99,398 132,898	14,811 15,225 30,036	98,402 112,514 210,916	283,928 554,757 838,685	222,073 236,494 458,568	143,632 540,814 684,447	44,043 69,676 113,719	128,018 352,897 480,915	98,724 112,401 211,125	42,230 60,572 102,802	34,376 39,741 74,117	161,545 325,560 487,105	VA T

Table 2.—The Use of Commodities

[Millions of dollars

	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Federal Government enterprises	State and local government enterprises	Government industry	Rest of the world industry	Household industry	Inventory valuation adjustment	Total intermediate use
	Industry number	78	79	82	83	84	85	
1	Livestock and livestock products Other agricultural products	2 589	(7)					72,602 57,883
3	Forestry and fishery products	9	:		***************************************			11,358
5	Agricultural, forestry, and fishery services	3	52					16,553 2,067
6	Nonferrous metal ores mining							6,063
81	Coal mining	614	773					22,604 105,052
9	Stone and clay mining and quarrying		17					9,786 1,666
111	Chemical and fertilizer mineral mining New construction							156
	Repair and maintenance construction	586	15,959			***************************************		114,176 2,381
14	Food and kindred products	5,744	(*)					121,876
15	Tobacco manufactures	17						3,795 34,347
17	Miscellaneous textile goods and floor coverings	6	6					9,555
18	Apparel	1114	14	***************************************				14,417 8,458
20	Lumber and wood products, except containers	-75						68,381
22	Wood containers		***************************************					594 810
	Other furniture and fixtures							2,556 69,62
25	Paper and allied products, except containers	45 25	(*)					24,47
26	Printing and publishing	499 21	134 546	***************************************			***************************************	46,45 84,18
28	Plastics and synthetic materials	***************************************						39,55
29	Drugs, cleaning and toilet preparations	45	36 (*)					20,844 11,11
31	Petroleum refining and related industries	928	2,441	***************************************			***************************************	77,54
32	Rubber and miscellaneous plastics products Leather tanning and finishing	33 1	133					75,55 2,43
34 [Footwear and other leather products	14	1				.,,	1,04
35 36	Glass and glass products	4	93					15,18 46,08
37 l	Primary iron and steel manufacturing		(*)					74,38
38 39	Primary nonferrous metals manufacturing	1						58,53 11,61
40 J	Heating, plumbing, and fabricated structural metal products Screw machine products and stampings	(*) 16	2 2	***************************************				38,41 29,66
42	Other fabricated metal products	16	33	***************************************	***************************************	***************************************		29,00 44,30
43 44	Engines and turbines	126	69 126					11,11 2,73
45 l	Construction and mining machinery			***************************************		***************************************		4,13
4/1	Materials handling machinery and equipment Metalworking machinery and equipment	5 7	9			***************************************		3,13 8,68
48	Special industry machinery and equipment							3,92
49 50	General industrial machinery equipment Miscellaneous machinery, except electrical	2 18	14		***************************************			15,41 13,60
51 52	Office, computing, and accounting machines	15 16	3 14					16,55 12,03
53	Electric industrial equipment and apparatus	l ö	489					19,75
54	Household appliances	1 51	31 65	***************************************	***************************************	***************************************		3,03 15,75
55 56	Radio, TV, and communication equipment	i	1					14,29
57 58	Electronic components and accessories	17	21 77					46,87 10,23
59	Motor vehicles and equipment	437	147	***************************************				68,33 14,33
61	Aircraft and parts) 3	109			***************************************		2,84
62	Scientific and controlling instruments	9 20	4 13					12,17 7.06
64	Optical, ophthalmic, and photographic equipment	84	30		***************************************	***************************************		10,61
65 66	Transportation and warehousing	3,290 231	678 232					138,43 54,95
67 I	Radio and television broadcasting	663	10,643					53 138,56
69	Wholesale and retail trade	656	2,843		***************************************			250,36
70 I	Finance and insurance	93 1,072	572 461					218,90 219,86
72	Hotels; personal and repair services (except auto)	54	55					34,07
	Business services	915 179	1,068 120					454,42 59,00
75	Automobile repair and services	855	57		***************************************	***************************************		31,40
76 77	Amusements	8 35	58 58					28,71 19,52
78	Federal Government enterprises	648	45					27,87
80	State and local government enterprises	38 844	5					4,32 39,62
81	Scrap, used and secondhand goods		2	······				7,3
83	Government industry			***************************************		***************************************		
84	Household industry							
11	Total intermediate inputs	19,649	38,508			***************************************		3,502,81
VA	Value added	28,885	31,367	465,441		6,766	-16,578	

^{*}Less than \$500,000.

by Industries, 1987—Continued

at producers' prices]

Personal	Gross private fixed	Change in			Federa	al Government p	urchases	State and	local governmen	t purchases		
consumption expenditures	investment fixed investment	business inventories	Exports	Imports	Total	National defense	Nondefense	Total	Education	Other	GDP	Total commodity output
91	92	93	94	95		96	97		98	99		
2,997 16,173		-547 -1,139	560 11,993	-753 -2,217	8 -2,577	2	6 -2,577	101 720	39 268	62 452	2,366 22,953	74,968 80,836
3,481 507		96	461 65	-3,665 -16	-1,112 99	14	~1,112 85	360 798	263	-368 535	-1,100 1,454	10,258 18,006
399	237	125 51 247	316 293 2,325	-525 -811 -63	-334 -486 287	-334 -487 61	1 226	209	135	74	-418 -818 3,404	1,649 5,245 26,008
40	38	437 5	2,324 2,244 539	-30,181 -279	-156 6	(7)	-156	_109			-27,619 190	77,432 9,975
3	344,149	-37	105	-359	5 15,450	7,305	5 8,145	206 71,140	10,091	206 61,049	-78 430,755	1,588 430,911
1,278	20,783 222	595	81 559	-500	5,058 23,519	3,066 21,702	1,992 1,817	25,949 113	6,298 1	19,651 113	51,871 25,787	166,047 28,168
206,654 20,385		889 -67	13,149 3,163	-18,286 -863	498	171	328	6,919 6	4,569 -2	2,350 -4	209,824 22,613	331,699 26,409
2,318 4,638 71,036	2,544	756 158 1,214	1,220 838 1,097	-3,579 -1,272 -25,341	84 21 464	78 3 463	6 17	167 57 875	71 9 15	96 48 860	966 6,984 49,345	35,313 16,539 63,762
9,114 1,221	4	238 936	571 3,698	-25,341 -1,535 -6,134	180 42	129	51 6	437 132	114 66	323 66	9,005 -100	17,462 68,280
18,699	1,507	-256	8 315	-39 -2,955	7 50	36 5 15	ž 34	124	93	31	14 17.485	580 18,295
1,654 12,279	14,348	46 960	404 5,450	-2,299 -9,720	100 263	37 107	63 156	1,623 2,514	945 1,331	678 1,182	15,875 11,746	18,431 81,371
319 26,872		96 2,691	282 1,695	133 1,542	57 1,009	38 728	19 280	186 6,028	41 4,103	144 1,926 1,784	807 36,753	25,281 83,204
1,735	795	15 409	16,298 5,608	-11,258 -1,949	2,179 18 785	-169 17	2,348 1	2,582 2	798 1	1	12,315 4,088 48,352	96,502 43,646
46,480 458 56,621		1,019 151 2,511	4,297 348 6,759	-8,094 -206 -15,753	785 6 1,472	525 3 1 136	260 3 337	3,865 339 11,423	255 267 4,923	3,611 72 6,501	48,352 1,096 63,033	69,200 12,212 140,582
11,363	74	1.290	3,641 397	-9,197 -600	504 2	1,136 337 1	167 1	1,355	99	1,256	9,030 -175	84,585 2,257 6,506
13,644 1,531		26 536 82	3,641 397 334 814	-9,207 -1,828 -4,707	36 71	34 30	2 41 41	114 312	. 1 85	114 227	5,458 981 294	16,168 (
2,940 8	14	518 965	l 1.216 l	-10,604	127 149	86 117	41 32 –24	200 59 58	80 7	120 52 53	-8,005	46,382 66,377
62	36 23 3,383	518 965 982 -20 840	1,405 3,461 142 939	-7,253 -160	-277 86	253 86 544		58 8	5 5	4	-2,930 79	55,600 11,688 43,968
486 1,190 3,224	1,874	209 515 225	2 116	-834 -2,117 -6.706	86 739 300	259 436	195 41 161	305 550	233 186	a∵.1 72 364	5,554 2,004 2,616	43,968 31,668 46,922
461 250	2,316 7,844	225 383	2,562 2,910 1,230 4,639 522 2,126	-6,706 -3,531 -2,057	597 907	748	159	550 170 277	97	364 170 180	3,458 7 956	14,569 10,687
	8,404 4,634	383 108 64	4,639 522	-3,338 -1,332	29 71 1,107	26 62 1,091	10 16	1,245	3	1,245 4	11,130 5,002	15,264 8,134
554 210	13,190 15,046	64 79 248	2,126 2,486 4,454	-4,619 -5,331	289 124	1,091 250 114	10 16 39 10 63	198 58	117 54	81 3	11,817 12,839	20,501 16,765
31	10,978 38	164 71	1,492 (7,194 44	486 2,778	423 2,696	81	174 220 2,207	115	174 105	9,063 4,673	24,473 18,280
2,001 913	34,641 7,007	499 403	17,707 1,205	-18,247 -1,421	5,143 122	3,644 99	1,499 23 317	2,207 695	1,458 471	748 224	43,951 8,923	60,501 20,961
144 11,906 2,510	10,998 2,890 385	161 253 478	3,919 1,028 1,379	~3,870 ~3,135 ~3,874	1,021 74 58	705 69 27	317 5 31	695 238 206 562 975 182	152 84 335	86 122 236	12,611 12,715 1,496	32,366 15,750 17,253
21,190 1,035	33,977	468 733	5,624 9,583	-23,250 -12,967	26,992 3,616	25,594 3,330	1,398 286	975 182	684 85	226 291 97	65,976 2,184	80,275 49,062
4,423 104,378	4,667 67,660	570 9,766	3,974 23,108	-4,448 -79,081	652 3,186	461 2,670	191 516	432 6,178	39 1,571	393 4,607	10,271 135,195	20,503 203,531
179 10,701	8,797 6,520	2,235 2,175	20,936 1,363	-5,447 -3,061	43,987 7,988	41,549 7,323	2,439 665	13 925	92	13 833	70,700 26,611	85,037 29,458
4,198 4,251 25,243	12,543 9,020 5,384	480 1,356 2,454	4,771 3,396 3,221	5,760 6,413 15,995	1,361 1,926 229	874 1,347 140	486 578 88	3,025 3,325 2,248	166 1,597 1,373	2,859 1,728 875	20,618 16,860 22,784	32,790 23,927 33,394
67,990 60,338	4,626 7,015	1,137	27,441 2,494	-2,325	9,481 3,297	9,102 2,057	379 1,240	7,324 4,796	4,592 2,185	2,732 2,612	115.673	254,105 132,898
1,215 102,595			320	-1,747	3,390	2,358	1,032	15,633	5,306	10,328	77,940 1,215 120,191	1,752 258,752
485,635 214,863	49,316	3,993	25,233 15,688	15,533 -3,236	4,773 1,706	4,404 75	369 1,631	7,149 8,705	2,983 531	4,165 8,174	591,631 237,725 473,949 78,543	841,993 456,634
434,703 75,677	22,175		10,393 95		969 1,302	363 962	606 340	5,709 1,469	656 -952	5,052 2,421	473,949 78,543	693,812 112,620
54,783 157,120	7,099	24	5,390 271	-1,453 	30,346 347	22,287 263	8,058 84 54	16,199 -3,995	6,536 6,525 773	9,663 2,530	112,388 153,742 71,779 44,385 467,172	566,814 212,751
65,734 42,543 457,245		108	22 1,165 161	-64 -9	3,917 559 7,638	3,863 358 720	54 202 6,918	1,999 182 2,137	192 -1,105	1,226 -10 3,242	/1,//9 44,385 467 172	103,186 73,100 486,700
7,078 13,827	***************************************		169	- J	-42 124	209 104	-251 20	1,272 302 382	124 151	1,148 151	8,477 14,253 -39,628	36,349 18,574
31,053 13,670	86 -25,706	-22 565	4,821	80,585 119	9,458 538 149,554	8,023 -343	1,435 881	382 1,581	375 325	6 1,255	-39,628 -4,413	2,985
-30,712			31,624		149,554 912	108,240 -555	41,314 -356	315,888	173,090	142,798	465,441	465,441
6,766		-16,578								***************************************	6,766 16,578	6,766 -16,578
											4,531,303	
2,996,504	721,584	29,509	348,139	-491,624	377,907	292,052	85,855	549,284	233,130	316,154		8,034,114

Personal Income by Region and State

- Total Personal Income, Fourth Quarter 1991
- Per Capita Personal Income, Year 1991

Total Personal Income

© ERSONAL INCOME in the Nation grew slightly This article was written by Howard faster in the fourth quarter of 1991 than in L. Friedenberg and the third quarter. It increased 0.9 percent after Rudolph E. DePass. increasing 0.7 percent; it had increased 1.1 percent The estimates of State personal in the second quarter and 0.1 percent in the first.1 Personal income growth picked up in 34 States. prepared by the Particularly sharp upswings occurred in the farm Regional Economic States of North Dakota, Montana, South Dakota, Kansas, and Idaho. (See tables 1 and 2 at the end of this article.)

> Despite the fourth-quarter pickup, personal income in the Nation grew more slowly in 1991 than in 1990. It increased only 3.2 percent in 1991 after increasing 6.5 percent in 1990.

1. These percent changes are not at annual rates.

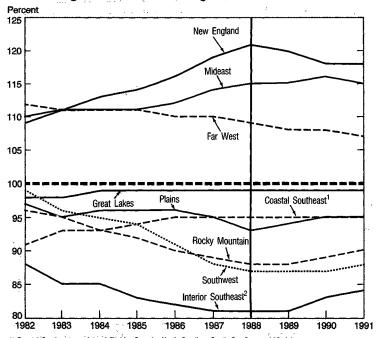
CHART 1

income were

Measurement

Division.

Per Capita Personal Income as a Percent of the U.S. Average, 1982-91, BEA Regions



 Coastal Southeast consists of Florida, Georgia, North Carolina, South Carolina, and Virginia.
 Interior Southeast consists of Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Tennessee, and West Virginia. U.S. Department of Commerce, Bureau of Economic Analysis

Per Capita Personal Income

Per capita personal income growth in the Nation slowed in 1991 for the third consecutive year. Per capita income increased 2.1 percent in 1991 after increasing 5.4 percent in 1990, 6.9 percent in 1989, and 7.1 percent in 1988. The increase in 1991 was the smallest since 1958. Prices as measured by the personal consumption expenditures fixed-weighted price index increased 4.1 percent in 1991—the first year since 1982 in which per capita income increased less than prices.

The slowdown in per capita income growth in 1991 encompassed all 50 States; it had encompassed 40 States in 1990 and 25 States in 1989. Only Wyoming, Montana, North Dakota, Hawaii, and Louisiana had per capita income increases larger than the 4.1-percent increase in U.S. prices in 1991. (See tables 3, 4, and 5 at the end of this article.)

Narrowing in regional and State differences

Regional differences in per capita personal income as a percentage of the U.S. average narrowed during 1988–91 after widening during 1982–88 (chart 1).² During 1988–91, per capita income converged toward the U.S average in the high-income New England and Far West regions and in the low-income Interior Southeast, Southwest, Rocky Mountain, and Plains regions.³ In contrast, during 1982-88, per capita income had diverged from the U.S. average in each of these regions except the Far West. In the highincome Mideast region, per capita income was unchanged as a percentage of the U.S. average during 1988-91 after diverging from the average during 1982-88.

State differences in per capita income also narrowed during 1988-91, in a pattern similar to that

^{2.} For a discussion of the widening during 1982-88, see "Regional Perspectives," Survey of Current Business 69 (April 1989): 35-36.

^{3. &}quot;High-income" ("low-income") regions are those with per capita incomes above (below) the U.S. average in 1991. In this article, per capita income "convergence" ("divergence") over time means that per capita income in the ending year of a timespan was closer to (further from) the U.S. average, in percentage terms, than in the beginning year of the timespan. For example, per capita income in New England converged to 118 percent of the U.S. average in 1991 from 121 percent in 1988.

of regions. In most of the States with the highest and lowest per capita incomes in 1991, per capita income converged toward the U.S. average during 1988–91 after diverging from the average during 1982–88 (table A).

Highest-income States.—Per capita incomes in 9 of the 15 highest-income States converged during 1988-91; all nine except Virginia are in the New England, the Mideast, or the Far West region. In Connecticut, Massachusetts, New Hampshire, and New Jersey, slow growth in personal income led to below-average increases in per capita income despite slow growth in population; in these States, personal income growth was dampened by sharp declines in construction earnings and below-average gains in earnings in manufacturing and in most private service-type industries.4 In Maryland, Delaware, California, and Nevada, fast growth in population led to below-average increases in per capita income despite near- or above-average growth in personal income.

Lowest-income States.—Per capita incomes in all of the 15 lowest-income States converged during 1988–91; all except South Carolina are in

the Interior Southeast, the Southwest, the Rocky Mountain, or the Plains region. In Mississippi, Arkansas, Louisiana, Kentucky, Alabama, and Tennessee, average or above-average growth in personal income combined with slow growth in population to produce above-average increases in per capita income. In most of these States, personal income growth was boosted by above-average gains in earnings in manufacturing, in construction, and in most private service-type industries.

In Utah, New Mexico, and Idaho, fast growth in personal income more than offset fast growth

Changes in Per Capita Personal Income

An area's per capita personal income can change in relation to the U.S. average because its total personal income, its population, or both may grow faster or slower than the U.S. average. For example, in Virginia, per capita income during 1988–91 converged from 106 to 105 percent of the U.S. average; the below-average increase in per capita income (4.2 percent, compared with the U.S. average of 4.8 percent) reflected slow growth in personal income (5.6 percent, compared with 5.8 percent) and fast growth in population (1.4 percent, compared with 1.0 percent).

Table A.—Per Capita Personal Income and Its Components for Selected States and the United States, 1982, 1988, and 1991

			Per c	apita perso			Avera	age annual	nercent cha	ange			
Rank in 1991	Selected States		Dollars	-		of U.S.	average	Per capita	personal		ersonal	Popul	ation
1991		1982	1988	1991	1982	1988	1991	1982-88	1988–91	1982–88	1988-91	198288	1988–91
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Highest-income States: Connecticut New Jersey Massachusetts New York Maryland Alaska Hawaii California New Hampshire Illinois Delaware Virginia Washington Colorado Nevada United States	14,411 13,965 12,692 12,692 12,704 17,213 11,805 13,216 11,596 12,417 12,014 11,622 12,024 12,680 12,428	22,958 22,200 20,607 19,403 19,507 18,635 17,014 18,695 19,437 17,961 17,944 17,675 16,451 16,669 17,176	25,881 25,372 22,897 22,495 22,080 21,932 21,306 20,952 20,951 20,824 20,349 19,976 19,440 19,175	125 121 110 110 110 150 103 115 101 108 104 101 105 110 108	138 134 124 117 118 112 102 113 117 108 108 106 99 100	136 133 120 118 116 115 112 110 109 107 105 102 100 100	8.1 8.0 8.4 7.3 7.4 1.3 6.3 9.0 6.3 7.2 5.4 4.7 5.5	4.1 4.6 3.6 5.6 7.8 3.9 2.5 5.1 4.2 5.7 4.2 5.7 4.8	8.8 8.7 9.1 7.7 8.9 4.5 7.8 8.4 11.4 6.3 8.9 6.8 9.1	4.3 4.8 3.7 5.7 7.4 9.6 6.1 3.2 5.5 6.0 5.6 8.5 10.1	0.7 .6 .6 .6 .3 .1.4 2.3 2.2 0 1.3 1.6 1.1 1.1 3.4	0.2 2.1 1.4 1.7 1.7 2.2 7,7 4.6 1.4 2.6 1.2
36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Lowest-income States: South Dakota Tennessee North Dakota Montana Oklahoma Alabama Kentucky South Carolina Idaho Louisiana New Mexico Arkansas Utah West Virginia Mississippi	9,543 9,248 10,568 10,097 11,451 8,879 9,307 8,744 10,307 9,541 8,654 9,042 9,064 8,038	12,906 14,118 12,488 12,943 13,572 13,145 13,018 12,222 12,948 12,611 12,693 12,469 12,220 11,973 11,321	16,392 16,325 16,088 16,043 15,827 15,567 15,539 15,420 15,401 14,753 14,529 14,174 13,343	83 80 92 88 100 77 81 76 81 90 83 75 79 79	78 85 75 78 82 79 78 80 76 76 76 74 72	86 84 84 83 82 81 81 79 78 77 76 74	5.2 7.3 2.8 4.2 2.9 6.8 5.8 7.1 5.6 4.9 6.3 5.1 4.7 5.9	8.3 5.0 8.8 7.4 5.3 6.1 5.3 6.3 5.4 5.8 5.8 5.8	5.4 8.0 2.5 4.1 2.7 7.2 5.7 8.2 5.8 6.6 6.6 6.6 6.6 6.6	8.6 5.9 7.6 7.8 5.3 6.4 6.7 6.0 6.7 6.2 7.6 5.2 5.2 5.8	2.6 3 1 2 4 0 0.0 1.0 2 1.5 4 -1.0 2	.2 .9 -1.1 .3 .1 .5 .3 .1.4 1.3 .4 .4 .1.6 .5 .1

^{4. &}quot;Private service-type industries" refers to transportation and public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and

Relation to the Revised National Estimates

SURVEY OF CURRENT BUSINESS

The estimates of the components of State personal income reflect the 1991 comprehensive revision of the national income and product accounts (NIPA's) only to the extent that quarterly movements in the component NIPA series were used as extrapolators to derive national control totals for 1991. The comprehensive revision of the NIPA estimates for 1991 and earlier years will be incorporated into the annual and quarterly State estimates later in 1992.

As noted in the January 1992 Survey of Current Business,² the quarterly nipa estimates of wages and salaries are usually based on monthly data on employment, hours, and earnings from the Bureau of Labor Statistics establishment survey. For the quarters of 1991, the nipa estimates incorporate adjustments to reflect the considerable divergence between the monthly employment data for the first quarter of 1991 from the establishment survey and the first-quarter tabulations of employment covered by unemployment insurance, which became available last September. The downward adjustments to nipa wages and salaries (at annual rates) amounted to \$15 billion in the first quarter and \$10 billion in each of the remaining three quarters.

In preparing the 1991 State estimates, the adjustments to the national wage and salary estimates were reviewed in light of newly available data on unemployment insurance tabulations for the first three quarters of 1991. Based on this review, no changes were made to the adjustments.

in population, producing above-average increases in per capita income. In these States, the fast growth in personal income reflected aboveaverage gains in earnings in mining (except in Idaho), manufacturing, construction, and trade.

In North Dakota, South Dakota, and Montana, fast growth in personal income combined with

slow growth in population to produce aboveaverage increases in per capita income. In these States, personal income growth was boosted by above-average gains in farm income and in earnings in construction and retail trade.

Tables 1 through 5 follow.

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^{1.} For a description of the NIPA revision, see "The Comprehensive Revision of the U.S. National Income and Product Accounts: A Review of Revisions and Major Statistical Changes," Survey of Current Business 71 (December 1991): 24–42.

^{2.} See boxes on pages 4 and 141 of the January 1992 SURVEY.

Table 1.—Total Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates].

		19	88				89	, seasonair	y adjusted		90			10	91		Percent	channe
State and region	1'	111	1117	۱۷۰	lr.	II r	III r	۱۷r	1r	117	1117	IV r	lr.	111	1117	IV <i>P</i>	1991:111-	1990:IV-
United States 1	3,938,098	4,021,956	4,095,850	4,181,025	4,295,549	4,353,008	4,393,189	4,470,917	4,572,654	4,642,888	4,699,177	4,741,509	4,746,203	4,796,329	4,830,327	4,875,468	1991:IV .9	1991:IV 2.8
New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont	253,910 72,625 17,546 119,016 20,276 16,231 8,216	259,984 73,951 18,055 121,938 20,823 16,747 8,470	265,990 75,883 18,569 124,423 21,263 17,074 8,779	272,932 78,055 19,073 127,609 21,818 17,440 8,936	277,528 78,776 19,724 129,673 22,253 17,821 9,282	280,752 79,826 20,003 131,045 22,433 18,054 9,391	282,948 80,636 20,100 132,087 22,518 18,162 9,445	285,582 81,515 20,471 133,022 22,634 18,369 9,571	288,846 82,094 20,860 134,440 22,891 18,737 9,823	292,186 83,287 21,182 135,756 23,150 18,927 9,884	294,623 84,165 21,377 136,801 23,282 19,030 9,967	293,766 84,650 21,206 136,106 23,024 18,908 9,871	293,851 84,316 21,263 136,425 23,022 18,953 9,871	295,625 85,326 21,213 137,154 23,088 18,871 9,974	296,318 85,408 21,410 137,288 23,195 18,891 10,125	298,029 85,652 21,577 138,302 23,274 18,970 10,254	.6 .3 .8 .7 .3 .4 1.3	1.5 1.2 1.8 1.6 1.1 .3 3.9
Mideast Delaware District of Columbia Maryland New Jersey New York Pennsylvania	805,674 11,071 12,744 87,779 165,686 339,719 188,675	818,967 11,456 13,032 89,456 168,849 343,979 192,196	837,620 11,865 13,289 92,316 172,939 350,032 197,178	856,161 12,100 13,482 93,955 177,486 358,965 200,172	874,328 12,430 13,588 96,530 179,216 367,311 205,253	886,977 12,662 13,715 97,898 181,693 373,697 207,311	897,000 12,736 13,792 99,195 183,567 377,509 210,202	909,937 12,944 14,037 100,740 185,728 383,502 212,985	928,481 13,256 13,934 103,113 188,941 392,034 217,204	942,423 13,425 14,040 104,684 192,067 396,643 221,564	953,543 13,544 14,321 105,956 194,055 401,281 224,386	957,821 13,559 14,491 106,063 194,792 403,504 225,412	955,703 13,699 14,471 106,272 194,171 401,037 226,054	965,701 13,764 14,596 107,206 196,413 405,513 228,210	969,839 13,786 14,662 107,510 197,870 406,735 229,275	976,539 14,094 14,759 108,231 199,150 408,697 231,607	.7 2.2 .7 .7 .6 .5	2.0 3.9 1.9 2.0 2.2 1.3 2.7
Great Lakes Illinois Indiana Michigan Ohio Wisconsin	666,999 201,166 81,006 148,292 163,899 72,637	676,394 202,406 81,764 150,674 167,568 73,982	688,243 205,413 83,013 153,791 170,623 75,403	699,456 209,455 83,478 156,389 173,100 77,033	723,582 216,830 88,144 160,756 177,731 80,121	730,234 219,245 88,832 162,166 179,179 80,812	736,856 221,192 89,057 164,309 181,028 81,269	747,243 225,159 90,216 166,060 183,127 82,682	760,609 229,115 92,612 167,523 186,636 84,724	773,181 232,299 93,269 170,928 190,742 85,942	782,466 235,390 94,792 173,149 192,111 87,023	787,852 238,490 95,239 173,079 193,545 87,498	785,246 236,869 95,136 171,845 193,646 87,749	794,224 240,159 96,087 174,599 194,477 88,902	801,145 241,464 96,971 175,767 197,097 89,846	808,727 243,000 98,122 177,718 198,708 91,179	.9 .6 1.2 1.1 .8 1.5	2.6 1.9 3.0 2.7 2.7 4.2
Plains iowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota	269,285 41,968 38,235 70,324 77,324 23,506 8,684 9,244	272,057 41,057 39,540 70,404 79,135 24,408 8,463 9,050	269,919 40,560 39,139 70,771 79,807 23,478 7,514 8,650	277,095 41,093 40,606 72,247 81,488 24,479 8,080 9,104	290,209 45,032 41,059 75,834 83,449 25,620 9,218 9,997	292,926 44,944 41,810 76,746 84,559 25,791 9,011 10,066	292,964 44,464 41,574 77,496 85,254 25,514 8,746 9,916	302,392 46,278 43,331 79,696 86,885 26,272 9,525 10,406	309,173 48,330 44,023 80,805 88,056 27,687 9,387 10,886	311,636 47,731 44,475 82,047 89,356 27,594 9,461 10,972	312,454 48,009 44,515 82,530 89,929 27,217 9,374 10,881	320,007 48,335 46,611 83,505 91,104 28,066 10,879 11,506	317,328 48,783 45,214 83,439 90,981 27,999 9,758 11,154	320,671 48,743 46,060 84,210 91,534 28,490 10,072 11,562	321,343 48,732 45,858 85,017 92,098 28,460 9,753 11,425	328,611 49,462 47,574 86,088 93,478 28,781 11,255 11,974	2.3 1.5 3.7 1.3 1.5 1.1 15.4 4.8	2.7 2.3 2.1 3.1 2.6 2.5 3.4 4.1
Southeast Alabama Arkansas Florida Georgia Kentucky Louisiana Mississippi North Carolina South Carolina Tennessee Virginia West Virginia	819,965 50,925 527,905 196,421 93,902 46,464 52,728 28,236 89,776 43,439 102,901 21,446	842,915 52,506 29,567 201,972 96,397 47,642 53,933 29,107 91,951 44,792 67,558 105,677 21,814	861,146 53,487 29,455 208,276 98,285 48,513 54,332 29,468 94,694 45,685 68,806 108,087 22,058	877,922 54,684 29,926 212,769 100,172 49,036 55,377 30,051 96,603 46,577 70,182 110,196 22,350	901,584 55,593 31,270 219,432 102,306 50,789 56,015 30,947 99,377 48,291 71,439 113,239 22,885	913,185 56,426 31,057 224,011 103,468 51,157 56,398 30,963 100,688 48,740 72,395 115,047 22,836	918,267 56,786 30,954 227,214 104,346 51,694 56,715 30,987 101,270 45,943 73,163 116,195 23,000	938,543 57,823 31,504 231,740 105,910 52,605 57,779 31,466 103,681 50,173 74,440 118,003 23,420	963,718 59,303 33,166 236,895 108,828 54,245 59,746 32,489 106,558 51,752 76,078 120,557 24,101	977,186 60,487 33,280 240,254 110,395 54,917 60,716 32,882 107,959 52,843 77,033 121,915 24,503	990,782 61,092 33,330 244,235 111,997 55,702 61,634 33,186 109,719 53,501 78,202 123,391 24,794	996,328 61,845 33,670 245,958 112,220 56,414 62,619 33,552 108,626 53,791 78,886 123,739 25,009	1,005,912 62,727 34,705 248,161 113,254 56,443 63,507 34,111 109,287 54,432 79,609 124,469 25,208	1,014,533 63,211 34,699 249,853 114,556 57,147 64,076 34,416 110,608 54,639 80,556 125,321 25,451	1,025,262 64,012 35,161 251,584 115,592 58,222 64,659 34,635 113,786 55,003 81,202 125,787 25,620	1,034,027 64,673 35,409 253,081 116,597 58,998 65,277 35,180 114,780 55,476 82,048 126,684 25,824	9 1.0 .7 .6 .9 1.3 1.0 1.6 .9 9.0 1.0	3.8 4.6 5.2 2.9 3.9 4.6 4.2 4.9 5.7 3.1 4.0 2.4 3.3
Southwest	349,266 50,597 18,399 41,986 238,284	358,658 51,957 18,877 42,748 245,076	362,137 52,961 19,009 43,233 246,935	368,866 53,491 19,391 43,993 251,992	378,336 54,890 19,735 44,968 258,743	382,498 55,328 20,114 45,367 261,688	385,480 55,766 20,319 45,622 263,773	394,237 56,646 20,756 46,779 270,055	403,303 57,528 21,100 47,460 277,214	411,486 58,624 21,385 48,101 283,377	418,047 59,510 21,855 48,780 287,902	424,310 60,030 22,300 50,065 291,916	427,511 60,834 22,558 49,387 294,733	433,704 61,597 22,853 50,049 299,205	436,603 61,552 23,105 50,254 301,692	441,987 62,014 23,381 51,297 305,296	1.2 .8 1.2 2.1 1.2	4.2 3.3 4.8 2.5 4.6
Rocky Mountain Colorado Idaho Montana Utah Wyoming	101,360 52,793 12,232 9,979 19,967 6,389	104,060 54,158 12,589 10,219 20,467 6,627	105,331 54,734 12,910 10,226 20,881 6,580	108,098 55,866 13,323 11,010 21,275 6,623	110,590 57,098 13,817 11,282 21,662 6,731	112,457 57,912 14,097 11,515 22,145 6,787	113,415 58,609 14,156 11,446 22,364 6,840	116,645 59,813 14,714 12,202 22,917 6,998	118,183 60,675 15,082 11,866 23,419 7,141	120,438 61,771 15,387 11,977 23,972 7,331	121,856 62,604 15,335 12,054 24,467 7,396	125,458 64,069 15,887 13,034 24,882 7,587	12 5,366 64,337 15,541 12,575 25,187 7,726	127,399 65,361 15,890 12,797 25,551 7,800	128,461 65,822 16,022 12,790 25,911 7,916	131,591 67,052 16,571 13,720 26,226 8,022	2.4 1.9 3.4 7.3 1.2 1.3	4.9 4.7 4.3 5.3 5.4 5.7
Far West California Nevada Oregon Washington	643,938 513,243 17,567 39,528 73,600	660,756 526,348 18,249 40,580 75,579	676,870 539,412 18,770 41,579 77,110	691,052 549,861 19,284 42,831 79,076	708,986 563,470 20,082 43,822 81,611	722,549 573,340 20,653 44,988 83,568	733,994 582,049 21,110 45,691 85,143	743,689 587,518 21,774 46,977 87,420	766,889 606,706 22,552 47,943 89,687	780,108 616,783 23,060 48,908 91,358	790,415 624,341 23,707 49,513 92,853	800,248 631,218 23,935 50,269 94,826	799,075 628,795 24,166 50,474 95,640	808,119 635,834 24,453 51,031 96,800	814,541 639,991 24,750 51,718 98,082	818,594 641,417 25,102 52,383 99,691	.5 2 1.4 1.3 1.6	2.3 1.6 4.9 4.2 5.1
Alaska Hawaii	9,915 17,787	10,052 18,113	10,085 18,510	10,353 19,090	10,738 19,670	11,259 20,171	11,590 20,674	11,467 21,183	11,678 21,774	11,858 22,385	11,985 23,005	12,211 23,508	12,413 23,797	12,362 23,992	12,511 24,304	12,749 24,614	1.9 1.3	4.4 4.7
			Census Divisions													·		
New England	253,910 694,080 666,999 269,285 659,479 191,446 360,903 187,922 654,073	259,984 705,023 676,394 272,057 676,547 196,812 371,324 193,143 670,672	265,990 720,149 688,243 269,919 694,556 200,274 373,954 196,070 686,695	272,932 736,624 699,456 277,095 708,203 203,953 381,287 200,264 701,211	277,528 751,779 723,582 290,209 728,079 208,768 390,996 205,297 719,311	280,752 762,701 730,234 292,926 739,065 210,940 394,511 208,552 733,326	282,948 771,278 736,856 292,964 743,692 212,630 397,661 745,148	285,582 782,216 747,243 302,392 760,648 216,333 406,118 215,822 754,564	288,846 798,178 760,609 309,173 778,993 222,116 417,587 219,364 777,790	292,186 810,274 773,181 311,636 790,020 225,319 425,475 223,506 791,292	294,623 819,723 782,466 312,454 801,456 228,182 431,646 226,928 801,699	293,766 823,708 787,852 320,007 803,456 230,697 438,269 231,724 812,031	293,851 821,261 785,246 317,328 809,253 232,890 442,331 232,923 811,119	295,625 830,135 794,224 320,671 815,993 235,330 448,028 236,302 820,020	296,318 833,881 801,145 321,343 823,330 238,071 451,766 237,868 826,606	298,029 839,454 808,727 328,611 829,528 240,898 457,279 242,088 830,854	.6 .7 .9 2.3 .8 1.2 1.2 1.8	1.5 1.9 2.6 2.7 3.2 4.4 4.3 4.5 2.3

Data Availability

Quarterly estimates for the years 1969-87 are available from the Regional Economic Information System, Regional Economic Measurement Division, BE-55, Bureau of Economic Analysis, U. S. Department of Commerce, Washington, DC 20230, or call (202) 254-6630.

⁷ Revised.

⁸ Preliminary.

1. The personal income level shown for the United States is derived as the sum of the State estimates; it differs from the national income and product accounts (NIPA) estimate of personal income because, by definition, it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed abroad tem-

porarily by private U.S. firms. It can also differ from the NIPA estimate because of different data sources and revision schedules.

NOTE.—The quarterly estimates of State personal income were prepared by Marian B. Sacks, James P. Stehle, Isabelle B. Whiston, and James M. Zavrel, under the supervision of Robert L. Brown.

Table 2.—Nonfarm Personal Income, States and Regions [Millions of dollars, seasonally adjusted at annual rates]

		19	88			•	89			19				19	91		Percent	change
State and region	1'	IJr.	III."	IV r	l'	11'	m,	IV'	1r	117	III <i>*</i>	IV r	ļr.	11'	ill "	IV <i>P</i>	1991:III- 1991:IV	1990:IV- 1991:IV
United States	3,886,829	3,968,952	4,051,719	4,134,392	4,227,367	4,291,298	4,343,171	4,412,372	4,502,621	4,581,531	4,648,707	4,684,213	4,697,292	4,743,736	4,782,823	4,821,354	.8	2.9
New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont	253,236 72,462 17,445 118,812 20,221 16,194 8,101	259,234 73,765 17,946 121,716 20,761 16,704 8,342	265,022 75,647 18,418 124,139 21,184 17,015 8,619	272,064 77,842 18,936 127,355 21,748 17,390 8,793	276,628 78,559 19,558 129,407 22,195 17,775 9,134	279,879 79,614 19,847 130,786 22,377 18,010 9,244	282,088 80,432 19,953 131,833 22,460 18,116 9,295	284,700 81,311 20,303 132,769 22,579 18,325 9,412	287,828 81,825 20,670 134,161 22,827 18,692 9,653	291,255 83,044 21,017 135,498 23,088 18,886 9,722	293,774 83,941 21,220 136,571 23,227 18,996 9,819	293,022 84,447 21,054 135,908 22,976 18,876 9,760	293,115 84,105 21,166 136,187 22,973 18,916 9,768	294,845 85,107 21,112 136,900 23,035 18,832 9,858	295,480 85,177 21,296 137,014 23,141 18,853 10,000	297,255 85,429 21,468 138,047 23,227 18,935 10,150	.6 .3 .8 .8 .4 .4 .4	1.4 1.2 2.0 1.6 1.1 .3 4.0
Mideast Delaware District of Columbia Maryland New Jersey New York Pennsylvania	803,394 10,938 12,744 87,404 165,416 339,039 187,853	816,528 11,297 13,032 89,032 168,551 343,311 191,305	834,743 11,643 13,289 91,805 172,586 349,290 196,129	853,494 11,891 13,482 93,470 177,157 358,267 199,228	870,978 12,218 13,588 95,951 178,857 366,351 204,013	883,679 12,441 13,715 97,405 181,339 372,701 206,078	893,993 12,553 13,792 98,754 183,252 376,608 209,033	906,854 12,757 14,037 100,290 185,417 382,593 211,760	924,721 13,035 13,934 102,514 188,589 390,870 215,779	938,893 13,223 14,040 104,151 191,729 395,539 220,211	950,385 13,361 14,321 105,469 193,762 400,316 223,157	955,057 13,408 14,491 105,637 194,518 402,677 224,326	953,348 13,547 14,471 105,866 193,895 400,317 225,252	963,205 13,597 14,596 106,783 196,118 404,763 227,348	967,282 13,634 14,662 107,072 197,552 405,979 228,384	974,056 13,932 14,759 107,809 198,859 407,972 230,725	.7 2.2 .7 .7 .7 .5 1.0	2.0 3.9 1.9 2.1 2.2 1.3 2.9
Great Lakes Illinois Indiana Michigan Ohio Wisconsin	658,121 197,993 78,955 147,360 162,603 71,210	670,164 200,490 80,661 149,852 166,462 72,699	685,479 205,352 82,836 153,168 169,886 74,237	697,613 209,539 84,171 155,672 172,653 75,578	712,871 213,743 86,379 159,370 176,193 77,187	720,793 216,872 87,227 160,790 177,782 78,120	729,872 219,539 87,903 163,239 180,000 79,190	739,600 223,292 88,878 164,968 181,990 80,472	7 50,097 226,141 90,793 166,090 184,892 82,181	765,149 230,391 91,930 169,829 189,342 83,656	776,120 233,958 93,819 172,280 190,970 85,093	781,672 237,045 94,261 172,153 192,343 85,870	780,084 235,581 94,435 170,967 192,815 86,285	789,385 238,969 95,555 173,707 193,698 87,456	797,447 240,901 96,691 174,988 196,473 88,394	804,554 242,242 97,716 176,907 197,990 89,698	.9 .6 1.1 1.1 .8 1.5	2.9 2.2 3.7 2.8 2.9 4.5
Plains lowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota	255,611 37,806 36,709 67,628 76,271 21,221 7,880 8,095	260,691 38,560 37,616 68,643 78,035 21,566 7,983 8,288	264,705 39,360 38,098 69,737 79,168 21,938 8,020 8,383	270,241 40,311 38,832 71,464 80,523 22,415 8,124 8,571	275,893 41,181 39,746 72,777 82,099 23,020 8,300 8,770	280,798 41,965 40,395 74,309 83,346 23,442 8,394 8,947	284,465 42,356 40,847 75,529 84,369 23,817 8,485 9,060	289,945 43,387 41,681 77,151 85,594 24,243 8,630 9,259	293,857 43,999 42,296 77,844 86,855 24,668 8,731 9,463	299,222 44,661 43,008 79,486 88,369 25,231 8,833 9,635	303,334 45,443 43,703 80,594 89,183 25,580 8,980 9,851	306,373 45,941 44,001 81,457 89,887 26,027 9,101 9,958	308,071 46,308 44,321 81,718 90,212 26,190 9,209 10,113	310,810 46,799 44,742 82,509 90,822 26,411 9,297 10,231	314,226 47,167 45,354 83,602 91,487 26,811 9,407 10,398	317,217 47,569 45,707 84,404 92,443 27,022 9,550 10,522	1.0 .9 .8 1.0 1.0 .8 1.5	3.5 3.5 3.9 3.6 2.8 3.8 4.9 5.7
Southeast Alabama Arkansas Florida Georgia Kentucky Lousiana Mississippi North Carolina South Carolina Tennessee Virginia West Virginia	809,343 50,070 26,907 194,135 92,800 45,589 52,045 27,293 88,473 43,079 102,360 21,394	829,646 51,506 27,502 199,472 95,181 46,555 52,897 27,963 90,419 44,353 66,856 105,086 21,754	847,394 52,277 27,846 205,229 96,871 47,493 53,623 28,474 92,821 45,281 68,085 107,400 21,993	863,537 53,381 28,269 209,942 98,573 48,038 54,358 28,896 94,832 46,106 69,336 109,522 22,285	885,165 54,370 28,876 216,242 100,610 49,414 54,910 29,694 97,449 47,751 70,496 112,533 22,819	898,565 55,288 29,330 220,734 101,806 49,888 55,699 30,144 98,794 48,228 71,623 114,263 22,768	906,179 55,784 29,767 224,319 102,882 50,590 56,283 30,425 99,637 45,522 72,533 115,498 22,938	926,123 56,814 30,368 228,937 104,526 51,363 57,302 30,836 101,936 49,671 73,702 117,301 23,366	948,049 31,042 234,027 107,240 52,841 58,712 31,468 104,281 51,298 75,248 119,735 24,001	963,696 59,331 31,518 238,139 108,944 53,742 59,832 31,993 105,867 52,443 76,301 121,179 24,406	979,002 60,124 32,097 241,645 110,785 54,693 61,048 32,542 107,855 53,193 77,605 122,707 24,708	984,526 60,821 32,380 243,477 111,038 55,317 62,037 32,859 106,928 53,424 78,197 123,116 24,933	993,029 61,739 32,849 245,704 111,926 55,354 62,764 33,192 107,493 53,986 78,991 123,890 25,141	1,001,530 62,211 33,103 247,205 113,062 56,154 63,434 33,479 108,680 54,145 79,966 124,715 25,376	1,011,560 62,885 33,595 248,559 113,992 57,113 64,134 33,933 111,530 54,536 80,605 125,140 25,539	1,020,837 63,525 34,046 250,205 115,124 57,770 64,774 34,333 112,870 55,016 81,345 126,080 25,750	1.0 1.3 .7 1.0 1.2 1.2 1.2 9 .8	3.7 4.4 5.1 2.8 3.7 4.4 4.5 5.6 3.0 4.0 2.4 3.3
Southwest	344,552 49,990 18,108 40,862 235,592	352,021 51,174 18,561 41,610 240,677	357,161 52,260 18,717 42,119 244,066	362,543 52,844 19,031 42,686 247,982	370,574 54,023 19,385 43,469 253,696	375,887 54,613 19,738 44,016 257,520	380,439 55,129 19,938 44,490 260,882	387,679 55,907 20,240 45,330 266,201	395,536 56,904 20,694 46,082 271,857	403,915 57,998 21,028 46,830 278,060	412,181 58,952 21,520 47,563 284,147	416,966 59,499 21,820 48,249 287,398	421,507 60,266 22,182 48,606 290,453	426,872 60,920 22,428 49,046 294,478	430,781 60,963 22,699 49,395 297,724	435,284 61,377 22,891 49,962 301,055	1.0 .7 .8 1.1 1.1	4.4 3.2 4.9 3.5 4.8
Rocky Mountain Colorado Idaho Montana Utah Wyoming	99,638 52,187 11,577 9,789 19,779 6,306	101,735 53,185 11,849 10,026 20,206 6,469	103,421 54,021 12,098 10,193 20,619 6,490	105,226 54,860 12,374 10,488 20,998 6,505	107,573 56,114 12,692 10,709 21,417 6,640	109,354 56,843 12,953 10,985 21,891 6,683	110,862 57,718 13,135 11,112 22,129 6,767	112,842 58,545 13,469 11,330 22,623 6,875	115,141 59,606 13,834 11,581 23,102 7,018	117,400 60,739 14,124 11,674 23,667 7,196	119,591 61,826 14,398 11,872 24,215 7,280	121,478 62,809 14,656 12,003 24,585 7,426	123,111 63,537 14,859 12,205 24,990 7,521	124,490 64,331 15,045 12,235 25,323 7,555	126,142 65,017 15,275 12,496 25,701 7,653	127,713 65,817 15,533 12,622 25,978 7,763	1.2 1.2 1.7 1.0 1.1 1.4	5.1 4.8 6.0 5.2 5.7 4.6
Far West	635,488 506,976 17,511 38,647 72,354	651,038 519,133 18,180 39,576 74,148	665,505 531,039 18,689 40,362 75,415	680,521 542,269 19,206 41,691 77,356	697,555 555,095 19,968 42,702 79,790	711,189 565,104 20,540 43,880 81,666	723,284 574,190 21,005 44,644 83,445	732,260 579,482 21,665 45,757 85,356	754,238 597,407 22,432 46,699 87,700	768,049 607,822 22,950 47,711 89,566	779,612 616,248 23,610 48,509 91,246	789,672 624,008 23,840 49,081 92,743	789,068 621,582 24,050 49,580 93,855	796,506 627,461 24,330 50,007 94,709	803,363 631,704 24,623 50,741 96,295	807,341 633,766 24,984 51,247 97,344	.5 .3 1.5 1.0 1.1	2.2 1.6 4.8 4.4 5.0
Alaska Hawaii	9,904 17,542	10,040 17,856	10,068 18,220	10,334 18,818	10,726 19,406	11,247 19,907	11,578 20,412	11,451 20,918	11,666 21,489	11,846 22,105	11,975 22,732	12,198 23,250	12,403 23,556	12,351 23,741	12,499 24,041	12,735 24,360	1.9 1.3	4.4 4.8
		<u> </u>			·				Census D	ivisions	•	•	<u> </u>	•	•	•	•	
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	253,236 692,308 658,121 255,611 653,328 188,150 355,405 185,247 645,424	362,686 189,649	265,022 718,006 685,479 264,705 686,334 196,329 367,654 193,087 675,103	272,064 734,652 697,613 270,241 700,101 199,652 373,295 196,307 690,468	276,628 749,221 712,871 275,893 719,162 203,975 380,951 200,948 707,719	279,879 760,118 720,793 280,798 730,154 206,944 386,565 204,245 721,804	282,088 768,894 729,872 284,465 735,896 209,332 391,423 206,933 734,269	284,700 779,770 739,600 289,945 752,823 212,714 399,201 210,655 742,964	287,828 795,238 750,097 293,857 770,064 217,714 407,693 215,170 764,961			293,022 821,521 781,672 306,373 796,451 227,194 430,064 226,638 801,279	293,115 819,464 780,084 308,071 802,024 229,277 434,672 229,610 800,976	294,845 828,229 789,385 310,810 808,159 231,810 440,061 232,168 808,269	295,480 831,914 797,447 314,226 814,664 234,536 444,848 234,427 815,281	297,255 837,556 804,554 317,217 821,544 236,974 449,836 236,965 819,452	1.0 .8 1.0 1.1	1.4 2.0 2.9 3.5 3.2 4.3 4.6 4.6 2.3

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NOTE.—Nonfarm personal income is total personal income less farm earnings.

Table 3.—Total and Per Capita Personal Income for States and Regions, 1986-91

	!	-		Total]			Per capit	a 3				
Area name			Millions	of dollars			Percent			Dol	lars			Rank i	n U.S.
And halle	1986	1987	1988 7	1989 *	1990 <i>°</i>	1991 <i>P</i>	change ²	1986	1987	1988 ′	1989 '	1990′	1991 <i>P</i>	1986	1991
United States 1	3,519,364	3,754,577	4,059,232	4,378,166	4,664,057	4,812,082	3.2	14,654	15,494	16,600	17,738	18,696	19,082		
New England	218,577	239,481	263,203	281,702	292,356	295,956	1.2	17,030	18,489	20,113	21,371	22.111	22,425		}
Connecticut	62,300	68,401	75,128	80,188	83,549	85,176	1.9	19,323	21,061	22,958	24,422	25,395	25,881	1	1
Maine	15,036	16,622	18,311	20,075	21,156	21,366	1.0	12,848	14,030	15,208	16,455	17,183	17,306	34 4	30
New Hampshire	102,800 17,039	112,127 19,062	123,246 21,045	131,457 22,459	135,776 23,087	137,292 23,145	1.1	17,414 16,620	18,889 18,078	20,607 19,437	21,853 20,334	22,555 20,773	22,897 20,951	8	و ا
Rhode Island	14,255	15,444	16,873	18,101	18,901	18,921		14,584	15,605	16,932	18,089	18,809	18,840	20	19
Vermont	7,148	7,824	8,599	9,422	9,886	10,056	1.7	13,382	14,479	15,640	16,895	17,506	17,747	30	26
Mideant	707 505	700.007	920 605	902.050	OAE ECO	000 045	ا م	10 450	47 047	40.007	20.467	24 526	22 047		
Mideast Delaware	707,565 9,749	760,967 10,616	829,605 11,623	892,059 12,693	945,568 13,446	966,945 13,836	2.3 2.9	16,456 15,532	17,617 16,666	1 9,097 17,944	20,467 19,282	21,636 20,095	22,017 20,349	10	11
District of Columbia	11,423	12,141	13,137	13,783	14,196	14,622	3.0	17,895	19,059	20,835	22,083	23,603	24,439		
Maryland	75,685	82,683	90,877	98,591	104,954	107,305	2.2	16,866	18,108	19,507	20,856	21,857	22,080	5	5
New Jersey	143,110	155,737	171,240	182,551	192,464	196,901	2.3	18,773	20,300	22,200	23,628	24,881	25,372	2 7	2
New YorkPennsylvania	297,901 169,697	319,229 180,559	348,174 194,555	375,504 208,938	398,366 222,141	405,495 228,786	1.8 3.0	16,703 14,400	17,863 15,286	19,403 16,422	20,881 17,608	22,129 18,679	22,456 19,128	21	16
1 Unity ratio	100,007	100,000	134,500	200,000	222,141	220,700	3.0	17,700	10,200	10,722	17,000	10,075	10,120	۷.	۰.
Great Lakes	602,457	636,335	682,773	734,479	776,027	797,335	2.7	14,531	15,298	16,363	17,541	18,444	18,799		
Illinois	178,528	189,659	204,610	220,607	233,824	240,373	2.8	15,676	16,647	17,961	19,335	20,433	20,824	9	10
Indiana	72,415 136,040	76,907 142,377	82,315 152,286	89,062 163,322	93,978 171,170	96,579 174,982	2.8 2.2	13,276 14,902	14,050 15,495	14,987 16,518	16,124 17,650	16,921 18,378	17,217 18,679	31 15	32 20
MichiganOhio	148,975	157,250	168,797	180,266	190,758	195,982	2.7	13,882	14,612	15,629	16,646	17,568	17,916	24	23
Wisconsin	66,498	70,142	74,764	81,221	86,297	89,419	3.6	13,981	14,678	15,501	16,724	17,590	18,046	23	23 22
	1		1			,		1 1							
Plains	244,889	257,071	272,089	294,622	313,318	321,989	2.8	14,078	14,749	15,516	16,744	17,711	18,079		28
lowa	37,739	39,149	41,170 39,380	45,179	48,101	48,930	1.7	13,515	14,147	14,869 15,993	16,307	17,301	17,505	29 19	
Kansas	35,596 62,774	37,046 66,670	70,937	41,943 77,443	44,906 82,221	46,177 84,688	2.8 3.0	14,631	15,147 15,740	16,509	16,962 17.852	18,104 18,731	18,511 19,107	14	21
Missouri	70,490	74,561	79,438	85,036	89,611	92,023	2.7	14,032	14,743	15,630	16,687	17,479	17,842	22	25
Nebraska	21,583	22,331	23,967	25,799	27,641	28,432	2.9	13,708	14,253	15,249	16,382	17,490	17,852	22 25	25 24
North Dakota	8,386	8,527	8,185	9,124	9,775	10,209	4.4	12,524	12,896	12,488	14,116	15,355	16,088	35	38
South Dakota	8,321	8,787	9,012	10,097	11,061	11,529	4.2	11,954	12,623	12,906	14,492	15,890	16,392	39	36
Couthoast	728,365	782,708	850,487	917,894	982,002	1,019,934	3.9	12,808	13,602	14,631	15,628	16,514	16,927		ļ
Southeast	46,003	48,959	52,901	56,657	60,681	63,656	4.9	11,524	12,192	13,145	14,058	14,998	15,567	42	41
Arkansas	26,052	27,235	29,214	31,196	33,361	34,993	4.9	11,170	11,626	12,469	13,296	14,176	14,753	47	47
Florida	171,116	187,065	204,859	225,599	241,836	250,670	3.7	14,664	15,590	16,644	17,851	18,539	18,880	18	18
Georgia	82,409	89,194	97,189	104,007	110,860	115,000	3.7	13,542	14,365	15,385	16,223	17,045	17,364	27	29 42
Kentucky	41,956	44,589	47,914	51,561	55,319	57,702	4.3	11,375	12,104	13,018	14,021 13,338	14,992 14,528	15,539	45 43	42
Louisiana	50,659 25,402	50,886 26,903	54,093 29,215	56,727 31,091	61,178 33,027	64,380 34,586	5.2 4.7	11,494 9,793	11,712 10,392	12,611 11,321	12,077	12,830	15,143 13,343	50	45 50
North Carolina	78,788	85,212	93,256	101,254	108,215	112,115	3.6	12,462	13,305	14,388	15,422	16,266	16,642	37	34
South Carolina	38,339	41,356	45,123	48,286	52,971	54,888	3.6	11,468	12,232	13,222	13,969	15,141	15,420	44	43
Tennessee	57,850	62,740	68,092	72,859	77,550	80,854	4.3	12,206	13,116	14,118	15,009	15,868	16,325	38	37
Virginia	89,589	97,754	106,715	115,621	122,401	125,565	2.6	15,413	16,476	17,675	18,891	19,701	19,976	11	12
West Virginia	20,202	20,814	21,917	23,035	24,602	25,526	3.8	10,731	11,204	11,973	12,751	13,744	14,174	49	49
Southwest	327,232	337,859	359,732	385,139	414,286	434,951	5.0	13,309	13,650	14,468	15,354	16,309	16,845		
Arizona	44,769	48,813	52,252	55,657	58,923	61,499	4.4	13,531	14,200	14,778	15,366	16,006	16,401	28	35
New Mexico	16,890	17,761	18,919	20,231	21,660	22,974	6.1	11,545	12,011	12,693	13,452	14,254	14,844	41	46
Oklahoma	40,596	40,820	42,990	45,684	48,602 285,101	50,247	3.4 5.3	12,479	12,714 13,863	13,572	14,501 15,682	15,451 16,717	15,827 17,305	36 26	40 31
Texas	224,977	230,464	245,572	263,566	200,101	300,231	5.3	13,363	13,003	14,732	15,002	10,717	17,303	20	3"
Rocky Mountain	95,051	98.934	104,712	113,277	121,484	128,204	5.5	13,200	13,728	14,536	15,659	16,654	17,199		l
Colorado	49,420	51,455	54,387	58,358	62,280	65,643	5.4	15,263	15,779	16,669	17,815	18,860	19,440	12	14
ldaho	11,198	11,841	12,764	14,196	15,423	16,006	3.8	11,307	12,020	12,948	14,276	15,250	15,401	46	44
Montana	9,588	9,986	10,359	11,611	12,233	12,970	6.0	11,781	12,402	12,943	14,520	15,304	16,043	40 48	39 48
Utah	18,391 6,454	19,373 6,279	20,648 6,555	22,272 6,840	24,185 7,363	25,719 7,866	6.3 6.8	11,059 13,020	11,543 13,163	12,220 14,091	13,056 14,921	13,985 16,283	14,529 17,118	33	33
Wyoming	0,404	0,2/9	0,333	0,040	1,505	7,000	0.0	13,020	13,103	14,031	17,321	10,200	17,110	55	33
Far West	569,801	614,864	668,155	727,307	784,416	810,082	3.3	16,177	17,061	18,095	19,194	20,139	20,455		
California	453,110	490,104	532,217	576,597	619,762	636,509	2.7	16,716	17,642	18,695	19,734	20,689	20,952	.6	8
Nevada	14,932	16,476	18,468	20,905	23,314	24,618	5.6	15,225	16,098	17,176	18,380	19,049	19,175	13	15
Oregon	35,479	37,721	41,130	45,370	49,159	51,402	4.6	13,219	13,964	15,002	16,258	17,182	17,592	32	27
wasnington	00,200	/0,563	76,341	84,436	92,181	97,553	5.8	14,004	15,566	16,431	17,790	18,777	19,442	10	۱ '
Alaska	9,820	9,561	10,101	11,263	11,933	12,509	4.8	18,040	17,726	18,635	20,585	21,646	21,932	3	6 7
Hawaii	15,607	16,798	18,375	20,424	22,668	24,177	6.7	14,837	15,727	17,014	18,659	20,361	21,306	17	7
		L			L		ـــــــا	لــــــــــــــــــــــــــــــــــــــ							L
]						Census E	Divisions							
New England	218,577	239,481	263,203	281,702	292,356	295.956	1.2	17,030	18,489	20,113	21,371	22,111	22,425		Π
Middle Atlantic	610,708	655,526	713,969	766,992	812,971	831,183	22	16,398	17,548	19,037	20,412	21,604	22,001		
East North Central	602,457	636,335	682,773	734,479	776,027	797,335	2.2 2.7	14,531	15,298	16,363	17.541	18,444	18,799		
West North Central	244,889	257,071	272,089	294,622	313,318	321,989	2.8	14,078	14,749	15,516	16,744	17,711	18,079	***********	
South Atlantic	577,300	626,836	684,695	742,870	793,481	819,526	3.3	14,126	15,059	16,177	17,273	18,126	18,449		
East South Central	171,211	183,192	198,121	212,168	226,578	236,797	4.5	11,404	12,154	13,113	14,017	14,909	15,429	************	
West South Central	342,284 171,641	349,405 181,984	371,868 194,351	397,173 210,070	428,242 225,381	449,851 237,295	5.0 5.3	12,889 13,251	13,174 13,843	14,049 14,607	14,956 15,563	16,000 16,428	16,571 16,907		
MV4(MR)	111,041	101,204			220,001					18,098	19,223	20,200		.,,,,,,,,,	
Pacific	580,297	624,747	678,164	738,089	795,703	822,150	3.3	16,192	17,059				20,541	******	I

^{&#}x27; Revised.

P Preliminary.

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

schedules.

2. Percent change was calculated from unrounded data.

3. Per capita personal income was computed using midyear population estimates of the Bureau of the Census. The 1986-89 population estimates have been adjusted to reflect both the 1980 and 1990 Census of Population counts for April 1; the 1990 midyear (July 1) estimates reflect the 1990 Census of Population count plus 3 months of estimated population change.

Table 4.—Total and Per Capita Disposable Personal Income for States and Regions, 1986-91

### PAPER FILTER 1969 196	Table 4.—Total a		-upita t		Total		, and 11		1000-	Per capit	a ²					
United States	Area nama			Marian				Percent			Doll				Rank i	n U.S.
Umer States 3.007.442 3,184.218 3,466.978 37.0753 3.086.006 4,115.128 3.0 12.520 13.100 14.108 15.075 15.089 15.108 1 10.000 11.	Area name	1096	1097			10007	1001 p	<u> </u>	1986	1987	1988 '	1989 '	1990 '	1991 <i>p</i>	1986	1991
Section State St	United States								12.523	13.140	14.186	15.075	15.898	16.318		
Commental	New England	183,152	201,320	224,119	239,849	248,577	252,493	1.6	14,270	15,542	17,126	18,195	18,800	19,132		
Managements	Connecticut		57,116	63,383		70,561	72,295	2.5	15,941	17,586	19,369		21,447		1 35	1 28
Phode Indexed 12.271 13.003 14.398 15.209 13.407 13.005 14.408 3.12.007 13.005 14.408 13.209 13.209 13.408 13.005 14.408 13.209 13.209 13.005 14.408 13.209 1	Massachusetts	85,641	93,448	104,360	111,476	114,686	116,234	1.3	14,507	15,743	17,449	18,531	19,051	19,385	4	3
	Rhode Island	12,371	13,093	14,398	15,269	15,947	16,093	.9	12,657	13,229	14,448	15,259	15,870	16,024	16	18
Delivering	Vermont	6,012	6,647	7,404	8,065	8,412	8,568	1.8	11,256	12,302	13,465	14,461	14,896	15,121	31	27
District of Columbia	Mideast	594,391		697,627	747,085							17,141			15	13
New Journal 120,652 131,641 45,956 156,062 160,060 1	District of Columbia	9,304	9,926	10,882	11,346	11,639	12,105	4.0	14,575	15,582	17,258	18,177	19,351	20,231		
Perceyloris				76,328				2.9							7	7 2
Test Labor	New York	246,376	260,446	287,369	306,559	327,241	336,440		13,814	14,573	16,015	17,047	18,178	18,631	8	1 6
Blacks	Pennsylvania	146,877	154,197	167,533	180,340	191,900	198,661	3.5	12,464	13,054	14,141	15,198	16,136	16,609	21	15
Index	Great Lakes															9
Ohio 127.567 13.866 14.5278 154.248 163.416 13.416 13.451 14.544 15.028 15.586 24 25.566 25.566	Indiana	62,210	65,956	70,777	75,931	80,205	82,872	3.3	11,405	12,049	12,886	13,746	14,441	14,773	30	32
				129,824				3.0			14,082	14,925	15,560 15,025			19
Separate	Wisconsin			63,863				4.2				14,191			23	23
Kansas 9.3.46 31.463 33.347 35.07 56.68 39.19 49.596 57.70 57.57 57.57 57.50 5	Plains					266,310										
Minnesoin				35,202										14,873		30 21
South Deloids	Minnesota	53.229	55,186	59,430	64,536	68,271	70,335	3.0	12,656	13,029	13,831	14,877	15,553	15,869	17	
South Deloids			64,230 19,278	68,684				3.1		12,700	13,514				22 25	25
Outheaset 626,500 686,400 72,707 72,807 72,807 72,807 72,807 72,807 72,807 72,807 72,807 72,807 72,807 73,807 74,807 7	North Dakota	7,503	7,535	7,193	7,954	8,541	8,984	5.2	11,205	11,395	10,974	12,306	13,416	14,157	34	
Alabama 33,365 41,715 45,501 48,359 51,814 54,834 54,834 53,816 10,988 11,306 11,989 12,206 13,300 44 44,845 47,446 48,829 47,846 49,806 215,742 42,752 42,173 42,845 42,84		1	7,847	8,135	9,097	9,960		4./	10,882	11,2/3	11,650	13,057	14,308	14,831	36	31
Akarassa 22,748 23,750 25,594 27,251 29,110 30,640 53,755 57,755 41,103 10,924 11,614 12,770 12,917 47 47 49 49,650 47,720 48,110 47,740 49,950 48,110 48,1	Southeast														44	41
Georgia (69,483) 74,728 (22,159) 87,521 (39,355) 97,312 42 [11,148] 12,035 13,066 13,857 12,854 14,894 (29 3 5,861) 12,891 12,89	Arkansas	22,748	23,750	25,594	27,251	29,110	30,640	5.3	9,754	10,138	10,924	11,614	12,370	12,917	47	47
Louisina								4.3					15,859		19	17 33
Mississpin	Kentucky		38,672	41,527	44,440	47,521	49,529	4.2	9,805	10,498	11,283	12,085	12,879	13,338	46	43
North Carolina 67,422 72,508 80,118 86,737 92,645 96,303 3.9 10,664 11,321 12,381 13,925 14,295 38 32,914 33,844 38,846 40,894 40,984 40	Mississippi	22,156	23,277			28,454	29,882		8,541			10,430	11,054	11,528	50	1 50
Tennessee	North Carolina		72,508							11,321			13,925		38	36
West Virginia 17,631 18,167 19,473 20,101 21,383 22,287 4,3 9,365 9,779 10,638 11,127 11,946 12,381 49 4 Arizona 28,376 291,067 311,871 333,486 358,146 378,019 5,5 11,525 11,702 12,193 12,283 13,289 13,289 14,600 Arizona 38,720 44,1915 45,374 48,198 50,900 53,855 4.8 11,702 12,193 12,831 32,281 33,281 35,418 37,421 18,665 10,000 6,5 10,000 10,375 10,952 11,718 12,2398 12,291 40 41,409 41,820 41,409 41,820 41,409 41,820 41,409 41,820 41,409 41,420	Tennessee	50,763	54,851	59,828		67,722	70,962	4.8	10,711	11,467	12,404	13,104		14,328	37	35
outhwest 283,376 291,067 311,871 33,486 378,018 5.5 11,525 11,700 12,543 13,295 14,099 14,640 Arizona 38,720 41,915 45,374 48,136 50,900 5.5 11,525 11,702 12,543 13,285 14,690 14,640 Arizona 13,226 17,622 12,625 17,622 18,839 20,000 6.5 10,000 10,375 10,952 11,175 12,938 14,292 12,951 42,22 27 3 Oklahoma 33,281 33,243 35,418 37,221 39,568 41,117 39 10,231 10,354 11,182 11,987 12,579 12,951 42 20,402 24,477 29,040 88,939 263,475 5,9 11,8173 12,065 11,8173 12,065 12,833 13,399 14,280 12,833 13,399 14,280 14,282 20,000 14,900 14,800 11,800 11,800 11,800 11,800 11,800 11,80	Virginia															
Arizona 93,720 41,915 45,374 48,136 50,900 53,365 4.8 11,702 12,193 12,833 13,289 13,826 14,232 27 5 New Mexico 14,777 15,341 15,325 17,225 18,839 20,066 6.5 10,060 10,0375 10,952 11,718 12,398 12,951 42 40 40 40 40 40 40 40 40 40 40 40 40 40	·		· ·	· ·											1	"
New Mexico															27	37
Texas	New Mexico		15,341	16,325	17,622					10,375			12,398		42	45
Colorado																
Colorado	Rocky Mountain	82,306	85,201	90,976	97.218	104,168	110,487	6.1	11.430	11.823	12.629	13,439	14,280	14,822		l
Montaina	Colorado		43,892			52,935	56,188			13,460	14,369		16,030			14
Wyoming 5,557 5,430 5,663 5,796 6,273 6,743 7.5 11,211 11,382 12,173 12,646 13,871 14,675 33 3 ar West 488,180 520,646 568,606 612,447 661,893 697,858 3.9 13,860 14,447 15,399 16,163 16,993 17,369 6 California 307,009 413,088 450,901 483,520 520,737 537,867 3.3 14,278 14,870 15,399 16,163 16,993 17,369 6 Oregon 30,193 31,807 35,249 38,240 41,615 43,821 5.3 11,250 11,774 12,857 13,703 14,546 14,997 32 2 Washington 58,419 61,866 66,876 73,046 79,784 85,137 6,7 13,118 13,649 14,411 15,390 16,252 16,997 11 Lew England 183,152 201,320 224,119	Montana	8,482	8,711	9,155	10,102	10,645	11,383	6.9	10,423	10,819	11,439	12,633	13,318	14,079	39	39
ar West	Wyoming	15,925 5.557	16,757 5,430							9,984 11,382						48
California 387,009 413,088 450,901 483,520 520,737 537,867 3.3 1 14,278 14,870 15,839 16,549 17,364 17,705 6 Nevada 12,558 13,886 15,580 17,640 19,757 21,032 6.5 12,805 13,567 14,911 15,090 16,142 16,382 14 10,000 10,00	•					l		1							"	
Oregon 30,193 31,807 35,249 36,240 41,615 43,821 5,3 11,250 11,774 12,857 13,703 14,546 14,997 32 2 Washington 58,419 61,866 66,876 73,046 79,784 85,137 6.7 13,118 13,649 14,411 15,390 16,252 16,967 11 1 Jaska 8,499 8,313 8,986 9,827 10,437 11,019 5.6 15,613 15,412 16,578 17,961 18,932 19,320 3 Jawaii 183,152 201,320 224,119 239,849 248,577 252,493 1.6 14,270 15,542 17,126 18,195 18,800 19,132 Jew England 183,152 201,320 224,119 239,849 248,577 252,493 1.6 14,270 15,542 17,126 18,195 18,000 19,132 Jew England 183,152 201,320 224,119 239,849 248,577	California	387,009	413,088	450,901	483,520	520,737	537,867	3.3	14,278	14,870	15,839	16,549	17,384	17,705		10
Washington							21,032 43,821									
See See	Washington												16,252			
Census Divisions Census Divisions Census Divisions Census	Alaska	8,499								15,412		17,961	18,932		3	4
lew England	Hawaii	13,527	14,348	15,587	16,986	19,046	20,608	8.2	12,860	13,433	14,433	15,518	17,107	18,161	13	8
fiddle Atlantic 513,874 546,284 600,897 643,322 684,126 704,930 3.0 13,798 14,624 16,022 17,121 18,180 18,659 1821 North Central 516,948 541,367 53,345 682,034 682,033 683,798 3.3 12,489 13,015 14,038 14,958 15,734 16,122 18,100								Census I	Divisions							•
fiddle Atlantic 513,874 546,284 600,897 643,322 684,126 704,930 3.0 13,798 14,624 16,022 17,121 18,180 18,659 1821 North Central 516,948 541,367 53,345 682,034 682,033 683,798 3.3 12,489 13,015 14,038 14,958 15,734 16,122 18,100	New England	183 153	201 320	224 110	230 840	249 577	252 402	1.6	14 270	15.542	17 196	19 105	18 900	10 132	1	[
Vest North Central 210,715 216,700 233,318 250,811 226,310 274,565 3.1 12,114 12,547 13,305 14,254 15,054 15,416 15,000 15,735 15,735 12,114 12,729 13,778 14,650 15,735 15,735 15,735 15,735 12,114 12,127 12,729 13,778 14,650 15,735 15,735 15,735 15,735 12,114 12,729 13,778 14,650 15,735 15,735 15,735 12,114 12,729 13,778 14,650 15,735 15,735 12,114 12,729 13,778 14,650 15,735 15,735 12,114 12,729 13,778 14,650 15,735 12,114 12,272 13,778 14,650 15,735 15,735 12,114 12,272 13,778 14,650 13,358 14,144 12,127 12,282 12,177 12,665 13,358 12,144 12,144 12,147 12,605 13,358 13,144 11,404 12,107 12,605	Middle Atlantic	513,874	546,284	600,897	643,322	684,126	704,930	3.0	13,798	14,624	16,022	17,121	18,180	18,659		
iouth Atlantic 490,929 529,855 583,166 630,057 672,955 698,950 3.9 12,012 12,729 13,778 14,650 15,373 15,735 cast South Central 148,448 158,515 172,302 183,262 195,511 205,007 4.9 9,888 10,517 11,404 12,107 12,685 13,358 Vest South Central 297,629 302,412 323,506 344,883 371,270 391,987 5.6 11,208 11,402 12,222 12,987 13,871 14,439 Mountain 148,301 156,343 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602	East North Central		541,367 218 700	585,758 233 318						13,015 12,547						
ast south Central 184.448 155.15 172.302 183.262 195.511 205.007 4.9 9.888 10,517 11,404 12,107 12,665 13,356 Vest South Central 297.629 302.412 323.506 344.883 371.270 391.987 5.6 11,208 11,402 12.222 12,987 13,871 14,439 Vest South Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 497,647 529,421 577,599 621,621 671,619 698,453 4.0 13,886 14,456 15,414 16,189 17,050 17,451 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 149,7647 529,421 577,599 621,621 671,619 698,453 4.0 13,886 14,456 15,414 16,189 17,050 17,451 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 15,414 16,189 17,050 17,451 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 15,414 16,189 17,050 17,451 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 148,301 156,343 168,255 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 Vest Central 148,301 168,343 180,343 18	South Atlantic	490,929	529.855	583,166	630,057	672,955	698,950	39	12,012	12,729	13,778	14,650	15,373	15,735	1	
Adountain 148,301 156,343 156,343 156,343 180,616 193,664 204,944 5.8 11,449 11,892 12,646 13,381 14,116 14,602 acrific 497,647 529,421 577,599 621,621 671,619 698,453 4.0 13,886 14,456 15,414 16,189 17,050 17,451			158,515 302,412	172,302 323,506				4.9 5.6		10,517	11,404					
racinic	Mountain	148,301	156,343	168,255	180,616	193,664	204,944		11,449	11,892	12,646	13,381	14,116	14,602		
	Facilit	497,647	529,421	5//,599	621,621	6/1,619	698,453	4.0	13,886	14,456	15,414	16,189	17,050	1/,451		

the Census. The 1986-89 population estimates have been adjusted to reflect both the 1980 and 1990 Census of Population counts for April; the 1990 midyear (July 1) estimates reflect the 1990 Census of Population count plus 3 months of estimated population change.

r Revised.

P Preliminary.

1. Percent change was calculated from unrounded data.

2. Per capita disposable personal income was computed using midyear population estimates of the Bureau of

Table 5.—Percent Change in Selected Shares of Personal Income, 1990–91 ¹

							· · · · · · · · · · · · · · · · · · ·	Earnings ²	1930					
Area name	Total personal	Tabal	N16		Construc-	Manufac-	Transporta-	Wholesale	Finance, insurance,	Candana	Other		Government	
	income	Total	Nonfarm	Mining	tion	turing	tion, public utilities	and retail trade	and real estate	Services	Other	Federal, civilian	Military	State and local
United States	3.2	2.7	3.0	3.4	-6.6	.9	2.1	1.2	5.7	6.0	-1.1	3.5	2.1	6.1
New England	1.2 1.9	1 1.2	0 1.2 7	-1.5 -2.9	-17.5 -13.3	7 .4	.8 1.8	-2.8 -1.3	3.4 6.4	4.0 3.9		1.2 0	-1.5 -2.3 2.9	1.5 3.6
Maine	1.0 1.1 3	-1.1 2 -1.1	/ 2 -1.1	1.3 -2.0 4	-25.7 -17.1 -19.3	2.5 8 2.7	.3 .9 2	-2.3 -3.5 -3.3	7.2 1.1 5.8	4.6 3.8 4.8	-7.0	2 2.8 -5.5 4.2	1.6 -38.9	6.3 2 4.1
Rhode IslandVermont	.3 .1 1.7	-2.3 .7	-2.3 1.2	4 7 4.2	-24.1 -15.4	-2.4 1.8	-4.9 .8	-3.3 -5.6 -2	-1.4 -1.0	4.8 5.5	-2.6	4.2 -2.4	2.6 5.0	-5.9 6.3
Mideast Delaware	2.3 2.9	1.5 3.4	1.6 3.8	-3.1 8.6	-10.0 -4.8	1 4.3	1.1 .8	-1.0 .9	3.8 7.5	4.4 5.4	-5.6 -1.6	4.0 1.2	3.7 7.3	3.7 8.1
District of Columbia Maryland	3.0 2.2 2.3	3.4 1.7 1.7	3.4 1.8 1.7	18.3 .5 –1.3	-16.9 -13.1 -12.0	-6.8 -1.6	1.4 3.9 3.7	-5.0 0 - 9	1.0 3.8 2.4	3.9 4.9 5.1	-24.8 -4.4 -6.3	1.2 7.5 5.5 1.1	6.9 3.8 -1.8	1.6 6.0 6.6
New Jersey New York Pennsylvania	1.8 3.0	.6 2.4	.7 2.6	-4.9 -3.3	-12.0 -9.4 -7.8	3 5 .5	2 1	-2.3 -2.3	3.7 5.9	2.9 6.5	-3.3	.1 2.4	5.3 2.5	1.1 6.7
Great Lakes	2.7 2.8	2.2 2.7 2.5	2.9 3.3	1.7 1.0	-3.4 -4.0	0	.8 1.3	2.2 1.8	7.6 8.0	5. 9 5.8	1.1 5.2	1.8 1.3	1.5 -1.2	6.4 8.2
Indiana	2.8 2.2 2.7	1.2	3.8 1.4	6.8 3.6	5.0 6.9	1.2 -1.4	1.4 .5	2.8 1.4	7.5 5.2	7.6 4.6	0 3	1.3 .8	3.9 3.5	5.9 5.3
Ohio	3.6	1.8 3.6	2.3 4.8	-3.6 3.5	–7.5 2.8	2 2.3	9 3.2	2.7 3.4	7.6 9.9	5.5 8.2	.7	3.1 2.4	3.2 2.9	5.7 6.3
Plains	2.8 1.7 2.8	2.4 .9 2.6	4.1 4.7 4.5	3.1 5.4 4.0	-1.8 2.6 1.3	1.9 .8 3.6	2.1 .7 1.6	2.9 3.6 2.8	8.6 11.7 7.7	6.6 8.0 6.9	1.3 3.2 1.0	5.0 6.6 6.9	3.1 4.0 .5	5.8 6.2 5.7
Kansas	3.0 2.7	2.9 2.1 2.7	4.3 2.5	2.5 .7	−3.6 −5.5	3.8 9	3.6 1.4	3.1	10.9 4.8	5.7 5.9	-1.2 1.9	4.2 5.0	3.9 1.3	6.2 5.7 4.9 5.9 6.9 4.6
Nebraska North Dakota South Dakota	2.9 4.4 4.2	2.7 4.4 4.5	5.4 5.3 7.3	10.3 2.4 2.9	3.6 2.7 2.4	3.7 8.4 8.2	1.9 3.1 5.7	3.4 3.5 5.5	8.0 11.7 12.8	8.4 7.5 9.2	1.2 1.6 .8	3.6 1.2 4.3	5.6 6.5 7.2	6.9 4.6 8.4
Southeast	3.9 4.9	3.5 4.6	3.6 4.8	.3	- 7.9 1.0	2.2 2.5 4.3	1	1.8	6.1 6.0	7.1 7.5	.2 1.9	4.2 3.6	2.3 1.2	6.9 10.5
ArkansasFlorida	4.9 3.7	4.9 3.3	5.3 3.2	.5 1.9 2.5	-6.0 -12.0	.6	2.5 2.7 2.4 2.4	2.7 5.4 .5	9.1 5.1	7.5 8.7 7.1	-4.0 3.3	5.4 3.9	3.4 2.1	8.8 6.9
Georgia Kentucky Louisiana	3.7 4.3 5.2	3.2 4.0 5.3	3.1 4.3 5.8	-8.5 -5.1 6.0	-13.5 -1.1 7.4	2.3 .9 5.9	2.4 4.6 2.4	1.4 3.4 4.0	7.3 7.5 6.7	6.8 8.4 6.6	1.9 1 5	5.1 7.2 1.6	5.1 9 5.9	6.0 10.2 8.0
Mississippi North Carolina	5.2 4.7 3.6	4.4 3.1	4.4	-1.0 2.7	-4.4 -7.9	4.4 2.1	2.4 2.2 2.0	2.6 1.7	7.9 6.9	8.8 6.7	9 8	3.4 4.3 1.0	2.1 .5 1.8	8.0 4.5 7.5 7.3 4.6
South Carolina Tennessee Virginia	3.6 4.3 2.6	2.7 4.0 2.3	3.2 2.5 4.2 2.5	9 -5.3 3	-11.5 -3.2 -12.9	2.5 3.0 1.0	4 3.2 3.1	.8 2.5 1.2	7.1 8.4 3.2	6.4 8.1 6.4	-1.2	2.6 5.4	1.4 2.7	4.8
West Virginia	3.8 5.0	2.8 5.0	2.9 5.4	−.6 8.1	.3 2.8	-2.4 4.3	1.6 3.9	3.5 4.2	6.5 7.0	7.7 7.5	1.3	3 2.9	5.7 -1.2	5.7 6.4
Arizona New Mexico	4.4 6.1	3.9 6.2	3.9 6.2	11.5 7.7	-3.6 4	.8 1.8	1.8 .1	3.0 5.3	4.0 7.3	7.0 9.4	4.7 11.1	6.0 6.3	8 9.2	5.9 7.4
Oklahoma Texas	3.4 5.3	2.7 5.5	4.1 5.9	1.5 9.3	4.8 5.2	4.3 5.0	3.8 4.6	4.2 4.4	9.5 7.2	5.3 7.8	3.7 3.6	.4 2.4	.6 -3.3	6.5 6.4
Rocky Mountain	5.5 5.4	6.1 6.2	6.6 6.5	3.9 2.9	9.8 7.6	1.1 -1.0	3.7 4.0	5.7 5.5	9.9 8.6	10.3 11.4	.6	4.5 7.2 6.7	5.9 6.0	7.7 6.7 11.6
Idaho	3.8 6.0 6.3	3.3 7.5 6.9	7.1 6.1 7.4	8.3 9.2 2.1	5.5 11.0 18.4	3.9 6 3.9	3.4 4.4 4.0	6.6 6.3 5.6	11.3 11.7 13.6	9.7 7.6 9.9	3.1	8 1.4	.6 6.7 8.2	7.4 8.4
Wyoming	6.8 3.3	7.4 2.8	5.6 2.9	6.9 2.6	9.9 9.8	6.9	.1 2.9	5.0	6.2 5.3	4.8 6.2	1	5.3 2.8	5.8 2.2	6.6 8.8
California Nevada	2.7 5.6	2.0 5.5	2.2 5.5	2.8 1	-12.8 -11.1	.2 2.7	2.6 4.5	8 4.9	4.9 8.3	5.3 7.6	-4.9 -1.2	2.1 11.8	1.8 7.4	8.1 13.7
Oregon	4.6 5.8	4.4 6.4	5.0 6.4	6.4 7.4	2.2 4.5	2.1 6	4.9 2.5	4.9 4.3	10.7 6.2	5.5 13.2	5.9	2.9 5.1	3.7 3.4	8.8 12.4
Alaska	4.8 6.7	4.6 6.7	4.6 6.9	9.4 34.2	-4.7 8.9	6.3 5.7	5.6 5.7	2.3 3.5	9.1 8.8	5.2 8.5	1 15.5	5.9 3.3	3.3 3.4	6.5 10.8
					<u> </u>	L,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Census	Divisions					·	<u> </u>
New England	1.2	-,1 13	0 1.4	-1.5 -3.5	-17.5 -9.5	7 1	.8 .8	-2.8 -1.1	3.4 3.8	4.0 4.3	-5.2 -3.9	1.2	-1.5 2.6	1.5 3.5
East North Central West North Central	2.7	2.2	2.9 4.1	-1.7 3.1	-3.4 -1.8	1.9	.8 2.1 2.4	2.2 2.9	76	50	1.1	1.8	1.5	6.4 5.8
South Atlantic	1.2 2.2 2.7 2.8 3.3 4.5 5.0 5.3 3.3	1.3 2.2 2.4 2.9 4.2 5.2 5.5 2.8	2.9 4.4 5.6	4 -3.6 7.5 4.8	-11.5 -1.7 3.9 2.1	1.3 2.6 5.0	3.3 4.0	2.8 4.4	7.5	6.3 8.1 7.5	11	5.0 5.4 3.9 2.2 5.5 2.8	2.8 .7 –1.0	1.5 3.5 6.4 5.8 6.3 7.6 6.8 7.7
Mountain	5.3 3.3	5.5 2.8	5.8 3.0	4.8 4.9	2.1 -8.9	1.1 .3	3.0	4.9 .3	7.8 5.4	7.5 8.9 6.2	4.0 -2.3	5.5 2.8	5.1 2.3	7.7 8.7

Percent change was calculated from unrounded data.
 Consists of wage and salary disbursements, other labor income, and proprietors' income.

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County and Metropolitan Area Personal Income, 1988-90

THIS REPORT PRESENTS summary estimates of total and per capita personal income for 1988–90 for metropolitan areas and counties. The 1990 estimates are presented for the first time; the 1988 and 1989 estimates are revised from those presented in the April 1991 SURVEY OF CURRENT BUSINESS. None of these estimates reflect the comprehensive revision of the national income and product accounts (NIPA'S) that BEA released in December 1991. Revised estimates that incorporate the comprehensive NIPA revision will be released for the State level later in 1992 and for the local area level in 1993. The estimates of per capita personal income have been updated to reflect the 1990 Census of Population (see the section on definitions for further information).

Table 1 contains estimates for the county-based metropolitan areas that are defined for statistical purposes by the U.S. Office of Management and Budget. These areas consist of metropolitan statistical areas; primary metropolitan statistical areas (PMSA'S); consolidated metropolitan statistical areas, which consist of two or more PMSA'S; and the New England county metropolitan areas. Table 2 contains estimates for 3,106 counties and county equivalents. For Virginia, table 2 presents estimates for the larger independent cities and combined estimates for the smaller independent cities and their adjacent counties.

BEA's publication *Local Area Personal Income* will no longer be published annually; instead, it will be published only in conjunction with the release of a comprehensive revision of the metropolitan area and county estimates, next scheduled for 1993. The estimates in *Local Area Personal Income*—of personal income by major type and of labor and proprietors' earnings by industry—are now available in more detail on CD-ROM (see the section on "Data availability").

Definition of total and per capita personal income

The personal income of an area is defined as the income received by, or for, 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; persons are defined as individuals, nonprofit institutions serving individuals, private noninsured welfare funds, and private trust funds. 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.

The definitions underlying the local area estimates of personal income are essentially the same as those underlying the personal income estimates in the NIPA's before the 1991 comprehensive revision. Both the local area estimates and the national estimates include the income of persons residing in the 50 States and the District of Columbia. However, the national estimates also include the income of U.S. residents temporarily working abroad; specifically, the national personal income estimates include the income of Federal civilian employees 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 allocated to the States and local areas.

Per capita personal income is computed by dividing the total personal income of an area by the population estimate for that area. Except for the college student population, which is measured on April 1, the population for all years is measured as of July 1. The estimates of per capita income for 1990 are calculated with midyear population estimates prepared by BEA as the sum of the April 1, 1990, population count from the 1990 Census of Population and approximations of the change in population

Acknowledgments

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

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

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

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BEA uses a county-based definition of metropolitan areas for the New England region rather than a definition in terms of cities and towns because insufficient data are available to prepare estimates of personal income for these cities and towns.

For additional information about the metropolitan area definitions 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: 1992 (Washington, DC: U.S. Government Printing Office, 1992), Appendix 11.

^{2.} Because of the creation of new geographic entities—particularly of new boroughs from existing census areas in Alaska—the number of counties and county equivalents shown for any given year can vary.

from April 1 to July 1. The per capita measures for 1988 and 1989 are calculated with revised Census Bureau midyear population estimates for each year that reflect both the 1980 and 1990 population censuses. The per capita measures for 1981-87 have also been recalculated.

Factors affecting the per capita estimates

The local area estimates of per capita personal income should be used cautiously 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 several years because it attracts highly paid workers whose income is measured at the construction site. This high per capita income is not indicative of the economic wellbeing of most of the residents of the area (or, in many cases, of the resident construction workers themselves, who may 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, tends 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 changes rapidly. Population is measured at midyear, and income is measured as a flow over the year; therefore, a significant change in the population of an area during the year, particularly if it occurs around midyear, can distort the per capita estimates.

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 State 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. These annual State estimates are subsequently revised to incorporate newly available information used to prepare the current local area estimates. These revised State estimates, together with the current local area estimates, are published in the following April Survey. The annual estimates emerging from this three-step process are further revised 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 revised only to incorporate a comprehensive revision of the NIPA's, which takes place approximately every 5 years, or to make important improvements to the estimates by incorporating additional or more current State and local area data; for example, the local area estimates of per capita personal income have been revised this year to incorporate population counts from the 1990 Census of Population.

Data availability

Personal income by type of payment and earnings by Standard Industrial Classification (sic) division, as shown in table A, are available for metropolitan areas and counties for 1969-90. A version of this table that presents earnings by sic two-digit industry

Table A.—Example of Available Data for Local Areas: Personal Major Source and Earnings by Major Industry, Income by 1985-90 1

Thousands of dollars?

		New	London Cou	inty, Connec	ticut	
	1985	1986	1987	1988	1989	1990
Income by Place of Residence						
Total personal income	3,884,327 3,854,425 29,902	4,038,570 4,000,385 38,185	4,394,249 4,354,986 39,263	4,691,484 4,649,457 42,027	5,015,491 4,971,275 44,216	5,168,391 5,119,367 49,024
Population (thousands) 3 Per capita personal income (dollars)	2,501 15,532	2,491 16,210	2,510 17,510	2,543 18,451	2,549 19,679	2,551 20,259
Derivation of total personal income: Total earnings by place of work Less: Personal cont. for social insur. 4 Plus: Adjustment for residence 5 Equals: Net earn. by place of residence Plus: Dividends, interest, and rent 6 Plus: Transfer payments	3,046,348 184,217 75,655 2,786,476 615,435 482,416	3,044,324 184,031 9,992 2,870,285 653,755 514,530	3,332,359 203,777 21,804 3,150,386 697,196 546,667	3,535,282 222,531 63,409 3,376,160 737,932 577,392	3,735,022 241,638 48,463 3,541,847 838,991 634,653	3,786,714 244,709 48,747 3,590,752 867,299 710,340
Earnings by Place of Work						
Earnings by type: Wages and salaries Other labor income Proprietors' income 7 Farm Nonfarm	2,598,705 264,314 183,329 20,813 162,516	2,582,388 258,388 203,548 29,059 174,489	2,807,064 275,511 249,784 29,523 220,261	2,966,875 288,537 279,870 32,025 247,845	3,131,908 312,713 290,401 33,586 256,815	3,162,614 319,864 304,236 37,772 266,464
Earnings by industry: Farm Nonfarm Private Ag. serv., for., fish., and other * Mining Construction Manufacturing Nondurable goods Durable goods Transportation and public utilities Wholesale trade Retail trade Finance, insurance, and real estate Services Government and government enterprises Federal, civilian Military State and local	29,902 3,016,446 2,357,958 7,250 9,191 303,952 1,068,113 237,860 830,253 151,110 74,281 257,778 51,216 435,067 658,488 119,037 284,586 254,885 254,885	38,185 3,006,139 2,323,852 8,247 3,512 171,244 1,079,060 251,683 827,377 150,454 75,538 281,868 61,118 492,811 682,287 119,773 288,024 274,490	39,263 3,293,096 2,549,919 11,736 4,158 189,801 1,101,559 264,367 837,192 167,888 88,724 311,010 102,003 573,040 743,177 132,847 297,118 313,212	42,027 3,493,255 2,699,629 14,978 5,995 236,529 1,055,987 270,156 785,831 174,485 97,721 345,368 96,139 672,437 793,626 140,862 301,230 351,534	44,216 3,690,806 2,843,201 14,141 6,437 246,883 1,105,278 288,602 816,676 189,875 105,605 352,542 90,361 732,079 847,605 144,323 308,942 394,340	49,024 3,737,690 2,843,639 14,706 7,344 186,516 1,124,264 306,404 817,860 190,095 98,432 336,742 94,803 790,737 894,051 157,696 317,643 418,712

Thickness the inventory valuation and capital consumption adjustments.
 "Other" consists of wages and salaries of U.S. residents employed by international organizations and foreign mbassies and consulates in the U.S.
 Not shown to avoid disclosure of confidential information.
 Less than \$50,000. Estimates are included in totals.

 ^{1. 1985-87} based on 1972 SIC. 1988-90 based on 1987 SIC.
 2. Farm income consists of proprietors' net farm income, the wages of hired labor, the pay-in-kind of hired farm labor, and the salaries of officers of corporate farms.
 3. Census Bureau midyear population estimates. 1981-89 are revised as of January 1992 to reflect 1980 and 1990 Census population counts. Midyear 1990 population estimates were prepared by BEA by adjusting the April 1990 population counts based on the Census Bureau July 1990 State estimates and the 1988-89 trend in the revised Census Bureau county estimates. ed Census Bureau county estimates.

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

personal income.

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

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

is also available. In addition, there are supplemental tables for employment by sic division (the "one-digit" level), for transfer payments by program, and for major categories of farm income and expenses.

These tables are available on magnetic tapes, computer printouts, microcomputer diskettes, and a CD-ROM. Each table for all years of data for all the metropolitan areas or for all the counties is available on a single reel of magnetic tape, but the more detailed (SIC two-digit industry) table requires two reels at standard blocksize; the price of each reel of magnetic tape is \$100. The tables on computer printouts are priced by the page, and those on diskette, by diskette; the cost of an order depends on the number of table series, of areas, and of years of data ordered.

The entire set of these tables for all counties and metropolitan areas and for all years is available on a CD-ROM. This CD-ROM

also contains quarterly State estimates of personal income for 1969–91, gross state product for 1977–89, projections of State and metropolitan area personal income and employment to 2040, and a description of the sources and methods used to estimate local area personal income. The CD-ROM is designed for use with microcomputers equipped with the MS-DOS operating system; it is packaged with a floppy diskette that contains a program to help users select, display, print, and copy the tables. The price of the package is \$35.00.

For further information or to place an order, call (202) 254–6630 or write to the Regional Economic Information System, BE-55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Tables 1 and 2 follow.

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1988–90

		Total persor	nal income		Per c	apita pe	sonal inc	come ³		т	otal person	al income		Per c	apita per	sonal inc	come ³
Area name	Mill	ions of doll	ars	Percent change 2		Dollars		Rank in U.S.	Area name	Millio	ons of dolla	ars	Percent change 2		Dollars		Rank in U.S.
	1988	1989	1990	1989 <u>9</u> 0	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
United States I	4,059,232 3,352,587	4,378,166 3.616.403	4,664,057 3,853,356	6.5 6.6	16,600 17,713	17,738 18,895	18,696 19,885		Columbia, MO	1,652	1,796	1,935		14,902	16,091	17,175	152
Nonmetropolitan portion	706,645	761,763		6.4	12,787	13,745			Columbia, SC	6,774 3,156	7,389 3,344	7,960 3,575	6.9	15,261 12,858	16,438 13,701	14,722	140 279
Consolidated Metropolitan Statistical Areas ⁴									Columbus, OH	21,939 4,476 1,280	23,747 4,723 1,357	25,328 5,188 1,451	6.7 9.9 6.9	16,303 12,778 12,525	17,408 13,527 13,329	18,319 14,813 14,275	107 274 288
Buffalo, NY	18,824 154,821	20,088 167,142	21,386 177,562	6.5 6.2	15,708 19,310	16,823 20,782	21,982		Dallas, TX* Danville, VA	45,917 1,469	49,196 1,564	52,741 1,612		18,631 13,015	19,611 14,141	20,522 14,896	46 269
Cincinnati, OH Cleveland, OH Dallas, TX	28,524 47,904 67,252	30,528 51,307 72,027	32,577 54,216 77,518	6.7 5.7 7.6	16,575 17,334 17,943	17,605 18,576 18,873	19,640		Davenport-Rock Island-Moline, IA-IL Dayton-Springfield, OH Daytona Beach, FL	5,514 15,221 5,036	5,956 16,219 5,494	6,358 17,114 5,861	6.7 5.5 6.7	15,521 16,118 14,494	16,896 17,099 15,266	17,965	114 123 236
Denver, CO Detroit, MI	33,913 86,210	36,303 92,292 64,490	38,806 96,214	6.9 4.2	18,493 18,552	19,738 19,836	20,595		Decatur, AL	1,734 1,873	1,856 2,006	2,022 2,107	8.9 5.0	13,319 15,641	14,185 16,963		249 121
Houston, TX Los Angeles, CA Miami, FL	59,132 261,131 54,378	283,232 59,245	70,878 302,747 62,982	9.9 6.9 6.3	16,210 18,827 17,668	17,551 19,871 18,893	19,028 20,691 19,606		Denver, CO*	29,742 6,702	31,769 7,245	33,962 7,758	6.9 7.1	18,446 17,461	19,660 18,642	20,885 19,662	43 61
Milwaukee, WI New York, NY	27,804 402,137	29,875 431,586	31,695 456,336	6.1 5.7	17,534 22,432	18,717 24,040	19,665		Detroit, MI Dothan, AL Dubuque, IA	80,515 1,727 1,217	86,112 1,864 1,326	89,748 1,963 1,411	4.2 5.3 6.4	18,430 13,275 14,074	19,696 14,284 15,360	14,960	48 265 196
Philadelphia, PA Pittsburgh, PA	111,266 36,946 23,214	119,779 39,394 25,877	127,045 42,168 28,213	6.1 7.0 9.0	19,020 16,257 16,434	20,375 17,467 17,908	18,827		Duluth, MN-WI Eau Claire, WI	3,158 1,845	3,455 2,025	3,673 2,141	6.3 5.7	13,017 13,592	14,344 14,825	15,320 15,521	250 242
Portland, OR San Francisco, CA Seattle, WA	135,879 44,856	145,543 49,782	157,260 54,514	8.1 9.5	22,396 18,561	23,565 20,027	25,037		El Paso, TXElkhart-Goshen, IN	5,874 2,374	6,451 2,548	6,871 2,632	1	10,256 15,659	11,085 16,514	16,770	313 167
Metropolitan Statistical Areas 5									Elmira, NY Enid, OK Erie, PA	1,321 865 3,913	1,432 899 4,210	1,513 941 4,499	4.7	13,917 14,641 14,134	15,051 15,580 15,246		219 175 194
Abilene, TX	1,725 10,428	1,818 11,194	1,918 11,870	5.5 6.0 7.2	14,353 15,948	15,202 17,061	18,029	211 120	Eugene-Springfield, OR Evansville, IN-KY	3,787 4,333 2,096	4,185 4,617	4,470 4,905 2,430	6.8 6.2	13,850 15,613 13,816	15,055 16,585 14,685	15,701 17,562	234 136 224
Albany-Schenectady-Troy, NY	1,444 14,787 7,478	1,541 15,972 7,960	1,652 16,985 8,451	6.3 6.2	12,715 17,022 15,917	13,631 18,306 16,731	19,404	281 69 137	Fargo-Moorhead, ND-MN Fayetteville, NC Fayetteville-Springdale, AR	3,161 1,427	2,242 3,346 1,553	2,430 3,556 1,678	6.3	11,667 12,862	12,255 13,828	12,923	309 278
Alexandria, LA	1,665 11,596	1,770 12,473	1,919 13,178 1,929	8.4 5.6	12,466 17,196	13,356 18,306 13,852	14,615 19,131	283 78 275	Flint, MI	6,588 1,625	6,945 1,710	7,247 1,837		15,254 12,211	16,126 12,957	16,829 14,001	162 296
Altoona, PAAmarillo, TXAnaheim-Santa Ana, CA*	1,682 2,869 51,327	1,812 3,032 55,462	3,187 59,191	6.5 5.1 6.7	12,823 15,362 22,233	16,239 23,424	16,961	158 17	Florence, SC	1,431 2,705	1,518 2,956	1,713 3,207	12.9 8.5	12,623 14,972	13,315 16,106		264 153
Anchorage, AKAnderson, IN	4,765 1,889	5,302 2,035	5,658 2,093 2,068	6.7 2.8	20,830 14,402	23,295 15,544	16,018	13 212	Pompano Beach, FL* Fort Myers-Cape Coral, FL	24,153 5,240	26,488 5,954	28,256 6,408	6.7 7.6	20,033 16,960	21,515 18,427	22,355 18,877	26 85
Ann Arbor, MI *	1,810 5,695 1,441	1,936 6,180 1,518	2,068 6,466 1,596	6.7 2.8 6.8 4.6 5.2	12,675 20,461 12,242	13,422 22,020 13,009	22,782	291 22 302	Fort Pierce, FL	4,009 2,208 1,968	4,478 2,314 2,125	4,924 2,456 2,288	6.2	17,400 12,721 14,258	18,531 13,236 15,073	19,349 13,928 15,803	
Appleton-Oshkosh-Neenah, WI Asheville, NC	4,731 2,502	5,126 2,753	5,477 2,968	6.9 7.8 6.3	15,286 14,542	16,410 15,856	17,321 16,934	146 161	Fort Wayne, INFort Worth-Arlington, TX*	6,023 21,335	6,492 22,831	6,776 24,777	4.4 8.5	16,852 16,623	17,974 17,458	18,570 18,478	97 102
Athens, GA	2,026 50,747 6,666	2,218 54,098 7,122	2,357 57,798 7,559	6.3 6.8 6.1	13,308 18,702 21,306	14,346 19,439 22,486	20,263	262 51 20	Fresno, CA	9,187	9,992	11,002	4.3	14,456 12,249	15,278 12,814	16,365	191 306
Augusta, GA-SC	5,449 6,607	6,005 7,296	6,591 7,712	9.8 5.7	13,967 18,998	15,237 20,677	16,565 21,516	184 32	Gainesville, FL Galveston-Texas City, TX* Gary-Hammond, !N* Glens Falls, NY	2,723 3,346 8,769	2,968 3,554 9,526	3,199 3,865 10,031	8.7	13,738 15,455 14,466	14,756 16,421 15,735	15,594 17,744 16,592	239 131 182
Austin, TX	11,523 7,471	12,445 7,963	13,659 8,691	9.8 9.1	15,395 14,417	16,260 14,943	17,345 15,881	142 220 33	Grand Forks, ND	1,611 869 11,069	1,745 933	1,859 970	4.0	13,810 12,264	14,808 13,172	15,641 13,732 18,588	238 303 94
Baltimore, MD Bangor, ME (NECMA) Baton Rouge, LA	44,655 1,999 7,337	48,143 2,169 7,924	51,284 2,281 8,632	6.5 5.2 8.9	19,088 13,897 13,793	20,373 14,885 14,945	15,521	242 193	Grand Rapids, MI	1,152 1,827	12,058 1,247 1,979	12,857 1,318 2,095	5.7	16,522 14,738 13,872	17,739 16,010 15,045	16,965 15,874	157 221
Battle Creek, MI	1,939 5,170 2,480		2,171 5,925 2,817	5.6 8.1 6.8	14,326 14,111 13,113	15,166 15,117 14,075	16,416	216 190 258	Green Bay, WIGreen-High	3,030	3,319	3,613	ļ	15,929	17,242	18,490	
Beaver County, PA* Bellingham, WA Benton Harbor, MI	1,668 2,361	1,849 2,500	2,817 2,064 2,623	11.6 4.9	13,751 14,667	14,075 14,863 15,522	16,002	214 204	Point, NC	15,510 9,171 1,736	16,713 9,983 1,866	17,604 10,739 1,977	7.6	16,821 14,648 14,560	17,904 15,725 15,494	18,621 16,696 16,238	93 172 203
Bergen-Passaic, NJ *	32,850 1,663	34,877 1,829	36,513 1,958	4.7 7.1	25,432 14,587	27,150 16,090	28,593 17,272	3 149	Hagerstown, MD Hamilton-Middletown, OH * Harrisburg-Lebanon-Carlisle, PA	4,303 9,240	4,621 9,986	4,902 10,639	6.1	15,137 15,911	16,019 17,075	16,750	170 118
Biloxi-Gulfport, MS Binghamton, NY Birmingham, AL	2,367 4,144 13.777	2,511 4,420 14,809			12,038 15,618 15,254	16,676	17,506	139	Hartford-Ñew Britain-Middletown- Bristol, CT (NECMA) Hickory-Morganton, NC	24,618 3,161	26,278 3,397	27,503 3,627		22,072 14,495	23,442 15,432		
Bismarck, ND	1,162 1,340	1,263 1,460	1,333 1,560	5.5 6.9	13,693 12,585	14,975 13,530	15,926 14,266	217	Honolulu, HI	14,685 2,053	16,206 2,148	17,881 2,328	10.3	17,890 11,074	19,561 11,666	21,307 12,754	41 310
Bloomington-Normal, tL	2,033 3,226				16,494 16,373				Houston, TX * Huntington-Ashland, WV-KY-OH Huntsville, AL	52,840 3,844 3,886	57,780 4,062 4,255	63,565 4,374 4,553	7.7	12,111		19,175 14,015 18,990	295
Brockton, MA	83,483 4,171	89,097 4,534	92,019 4,844	6.8	22,135 18,839	20,303	21,421	34	Indianápolis, IN	21,058 1,447	22,883 1,632	24,478 1,747	7.0 7.0	16,577 17,180 15,645	18,456 17,278	19,522 18,057	65 117
Bradenton, FL Brazoria, TX * Bremerton, WA	3,186 2,947 2,714		3,849 3,448	6.6 9.3	16,027 15,454 15,217	17,555 16,539	17,997 17,951	122 125 156	Jackson, MI	2,114 5,375 1,020	2,262 5,845 1,106	2,365 6,198 1,191	4.6	14,309 13,702 13,146	15,208 14,843	15,750 15,644	237
Bridgeport-Stamford-Norwalk-	24,062	25,695	26,757	4.1	28,945	30,962	32,342	1	Jackson, TN Jacksonville, FL Jacksonville, NC	13,918 1,473	15,057 1,579	16,134 1,537	7.2	15,970 10,245	16,926 10,726	17,675 10,190	134 317
Danbury, CT *	2,071 1,335 15,579	2,278	2,543 1,545 17,712	11.6 6.7 6.5	8,158 11,077 15,947	8,873 11,963	9,728	318 311	Jamestown-Dunkirk, NY	1,914 2,067	2,032 2,200	2,154 2,339	6.3	13,356 14,866	15,808	16,742	171
Burlington, NC	1,654 2,350	1,788 2,583	1,879	51	15,620 17,626	16,678	17,306	148	Jersey City, NJ *	9,120 5,522	9,712 5,894	10,197 6,332	i	16,280 12,634			
Canton, OH Casper, WY	5,829 978	6,178 997	6,558 1,092	9.5	14,761 15,174	15,660 15,929	16,638 17,957	177 124	Johnstown, PA	3,041 6,380	3,240 6,966	3,469 7,374	7.1 5.8	12,399 16,727	13,337 18,048	14,407	286 86
Cedar Rapids, IA Champaign-Urbana-Rantoul, IL Charleston, SC	2,774 2,583 6,437 3,662	3,051 2,763 6,485	3,241 2,938 7,589	1 6.3	16,693 15,014 13,092	16,017	16,957 14,903	159	Joplin, MO Kalamazoo, MI Kankakee, IL	1,708 3,602 1,366	1,809 3,917 1,457	1,914 4,096 1,567	4.6	12,796 16,313 14,136	17,637	14,153 18,288 16,283	109
Charleston, WV	18,349	19,949	4,154 21,565	1 7.1	14,348 16,357	15,392 17,425	16,615 18,455	179 104	Kankakee, IL Kansas City, MO-KS Kenosha, WI *	27,044 2,052	28,896 2,143	30,614 2,231	5.9 4.1	17,581 16,344	18,600 16,887	19,482	66 143
Charlottesville, VA	2,157 6,283	6,635	7,073	6.6	16,782 14,648 15,030	18,205	16,298	199	Killeen-Temple, TXKnoxville, TN	3,030 8,568	3,184 9,126	3,382 9,737 1,724	6.2	12,192 14,325	15,159		209
Cheyenne, WY Chicago, IL * Chico, CA	1,092 118,844 2,343	128,028	136,004	6.2	15,030 19,623 13,429	21,120	16,555 22,385 15,051	25	Kokomo, IN	1,551 1,438 2,776	1,666 1,555 2,938	1,724 1,652 3,250 2,075	3.4 6.2 10.6	15,813 14,959 13,143	16,022	16 81	164
Cincinnati, OH-KY-IN*Clarksville-Hookinsville. TN-KY	24,221 1.878	25,908 2,008	27,675 2,119	6.8 5.5	16,859 11,385	17,922 11,993	19,010 12,451	80 312	II Lafavette IN	1,754 2,162	1,931 2,275	2,514	11 10.5	13,661 12,756	14,893	15,84	222 263
Cleveland, OH * Colorado Springs, CO	33,556 6,036		38,005 6,705	5.7 4.6	18,252 15,617	19,602 16,361	20,758 16,807		Lake Charles, LA Lake County, IL* Lakeland-Winter Haven, FL	12,170 5,283	13,182 5,766	14,211 6,056	7.8 5 5.0	24,316 13,589	14,514	27,378 14,835	6 272

Table 1.—Total Personal Income and Per Capita Personal Income by Metropolitan Area, 1988-90—Continued

·		Total persor	nal income		Per c	apita per	sonal inc	come ³			Fotal person	nal income		Per o	apita pe	rsonal in	come 3
Area name	Mill	lions of doll	ars	Percent change 2		Dollars		Rank in U.S.	Area name	Mili	ions of dolla	ars	Percent change 2		Dollars		Rank in U.S.
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Lancaster, PA Lansing-East Lansing, MI Laredo, TX Las Cruces, NM Las Vegas, NV Lawence, KS Lawton, OK Lewiston-Auburn, ME (NECMA) Lexington-Fayette, KY Lima, OH Little Rock, AR Longview-Marshall, TX Lorain-Elyria, OH Los Angeles-Long Beach, CA* Louisville, KY-IN Lubbock, TX Lynchburg, VA Macon-Warner Robins, GA Madison, WI Manchester-Nashua, NH (NECMA) Mansfield, OH Mansfield	1988 6,872 972 1,311 10,746 933 1,361 1,507 5,498 2,279 3,234 7,540 2,255 3,921 161,167 1,998 4,101 6,242 6,995 1,867 2,868	7,553 7,129 1,076 1,431 1096 1,413 1,633 5,989 2,409 3,532 8,122 2,378 4,152 173,871 16,307	8,023 7,513 1,205 1,546 14,088 1,163 1,474 1,474 1,704 6,473 2,539 3,821 8,717 2,557 4,341 185,131 17,421 3,446 2,262 4,670 7,409 7,603 2,042	6.2 5.4 12.1 8.0 13.8 6.1 4.3 4.3 4.3 7.5 4.6 6.8 6.8 6.8 7.5 6.8 6.8 7.5 6.8 6.1 3.2 4.1	16,786 15,568 7,653 9,825 16,386 12,598 12,067 14,530 16,205 14,832 14,850 13,831 14,455 18,805 16,016 13,670 17,478 21,289 14,788	18,111 16,570 8,261 10,640 17,721 13,597 12,636 15,584 16,699 15,911 14,656 15,307 19,891 14,472 15,089 14,472 15,089 16,679 18,910 22,019 15,281	18,878 17,322 8,973 11,379 18,625 14,136 13,228 16,154 16,434 17,816 16,949 16,006 20,786 20,786 20,786 20,786 15,944 16,594 16,594 16,594 16,594 16,594 16,899	145 319 316 92 294 307 208 189 127 160 233 213 44 111 247 218 181 181 23 207	Redding, CA Reno, NV Richland-Kennewick-Pasco, WA Richmond-Petersburg, VA Richerside-San Bernardino, CA* Roanoke, VA Rochester, MN Rochester, MN Rochester, MN Rockoff, IL Sacramento, CA Saginaw-Bay City-Midland, MI St. Cloud, MN St. Joseph, MO St. Louis, MO-IL Salem, OR Salinas-Seaside-Monterey, CA Sait Lake City-Ogden, UT San Angelo, TX San Angelo, TX San Angelo, TX San Prancisco, CA* San Francisco, CA* San Jose, CA*	2,020 4,647 2,116 15,804 36,052 3,724 1,827 17,867 4,851 23,668 6,186 2,378 1,190 43,922 3,668 5,975 13,904 1,385 17,845 41,920 41,827 33,110	2,205 5,085 2,284 17,326 40,378 4,019 2,030 19,390 4,942 26,063 6,579 2,630 1,267 47,038 4,060 6,383 14,962 1,476 19,155 46,217 44,576 35,328	2,409 5,511 2,512 18,357 4,288 2,195 20,399 5,189 28,651 6,925 2,764 1,328 49,451 4,422 6,954 16,182 1,564 20,310 49,344 48,107 37,882	9.3 8.4 10.0 6.0 9.0 6.7 8.1 5.2 5.0 9.9 5.3 5.1 4.8 5.1 8.9 8.9 8.2 6.0	14,381 19,914 14,294 15,322 16,516 17,674 17,866 16,503 16,931 15,497 12,877 14,178 18,062 13,802 17,32 17,32 17,	15,284 20,887 15,381 16,226 17,880 19,317 19,349 18,024 16,494 13,983 15,200 19,307 14,896 18,175 14,101 15,145 14,921	16,277 21,327 16,684 21,114 16,755 19,106 20,515 20,338 18,262 19,180 17,328 14,396 15,992 20,200 15,793 19,465 15,033	7 202 7 40 173 4 42 5 188 5 79 4 7 6 5 50 2 112 74 1 12 74 2 215 5 229 6 88 6 223 2 244 6 63 6 223 2 244 6 63 6 223 2 244
Mcalert-Chindry-Mission, 1X Mediord, OR Melbourne-Titusville-Palm Bay, FL Memphis, TN-AR-MS Merced, CA Miami-Hialeah, FL Middlesex-Somerset-Hunterdon, NJ* Middlagex-Somerset-Hunterdon, NJ* Middlaged, TX Mimaukee, WI* Minneapolis-St. Paul, MN-WI Mobile, AL Modesto, CA Montgomery, AL Montgomery, AL Muncie, IN Muskegon, MI Naples, FL Nashville, TN Nassau-Suffolk, NY* New Bedford-Fall River-Attleboro, MA (NECMA) New Haven-Waterbury-Meriden, CT (NECMA) New London-Norwich, CT (NECMA) New Cleans, LA	1,959 5,999 15,148 2,158 30,225 24,745 1,853 24,592 45,891 4,277 1,652 2,091 16,196 63,931 16,196 4,691 4,691 18,296	2,132 6,618	2,298 7,117 17,512 2,507 34,726 28,047 2,067 28,462 52,835 6,902 5,699 24,309 1,970 4,905 1,877 2,353 3,951 18,146 72,837 9,382 17,873 5,168 20,465	7.8 7.0 7.1 6.3 6.1 6.1 6.5 7.8 9.1 6.0 7.1 6.3 9.5 5.8 5.5	7,684 13,952 15,953 15,624 12,651 16,144 24,720 17,482 17,653 19,218 12,620 13,744 22,305 14,578 13,731 13,283 22,612 24,435 16,896 20,270 18,451 14,494	8,281 14,871 16,760 13,366 17,198 26,071 18,371 18,369 20,411 13,506 14,475 23,420 12,903 15,686 14,728 14,728 14,735 17,617 26,404 17,874 21,436 19,679 15,331	15,582 17,668 17,797 13,797 13,797 13,823 27,418 19,345 21,330 14,434 14,238 24,567 13,869 16,751 15,697 14,767 25,589 27,919 18,521 22,197 20,259 16,560	241 135 129 297 126 5	Santa Barbara-Santa Maria-Lompoc, CA Santa Cruz, CA* Santa Fe, NM Santa Rosa-Petaluma, CA* Sarasota, FL Savannah, GA Scranton-Wilkes-Barre, PA Seattle, WA* Sharon, PA Sheboygan, WI Sherman-Denison, TX Shreveport, LA Sioux City, IA-NE Sioux Falls, SD South Bend-Mishawaka, IN Spokane, WA Springfield, IL Springfield, MO Springfield, MA (NECMA) State College, PA Steuberville-Weirlon, OH-WV Stockton, CA Syracuse, NY Iacoma, WA	6,876 4,293 1,828 7,264 5,722 3,590 10,681 36,712 1,652 1,384 4,704 1,646 1,908 3,831 5,047 3,252 1,626 1,62	7,639 4,256 2,040 8,013 6,552 3,79 11,469 40,953 1,719 1,802 2,100 4,074 5,483 3,460 3,681 10,933 1,791 1,992 6,965 11,281 8,829	8,134 5,086 2,210 8,629 6,990 4,183 12,146 44,931 1,549 5,251 1,909 2,299 4,261 5,942 3,697 3,947 11,324 1,921 2,113 7,484 12,022 9,583	9.7 6.7 4.8 7.2 6.5 9.4 4.6 8.4 8.4 7.2 3.6 7.3 6.1 7.5 6.8	14,632 19,731 13,198 16,051 14,458 13,832 14,419 15,587 15,688 14,268 14,474 17,101 13,355 12,699 14,170 15,864 14,646	24,181 16,051 15,661 21,382 14,151 17,362 15,263 14,627 15,728 16,568 15,386 18,296 18,128 14,573 13,778 14,805 17,052	16,365 19,480 16,327 18,777 15,476 14,891 15,453 18,211 16,194	30 30 29 14 14 187 24 187 216 188 183 98 151 191 65 245 270 89 246 11 206
New York, NY* Newark, NJ* Newark, NJ* Norlok-Virginia Beach-Newport News, VA Oakland, CA* Ocala, FL Odessa, TX Oklahoma City, OK Olympia, WA Ormaha, NE-IA Orange County, NY* Orlando, FL Owensboro, KY Oxnard-Ventura, CA* Panama City, FL Parkersburg-Mariettia, WV-OH Pascagoula, MS Pensacola, FL Peoria, IL Philadelphia, PA-NJ* Phoenix, AZ Pine Bluff, AR Pittsburgh, PA* Pittsburgh, PA* Pittsburgh, PA* Pittsburgh, MA (NECMA) Portland, OR* Portsmouth-Dover-Rochester, NH (NECMA) Portland, OR* Proved-Pawtucket-Woonsocket, RI (NECMA)	177,094 43,411 3,245 20,876 42,291 2,288 1,607 14,045 2,294 1,607 2,045 1,607 2,045 1,058 34,466 2,518 4,486 19,952 6,541 5,067 15,258 2,485 1,536 2,485 1,536 2,485 1,536 2,485 1,536 2,485 1,536 2,485 1,536 2,485 1,536 2,485 1,536 2,485 1,536 2,584 1,536 2,585 1,536 2,584 1,536 2,585 1,536 2,584 1,536 2,585 1,536 2,585 1,595 5,849	191,081 46,154 3,461 22,023 45,488 2,528 1,678 15,002 2,550 10,707 5,741 17,849	203,104 48,457 3,674 23,302 49,101 2,721 1,752 15,840 2,821 11,519 6,116 19,246 1,382 14,428 38,470 1,180 39,351 2,790 5,211 24,173 7,164 5,761 17,129 3,037 1,746 3,233 14,679 1,293 6,634	630 56.2 5.8 7.9 7.6.4 5.6.6 17.6.5 7.6.4 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	20,802 23,501 14,650 15,385 21,035 12,631 13,167 14,662 15,123 16,201 17,926 18,937 12,004 13,117 13,539 12,004 13,402 15,803 18,897 16,655 12,261 17,825 12,665 12,261 17,825 16,786 19,269	22,379 15,975 22,159 13,409 13,409 15,6306 17,427 14,944 13,882 14,192 14,193 10,204 11,731 17,109 10,205 11,731 11,731 12,885 17,774 12,885 17,774 12,885 17,774 18,270 20,941 11,793 10,487 11,793 1	23,744 6,613 23,452 13,476 16,501 13,476 16,501 17,737 15,822 14,214 14,814 15,3475 14,936 19,159 19,159 21,362 21,362 21,362 21,362 21,362 21,362 21,362 21,462 11,467 11	19 8 176 180 21 301 1847 96 60 132 225 35 273 254 305 76 55 36 70 49 28 91 315 292 105 59	Tallahassee, FL Tampa-St. Petersburg-Clearwater, FL Terre Haute, IN Texarkana, TX-Texarkana, AR Toledo, OH Topeka, KS Trenton, NJ Tucson, AZ Tulsa, OK Tulsa	3,099 32,632 1,695 1,529 9,882 2,770 7,364 9,138 10,886 1,894 2,337 3,885 2,489 86,295 1,584 18,960 2,150 1,737 1,869 1,673 1,732 12,926 2,440 7,130 1,492 1,165	3,411 35,713 1,850 1,634 10,454 2,985 8,919 9,735 11,730 2,063 2,480 4,771 7,882 3,695 1,151 2,196 2,637 94,613 2,270 1,761 21,466 2,284 8,610 1,981 1,795 1,191 1,795 1,917	3,717 38,056 1,945 1,766 10,878 3,152 8,492 10,165 12,620 2,283 2,658 5,074 8,455 4,040 1,241 2,324 4,616 4,636 9,157 2,438 1,887 2,418 2,937 1,876 12,400 2,067 14,149 2,920 7,965 1,7970 1,212	8.1 4.6 5.9 4.4 7.6 10.6 7.8 5.8 5.8 10.3 7.4 7.2 8.9 8.8 5.8 5.9 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	16,617 14,564 14,544 14,802 12,975 13,297 22,818 13,896 13,906 23,460 13,118 16,700 15,218 14,124 18,946 14,767 18,518 13,309 17,147 14,280 12,616	17,043 18,589 14,728 16,573 16,573 16,503 16,503 16,503 15,016 17,874 16,004 15,515 15,428 15,359 25,621 14,175 17,829 16,114 16	18,274 14,870 14,674 17,697 19,558 26,026 15,191 17,782 15,113 116,037 18,587 16,790 16,673 16,633 16,638 16,305 16,638 16,305 17,119 19,885 17,119 19,885 17,119 19,885 16,305 16,305 17,119 19,585 18,305 1	110 271 282 282 130 256 256 2130 259 138 290 250 166 174 166 177 198 177 198 177 198 154 257 37 154 256 257 257 257 257 257 257 257 257

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

2. Percent change was calculated from unrounded data.

3. Per capita personal income was computed using Bureau of the Census midyear population estimates. The years 1988-89 are revised as of January 1992 to reflect 1980 and 1990 Census population counts. Midyear 1990

population estimates were prepared by BEA by adjusting the April 1990 population counts based on the Census Bureau July 1990 State estimates and the 1988-89 trend in the revised Census Bureau county estimates.

4. Only the name of the largest city in each Consolidated Metropolitian Statistical Area (CMSA) is shown. Complete titles designated by the Office of Management and Budget include additional city names.

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

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90

		Total perso	nal income		Per c	apita pe	rsonal in	come 3		1	Total person	al income		Per d	apita per	rsonal inc	come ³
Area name	Mil	lions of dol	lars	Percent change 2		Dollars		Rank in State	Area name	Mill	ions of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
United States 1 Metropolitan portion Nonmetropolitan portion	4,059,232 3,352,587 706,645	4,378,166 3,616,403 761,763	3,853,356	6.5 6.6 6.4	16,600 17,713 12,787	17,738 18,895 13,745	19,885		Juneau Borough Kenai Peninsula Borough	614 671	683 796	719 832	5.2 4.5	23,791 16,566	25,882 19,553	26,722 20,376	ř
Alabama Metropolitan portion Nonmetropolitan portion	52,901 38,038 14,862	56,657 40,894 15,763	60,681 43,893 16,788	7.1 7.3 6.5	13,145 14,055 11,276	14,058 15,069 11,973	16,091		Ketchikan Gateway Borough Kodiak Island Borough Matanuska-Susitna Borough Nome	284 251 521 111	317 291 578 119	355 292 627 125 141	11.7 .4 8.4 4.6	20,863 18,656 13,673 13,867	23,081 21,726 14,809 14,575	14,956	
Autauga Baldwin Barbour Bibb Blount Bullock	458 1,222 305 177 439 99	489 1,349 315 188 483 100	516 1,443 333 201 516 108	5.5 7.0 5.4 7.1 6.8 7.8	13,365 12,833 12,032 10,905 11,183 9,018	14,299 13,923 12,440 11,447 12,323 9,114	12,114 13,135	9 12 28 48 27 64	North Slope Borough Northwest Artic Borough Prince of Wales-Outer Ketchilkan Sitka Borough Skagway-Yakutat-Angoon Southeast Fairbanks	108 83 87 170 75 81	125 92 98 184 84 84	141 111 108 194 96 90	12.5 21.2 9.9 5.1 14.4 7.3	19,274 14,194 14,845 20,124 17,971 13,465	16,049 21,580 19,641	18,069 16,973 22,493	14 16 9 11
Butler Calhoun Chambers Cherokee Chilton	221 1,441 446 225	225 1,518 469 232	238 1,596 477	5.8 5.2 1.8 6.8	10,116 12,242 11,900 11,646	10,283 13,009 12,648	10,840 13,776 12,968 12,642	59 21 30	Valdez-Cordova	212 53 165 118	258 58 170 124	245 60 180 132	-5.2 4.6 6.0 6.5	21,868 9,647 24,345 13,878	14,635		20 20
Choctaw Clarke Clay Clay Cleburne	162 303 147 134	169 323 158 144	183 346 172 156 566	7.2 7.8 7.0 8.5 8.3	10,010 11,080 11,054 10,478	10,537 11,860 11,927 11,350	11,411 12,698 12,948	56 37 31 45	Arizona Metropolitan portion Nonmetropolitan portion	52,252 44,308 7,944	55,657 47,215 8,442	58,923 49,847 9,076	5.9 5.6 7.5	14,778 15,881 10,652	·	l '	
Coffee Colbert Conecuh Coosa Covington Crenshaw	513 622 153 108 410	645 161 112 437	690 173	3.5 6.9 7.5 5.9 6.8	12,776 11,820 10,548 9,848 11,210	13,617 12,402 11,282 10,138 11,982	13,380 12,333 10,664 12,795	43 60	Apache Cochise Coconino Gila Graham Greenlee La Paz	423 1,111 1,099 422 233 89 171	460 1,168 1,149 438 245 93 186	486 1,253 1,241 476 264 104	5.7 7.3 8.0 8.5 8.0 11.7 2.6	6,942 11,577 11,786 10,478 8,908 10,169 11,097	10,853 9,232 11,151	12,793	
Culiman Dale Dallas De Kalb	802 608 512 667	876 650 534 731	934 680 574 787	6.7 4.5 7.5 7.6	11,959 12,319 10,409 12,280	13,008 13,144 10,994 13,425	13,794 13,672 11,946 14,374	20 23 52 16	Maricopa	34,005 954 671	36,279 1,029 694	38,470 1,149 747	6.0 11.7 7.7	16,655 10,844 8,792	17,317 11,252 8,967	18,042 12,196 9,603	1 7 14
Elmore Escambia Etowah Fayette Franklin	630 393 1,231 193 346	409 1,282 210		9.4 5.8 4.3 5.7 6.5	13,033 10,864 12,249 10,583 12,386	13,752 11,431 12,814 11,590 12,884	12,200 13,394 12,352	47 25 42	Pina Pinal Santa Cruz Yavapai Yuma	9,138 1,208 290 1,272 1,165	9,735 1,284 319 1,377 1,202	10,165 1,333 345 1,487 1,212	4.4 3.8 8.1 8.0	14,106 10,797 10,294 12,649 11,600	11,182 10,957 13,115	11,550 13,681	10 3
Geneva	290 89 125 183	93 129 193	198	4.5 7.0 9.0 2.5	12,118 8,720 8,156 11,976	13,252 9,090 8,377 12,569	9,757 9,045 12,839	34	Arkansas Metropolitan portion Nonmetropolitan portion	29,214 12,921 16,293	31,196 13,817 17,379	33,361 14,813 18,548	6.9 7.2 6.7	12,469 13,850 11,554	14,731 12,340	· ·	
Houston Jackson Jefferson Lamar Lauderdale Lawrence	1,118 547 10,592 179 1,003 316 1,025 707	564 11,348 188 1,065 333	12,130 198 1,147 371 1,179	8.1 6.9 5.3 7.7	13,860 11,273 16,131 11,268 12,467 10,001	14,980 11,737 17,373 11,929 13,318 10,571	12,767 18,624 12,636 14,403 11,763	6 36 2 39	Arkansas Ashley Baxter Benton Boone Bradley Calhoun Carroll	301 307 400 1,333 348 141 54 219	299 323 430 1,456 376 156 58 239	318 348 461 1,564 401 164 57 257	6.5 7.8 7.2 7.5 6.7 5.1 -2.1 7.6	13,577 12,412 13,077 14,264 12,466 11,566 9,194 11,950	13,902 15,208 13,356 13,067 9,871 12,926	14,730 15,937 14,129 13,975 9,718 13,757	12 9 3 16 20 74 22
Limestone Lowndes Macon Madison	128 219 3.886	143 229 4,255	794 141 245 4,553 284	-1.2 6.7 7.0	13,281 10,104 8,674 16,577 10,878	13,579 11,278 9,146 17,971 11,301	11,134 9,826 18,990	63	Chicot	155 240 217	239 155 256 215	257 162 277 232 241	3.9 8.0 7.7	9,577 10,928 11,717 10,818	11,851	12,951	33
Marengo Marion Marshali Mobile Monroe Montgomery Morgan	254 303 929 4,719 249 3,169 1,419	999 5,051 267	1,079 5,459 299 3,655	8.1 11.8 6.8	10,036 13,224 12,566 10,544 15,133	10,446 14,171 13,399	11,001 15,204 14,389 12,430 17,469	58 7 15 141	Cleburne Cleveland Columbia Comway Craighead Crawford Crittenden Cross	205 92 324 220 828 459 556 232	227 99 352 236 887 492 579 234	104 375 250 943 529 621 248	6.4 4.9 6.6 6.3 6.3 7.6 7.3 6.1	11,671 12,515 11,407 12,296 11,119	12,689 13,661 12,278 12,999	13,385 14,623 13,084 13,627 12,396 12,426	26 10 31 24 46 46
Perry Pickers Pike Randolph Russell St. Clair Shelby Sumter	107 199 311 214 524 558 1,322 149	110 215 332	118 236 357 240 604 656	7.2 9.9 7.7 6.2 8.9 8.2 10.4	8,199 9,532 11,259 10,777 11,204 11,463 14,515	8,516 10,365 12,026 11,372 11,851 12,272 15,186	9,247 11,418 12,938 12,069 12,873 13,056 15,938	66 55 32 49 33 33 29 5	Dallas Desha Drew Faulkner Franklin Fullon	112 197 187 729 169 87	118 195 197 794 182	125 206 211 865 191 99 1,171	5.4 5.3 7.1 9.0 5.0 6.4	11,450 11,321 10,661 12,726 11,265 8,684 13,703	12,202 11,455 11,268 13,501 12,214 9,305	12,304 12,146 14,306 12,851 9,884	32 49 5 52 13 35 1 72
Talladega	812 487 1,894 865	857 522 2,063 919	905 553 2,283 986	5.5 5.9 10.6 7.3	9,170 10,879 12,584 12,837 12,819	11,541 13,488 13,836 13,602	12,212 14,235 15,113 14,556	46 17 8 8	Garland Grant Greene Hempstead Hot Spring	1,002 171 339 236 267	356 254 283	199 385 269 307	8.5 8.3 6.0 8.4	12,438 10,704 10,702 10,119	13,234 11,204 11,665 10,814	12,105 12,484 11,771	15 53 42 61
Washington Wilcox Winston Alaska Metropolitan portion	178 130 233 10,101	187 131 261 11,263	209 142 265 11,933	11.6 8.1 1.6 5.9	10,741 9,418	11,258 9,626 11,803 20,585	12,507 10,471 12,023 21,646	40 61 51	Howard Independence Izard Jackson Jefferson Johnson	164 360 126 227 1,058 187	198 389 138 229 1,106	214 414 151 239 1,180 216	6.5 9.1 4.5 6.7	12,046 11,505 11,177 11,703 12,261 10,265	12,449 12,239 11,961 12,885	13,280 13,249 12,668 13,809	27 28 3 38 21
Aleutians East Borough Aleutians West Census Area	4,765 5,336 33	5,961	6,275	5.3 8.0 9.2	17,032 14,522 15,084	16,243 15,066	19,291 16,849 15,84	17 7 18	Lafayette Lawrence Lee Lincoln	120 206 122 116	204 131 212 120 120	137 213 134 128	4.2 .6 11.1	12,230 11,633 8,989 8,402	13,518 12,076 9,063	14,200 12,247 10,282	14 7 50 2 71
Anchorage Borough Bethel Bristol Bay Borough Dillingham Fairbanks North Star Borough Haines Borough	4,765 159 38 107 1,205	5,302 172 3 43 115	5,658 182 44 119	6.7 5.9 2.0 3.5 3.9	20,830 12,059 29,464 19,531 16,206	23,295 12,812 31,861 20,509 17,367	25,03! 13,284 31,072 20,823	5 5 23 1 3 12 7 15	Little River Logan Lonoke Madison Marion	161 232 497 128 137	175 250 536 144 145	196 264 573 152	5.6 7.0 6.0	11,515 11,237 12,893 11,015 11,492	12,141 13,758	12,835 14,543 13,103	37 3 11 3 30

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

		otal person	al income	7	Per c	apita per	sonal inc	come 3		1	otal person	al income		Per c	apita per	sonal inc	come ³
Area name	Milli	ons of dolla	ars	Percent change 2		Dollars		Rank in State	Area name	Mill	ons of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Miller Mississippi Monroe Montgomery Nevada	461 615 127 79 112	490 631 132 88 119	526 690 140 91 123	7.4 9.4 6.2 4.1 4.0	12,027 10,599 10,789 10,051 10,840	11,199	13,660 12,009 12,414 11,645 12,246	23 54 45 62 51	Tuolumne Ventura Yolo Yuba Colorado	617 12,586 2,271 620 54,387	672 13,521 2,569 675 58,358	725 14,428 2,802 726 62,280	7.9 6.7 9.1 7.6	13,543 19,710 16,850 10,986 16,669	14,220 20,604 18,553 11,745 17,815	14,824 21,420 19,727 12,415	13 16 56
Newton Ouachita Perry Phillips Pike Poinsett	66 361 78 291 115 286 182	71 372 87 303 128 295	75 384 92 326 133 304	5.6 3.2 5.6 7.7 3.9 2.9 6.2	8,535 11,691 9,968 9,683 11,417 11,396	9,225 12,133 11,007 10,325 12,721 11,904	9,780 12,580 11,503 11,377 13,165 12,354	73 41 64 65 29 48	Metropolitan portion Nonmetropolitan portion Adams Alamosa Arapahoe	46,016 8,372 3,816 148 7,645	49,286 9,072 4,006 165 8,217	52,559 9,721 4,275 174 8,850	6.6 7.2 6.7 5.9 7.7	17,321 13,812 14,384 11,120 19,997	18,462	19,515 15,963 16,116 12,743 22,507	30
Polk Pope Prairie Pulaski Randoloh	523 104 5,551 163	193 567 109 5,966	205 628 113 6,376	10.6 3.8 6.9 5.6	10,573 11,697 10,753 15,875	11,166 12,506 11,381 17,070 10,201	11,801 13,623 11,919 18,225 10,794	1 67	Archuleta Baca Bent Boulder Chaffee Cheffee	54 83 61 4,171 165 64	59 86 70 4,534 171 74	64 95 77 4,844 182 71	7.1 10.4 10.0 6.8 6.2 -3.2	10,455 17,685 11,490 18,839 12,840 26,605	11,296 18,630 13,600 20,303 13,450 30,783	11,814 20,888 15,369 21,421 14,363 29,747	12 39 10 46 3
St. Francis Saline Saline Scott Searcy Sebastian Sevier Sharp Stone Union	273 764 109 76 1,420 153 141 87 665	280 826 117 81 1,476 172 151 97 715	295 902 122 85 1,563 192 163 102 762	5.4 9.2 4.6 5.2 5.9 11.9 7.8 5.8 6.5	9,362 12,329 10,740 9,381 14,360 11,134 9,932 8,964 14,089	9,714 13,075 11,509 10,153 14,874 12,535 10,665 9,942 15,252	10,375 13,978 11,974 10,860 15,671 14,095 11,544 10,467 16,326	69 19 56 66 6 17 63 68 2	Clear Creek Conejos Costila Crowley Custer Delta Denver Dolores Prugias	111 62 35 39 26 244 9,142 25 1,001	116 69 41 45 28 258 9,773 25 1,127	73 40 48 29 279 10,335 24 1,272	5.3 6.6 5 7.8 5.5 7.9 5.7 -6.1 12.9	14,502 8,226 10,321 10,444 13,886 11,302 19,093 15,784 18,908	9,233 12,448 11,583 14,615 12,182 20,719 16,561 19,748	9,854 12,707 12,149 15,164 13,333 22,156 15,870 20,639	63 56 59 40 53 6
Van Buren Washington White Woodruff Yell	150 1,427 561 108 198	165 1,553 607 106 213	174 1,678 651 114 225	6.0 8.0 7.2 6.8 5.5	10,753 12,862 10,381 10,895 11,246	11,785 13,828 11,169 10,992 12,049			E. yle Elbert El Paso Fremont Garfield	359 156 6,036 377 392	413 169 6,412 395 434	458 179 6,705 418 487	10.9 6.0 4.6 5.7 12.1	17,546 17,098 15,617 11,779 13,616	19,408 17,956 16,361 12,307 14,756	20,652 18,424 16,807 12,927 16,128	13 20 26 54 29
California Metropolitan portion Nonmetropolitan portion Alameda Alpine	532,217 515,281 16,936 24,681 21 386	576,597 558,128 18,469 26,241 25	619,762 600,017 19,745 28,454 26 456	7.5 7.5 6.9 8.4 1.6	18,695 18,904 13,995 19,876 18,840	19,734 19,951 14,859 20,766 22,308	20,689 20,921 15,485 22,148 23,000	9 7	Gilpin Grand Gunnison Hinsdale Huerfano Jackson	38 124 121 8 67 25 8,137	42 134 131 8 71 25 8,646	45 138 140 9 75 26 9,231	7.2 3.5 7.0 5.7 5.4 2.6 6.8	12,712 15,241 11,783 16,244 10,850 14,973 18,794	13,738 16,638 12,733 17,887 11,723 15,654 19,856	14,448 17,372 13,609 18,874 12,561 16,318 20,997	22 52 18 57 27
Amador Butte Calaveras Colusa Contra Costa Del Norte El Dorado Fresno	2,343 376 241 17,610 226 1,974 9,187	414 2,543 414 273 19,247 248 2,226 9,992	2,758 442 278 20,648 276 2,452 11,002	10.1 8.5 6.9 1.9 7.3 11.0 10.2 10.1	14,079 13,429 12,590 15,404 22,906 10,169 16,870 14,456	14,316 14,214 13,312 17,051 24,391 10,828 18,213 15,278	14,977 15,051 13,680 17,011 25,523 11,650 19,250 16,365	45 44 54 27 4 58 19 31	Jefferson Kiowa Kit Carson Lake La Plata Larimer Las Animas Lincoln	46 140 53 432 2,705 156 76	49 145 57 459 2,956 164 85 267	54 156 61 503 3,207 171 92	10.1 8.0 6.8 9.6 8.5 4.3 7.7	26,363 19,267 7,952 13,537 14,972 11,104 16,667	28,643 20,113 9,098 14,297 16,106 11,798 18,735	31,874 21,935 10,256 15,542	2 7 62 37 24 58
Glenn Humboldt Imperial Inyo Kern Kings Lake Lassen Los Angeles	345 1,693 1,385 280 7,471 1,182 670 313 161,167	377 1,818 1,509 308 7,963 1,339 736 336 173,871	390 1,928 1,595 330 8,691 1,425 789 355 185,131	3.3 6.1 5.7 7.1 9.1 6.4 7.3 5.7 6.5	14,286 14,523 13,106 15,406 14,417 12,446 13,813 11,780 18,805	15,388 15,394 13,991 16,896 14,943 13,563 14,789 12,358 19,891	15,654 16,138 14,523 18,049 15,881 13,907 15,492 12,784 20,786	38 51 40 55 14	Logan Mesa Mineral Moffat Montezuma Montrose Morgan Otero	253 1,192 8 156 216 308 279 259	1,303 8 160 236 332 302 268	281 1,413 9 166 262 351 325 280	5.1 8.4 10.2 3.5 11.0 5.8 7.4 4.6	13,864 13,007 12,405 13,121 11,493 12,610 12,611 12,468	14,997 14,107 13,446 13,835 12,648 13,601 13,749 13,117	14,664 14,041 14,357 14,798 13,910	41 36 44 50 47 43 51
Marin	7,466 190 1,099 2,158	1,151 8,096 208 1,214 2,341	1,235 8,657 233 1,301 2,507	7.2 6.9 12.1 7.2 7.1	13,112 32,943 13,884 14,121 12,651	13,384 35,398 14,769 15,304 13,366	13,897 37,541 16,172 16,119 13,961	52 1 34 36 50	Ouray Park Phillips Pitkin Prowers	34 95 71 351 184	36 105 78 379 203	37 111 77 413 211	3.6 5.2 -1.5 8.8 4.1	15,215 13,685 16,690 28,979 13,584	15,959 14,898 18,560 30,592 15,100		38 19 1 35
Modoc Mono Monterey Napa Nevada Orange Placer Plumas Riverside	125 166 5,975 2,139 1,179 51,327 2,844 278 16,381	133 182 6,383 2,367 1,300 55,462 3,191 302 18,725	138 188 6,954 2,520 1,421 59,191 3,523 324 20,432	4.3 3.4 8.9 6.5 9.3 6.7 10.4 7.3 9.1	13,072 17,209 17,322 19,792 16,009 22,233 17,709 14,414 15,551	13,771 18,522 18,175 21,586 16,996 23,424 19,037 15,478 16,714	18,802	21 18 8 23	Pueblo Rio Blanco Rio Grande Rout Saguache San Juan San Miguel Sedgwick Summit Teller	1,536 89 138 230 41 12 47 47 233 176	1,636 92 158 259 49 13 55 49 264 180	1,746 101 152 285 52 13 63 53 292	6.7 9.5 -3.4 10.0 4.5 6.6 15.0 9.5 10.6 5.4	12,383 14,410 12,694 16,350 9,129 16,364 13,383 16,734 18,754 14,857	13,273 15,266 14,571 18,419 10,835 16,771 15,294 17,719 20,831 14,752	16,990 14,148 20,191 11,127	49 16 61 21 23 17 5
Sacramento San Benito San Bernardino San Diego San Francisco San Joaquin	16,579 521 19,671 41,950 18,106 6,466	18,078 554 21,653 46,217 18,977 6,965	19,874 601 23,565 49,344 20,659 7,484	9.9 8.5 8.8 6.8 8.9 7.5 7.1	16,822 15,184 15,136 17,782 25,031 14,170	17,762 15,507 15,827 18,944 26,212 14,805	18,934 16,204 16,399 19,588 28,532 15,453	20 33 29	Washington	95 1,827 170 75,128	104 1,979 185 80,188	104 2,095 192 83,549	5 5.8 3.6 4.2	19,231 13,872 18,544 22,958	21,469 15,045 20,536 24,422	21,626 15,874 21,474 25,395	33 9
San Luis Obispo San Mateo Santa Barbara Santa Clara Santa Cruz Shasta	3,198 16,255 6,876 33,110 4,293 2,020	3,519 17,502 7,639 35,328 4,256 2,205	3,768 18,790 8,134 37,882 5,086 2,409	7.1 7.4 6.5 7.2 19.5 9.3	15,496 25,656 19,229 22,738 19,352 14,381	16,551 27,219 20,952 23,864 18,795 15,284	17,221 28,819 21,902 25,193 22,025 16,277	25 2 12 5 11 32	Metropolitan portion Nonmetropolitan portion Fairfield Hartford Litchfield Middlesex	69,568 5,561 24,062 18,991 3,916 3,088	74,193 5,995 25,695 20,247 4,224 3,325	77,301 6,248 26,757 21,209 4,391 3,462	4.2 4.2 4.1 4.8 4.0 4.1	23,190 20,405 28,945 22,414 22,848 21,820	24,662	25,658 22,533 32,342 24,875	1 3 2
Sierra Siskiyou Solano Sonoma Stanislaus	49 591 4,955 7,264 4,779	52 628 5,515 8,013 5,224	56 672 5,935 8,629 5,699	8.0 7.1 7.6 7.7 9.1	14,916 13,844 15,541 19,725 13,744	15,824 14,541 16,645 21,097 14,475	16,949 15,396 17,268 22,055 15,238	28 42 24 10 43	New Haven	16,196 4,691 2,539 1,645 11,623	17,205 5,015 2,706 1,771 12,693	17,873 5,168 2,832 1,857 13,446	3.9 3.0 4.7 4.8 5.9	20,270 18,451 20,067 16,265 17,944	21,436 19,679 21,162 17,362 19,282	22,197 20,259 21,944 18,070 20,095	5 7 6 8
Sutter Tehama Trinity Tulare	873 552 163 3,885	958 586 173 4,186	1,032 611 181 4,616	7.8 4.4 4.8 10.3	14,101 11,616 12,748 12,975				Metropolitan portion Nonmetropolitan portion Kent	8,528 3,095 1,444	9,343 3,350 1,549	9,891 3,555 1,666	5.9 6.1	19,831 14,218		22,284 15,781 14,946	

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	7	otal persor	nal income		Per c	apita pe	sonal inc	come 3		1	Total person	al income		Per c	apita per	sonal inc	come 3
Area name	Міл	ons of dolla	ars	Percent change 2		Dollars		Rank in State	Area name	Milli	ions of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
New Castle	8,528 1,651	9,343 1,801	9,891 1,889	5.9 4.9	19,831 15,061	21,388	22,284 16,599	1 2	Bleckley	133 101	142 112	149	5.0	12,701	13,554 10,189	14,282	59 154
Sussex District of Columbia	13,137	13,783	14,196	3.0	20,835	16,120 22,083			Brantley Brooks Bryan	140 177	156 196	118 163 202	5.6 4.5 3.2	9,369 9,145 12,416	10,189 10,131 13,115	10,584 10,563 12,954	155 95
Fiorida Metropolitan portion	204,859 189,841	225,599 208,981	241,836 223,958	7.2 7.2	16,644 16,966	17,851 18,197	18,539 18,900		Bulloch	454 232	495 226	528 231	6.6 2.4	10,833 11,251	11,615 10,958	12,186	121 145
Nonmetropolitan portion	15,018	16,618	17,878	7.6	13,422	14,409	14,963		Butts	190 62 276	204 65 313	221 72 344	8.4 10.9 10.0	12,530 11,960 10,418	13,334 12,694 10,939	14,391 14,409 11,186	54 53 146
Alachua Baker Bay	2,494 213 1,607	2,718 224 1,732	2,932 243 1,893	7.9 8.5 9.3	14,182 11,910 13,117	15,211 12,304 13,882	16,058 13,056 14,814	23 43 30	Candler	87	93 978	99 1,039	7.0	11,154 13,265	11,919	12,796 14,463	102 51
Bradford Brevard	229 5,999	249 6,618	267 7,117	7.1 7.5	10,249 15,953	11,124 17,047	11,836 17,668	53 16	Carroll	912 481 92	510 97	548 102	6.2 7.5 5.3	11,661 11,207	13,915 12,160 11,557	12,860 11,934	99 127
Broward Caihoun Charlotte	24,153 90 1,481	26,488 96 1,702	28,256 105 1,846	6.7 9.9 8.4	20,033 8,548 14,807	21,515 8,876 16,062	9,475	6 66 22	ChathamChathahoochee	3,318 193	3,584 191	3,859 193	7.7 1.0	15,364 10,332	16,548 10,790	17,776 11,525	11 139
Citrus	1,085 1,532	1,203 1,588	1,302 1,719	8.3	12,634 15,561	13,355 15,493	13,740	22 38 24	Chattooga Cherokee	238 1,395 1,147	251 1,519 1,245	264 1,648 1,329	5.3 8.5 6.8	10,781 16,870 13,324	11,306 17,452 14,314	11,867 18,035 15,134	130 8 34
CollierColumbia	3,125 472	3,609 506	3,951 537	9.5 6.3	22,612 11,442	24,755 12,061	25,589 12,538	3 47	Clay	30	32	34	4.7	8,979	9,686	10,058	158 20
Dade De Soto Dixie	30,225 251 92	32,756 274 103	34,726 293 110	6.0 6.9 6.6	16,144 10,933 9,207	17,198 11,697 9,986	17,823 12,185	15 51 64	Clayton	2,653 59 8,755	2,765 62 9,240	2,953 67 9,905	6.8 8.1 7.2	14,878 9,267 20,713	15,319 9,933 21,137	16,171 10,904 21,933	151
Duval Escambia	10,305 3,516	11,197 3,775	11,948 4,059	6.7 7.5	15,775 13,625		17,662	17 27	Coffee	333 453	368 483	396 512	7.8 5.9	11,358 12,429	12,462 13,217	13,372 13,959	83 65
FlaglerFranklin	315 91 457	359 98 492	391 105 531	8.9 7.1 7.8	12,862 10,402 11,106	13,402	11,678	41 54	Cook	926 151 737	1,028 158 807	1,121 168 870	9.0 6.0 7.7	15,047 11,168 14,470	16,023 11,749 15,345	16,795 12,469 16,015	16 114 22
Gadsden	97	104	113	8.3	10,912	11,242	11,548	57	Crawford	100 225	106 237	113 251	5.9 5.6	11,436 11,223	11,947 11,843	12,482 12,518	113 110
GladesGulf	61 128 98	66 135 109	70 144 115	5.9 6.0 6.2	8,273 11,418 9,404	8,868 11,914 10,164	12,429	67 48 63	Dade	123 113	132 125	141 128	7.4 2.6	9,498 13,501	10,084 13,891	10,728 13,313	153 86
Hamilton Hardee Hendry	256 338	271 366	278 376	2.6 2.6	13,031 13,805	13,903 14,566	14,261	32 31	Dawson Decatur De Kalb	305 10,441	324 10,998	345 11,493	6.5 4.5	11,902 19,437	12,690 20,280	13,545	77
Hemando Highlands	1,205 880	1,328 966	1,434 1,027	8.0 6.3	13,426 13,729	13,826 14,547	13,919 14,854	36 28	Dodge Dooly	189 123	207 129	221 132	7.0 2.3	10,807 12,201	11,786 12,902	12,564 13,316	109 85
Hillsborough Holmes	12,256 155	13,249 168	14,178 179	7.0 6.4	15,352 10,005	16,221 10,774		19 61	Dougherty Douglas	1,256 1,072 146	1,342 1,135 157	1,444 1,231 163	7.6 8.5 4.0	12,807 15,650 12,096	13,819 16,212 13,113	17,217	14
Indian River	1,685 443 130	1,949 479 140	2,213 523 152	13.5 9.3 8.8	19,871 10,791 11,659	22,230 11,640 12,451	12,616	5 46 40	Echols	23	24	26	8.7	9,607	10,148	11,148	147
Jefferson Lafayette Lake	59 2,313	66 2,553	69 2,688	5.1 5.3	11,274	12,431 12,141 17,279	12,303	49 18	Effingham Elbert Emanuel	271 237 221	295 257 238	324 271 251	9.9 5.6 5.3	11,218 12,480 10,737	11,755 13,548 11,566	12,488 14,320 12,203	112 58 120
LeeLeon	5,240 2,642	5,954 2,919	6,408 3,187	7.6 9.2	16,960 14,418	18,427 15,518	18,877 16,422	10 21	Evans	115 180	124 187	131 197	6.0 5.6	13,355 11,466	14,252 11,762	14,974 12,313	40
Levy Liberty Madison	271 51 159	286 56 169	304 64 182	6.5 13.8 8.2	10,990 9,594 9,800	11,297 10,327 10,294	11,386	59	Fayette	1,184 1,154	1,334 1,224	1,479 1,306	6.7	21,141 14,295	22,345 15,099	23,311 16,062	1 21
Manatee	3,186	3,610	3,849	6.6	16,027	17,555	17,997	12	ForsythFranklin	750 216 13,153	852 236 13,975	911 246 14,844	7.0 4.5 6.2	18,265 13,214 20,584	19,894 14,260 21,672	20,455 14,760 22,819	44
Marion Martin Monroe	2,288 2,206 1,305	2,528 2,464 1,467	2,721 2,770 1,552	7.6 12.4 5.8	12,631 23,603 17,442	13,409 25,269 19,185	27,125 19,752	37 1 8	Gilmer	180	191	205 34	7.2	13,890	14,485	15,236	32
NassauOkaloosa	684 1,968 320	739 2,125	801 2,288 383	8.5 7.6	16,330 14,258 11,462	17,194 15,073 12,174	18,090 15,803	11 25 45	Glascock Glynn Gordon	941 466	32 1,033 498	1,096 524	5.5 6.1 5.2	12,555 15,275 13,601	13,647 16,629 14,349	14,576 17,506 14,885	13
Okeechobee Orange Osceola	10,377 1,466	351 11,396 1,660	12,235 1,800	9.1 7.4 8.5	16,314 15,049	17,317 16,113	17,879 16,451	14 20	Grady Greene	217 140	231 151	239 161	3.5 6.2	10,616 11,893	11,340 12,834	11,789 13,611	131 75
Palm Beach	18,960 3,500	21,466 3,739	23,387 3,961	8.9 5.9	23,460 13,276	1	1	35	Gwinnett Habersham Hall	5,998 369 1,418	6,494 399 1,538	7,117 419 1,625	5.0	18,801 13,515 15,342		15,125	
Pasco Pinellas Polk	15,672 5,283		18,484 6,056 751	6.2	18,846 13,589	20,685 14,514	21,610 14,835	7 29	Hancock	89	96	104	8.0	9,783	10,737	11,717	133
PutnamSt. JohnsSt. Lucie	666 1,397 1,803	704 1,533 2,014	751 1,666 2,154	8.7	10,716 17,920 13,166	11,048 18,893 13,974	19,644	58 9 33	HarrisHart	270 236 269	282 257 291	294 275 302	4.1 7.0 4.0		12,983 14,513 14,788	15,416	29
Santa Rosa	960 5,722 4,351	1,031 6,552	1,120 6,990	8.7 6.7	12,641 21,721	13,048 24,181	13,565	39	Heard	84 881	90 982	302 97 1,071	9.1	10,286 16,324	10,704 17,308	11,132 18,007	148
Seminole	4,351 334	4,793 367	5,210 389	8.7 6.1	16,432 11,101	17,296	17,885 12,228	13 50	Houston	1,224 99 390	1,327 98	1,405 102	5.9 4.1	13,937 11,423	14,970	15,717 11,761	132
SuwanneeTaylor	284 211	310 227	326 241	6.1	10,955 12,482	13,347	14,035	34	Jackson Jasper Jeff Davis	109 146	438 116 158	462 124 170	5.5 6.8 7.4	13,395 13,301 12,183	13,855	14,564	50
Union Volusia	92 5,036	97 5,494	101 5,861	3.5 6.7	8,991 14,494	9,538 15,266	9,830 15,648	26	Jefferson	199	208 94	221	6.3	11,210	11,851	12,741	106
Wakulla Walton Washington	156 271 168	172 296 178	187 324 193	8.7 9.6 8.1	11,434 10,171 10,365	10,867	11,588	56	Jenkins	90 95 252	96 267	96 99 282	2.6 5.4	10,844 11,208 12,527	11,495 13,046	11,890	128 78
Georgia	97,189	104,007	110,860	6.6	15,385	16,223	17,045		Lamar Lanier	164 63	174 68 572	185 72	6.0 6.2	12,788 11,261 12,704	13,454 12,174	14,118 12,979	62 93
Metropolitan portion Nonmetropolitan portion	69,588 27,601	74,341 29,666	79,507 31,353	6.9 5.7	17,050 12,346		18,784 13,805		Laurens	501 188 475	199 515	566 209 546	5.0 6.2	12,130 9,382	12,484 9,924	12,755 10,296	105 157
Appling	188 74	198 80	204 84	3.1 4.5	11,934 11,801	12,569	13,507	94 79	Lincoln	81	87	93	7.3	11,025	11,700	12,467	115
Bacon Baker Baldwin	112 47 496	119 47 540	47	3	11,718 12,928 12,702	12,889	12,891	108 97 48	Long Lowndes Lumpkin	48 930 176	1,012 198	50 1,078 211	6.5	7,800 12,326 12,723	7,937 13,352 13,874		60
Banks Barrow	125 381	138 415	144 428	4.5 3.3	12,457 13,379	13,516 14,215	13,906 14,322	67 57	McDuffie	238 93	253 100	275 108	8.4 8.0	11,847 11,216	12,600 11,787	13,643 12,467	73
Ben Hill	673 192 165	741 207 169	789 219	6.6 5.6	12,698 11,708 11,750	12,688	13,477	81	Macon	145 242 61	263 64	164 276 63	5.1	10,785 11,865 10,822	12,658	13,057	90
Berrien	2,319			l	15,382		l	Į.	Meriwether Miller	232 75	243 78	263	8.2	10,522 10,544 11,666	10,944	11,713	134
Saa footpates at and of table					•												

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	. ==.	Total persor				apita pe		_	reisonal income by cou		Total persor	nal income		Per c	apita per	rsonal inc	come ³
Area name		ions of doll		Percent change 2		Dollars		Rank in State	Area name		ions of doll		Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Mitchell Monroe Montgomery Morgan Murray Muscogee Newton Oconee Oglethorpe Paulding	211 223 80 181 288 2,439 580 248 113 496	223 235 84 198 307 2,599 620 272 125 530	236 247 92 210 327 2,778 664 289 134 573	5.7 5.1 9.0 5.7 6.5 6.9 7.1 6.4 7.9 8.1	10,239 13,260 11,130 14,264 11,596 13,550 14,319 14,837 11,685 12,908	10,935 13,833 11,771 15,520 11,984 14,469 15,020 15,784 12,807 13,179	14,414 12,816 16,240 12,399 15,505 15,805 16,288 13,754	19 117 28 25 18 70	Custer	55 243 83 120 131 137 160 172 158	65 274 91 139 141 155 177 195	70 286 96 155 151 166 186 212	7.4 4.6 6.2 11.3 7.4 7.0 5.2 8.8 7.8	12,843 11,580 9,054 11,151 11,137 11,790 11,488 10,662	15,590 13,006 9,900 12,854 11,925 13,361 12,835 11,960 11,758	10,416 14,109 12,715 14,249 13,510 12,760	36 19 26
Peach Pickens Pierce Pike Polk Pulaski Putnam Quitman Rabun Randolph Richmond	305 204 133 122 403 107 144 25 127 88	325 220 145 129 414 114 159 27 137 92 2,776	353 229 152 134 432 119 171 28 148 95	8.7 4.2 5.0 3.6 4.4 4.3 7.7 6.0 7.5 3.2 8.9	14,673 14,591 10,124 12,360 11,939 12,824 10,684 11,039 10,575 13,670	15,442 15,421 10,917 12,791 12,241 13,946 11,490 12,044 11,866 11,261	16,600 15,770 11,377 13,004 12,767 14,761 12,029 12,800 12,657 11,869	17 26 140 92 104 43 124 101	Jerome Kootenai Latah Lemhi Lewis Lincoln Madison Minidoka Nez Perce Oneida Owyhee Payette	198 869 357 80 58 44 202 210 467 40 89	955 401 87 68 52 237 236 518 44 101 190	191 1,047 428 95 70 57 263 256 552 45 105 204	7.8 9.7 6.7 8.9 9.8 11.0 8.6 6.4 3.7 7.2	10,443 12,815 11,933 11,498 16,239 13,226 8,934 10,798 14,151 11,775 10,830 10,664	13,896 13,276 12,585 19,201 15,720 10,241 12,188 15,560 12,738 12,156 11,672	12,602 14,924 13,919 13,706 19,902 17,288 11,027 13,198 16,268 12,428 12,359	16 22 24 3 8 43 30 12 33 38
Rockdale Schley Screven Seminole Spakting Stephens Stephens Sumter Talbot	896 40 149 104 714 277 56 367 69	970 43 161 111 758 297 58 387 73	1,053 44 166 116 805 314 61 406 79	8.6 .6 3.1 4.4 6.1 5.7 5.3 4.9 8.0	17,587 11,287 10,668 11,427 13,357 12,072 9,760 12,107 10,654	18,384 12,167 11,562 12,226 14,028 12,854 10,198 12,776 11,281	19,294 12,176 12,000 12,863 14,733 13,487 10,782 13,434 12,121	7 122 125 98 45 80 152 82 123	Power Shoshone Teton Twin Falls Valley Washington Illinois Metropolitan portion	108 163 35 697 87 93 204,610 177,202	124 178 43 785 97 107 220,607 191,084	204 141 192 47 843 107 112 233,824 202,963	13.5 7.7 8.1 7.4 10.2 5.3 6.0 6.2	15,457 10,937 10,559 13,171 14,410 10,998 17,961 18,850	17,715 12,449 12,715 14,783 15,991 12,581 19,335 20,274	19,818 13,875 13,461 15,680 17,443 13,075 20,433 21,448	27 15 7 32
Talialerro Tathall Taylor Telfair Terrell Thomas Tif Toombs Towns Treutlen Troup	27 208 87 117 106 522 455 306 71 56	28 226 94 126 110 547 495 328 77 60	30 241 99 131 116 577 532 354 84 63	8.6 6.7 5.3 4.5 4.9 5.6 7.5 8.8 5.8	13,844 11,755 11,266 10,473 9,728 13,498 13,102 12,776 10,901 9,458 13,292	14,336 12,743 12,277 11,365 10,281 14,062 14,197 13,655 11,586 10,003	13,579 13,045 11,961 10,911 14,786 15,195 14,709 12,368 10,556	126 150 42 33 46 118	Adams Adams Alexander Bond Bone Brown Bureau Calhoun Carroll Cass Champaign	991 112 213 498 70 539 71 239 168 2,583	29,523 1,045 120 230 530 77 574 78 250 189 2,763	30,861 1,104 125 238 536 81 596 82 251 203 2,938	5.6 3.8 3.6 1.0 4.8 3.8 5.1 3.6 6.3	13,763 14,849 10,457 14,091 16,473 12,235 14,918 13,203 14,023 12,291 15,014	14,877 15,756 11,265 15,291 17,365 13,318 16,010 14,566 14,815 13,972 16,017	15,583 16,715 11,759 15,895 17,330 13,808 16,718 15,371 14,974 15,157 16,957	37 99 55 25 90 36 65 75 72 33
Tumer Twiggs Union Upson Walker Walton Ware Waren Washington	97 101 123 310 679 470 431 62 251	98 104 131 329 719 500 459 64 268	101 111 140 348 768 530 488 69 281	3.6 6.4 6.6 5.5 6.8 6.1 6.4 7.2 4.7	10,884 10,180 10,676 11,806 11,769 12,683 11,994 10,157 13,105	11,100 10,573 11,112 12,527 12,381 13,170 12,854 10,516 14,018	11,648 11,328 11,595 13,214 13,149 13,659 13,784 11,270 14,706	136 143 138 88 89 72 68 144	Christian Clark Clay Clinton Coles Cook Crawford Cumberland De Kalb De Witt	505 197 189 507 684 97,564 287 123 1,125 259	555 221 210 549 742 104,803 297 137 1,221 281	590, 232, 220, 577, 786, 110,928, 313, 145, 1,286, 299	6548 6548 5555 5555 6555 6555 6555 6555	14,611 12,272 13,035 15,065 13,265 19,034 14,569 11,555 14,683 15,541	16,099 13,832 14,463 16,247 14,387 20,501 15,154 12,879 15,780 16,960	17,155 14,594 15,182 16,981 15,209 21,729 16,086 13,549	29 83 70 32 68 4 50 91 43 17
Webster Wheeler White Whitfield Wicox Wilkes Wikinson Worth Hawaii Metropolitan portion	29 49 168 1,127 83 140 130 206 18,375 14,685	31 52 184 1,226 89 148 140 214 20,424	32 54 197 1,297 93 159 147 225 22,668 17,881	3.2 3.3 7.2 5.8 4.6 6.9 5.4 4.9	12,765 9,741 13,543 15,760 11,724 13,026 12,618 10,555 17,014 17,890	13,432 10,521 14,439 17,010 12,599 13,932 13,612 10,891 18,659 19,561	13,936 10,989 15,078 17,860 13,296 14,992 14,380 11,351 20,361 21,307	66 149 36 10 87 39 55 142	Douglas Du Page Edgar Edwards Effingham Fayette Ford Franklin Fulton Gallatin	243 17,894 266 100 472 238 226 513 480 87	267 19,451 294 110 528 261 237 540 521 98	284 21,043 304 115 556 270 246 560 541 107	6.3 8.2 3.5 4.4 5.4 3.6 3.8 3.7 3.8 8.8	12,519 23,690 13,345 13,217 15,069 11,351 15,707 12,554 12,500 12,365	13,752 25,256 14,915 14,626 16,738 12,460 16,528 13,320 13,651	14,587 26,772 15,551 15,440 17,510 12,931 17,205 13,897 14,227	84 2 61 63 24 97
Nonmetropolitan portion Hawaii	3,689 1,553 14,685 709 1,427 12,764 3,226 9,538	4,218 1,770 16,206 805 1,643 14,196 3,565 10,631	4,788 2,027 17,881 884 1,877 15,423 3,896 11,527	13.5 14.5 10.3 9.9 14.2 8.6 9.3 8.4	14,239 13,462 17,890 14,530 15,032 12,948 16,373 12,092	15,852 14,999 19,561 16,067 16,771 14,276 17,709 13,404	16,728 21,307 17,140 18,504 15,250 18,766 14,337	4 1 3 2	Greene Grundy Hamilton Hancock Hardin Henderson Henry Iroquois Jackson Jasper	182 560 98 291 52 110 736 423 711 142	198 605 109 308 56 115 780 470 761	205 635 114 315 59 121 814 475 790 167	3.6 5.0 4.9 2.1 5.0 4.8 4.3 1.1 3.8 5.1	11,851 17,598 11,387 13,354 9,989 13,413 14,081 13,609 11,615 13,284	12,902 18,843 12,743 14,312 10,879 14,139 15,110 15,207 12,453 14,967	13,447 14,749 11,420 14,902	94 9 93 82 100 78 53 64 97 56
Ada Adams Bannock Bear Lake Benewah Bingham Blaine Boise Bonner Bonneville	3,226 42 761 66 103 413 232 36 296 968	3,565 46 817 70 106 464 275 38 317 1,079	3,896 48 885 73 111 512 317 41 343 1,204	9.3 3.8 8.2 4.6 4.7 10.5 15.3 7.1 8.1 11.5	16,373 12,800 11,677 10,500 12,874 11,161 18,118 10,596 11,313 13,869	17,709 14,225 12,489 11,274 13,312 12,473 20,853 10,982 12,055 15,218	14,680 13,353 11,992 13,927 13,584 23,183 11,466 12,842	17 29 40 21 25 2 42 34	Jefferson Jersey Jo Daviess Johnson Kane Kendall Knox Lake La Salle	537 269 332 100 5,900 1,366 707 782 12,170 1,545	573 293 347 108 6,522 1,457 774 844 13,182 1,657	605 312 363 115 6,914 1,567 798 879 14,211	5.6 6.4 4.6 6.3 6.0 7.6 3.0 4.2 7.8 4.0	14,445 13,260 15,058 8,936 19,080 14,136 18,345 13,726 24,316 14,370	9,579 20,781 15,111 19,842 14,903 25,879	16,654 10,076 21,684 16,283 20,162 15,608	44 73 40 102 5 46 7 60 1
Boundary	82 38 13 995 101 237 17	90 43 13 1,112 109 279 19 117	96 46 14 1,190 120 309 20 122	7.0 7.4 4.7 7.0 9.3 10.7 7.3 4.8	10,193 12,687 17,216 11,277 13,898 12,225 22,694 12,469	11,013 14,554 18,292 12,495 15,481 14,388 24,976 13,669	15,727 19,331 13,150 17,261 15,774 26,346	9 13 1	Lawrence Lee Livingston Logan McDonough McHenry McLean	224 527 587 449 395 3,385 2,033	239 555 632 481 437 3,775 2,298	253 575 657 501 461 4,033 2,468	6.0 3.6 4.0 4.0 5.5 6.8	13,686 15,284 14,910 14,593 11,158 19,310	14,799 16,127 16,067 15,633 12,385	15,902 16,706 16,711 16,247 13,083 21,855	54 39 38 47 96 3

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

	1	Fotal persor	nal income		Per c	apita per	rsonal in	come ³		Т	otal person	al income		Per c	apita per	sonal inc	come ³
Area name	Mill	ions of doll	ars	Percent change 2		Dollars		Rank in State	Area name	Milli	ons of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Macon	1,873 655 3,997 557	2,006 720 4,274 595 211	2,107 762 4,487 621 218	5.0 5.9 5.0 4.3	15,641 13,705 16,112 13,312 14,801	16,963 15,085 17,190 14,285 16,381	15,981 17,980	19 52 21 77 34	Johnson Knox Kosciusko Lagrange Lake	1,431 514 1,008 343 6,829	1,541 556 1,126 378 7,380	1,660 577 1,181 394 7,759	7.7 3.7 4.8 4.2 5.1	16,725 12,745 15,803 11,985 14,239	17,702 13,870 17,413 13,000 15,456	18,754 14,473 18,018 13,317 16,327	67 12 80 28
Mason Massac Menard Mercer Monroe Montgomery	192 221 170 172 242 394 410	243 184 186 258 436 446	249 195 196 270 466 466 628 214	2.9 2.3 5.9 5.4 4.7 6.8 4.6 6.2	13,308 11,550 15,345 13,810 18,074 13,251	14,843 12,519 16,625 14,839 19,700 14,472	15,341 13,228 17,547 15,641 20,679 15,179	67 95 23 59 6 71	La Porte Lawrence Madison Marion Marshall Martin	1,569 560 1,889 13,130 580	1,701 600 2,035 14,396 625	1,785 627 2,093 15,297 655	4.9 4.4 2.8 6.3 4.7	14,704 13,209 14,402 16,679 13,968 11,565	15,903 14,069 15,544 18,151 14,924 12,430	13.086	63 35 3 47
Morgan Moultrie Ogle Peoria Perry Piatt Pike Pope	537 190 691 2,947 283 247 215 40	591 205 725 3,175 300 273 239 44 94	737 3,352 318 284 251 46	4.6 1.6 5.6	14,706 13,567 15,158 16,001 13,135 15,794 12,135 9,002	16,219 14,656 15,844 17,321 13,965 17,494 13,573 10,106	15,363 16,010 18,342 14,864 18,259 14,306 10,414	51 14 79 16 86	Miami Monroe Montgomery Morgan Newton Noble Ohio Orange	476 1,340 520 771 182 503 65 216	512 1,460 576 813 198 537 67 230 218	528 1,560 620 868 204 563 72 238	3.5 4.8 7.0	12,811 12,585 15,136 14,154 13,343 13,571 12,391 11,751	13,832 13,530 16,732 14,692 14,540 14,310 12,763 12,473	14,266 17,988 15,452 15,098 14,805 13,510 12,905	71 13 48 54 62 77 87
Pulaski Putnam Randolph Richland Rock Island St. Clair Saline	81 93 457 224 2,311 3,840 386	94 100 493 249 2,484 4,060 411	101 105 518 260 2,643 4,257 438	4.8 6.4	10,590 16,032 13,260 13,289 15,204 14,589 14,337	12,396 17,335 14,288 14,892 16,550 15,443 15,380	18,318 14,957 15,776 17,818 16,190	15 76 57 22 48	Parke Perry Pike Porter Posey Pulaski	198 200 228 167 1,940 369 179	215 240 180 2,146 395 201	232 229 251 189 2,272 405 214	6.3 6.2 4.9 5.2 5.8 2.6 6.5	11,754 12,882 11,955 13,145 15,329 14,349 14,107	12,753 13,930 12,565 14,273 16,775 15,271 15,917	13,349 14,866 13,149 15,124 17,566 15,587 16,963	61 83 53 16 44
Sangamon Schulger Scott Shelby Stark Stephenson	3,082 92 80 307 94 789	3,274 105 91 334 107 844	3,501 107 94 350 111 871	2.4 3.1 4.9 3.7 3.2	17,364 12,104 14,123 13,681 14,143 16,364	18,401 13,916 16,068 14,951 16,279 17,541	19,601 14,318 16,615 15,734 17,060 18,122	8 85 41 58 31 18	Putnam Randolph Ripley Rush St. Joseph	382 330 344 244 3,831	414 351 366 270 4,074	435 359 385 282 4,261	5.0 2.2 5.2 4.2 4.6	12,695 12,039 14,009 13,345 15,688	13,705 12,885 14,890 14,841 16,568	14,326 13,244 15,648 15,551 17,211	69 81 81 42 46 18
Tazewell Union Vermilion Wabash Warren Washington Wayne White Whiteside	1,947 221 1,201 198 274 230 237 239 901	2,101 240 1,273 212 280 265 254 262 935	2,228 252 1,307 225 290 284 262 277 982	4.8 2.7 6.1 3.3 7.1 2.9 5.7	15,680 12,505 13,466 14,950 13,969 15,453 13,605 14,143 14,803	14,486 17,762 14,682 15,717	14,293 14,820 17,200 15,130 18,954 15,194 16,791	87 80 28 74 11 69 35	Scott Shelby Spencer Starke Stetuben Sullivan Switzerland Tippecanoe Tipton	233 585 252 243 440 253 72 1,754 263	242 629 276 265 469 276 79 1,931 281	255 678 285 275 493 285 83 2,075 292		11,305 14,710 12,973 10,921 16,562 13,069 9,446 13,661 16,358	11,616 15,686 14,179 11,746 17,330 14,418 10,236 14,893 17,462	16,781 14,590 12,062 17,859 15,040 10,692	22 64 90 14 55 92 92 7
Williamson Winnebago Woodford Indiana Metropolitan portion Nommetropolitan portion	5,819 772 4,154 491 82,315 58,753 23,562	6,361 808 4,412 532 89,062 63,505 25,557	6,738 856 4,654 560 93,978 67,163 26,815	5.9 5.9 5.5 5.3 5.5 5.8	16,647 13,430 16,507 15,151 14,987 15,653 13,549	14,035 17,488 16,341 16,124 16,805	14,812 18,376 17,129 16,921 17,658	81 13 30	Union Vanderburgh Vermillion Vigo Wabash Warren Warrick Wane Wayne Wayne	88 2,638 216 1,391 475 106 715 265 983 374	96 2,807 231 1,517 516 122 770 284 1,059	98 2,988 242 1,594 541 129 819 298	2.4 6.5 4.7 5.1 4.9 5.8 6.3 5.2 4.1	12,634 15,997 12,750 13,009 13,624 12,768 16,187 11,447 13,665	13,715 17,005 13,745 14,243 14,740 14,840 17,263 12,080 14,724	18,093 14,467 15,036 15,421 15,806 18,179	3 11 68 56 56 50 39 9 9
Adams	407 5,127 975 130 188 737	440 5,529 1,047 150 205 791	454 5,769 1,097 160 211 841	4.8	13,373 17,326 15,367 13,721 13,115 19,560		19,123 17,214 16,910 15,023	17 17 21 57	White *** White ** Whitley	311 399 41,170	402 357 431 45,179	1,103 422 376 451 48,10 1	5.5 4.6 6.5	14,884 13,481 14,735 14,869	15,698 15,375 15,737 16,307	16,177 16,155 16,270 17,301	7 33 5 34 31
Brown Carroll Cass Clark Clay	160 271 553 1,233	172 299 602 1,290	185 314 627 1,371	7.5 4.7 4.2 6.3	11,709 14,449 14,385 14,099	12,385 15,931 15,661 14,719 13,555	13,075 16,657 16,323 15,607	86 24 30 43 74	Metropolitan portion Nonmetropolitan portion Adair Adams Allamakee	19,294 21,876 113 67 176 176	21,053 24,126 129 74 199 192	22,528 25,573 134 81 212 204	7.0 6.0 3.7 9.1 6.3 6.4		15,510	15,283	63 63 79 84 85
Clinton Crawford Daviess Dearborn Decatur De Kalb Delaware Dubois	435 102 340 527 328 497 1,652 594	1,767 645	114 390 594 377 556 1,877 688	4.2 5.3 5.4 4.6 6.3 6.7	14,179 10,303 12,387 13,912 14,036 14,441 13,731 16,513	10,922 13,595 14,688 15,176 15,206 14,728 17,727	11,533 14,150 15,242 15,900 15,662 15,697 18,732	91 75 52 36 41 40 8	Appanose Audubon Benton Black Hawk Boone Bremer Buchanan	100 314 1,742 348 314 264	109 357 1,917 394 353 297	114 384 2,058 402 380 324	4.9 7.6 7.4 2.1 7.7 9.1	13,304 14,089 13,944 13,893 13,636 12,611	14,761 15,995 15,438 15,694 15,436 14,236	15,639 17,111 16,632 15,952 16,667 15,529	78 26 42 42 61 7 38 83
Elkhart Fayette Floyd Fountain Franklin Fulton Gibson Grant Greene	2,374 352 965 227 248 248 467 1,031 362	2,548 375 1,042 252 267 266 498 1,113 389	388 1,109 265 285 281 517 1,171	3.6 6.4 5.2 6.6 5.7 3.9 5.2 4.7	15,659 13,405 15,267 12,657 12,737 13,226 14,547 13,739 12,400	14,352 16,304 14,100 13,659 14,123 15,546 14,921 12,849	14,950 17,161 14,906 14,533 14,904 16,209 15,806 13,389	58 19 5 59 6 66 6 60 32 38 38 78	Buena Vista Butler Calhoun Carroll Cass Cedar Cerro Gordo Cherokee Chickasaw Clarke	209 202 170 321 226 264 700 200 183 109	226 179 350 255 289 743 208 205 124	322 245 182 362 264 308 811 221 219	2.0 3.2 3.5 6.8 9.2 6.0 6.7	14,471 12,707 14,599 14,968 14,715 15,069 14,971 13,918 13,489 13,308	16,363 16,758 16,577 15,908 14,662 15,314	15,617 15,841 16,864 17,445 17,727 17,348 15,671 16,526	7 79 68 4 31 5 23 7 15 8 25 7 76 6 44
Hamilton Hancock Harrison Hendricks Henry Howard Huntington Jackson Jasper Jay Jefferson Jennings	2,386 753 372 1,264 667 1,288 518 497 349 263 334 277	2,570 803 403 1,342 719 1,385 559 544 391 288 356 297	426 1,446 749 1,431 580 584	7.5 5.7 7.8 4.1 3.3 3.7 7.4 4.9 6.2 10.0	23,408 16,765 12,660 17,047 13,696 15,706 14,815 13,293 13,932 12,221 11,299 11,890	17,729 13,576 17,873 14,863 17,026 15,858 14,471 15,652 13,389 12,007	18,900 14,199 19,036 15,577 17,741 16,324 15,452 16,441 14,224 13,141	73 5 45 15 29 48 26 72 84	Clay Clayton Clinton Crawford Dallas Davis Decatur Delaware Des Moines Dickinson Dubuque	257 237 729 225 454 97 86 226 631 234	281 271 797 234 496 106 98 249 676 262	297 289 834 244 529 116 103 283 729 281	9.6 4.6 13.6 7.9 7.1	15,817	13,904 16,798 12,662 11,697 13,806 15,866	15,167 16,345 14,564 17,716 13,935 12,331 15,693 17,100 18,815	7 87 5 48 4 93 6 16 5 97 1 99 3 74 27 5 5

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

		Total persor	nal income		Per c	apita pe	rsonal in	come ³	-	. 7	otal person	nal income		Per c	apita pe	rsonal in	come ³
Area name	Milli	ions of doll	ars	Percent change 2		Dollars		Rank in State	Area name	Mill	ons of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989 <u>-9</u> 0	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Emmet Fayette Floyd Franklin Fremont Greene Grundy Guthrie	151 272 231 157 132 154 187 149	160 303 252 173 140 174 201 167	169 325 280 184 143 171 216 172	5.8 7.3 11.2 6.2 2.2 -1.8 7.1 2.7	12,946 12,204 13,357 13,558 15,862 14,881 15,127 13,498	13,744 13,764 14,664 15,129 16,992 17,154 16,583 15,258	16,424 16,203 17,450 17,085 17,985 15,739	46 54 22 28 14 73	Cowley Crawford Decatur Dickinson Doniphan Douglas Edwards	515 490 84 270 101 993 79	553 521 89 277 108 1,096 68	569 555 103 309 114 1,163	2.9 6.4 16.0 11.8 5.8 6.1 13.2	13,965 13,541 20,160 14,130 12,080 12,598 20,380	14,987 14,547 21,813 14,545 13,107 13,597 17,725	15,414 15,642 25,816 16,334 14,110 14,136 20,340	59 98 96 14
Hamilton Hancock Hardin Harrison Henry Howard Humboldt	265 176 287 194 280 135 157	299 191 313 210 305 153 185	315 204 334 225 341 165 188	5.1 6.8 6.5 6.9 12.0 7.8 1.6	16,443 13,888 14,707 13,134 14,853 13,669 14,380	18,613 15,090 16,275 14,260 15,992 15,553 17,090	16,106 17,510 15,233 17,689 16,840 17,478	56 19 86 17 32 21	Elk Elis Elsworth Finney Ford Franklin Geary	45 364 83 455 424 292 319	50 399 89 481 437 310	49 435 100 510 477 318	-3.0 9.2 12.6 6.0 9.1 2.6	13,233 13,729 12,515 14,272 15,571 13,356 10,509	14,870 15,184 13,470 14,763 15,949 14,108	14,674 16,788 15,211 15,340 17,330 14,437	50 79 75
kda	125 217 261 544 223 1,447 236	127 231 293 606 246 1,632 267	130 255 316 634 261 1,747 287	2.5 10.1 7.7 4.7 6.1 7.0 7.6	14,790 14,824 12,930 15,768 13,830 15,645 12,199	15,155 15,823 14,625 17,480 15,214 17,278 13,759	17,409 15,843 18,191 15,986 18,057 14,752	67 10 60 12 91	Gove Graham Grant Gray Greeley Greenwood Hamilton Harper	53 51 134 95 35 114 59 117	62 53 137 88 42 119 49 124	68 58 153 99 49 122 56 134	8.1	15,699 13,652 18,885 17,728 19,484 14,163 23,869 16,060	18,770 14,476 19,119 16,390 23,565 14,937 20,205 17,211	21,328 18,228 27,390 15,616 23,426 18,835	12 31 1 69 8 23
Keokuk Kossuth Lee Linn Louisa Lucas Lyon Madison	164 266 530 2,774 161 127 154	175 292 573 3,051 178 138 181	189 300 612 3,241 193 145 187	82 2.9 6.8 6.2 8.3 5.2 3.3	13,969 14,027 13,562 16,693 13,983 13,814 12,823 14,355	14,992 15,569 14,755 18,215 15,432 15,108 15,154	16,182 15,825 19,148 16,640 15,998 15,675	41 59	Harvey Haskeil Hodgeman Jackson Jefferson Jeweil Johnson Kearny	435 90 37 157 218 58 7,930 74	455 72 31 163 233 58 8,612 73	477 74 39 172 248 70 9,355 90	4.6 3.3 23.4 5.7 6.4 20.5 8.6 23.8	23,153 16,653 13,544 13,915 12,955 23,461 18,698	14,672 18,504 14,285 14,125 14,726 13,311 24,745 18,273	15,354 19,174 17,829 14,972 15,538 16,565 26,156 22,362	73 20 35
Mahaska Marion Marshall Mills Michell Monona Monroe Montgomery	286 462 583 192 154 145 110 176	313 496 655 200 184 151 121 195	336 527 693 215 201 154 128 203	7.4 7.1 6.2 5.7 7.6 9.7 2.1 6.5 4.2	13,354 15,680 15,090 14,693 14,016 14,237 13,448 14,439	14,602 16,679 17,074 15,199 16,759 14,929 14,802 16,081	15,579 17,497 18,107 16,233 18,440 15,342 15,841 16,817	82 20 11 53 9 84 68 33	Kingman Kiowa Labette Lane Leavenworth Lincoln	118 66 344 36 809 49 106	118 62 353 42 884 49 111	132 71 363 44 929 60 114	12.3 14.1 2.8 3.8 5.1 21.8 3.5	14,026 17,404 14,249 15,152 12,997 13,053 12,899	14,110 16,836 14,770 17,671 13,914 13,234 13,403	16,009 19,556 15,346 18,482 14,366 16,395 13,860	63 18 74 28 94 57 99
Muscatine O'Brien Osceola Page Palo Alto Plymouth Pocahontas Polk	637 219 102 229 158 322 141 5,731	705 235 113 262 166 369 157 6,183	750 244 118 276 177 391 151 6,621	6.3 3.8 4.5 5.2 6.7 5.9 3.6 7.1	16,073 14,057 13,798 13,391 14,398 13,885 14,288 18,026	17,740 15,177 15,486 15,458 15,349 15,863 16,261 19,152	15,789 16,331 16,349 16,620 16,689 15,932	72 49 47 43 37 62	Logar Lyon McPherson Marion Marshall Meade Miami Mitchell	45 475 415 172 168 71 321 103	51 511 440 178 176 68 343 103	50 521 475 191 194 76 361	-2.3 1.9 8.0 7.0 9.9 12.1 5.0 22.4	14,081 13,578 15,107 13,164 13,914 16,329 13,975 13,907	16,316 14,650 16,074 13,738 14,864 15,774 14,756 14,091	15,000	84
Pottawattamie Poweshiek Ringgold Sac Scott Shelby Sioux	1,205 290 67 181 2,466 196 367	1,278 317 72 187 2,692 207 447	1,377 337 77 196 2,901 215 474	7.7 6.5 6.9 5.0 7.7 3.7 6.0	14,621 15,472 12,242 14,523 16,338 14,649 12,329	15,496 16,769 13,240 15,105 17,853 15,583 15,008	16.645 17.677 14,217 15,930 19,197 16,241 15,822	40 18 96 63 3 52 71	Montgomery Morris Morton Nemaha Neosho Ness Norton Osage	512 79 56 152 232 75 87 203	552 82 55 160 253 77 89 212	582 90 61 175 266 88 100 223	5.5 9.7 11.2 9.3 5.2 14.6 12.7 5.5	12,962 12,796 15,836 14,326 13,295 17,825 14,280 13,379	14,097 13,254 15,657 15,197 14,671 18,699 14,745 13,894	15,026 14,558 17,509 16,753 15,650 21,946 16,824 14,628	80 90 39 51 67
Story Tama Taylor Union Van Buren Wapello Warren	1,000 245 86 174 91 464 518	1,120 263 97 189 99 507	1,181 279 103 199 106 540	5.5 6.3 6.4 5.3 6.8 6.4	13,639 13,876 11,745 13,553 11,857 12,783	15,175 15,018 13,495 14,780 12,943 14,125 15,603	16,049 14,518 15,585 13,835 15,143 16,912	94 81 98 88	Osborne Ottawa Pawnee Philips Pottawatomie Pratt Rawlins	72 81 126 101 215 169 54	74 70 129 103 224 163 57	85 82 138 113 234 179 66 1,071	16.1 17.8 7.2 9.7 4.6 9.5 17.0	14,150 14,179 16,444 15,007 13,584 16,852 15,317	14,833 12,363 16,940 15,481 13,988 16,533 16,374	17,171 14,476 18,491 19,605	46 91 27 16
Washington Wayne Webster Winneshago Winneshiek Woodbury Worth Wright	268 89 573 198 261 1,426 120 236	297 99 640 206 304 1,558 136 264	329 102 663 219 332 1,655 147 265	10.7 2.8 3.6 6.5 9.3 6.2 8.3	13,853 12,319 14,035 16,335 12,523 14,642 14,740 16,249	15,237 13,913 15,798 16,960 14,589 15,930 16,941 18,362	16,444 18,054 15,909 16,804 18,481	45 13 65 34 8	Reno Republic Rice Riley Rooks Rush Russell Saline	919 103 157 786 83 56 124 810	973 101 157 838 83 58 129 864	1,071 104 175 880 92 71 139 937	10.0 3.6 11.5 5.0 10.4 23.1 8.0 8.4	14,527 15,469 14,368 11,693 13,019 13,726 15,156 16,398	15,500 15,331 14,575 12,470 13,430 14,602 16,133 17,509	13,108 15,288 18,583 17,900	56 103 78 25 34
Kansas Metropolitan portion Nonmetropolitan portion Allen	39,380 22,902 16,477	41,943 24,716 17,227	44,906 26,403 18,503	7.1 6.8 7.4	15,993 17,562 14,226	16,962 18,702 14,963	19,741 16,189 13,637	101	Saine Scott Sedgwick Seward Shawnee Sheridan	96 6,766 287 2,770 47	98 7,312 293 2,985 47	937 121 7,800 322 3,152 52	24.1	17,542 17,031 15,300 17,343 14,741	17,509 18,178 18,223 15,624 18,589 15,217	23,066 19,276	9 19 47
Anderson Alchiscon Barber Barton Bourbon Brown Butler Chase Chautauqua	103 227 100 460 215 151 776 49 53	111 239 102 474 222 163 843 51 57	112 252 108 510 220 177 881 54 60	1.0 5.6 62 7.5 8 8.6 4.5 4.1 5.5	13,012 13,235 16,087 15,016 14,075 13,431 15,715 15,784 11,698	14,124 14,010 16,885 15,838 14,718 14,571 16,822 16,859 12,736	14,403 14,922 18,504 17,441 14,769 15,895 17,351 17,768 13,627	83 26 41 85 66 42 36 102	Sherman Smith Stafford Stanton Stevens Sumner Thomas Trego Wabaursee	113 78 103 55 117 382 129 55 93	114 78 94 53 124 408 138 55 94	129 82 106 61 125 428 151 61	12.6 5.5 12.3 15.0 .7 4.9 9.0 11.3 7.0	15,835 14,844 18,511 23,330 23,275 14,828 15,334 14,308 13,952	16,306 15,047 17,329 22,489 24,644 15,820 16,599 14,588 14,231	18,687 16,211 19,857 25,996 24,718 16,561 18,276 16,588 15,307	55 30 53 77
Cherokee Cheyenne Clark Clay Cloud Coffey Comanche	257 54 46 128 149 122 38	268 54 50 131 153 130 38	272 62 58 143 175 134 41	1.6 13.9 16.7 8.4 14.5 3.1 7.8	11,909 16,082 18,643 13,816 13,177 14,215 15,827	12,474 16,363 20,452 14,260 13,728 15,336 16,346	19,082 24,236 15,596 15,970 16,001	6 70 65 64	Wallace Washington Wichita Wison Woodson Wyandotte	30 92 50 139 51 2,101	92 61 148 56 2,186	31 104 65 147 57 2,285	5 12.8 7.0 -1.1 .8 4.5	16,428 12,594 18,027 12,956 11,965, 12,769	16,919 12,816 21,850 14,134 13,415 13,396	14,693 23,575 14,327 13,810	86 7 95 100

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	1	otal persor	nal income		Per c	apita per	rsonal inc	come 3			otal person	al income		Per ca	apita per	sonal inc	ome ³
Area name	Milli	ions of doll	ars	Percent change 2		Dollars		Rank in State	Area name	MilM	ions of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Kentucky Metropolitan portion Nonmetropolitan portion Adair	47,914 26,196 21,718	51,561 28,220 23,341	55,319 30,297 25,023	7.3 7.4 7.2 9.0	13,018 15,419 10,960	14,021 16,554 11,833 10,831	l	74	Monroe Montgomery Morgan Muhlenberg Nelson	122 221 91 338 368	131 238 97 357 402	139 259 111 381 434	5.8 8.5 14.1 6.8 8.1	10,535 11,203 7,708 10,647 12,516	11,486 12,171 8,293 11,341 13,603	12,208 13,215 9,497 12,172 14,580	47 108 69
Allen Anderson Ballard Barren Bath Bell Boone Boyd Boyle	156 154 183 104 384 92 296 870 266 728	163 197 117 418 98 316 964 271 786	170 212 123 446 109 337 1,061 285 860	4.2 7.6 5.1 6.6 10.5 6.8	10,540 12,850 12,997 11,397 9,463 9,213 15,862 13,782 14,033	11,185 13,699 14,737 12,377 10,156 9,972 17,111 14,078 15,296	11,633 14,500 15,565 13,083 11,223 10,728 18,275 14,797	77 28 18 52 86 91	Nicholas Ohio Oldham Owen Owsley Pendleton Perry Pike Poweli	77 214 533 89 38 125 353 809 103	82 225 613 96 39 136 370 861 108	90 241 687 105 43 146 410 948 116	9.6 6.7 12.0 9.9 9.8 7.3 10.8 10.1 7.4	11,335 10,047 16,912 9,898 7,317 10,649 11,348 10,784 8,857	12,176 10,657 18,887 10,645 7,692 11,478 12,086 11,711 9,260	13,363 11,400 20,466 11,649 8,551 12,089 13,563 13,109 9,883	42 82 2 76 115 71 40 51 105
Bracken Breathit Breckinndge Builit Butler Caldwell Calloway Campbell Carlisle	79 142 179 578 108 146 380 1,171 59	345 82 150 188 621 123 154 411 1,254 64	87 165 202 670 128 162 434 1,346 66	7.1 9.7 7.2 7.8 3.7 5.1 5.7	12,596 10,254 8,873 10,919 12,400 9,668 10,998 12,724 14,064 11,066	10,543 9,520 11,560 13,201 11,013 11,637 13,552 15,030 12,176	11,226 10,531 12,384 14,030 11,370 12,228 14,046 16,017 12,623	85 94 65 35 84 67 34 15 61	Pulaski Robertson Rockcastle Rowan Russell Scott Shelby Simpson Spencer Taylor	552 18 131 182 153 340 358 183 71 247	594 20 139 196 171 384 393 197 79 265 124	642 21 157 212 188 431 426 201 88 280 126	7.4 12.7 8.4 9.9 12.4 8.4 1.9	11,199 8,535 8,877 9,068 10,524 14,593 14,735 12,119 10,778 11,741	9,259 9,458 9,710 11,699 16,282 16,020 13,044 11,794 12,588	9,961 10,600 10,397 12,726 17,997 17,104 13,240 12,844 13,236	101 92 96 59 6 8 45 58
Carter Casey Christian Clark Clay Clinion Cittenden Cumberland Daviess Edmonson	218 122 710 399 173 72 88 59 1,175	233 133 753 404 182 76 97 62 1,298	252 145 788 436 189 81 103 67 1,382	8.4 9.6 4.7 7.8 3.7 7.1 5.8 8.1	8,879 8,469 10,383 13,687 7,818 7,778 9,560 8,524 13,534 6,749	9,553 9,289 10,971 13,802 8,338 8,240 10,569 9,035 14,944 7,323	10,370 10,241 11,399 14,739 8,693 8,875 11,157 9,900 15,822	97 99 83 23 114 111 87 104	Trigg Trimble Union Warren Washington Wayne Webster Whitley Wolfe	112 74 222 975 115 142 203 355 52	124 133 84 236 1,062 125 155 220 381 54	126 137 86 245 1,131 137 167 235 413	3.2 2.7 3.9 6.5 9.3 7.2 7.0 8.4	10,164 11,921 12,126 13,199 12,637 11,128 8,151 14,202 10,577 7,970	11,322 12,907 13,759 14,194 13,835 12,030 8,929 15,617 11,416 8,326	11,536 13,189 14,087 14,824 14,747 13,053 9,527 16,883 12,390 8,991	48 33 20 22 54 107 12 64
Elliott Estill Fayette Fleming Floyd Franklin Fulton Gallatin	44 129 3,665 125 468 653 104	47 135 4,042 133 502 690 112 68	51 147 4,378 142 546 745	8.5 9.2 8.3 6.5 8.7 7.9 3.6	6,843 8,804 16,763 10,156 10,376 15,036 12,419 11,399	7,264 9,225 18,198 10,826 11,380 15,852 13,535 12,759	7,880 10,053 19,320 11,511 12,571 16,977 14,100	119 100 3 80 62 9 32	Woodford Louisiana Metropolitan portion Nonmetropolitan portion Acadia Alien	54,093 40,746 13,347 551 183	458 56,727 42,987 13,740 569 192	471 61,178 46,330 14,849 612 207	2.9 7.8 7.8	21,719 12,611 13,686 10,171 9,671 8,464	23,259 13,338 14,546 10,588 10,087 8,947	23,493 14,528 15,814	50
Garrard Grant	132 173 433 204 105 476 103 1,061 370	143 190 466 215 116 483 109 1,131 394	75 155 204 482 228 126 514 115 1,193 423	7.8 3.4 6.4 8.2 6.4 5.4 5.5 7.4	11,453 11,355 13,023 9,762 10,078 12,847 13,073 11,267 9,700	12,383 12,254 13,972 10,244 11,203 13,121 13,832 12,391 10,585	13,328 12,915 14,335 10,824 12,137 14,002 14,569 13,459 11,610	43 56 29 90 70 36 26 41 78	Ascension Assumption Avoyelles Beauregard Bienville Bossier Caddo Calcasieu Caldwell	676 217 344 340 172 1,088 3,616 2,162	716 237 348 341 181 1,123 3,807 2,275	782 259 393 372 193 1,206 4,046 2,514	9.3 9.6 12.9 9.3 6.7 7.4 6.3 10.5	11,677 9,420 8,565 11,151 10,570 12,503 14,289 12,756	12,309 10,332 8,798 11,240 11,210 12,976 15,197 13,475	13,425 11,426 10,079 12,398 12,081 14,023 16,337 14,968	16 42 57 26 34 12 6 8
Harrison Hart Henderson Henry Hickman Hopkins Jackson Jefterson Jessamine	183 143 610 155 64 688 87 11,178 407	430	472	7.6 7.1 2.4 6.6 7.6 6.6 9.7	11,403 9,392 14,297 12,106 11,152 14,901 7,281 16,742 13,791	15,055 12,883 12,625 15,925 7,804 17,961 14,312	10,985 16,075 13,744 13,072 16,934 8,391 19,140 15,381	88 14 38 53 11 116 4 19	Cameron Catahoula Claiborne Concordia De Soto East Baton Rouge East Carrol East Feliciana Evangeine	105 115 182 234 239 5,726 105 211 324		117 111 194 259 298 6,788 105 233 372	4.9 8.8 5.7 10.4 11.7	11,079 10,005 10,186 10,779 10,747 14,907 10,431 10,839 9,545	9,906	10,113 11,190 12,516 11,801 17,881 10,876 12,156 11,197	56 47 24 36 1 51 32 46
Johnson Kenton Knot Knox Larue Laurel Lewrence Lee Leslie	243 2,093 148 257 139 468 120 56 112	259 2,244 151 273 151 497 127 61	285 2,412 164 295 160 526 137 65	7.5 8.6 8.1 6.4 6.0 7.4 7.6	14,936 8,178 8,649 11,797 11,005 8,613 7,371 8,070	9,212 12,868 11,554 9,115 8,085 8,872	9,941 13,727 12,069 9,755 8,788 9,929	10 109 109 102 39 72 106 113 103	Franklin Grant beria beria beria Jackson Jefferson Davis Lafayette Lafourche La Salle	191 157 724 356 173 6,842 318 2,373 983 149	7,168 323 2,512 1,020	217 178 839 398 189 7,650 342 2,775 1,105	7.6 8.8 10.6 5.9 6.7 5.7 10.5 8.3	8,321 8,917 10,481 11,191 10,672 15,007 10,078 14,223 11,333 10,308	8,742 9,443 11,232 11,453 11,210 15,863 10,405 15,153 11,818 10,628	10,186 12,301 12,861 12,106 17,101 11,163 16,868 12,889	54 29 20 33 3 3 48 4 49
Letcher Lewis Lincoln Livingston Logan Lyon McCracken McCreary	249 119 180 103 283 66 944 102	268 125 191; 109 308 72 1,028	293 137 207 117 321 78	9.3 9.2 8.5 7.6 4.2 8.6 7.0	8,992 8,985 9,095 11,297 11,519 10,085 15,121 6,481	9,835 9,541 9,589 12,002 12,606 10,878 16,421 6,923	10,892 10,513 10,316 12,897 13,134 11,721 17,450 7,663	89 95 98 57 57 50 75 7 120	Lincoln Livingstor Madison Morehouse Natchitoches Orleans Ouachita Plaquemines	457 705 114 352 362 7,382 1,752 336	109 365 372 7,709 1,842 351	531 792 114 393 392 8,197 1,970	8.9 4.1 7.5 5.3 6.3 7.0 7.7	10,912 10,051 8,612 10,624 9,634 14,317 12,235 12,942	11,755 10,321 8,543 11,256 10,027 15,257 12,903 13,606	12,713 11,214 9,209 12,353 10,715 16,578 13,869 14,786	45 63 28 53 53 14 9
McLean Magorin Magorin Marion Marshall Marin Marin Marin Marion	117 631 99 172 345 135	126 677 105 190 383 142	120 128 732 115 204 399 151	7.7 4.1 6.1	12,060 11,262 7,463 10,232 12,961 10,431 12,113	13,023 11,916 7,971 11,430 14,234 11,175	13,301 12,672 8,843 12,407 14,597 12,062	44 60 112 63 7 24 73	Pointe Coupee Rapides Red River Richland Sabine St. Bernard St. Charles	241 1,665 99 225 236 843	242 1,770 98 237 247 864	274 1,919 104 251 263 915	13.4 8.4 6.7 5.7 6.4 5.9	10,410 12,466 10,252 10,597 10,086 12,573	10,593 13,356 10,267 11,343 10,737 12,920	12,214 14,615 11,141 12,202 11,662 13,734	30 5 11 49 2 31 2 40 1 15 7 7
Meason Meade Menifee Mercer Metcalfe	235 35 255 83	256 38 280 88	305	10.5 9.0	9,954 6,860 13,515 9,272	10,702 7,442 14,725	11,427 8,206 15,892	81 117 16	St. Helena St. James St. James St. John the Baptist St. Landry	603 79 261 471 803	282 491	687 87 308 535 901	8 9.1	7,900 12,261 11,884	8,036 13,401 12,300	14,777 14,777 13,347 11,261	64 10 17

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

· · · · · · · · · · · · · · · · · · ·		Total person		Svilai		apita per			Personal income by Cour		otal persor			Dor -	apita per	ennal in	
Area name		ions of dolla		Percent	reic	Dollars	SUNAI III	Rank in	Area name		ons of dolla		Percent	reit	Dollars	SONA! III	Rank in
,	1988	1989	1990	change ²	1988	1989	1990	State 1990	7,102,112,110	1988	1989	1990	change ² 1989–90	1988	1989	1990	State 1990
St. Martin St. Mary St. Tammany Tangipahoa Tensas Terrebonne Union	403 632 2,156 893 84 1,070	426 665 2,297 929 74 1,127 242	475 718 2,482 1,002 85 1,223	11.5 7.9 8.1 7.9 14.3 8.4 5.8	9,084 10,418 15,189 10,324 11,319 10,845 11,053	9,636 11,230 16,005 10,786 10,247 11,532 11,561		52 25 2 39 35 22 26	Allegan Alpena Antrim Arenac Baraga Barry Bay Benzie	1,265 403 221 177 89 716 1,657	1,377 423 246 193 95 776 1,748	1,465 450 264 205 102 829 1,844	6.9 6.8 5.5	14,361 13,213 12,550 12,079 11,213 14,672 14,791 12,134	15,402 13,868 13,716 13,015 11,954 15,684 15,645 12,810	16,107 14,691 14,428 13,681 12,765 16,477 16,499 13,402	55 69 24 23
Vermillon Vernon Washington Webster West Baton Rouge West Carroll West Feliciana	234 524 550 456 503 230 102 119 150	556 560 461 517 245 103 115 153	1,223 256 589 596 490 550 271 116 126 165	10.3	10,300 8,976 10,351 11,726 11,627 8,258 9,175 9,083	11,024 9,080 10,564 12,204 12,524 8,427 8,858 9,350	11,792 9,603 11,383 13,134 13,962 9,585 9,793	37 61 43 18 13 62 58	Berrien Branch Calhoun Cass Charlevoix Cheboygan Chippewa	2,361 499 1,939 692 290 246 322 268	2,500 534 2,056 747 311 267	2,623 558 2,171 775 342 283 378 307	4.9 4.5 5.6 3.7	14,667 12,197 14,326 14,161 13,913 11,720 9,682 10,965	15,522 12,953 15,166 15,189 14,694 12,581 10,252 11,593 15,452	16,232 13,403 15,944 15,619 15,865 13,157 10,864 12,269	26 59 29 33 30 64 81
Winn Maine Metropolitan portion Monmetropolitan portion	18,311 7,993 10,318	20,075 8,739 11,335	21,156 9,196 11,960	5.4 5.2	15,208 16,488 14,345	16,455 17,780 15,561	10,172 17,183 18,526 16,277		Clare Clinton Crawford Delta Dickinson	811 108 469 399	286 886 116 506 452	927 128 546 500	4.7 10.0 8.0	14,306 9,326 12,386 14,941	15,452 9,710 13,389 16,887	15,953 10,304 14,451 18,605	28 83 44
Androscoggin	1,507 1,049 4,486 382 738 1,717 534 506 687	1,633 1,143 4,937 420 821 1,895 598 561 747	1,704 1,200 5,211 436 877 1,990 631 594		14,530 11,943 18,917 13,275 16,145 15,080 14,951 17,198 13,297	15,584 13,064 20,485 14,504 17,657 16,446 16,548 18,680 14,283	17,325 19,467 14,907	8 12 1 10 4 7 6 2	Eaton Emmet Genesse Gladwin Gogebic Grand Traverse Grabot Hillsdale	1,440 378 6,588 242 208 938 503 559	1,536 430 6,945 261 219 1,021 534 609	1,656 469 7,247 279 234 1,088 570 645	7.8 9.0 4.3 7.0 7.0 6.6 6.7 5.8	15,782 15,459 15,254 11,340 11,356 15,214 12,922 13,043	16,685 17,366 16,126 12,077 12,046 16,179 13,718 14,127	17,764 18,655 16,829 12,698 12,986 16,808 14,599 14,810	13 7 21 70 67 22 41 37
Penobscot Piscataquis Sagadahoc Somerset Waldo Washington York Maryland	1,999 227 533 566 367 414 2,598	2,169 242 592 625 409 451 2,831	2,281 258 631 684 435 479 2,960	5.2 6.6 6.6 9.4 6.2 6.1 4.6	13,897 12,378 16,322 11,581 11,464 11,868 16,288 19,507	14,885 13,028 17,824 12,630 12,541 12,830 17,396 20,856	13,793 18,759 13,706 13,111 13,549	14 16 15 5	Houghton Huron Ingham Ionia Iosco Iron Isabella Jackson Kallamazoo Kalkaska	402 541 4,412 644 348 162 677 2,114 3,602 128	424 615 4,707 693 376 177 740 2,262 3,917	461 623 4,930 732 400 192 786 2,365 4,096 148	5.6 6.2 8.8 6.1 4.6 4.6	11,126 15,445 15,754 11,589 11,628 12,098 12,475 14,309 16,313 9,908	11,889 17,585 16,760 12,293 12,519 13,346 13,602 15,208 17,637 10,173	13,021 17,805 17,458 12,777 13,195 14,615 14,360 15,750 18,288 10,862	17 68 63 40 47 32
Metropolitan portion	85,805 5,072 968	93,108 5,483	99,103 5,851	6.4 6.7 7.0	19,838 15,214 12,877	21,215 16,197	22,231 17,005	21	Kent Keweenaw	8,117 20 82	8,817 21 88	9,386 23 94	6.5 8.3	16,578 11,364 9,723	17,799 12,469 10,403	18,674 13,686	6 54
Anne Arundel Baltimore Calvert Caroline Carroli Cecil Charles Dorchester Frederick	8,545 14,237 925 340 2,330 1,130 1,666 464 2,549	9,181 15,319 1,040 365 2,549 1,252 1,827 488 2,815	9,777 16,286 1,136 384 2,733 1,345 1,970 516 3,020	6.5 6.3 9.3 5.2 7.3 7.4 7.8 5.8	20,470 20,879 19,262 13,069 19,756 16,388 17,361 15,426 17,819	21,709 22,280 20,827 13,719 21,061 17,807 18,474 16,164 19,142	22,797 23,470 21,893	5 4 7 22 6 15 12 17	Lapeer Leelanau Lenawee Livingston Luce Mackinac Macomb Manistee	1,109 246 1,357 2,112 93 125 13,324	1,237 273 1,455 2,325 98 135 14,339	1,292 294 1,502 2,464 106 147 15,051	4.5 7.4 3.2 6.0	15,292 15,421 15,060 19,107 15,939 11,886 18,820 12,442	16,780 16,822 16,024 20,513 17,007 12,757 20,122 13,342	17,194 17,655 16,373 21,153 18,394 13,740 20,924	19 14 25 3 9 52 4
Garrett Harlord Howard Kent Montgomery Prince Georges Queen Annes St. Marys Somerset	324 3,278 4,375 306 19,724 12,451 622 1,081	347 3,596 4,841 325 21,637 13,491 668 1,186	372 3,843 5,218 344 22,941 14,321 731 1,277 280	7.1 6.9 7.8 6.1 6.0 6.2 9.5 7.7	11,704 18,888 25,122 17,374 27,329 17,447 19,340 14,826 10,893	12,424 20,156 26,659 18,293 29,175 18,677 20,125 15,894	13,172 20,941 27,546 19,261 30,081 19,568 21,344 16,702	23 9 2 13 1 11 8	Marquette Mason Mecosta Merominee Midland Missaukee Morroe Monroe Montrolm Montmorency	881 317 395 302 1,302 122 2,073 637 91	925 346 431 329 1,419 135 2,213 700 97	967 369 453 351 1,498 141 2,315 727 106	4.6 6.8 5.1 6.5 5.6 5.0 4.6 4.0	12,357 12,395 10,669 12,065 17,570 10,450 15,729 12,373	13,030 13,545 11,611 13,213 18,938	13,644 14,448 12,123 14,066 19,732 11,558 17,278 13,636	56 45 73 50 5 76 18 57
Talbot Washington Wicomico Worcester Baltimore City Massachusetts Metropolitan portion	1,736 1,066 577 11,267 123,246 117,701	723 1,866 1,154 629 11,990 131,457 125,535	1,977 1,238 666 12,696 135,776 129,664	7.2 5.9 7.3 5.9 5.9 3.3	22,559 14,560 14,753 16,695 15,180 20,607 20,596	24,004 15,494 15,722 18,049 16,237 21,853 21,855	25,217 16,238 16,581 18,955 17,263 22,555 22,572	3 20 19 14 16	Muskegon Newaygo Oakland Oceana Ogemaw Ortionagon Osceola Osceola Oscoda Otsego	2,091 460 25,778 287 185 109 208 74 225 2,952	2,235 494 27,949 312 199 120 229 81 247	2,353 529 29,246 328 206 126 240 91 270	7.1 4.6 4.9 3.8 5.3 5.2 12.9 9.3	12,969 10,316 12,335 10,512 9,806 13,157	13,074 26,061 14,005 10,814 13,539 11,433 10,507 14,062	13,775 26,884 14,556 10,954 14,250 11,892 11,548 14,937	51 1 43 79 48 74 77 35
Nonmetropolitan portion Barnstable Berkshire Bristol Dukes Essex Franklin Hampden Hampehire Middlesex Nantucket	5,546 3,963 2,518 8,511 252 14,000 1,164 7,891 2,371 32,332 167	5,921 4,230 2,712 9,052 271 14,858 1,239 8,386 2,548 34,499 181	6,112 4,363 2,790 9,382 281 15,309 1,291 8,706 2,618 35,396 177	3.2 2.9 3.6 3.5 3.0 4.2 3.8 2.8 2.6	20,833 21,999 17,825 16,896 22,513 21,017 16,853 17,369 16,265 23,159 28,682	21,809 22,953 19,300 17,874 23,638 22,177 17,750 18,367 17,382 24,628 30,499	22,189 23,267 20,068 18,521 24,017 22,834 18,387 19,073 17,853 25,312 29,383	5 9 12 4 7 13 11 14 3	Ottawa Presque Isle Roscommon Saginaw St. Clair St. Joseph Sanilac Schoolcraft Shiawassee Tuscola Van Buren	2,952 163 231 3,227 2,226 809 540 94 1,019 721 852	3,241 174, 247 3,412 2,427 859 596 100 1,068 774 914	3,470 186 265 3,583 2,555 879 617 103 1,102 811 963	7.1 7.5 5.0 5.3 2.3 3.6 2.8 3.2 4.9	11,903 12,212 15,147	16,078 16,836 14,653 14,999 12,100	13,523 13,307 16,904 17,480 14,883 15,434 12,425 15,763	58 62 20 15 36 34 71 31
Norfolk	15,185 8,549 13,417 12,926	16,225 9,061 14,454 13,741	16,580 9,367 15,366 14,149	2.2 3.4 6.3	24,724 19,809 20,221 18,518	26,307 20,843 21,725	26,909 21,500 23,150	2 8 6	Washtenaw	5,695 33,892 312 70,937	6,180 35,621 335 77,443	6,466 36,824 352 82,221	4.6 3.4	20,461 15,815 11,963	22,020 16,779	22,782 17,461	2 16 61
Michigan Metropolitan portion Nonmetropolitan portion	152,286 128,822 23,464	163,322 137,971 25,351	171,170 144,363 26,807	4.6	16,518 17,413 12,885	18,600	18,378 19,355 14,448		Metropolitan portion	70,937 52,535 18,402	56,928 20,516	62,221 60,646 21,575	6.5	18,251 12,974 10,748	19,478 14,494 11,871	20,392 15,240	79
Alger	116 90	125 95	133 101		11,662 10,110	12,404 10,694	13,083 11,198	65 78	Anoka Becker	3,775 336	4,102 366	4,363 394	6.4	16,206 12,000	17,174 13,103	17,779 14,117	11 70

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

		Total persor	al income		Per c	apita per	sonal inc	come ³	<u></u>	7	otal person	al income		Per c	apita per	sonal inc	come ³
Area name	Mill	lions of doll	ars	Percent change 2		Doilars		Rank in State	Area name	Milli	ons of dolla	ırs	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Beltrami Benton Big Stone Blue Earth Brown Carlton	376 372 78 701 378 361	405 412 91 771 432 391	440 428 92 808 446 415	3.8 .8 4.8 3.2 6.2	11,162 12,797 11,905 12,891 13,909 12,323	14,236 15,990 13,357	12,751 14,094 14,685 14,957 16,543 14,168		Mississippi Metropolitan portion Normetropolitan portion Adams Alcorn	29,215 10,066 19,149 416 364	31,091 10,821 20,270 443 382	33,027 11,516 21,512 478 402	6.2 6.4 6.1 7.8 5.3	11,321 13,057 10,581 11,423 11,379	12,077 13,998 11,253 12,383 12,007	12,830 14,821 11,970 13,563 12,691	†1 18
Carver Cass Chippewa Chisago Clay Clearwater Cook Cottonwood Crow Wing	794 228 174 425 641 84 55 180 568	911 247 199 467 697 91 61 202 622 5,463 240	991 263 213 492 753 96 65 205 664 5,879	8.7 6.5 6.9 5.4 8.1 5.4 7.3 1.4 6.7	17,572 10,623 12,813 14,454 12,880 10,080 13,905 13,780 12,998	11,394 14,892 15,558 13,906 10,958 15,564 15,729 14,146	11,560 16,804 16,164 14,972		Amite Attala Benton Bolivar Calhoun Carroli Chickasaw Choctaw Claiborne	113 173 76 428 154 86 194 80	116 184 80 445 159 90 202 85	126 196 82 470 164 94 211 88	8.2 6.5 2.8 5.7 3.2 5.4 4.5 3.9	8,432 9,201 9,408 9,957 10,190 9,245 10,784 8,877 8,560	9,884 9,884 10,513 10,589 9,673 11,222 9,396 9,096	9,432 10,600 10,183 11,265 10,991 10,235 11,672 9,735 9,903	76 58 69 48 53 68 34 73
Dakota Dodge Douglas Faribault Fillmore Freeborn Goodhue Grant Hennepin Houston	4,924 213 354 237 272 467 589 87 21,482 239 161	5,463 240 387 273 304 507 651 101 22,920 266 175	249 409 272 316 507 684 104 24,561 280	3.8 5.5 -3 3.8 -1 5.1 2.1 7.2 5.5	19,222 13,785 12,431 13,599 12,987 13,971 14,686 13,600 21,234 12,946	13,557 15,953 14,611 15,281 16,113 16,056 22,410 14,390	15,780 14,226 16,141 15,209 15,352 16,759 16,624 23,705 15,144	67 33 54 52 21 23 1 55	Clarke Clay Coahoma Copiah Covington De Soto Fornest Franklin George Greene	163 228 336 256 153 919 800 86 149	174 246 373 274 161 1,013 858 89 160	184 259 398 288 165 1,106 904 95 175 81	5.6 5.7 6.8 5.1 3.0 9.2 5.3 6.0 9.3 5.7	9,357 10,736 10,819 9,376 9,304 14,146 11,696 10,167 9,013	11,596 9,991 9,753 15,209 12,571 10,618 9,641 7,523	12,291 12,644 10,428 9,999 16,170 13,227 11,322 10,486 7,933	57 27 19 64 71 2 15 45 63 82 21
Hubbard Isanti Itasca Jackson Kanabec Kandiyohi Kittson Koochiching Lac Qui Parle Lake Lake Lake of the Woods	341 476 163 148 525 90 174 117 105 48	368 514 192 159 591 104 199 136 117 51	186 390 547 195 166 638 109 231 139 132 55	6.6 5.9 6.4 1.4 4.7 7.9 5.0 15.7 2.1 13.0 7.6	10,860 13,442 11,539 13,499 11,772 13,743 15,312 10,560 12,620 9,743 11,981	12,547 16,214 12,498 15,361 17,907 12,184 15,047 11,077 12,577	13,399 16,747 12,951 16,404 18,979 14,165 15,672 12,770 13,330	74 22 77 28 9 69 48 80 75	Grenada Hanoock Harrison Hinds Holmes Humphreys Issaquena Itawamba Jackson Jasper Jefferson	249 347 2,020 3,619 158 23 206 1,404 155 64 113	271 371 2,140 3,916 188 155 21 218 1,452 163 65 120	271 397 2,265 4,123 204 172 21 230 1,551 173 70	.1 7.0 5.8 5.3 11.2 .8 5.4 6.8 6.1 7.6	11,679 11,275 12,180 14,079 8,226 12,562 11,584 10,228 12,004 9,022 7,275	11,840 12,935 15,337 8,648 12,585 10,931 10,873 12,531 9,525 7,478	12,569 12,423 13,691 16,215 9,442 14,244 11,325 11,497 13,475 10,127 8,138 8,858	21 22 10 1 75 8 44 36 13 70 81 79
Le Sueur Lincoln Lyon McLeod Mahnomen Marshali Meeker Mille Lacs Morrison	329 91 346 468 56 153 338 276 245 326	364 105 390 509 60 169 389 310 266 362	378 110 411 542 66 179 402 332 282 381	4.7 5.4 6.6 9.1 6.0 3.4 7.2 6.0 5.5	14,190 12,692 13,948 14,898 10,931 13,486 14,400 13,348 13,211 11,080	16,818 14,904 14,282 12,261	16,238 16,042 16,572 16,876 13,095 16,361 17,588 15,888 15,067 12,866	35 25 18 76 30 13 39 56 78	Jefferson Davis Jones Kemper Latayette Lamar Lauderdale Lawrence Leake Lee Lee Leelore Lincoln	889 86 321 272 1,032 125 179 837 437 437 309	732 89 347 292 1,090 124 198 896 460	769 93 371 316 1,150 131 203 963 495 356	3.8 4.9 4.9 6.8 8.0 5.5 5.4 2.6 7.4 7.4 7.1	8,039 11,039 8,290 10,171 9,213 13,536 9,840 9,684 13,051 11,237 10,129	11,784 8,565 10,955 9,748 14,387 9,906 10,729 13,809 12,118	12,392 8,984 11,620 10,326 15,228 10,516 11,016 14,627 13,311	23 77 35 65 3 62 52 6
Mower Murray Nicollet Nobles Norman Oimsted Otter Tail Pennington Pine Pipestone	135 351 292 119 1,827 620 179 219	591 152 397 330 131 2,030 697 194 236 159	631 152 410 343 142 2,195 739 209 247 166	4.2 8.7 8.1 6.1 7.8 4.6 4.6	14,179 13,581 12,633 14,347 14,564 17,674 12,223 13,159 10,494 13,395	15,581 14,200 16,331 16,250 19,317 13,741 14,463 11,199 15,053	17,104 17,881 20,515 14,568 15,753 11,572 15,822	43 66 15 10 4 65 45 86 40	Lowndes Madison Marion Marshall Monroe Mortgomery Neshoba Newton Noxubee Oktibbeha	706 657 242 301 407 120 237 224 106 373	776 735 254 325 431 126 250 244 105 408	830 801 268 347 451 134 266 255 112 432	7.0 8.9 5.8 6.9 4.6 6.1 6.4 4.7 6.8 5.8	11,837 12,830 9,291 9,887 11,112 9,573 9,573 11,005 8,265 9,779	9,870 10,683 11,776 10,129 10,094 12,006 8,295 10,664	14,774 10,530 11,434 12,312 10,814 10,719 12,572 8,942 11,234	20 78 50
Polk Pope	456 125 8,691 58 217 251 669 136 217 2,626 959	9,390 66 262 300 731 154 227 2,875	532 148 9,887 68 265 305 778 156 250 3,052 1,113	5.3 2.2 1.3 1.7 6.4 1.4 10.1 6.2	13,892 11,456 18,121 12,356 12,357 13,792 13,844 13,672 15,132 13,070 17,565	19,451 14,494 15,063 16,764 14,983 15,611 15,398 14,432	20,303 15,041 15,393 17,307 15,767 15,973 16,484 15,419	72 7 57 51 14 44 37 27	Panola Pearl River Perry Pike Pontotoc Prentiss Quitman Rankin Scott Sharkey Simpson	294 381 99 374 253 232 102 1,100 270 79 232	311 406 103 394 267 247 104 1,193 298 75 251 162	339 437 112 420 284 267 110 1,274 313 84 262 167	8.9 7.8 8.5 6.5 6.5 7.9 5.7 6.7 5.3 12.6 4.3	9,938 9,950 9,148 10,044 11,465 9,931 9,373 13,079 11,101 10,693 9,635	10,542 9,529 10,648 12,066 10,597 9,799 13,911 12,297 10,439 10,482	11,274 10,281 11,388 12,763 11,449 10,535 14,525 12,991 12,002 10,936	47 67 42 17 38 60 7 16 29 54
Sherburne Sibley Stearns Steele Stevens Swirt Todd Traverse Wabasha Wadena	493 193 1,513 457 138 135 253 73 249	540 223 1,678 510 159 161 278 89	576 226 1,760 542 162 167 296 91 293 163	6.7 1.0 4.9 6.3 2.3 4.0 6.4 2.2 5.4	12,526 13,315 13,016 15,005 12,909 12,100 10,739 15,527 12,697 10,741	13,233 15,511 14,266 16,659 14,888 14,779	13,596 15,718 14,757 17,592 15,273 15,688 12,660 20,472 14,791	73 46 63 12 53 47 82 6	Smith Stone Sunflower Tallahatchie Tate Tippah Tishomingo Tunica Union Walthall Warren	149 106 358 148 255 204 178 85 237 111 645	113 372 151 273 219 186 84 250 119 688	123 404 161 290 231 199 93 264 124 718	6.5 10.5 5.7 5.0 4.4	9,930 10,019 10,598 9,639 12,016 10,599 10,034 10,106 10,768 7,813 13,154	10,904 10,628 11,180 9,876 12,803 11,307 10,541 10,152 11,346 8,293 14,233	11,427 12,334 10,591 13,501 11,818 11,231 11,409 11,957 8,657 15,040	59 12 32 51 41 30 80 4
Waseca Washington Watonwan Wilkin Winona Wight Yellow Medicine	249 2,687 154 106 629 984 156	2,931 179 122 703 1,094	300 3,043 184 127 739 1,164 186	3.8 2.9 3.9 5.2 6.4	13,796 19,407 13,047 13,814 13,280 14,858 12,938	20,555 15,259 16,152 14,757 16,179	16,575 20,682 15,785 16,920 15,422 16,839 15,970	3 41 16 49 19	Washington Wayne Webster Wilkinson Winston Yalobusha Yazoo	756 179 106 87 199 127 296	786 187 111 88 208 134 297	837 201 116 94 223 142 312	6.4 7.9 4.7 6.5 7.1	10,958 9,149 10,272 8,847 10,144	11,509 9,559 10,793 9,041	12,336 10,313 11,372 9,719 11,489	24 66 43 74 37

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	1	Total perso	nal income		Per c	apita per	rsonal in	come 3		1	Total persor	al income		Per c	apita pe	rsonal in	come 3
Area name	Mill	ions of doll	ars	Percent change 2		Dollars		Rank in State	Area name	Mili	ions of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Missouri Metropolitan portion Nonmetropolitan portion	79,438 58,738 20,701	85,036 62,848 22,189	89,611 66,159 23,452	5.7	15,630 17,493 12,002	16,687 18,646 12,860	17,479 19,488 13,542		Putnam Rails Randolph Ray	58 118 294 317	63 120 320 328	65 126 330 336	3.3 2.3	11,054 13,839 11,880 14,501	12,235 14,162 13,054 14,991	14,907 13,579 15,253	34 59 25
Adair Andrew Atchison Audrain Barry	285 191 99 326 320 150	206 105 344 349 162	331 217 124 355 373	6.3 5.5 17.9 3.3 6.7	11,551 13,101 12,958 13,573 11,918	12,663 14,127 13,911 14,488 12,839	13,471 14,839 16,622 15,089 13,466	37 10 30 65 40 31	Reynolds	104 3,437 91	67 110 3,760 96	74 118 4,037 100	9.8 7.2 7.4 3.8	8,967 8,482 17,293 10,791	8,944 18,201 11,411	9,566 18,753 11,825	112 3 97
Barion Bates Benton Bollinger Boone	214 137 104 1,652	225 148 111 1,796	166 226 157 119 1,935	2.9 .2 5.9 6.9 7.8	13,298 14,139 10,110 9,899 14,902	14,313 14,948 10,812 10,523 16,091	14,692 15,023 11,269 11,156 17,175	31 101 103 7	Ste. Genevieve St. Francois St. Louis Saline Schuyler Scotland	207 575 21,459 327 49 58	224 605 22,958 341 53 62	231 647 24,098 359 56 64	3.4 6.9 5.0 5.2 5.2 3.2	13,047 12,085 21,696 13,757 11,201 11,663	14,028 12,537 23,181 14,445 12,388 12,772	13,165 24,219 15,266 13,225	73 1 24 71
Buchanan Butler Caldwell Callaway Camden	1,190 430 106 435 339	1,267 458 111 464 371	1,328 497 115 488 398	4.8 8.5 2.8 5.2 7.3	14,178 11,143 12,719 13,375 12,804	15,200 11,850 13,326 14,207 13,721	13,655 14,839 14,384	16 81 58 37 44	Scott Shannon Shelby Stoddard	492 56	524 62 98 367	546 66 105 378	6.4 6.3 3.1	7,416 13,000 12,170	8,204 14,052 12,713	8,713 15,100 13,088	54 115 29
Cape Girardeau Carroll Carter Cass Cedar	881 135 47 946 128	956 144 49 1,024 138	1,016 148 52 1,092 148	3.2 5.5 6.7	14,409 12,280 8,455 15,484 10,566	15,576 13,231 8,970 16,363 11,399	16,456 13,828 9,448 16,997 12,195	11 55 113 8 89	Stone Sullivan Taney Texas Vermon	352 222 73 326 214 251	240 82 352 227 267	255 83 384 241 278	6.2 1.6 9.2 6.2 4.0	12,055 11,178 13,100 10,012 13,073	12,784 12,756 13,926 10,584 14,004	13,285 13,163 14,949	69 74 32 102
Chariton Christian Clark Clay Clinton	122 396 81 2,582 231	129 438 88 2,722 248	133 476 92 2,834 262	3.3 8.5 4.0 4.1 5.6	12,942 13,020 10,581 17,226 14,077	13,873 13,851 11,576 17,944 15,044	14,524 14,411 12,149 18,395 15,754	42 43 90 5 21	Warren Washington Wayne Webster	279 190 101 249	304 204 107 265	319 222 115 283	4.9 8.7	14,942 9,562 8,841 10,743	15,858 10,117 9,341 11,294		14
Cole	896 185 240 88 129	962 197 255 94 141	1,038 203 270 97 151	7.9 2.6 5.8 3.2 7.1	14,128 12,346 12,672 11,844 10,350	15,165 13,253 13,388 12,600 11,202	16,315 13,666 14,022 12,963 11,881	13 57 50 76 94	Worth Wright St. Louis City Montana	29 156 6,415 10,359	31 168 6,862 11,611	178 7,156 12,233	5.0 6.0 4.3 5.4	11,619 9,400 15,612 12,943	12,591 10,088 17,059 14,520	13,481 10,596 18,113 15,304	62 108 6
Daviess	86 99 167 99	95 106 174 108	99 112 183 111	4.1	10,778 10,304 12,108 8,407	11,973 10,855 12,704 9,160	12,576 11,145 13,385 9,361	85 104 67 114	Metropolitan portion Nonmetropolitan portion Beaverhead Big Hom	2,815 7,544 101 111	3,076 8,535 117 130	3,276 8,957 126 137	6.5 4.9 7.5 5.9	14,648 12,404 12,060 9,651	16,057 14,036 13,951 11,356	17,147	27
Dunkiin Franklin Gasconade Gentry Greene Grundy	348 1,175 195 84 2,995 134	366 1,259 207 92 3,243 145	380 1,323 221 95 3,471 150	4.0 5.1 7.0 3.5 7.0	10,377 14,779 14,097 11,837 14,691 12,369	11,004 15,732 14,860 13,220 15,747 13,667	11,498 16,371 15,739 13,926 16,630 14,275	98 12 22 52 9 47	Biane Broadwater Carbon Carter Cascade Chouteau	68 35 98 21 1,152 74	83 41 111 25 1,247 94	86 42 116 22 1,318 93 189	3.5 3.0 4.7 -10.5 5.7 7	10,051 10,679 12,066 13,386 14,738 13,340	12,292 12,400 13,654 16,214 16,010 17,018	12,708 12,774 14,335 14,856 16,965 17,081	49 47 37 30 8 7
Harrison Henry Hickory Holt Holt Howard	104 249 67 75 120	114 263 73 78 126	119 276 77 86 130	5.4 10.0 3.2	11,846 12,439 9,382 12,060 12,305	13,228 13,155 10,084 12,805 13,010	13,504	48 56 109 46 61	Custer Daniels Dewson Deer Lodge Fallon	161 34 125 107 43	181 38 135 117 50	138 125 52 177	4.2 7.4 2.1 6.3 3.2	13,432 14,466 12,238 9,998 13,201	15,305 16,331 13,772 11,209 15,869	17,918 14,653 12,199 16,886	33 51 51 10
Howell Iron Jackson Jasper Jefferson	330 107 10,579 1,197 2,430	361 114 11,242 1,267 2,586	388 121 11,799 1,336 2,738	7.6 6.1 4.9 5.5 5.9	10,701 10,022 16,745 13,371 14,590	11,570 10,688 17,794 14,083 15,290	12,291 11,301 18,611 14,738 15,896	87 100 4 39 18	Fergus Flathead Gallatin Garfield Glacier Golden Valley	146 782 602 23 122 12	170 866 688 29 142 15	177 917 743 28 143 15	3.6 6.0 8.0 -3.6 .7 3.7	11,879 13,476 12,263 14,020 10,225 12,554	14,003 14,750 13,787 18,229 11,782 16,037	15,439 14,651 17,740 11,736	24 34 4 55
Johnson Knox Laclede Lafayette Lawrence	467 53 325 469 357 120	500 60 349 489 378	521 60 365 505 393	4.4 1.0 4.6 3.2 3.7	11,264 11,506 12,112 15,235 11,869	11,888 13,131 12,918 15,815 12,563	16,188 12,961	88 63 66 15 77	Granite	204 119 26 227	38 241 122 34	244 130 34	5.5 1.3 6.9 3	12,806 11,481 15,214 10,980	14,797 13,611 15,476 14,654	15,696 13,832 16,373 14,857	20 42 16 29
Lewis Lincoln Linn Linn Livingston McDonald	384 177 199 164	126 414 189 215 180	131 442 196 222 194	3.5 3.2 8.2	11,533 13,953 12,494 13,523 9,898	14,627 13,511 14,711 10,731	15,166 14,131 15,235 11,428	28 49 27 99	Lake Lewis and Clark Liberty Lincoln McCone Madison	227 673 32 189 29 63 21	253 740 46 207 36 77	268 784 45 221 33 79	7.0 -6.2 3.1	14,437 13,867 10,798 12,332 10,743	15,707 19,825 11,812 15,461 12,894	12,633 14,765 13,189	15 1 50 32 45
Macon Madison Maries Maries Maron Mercer	199 126 89 365 42	216 133 95 386 45	228 143 101 414 46	5.4 7.4 6.2 7.2 2.6 6.8 3.2	12,684 11,324 11,116 13,062 10,920	13,903 11,972	14,945 12,528	36 80 84 33 86 70	Meagher	21 33 1,037 52 6	25 37 1,135 57 7	26 39 1,226 61 7	4.5 6.6	9,700 13,322 12,163	10,933 14,486 13,669	11,878 15,555 14,815	54 23 31
Miller Missisppi Moniteau Monroe Montgomery	126 89 365 42 238 158 164 124	257 169 178 138 163	274 175 191 144 169	6.9	11,369 10,803 13,080 13,419 13,336		12,099 15,541	91 23 20 35	Petroleum Philips Pondera Powder River Powelf Prairie	61 75 29 74	77 94 33 84 24	79 91 32 88 23 329	-3.1 2.7 -3.4 -4.8 4.6 -4.2	10,199 11,736 11,685 13,291 11,099 13,141	14,912 14,635 15,575 12,585 16,712	15,401 14,140 15,228 13,251 16,709	25 39 26 43 12
Morgan New Madrid Newton Nodaway Oregon	175 224 511 253 83 163 91	187 230 542 276 89	199 248 577 295 95 191	6.4 7.4 6.5 6.6 6.9	11,253 10,564 11,625 11,609 8,683	12,020 10,962 12,269 12,739 9,349	12,961 13,565 10,054	83 96 77 60 110	Ravalli Richland Roosevelt Rosebud	20 276 138 112 126	306 158 131 146	159 133 147	.4 1.6 .8	11,268 12,030 10,053 11,879	12,325 14,354 11,874 13,799	13,125 14,955 12,130 13,973	28 53 41
Osage Ozark Pemiscot Perry Pettis	163 91 230 215 493	176 98 245 237 529	191 103 264 254 562	6.6 6.9 8.4 5.1 8.1 7.3 6.3	8,683 13,438 10,746 10,308 12,860 13,922	14,638	15,898 11,978 12,086 15,246 15,856	17 93 92	Sanders Sheridan Silver Bow Stillwater Sweet Grass	82 69 467 89 44 75 71	90 83 505 102 51	96 78 535 109 53 99	6.7 -5.6 5.9 7.2 4.3	9,396 13,802 13,545 13,951 13,825 11,804	10,402	11,136 16,577 15,798 16,630 16,944	56 14 18 13
Phelps Pike Platte Polk Pulaski	439 193 989 249 397	467 208 1,065 272 436	491 223 1,119 289 451	6.4	11,997 17,972 11,733	18,819	19,172 13,195	72	Teton Toole Treasure Valley Wheatland	75 71 14 110 29	99 89 15 128 33	99 88 17 128 35	-1.4 6.8	13,495 14,863	17,399 17,356	17,502	5

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

	1	otal persor	al income		Per c	apita per	sonal inc	come 3		1	otal person	al income		Per c	apita per	sonal inc	come 3
Area name	Mill	ions of dolla	ars	Percent change 2		Dollars		Rank in State	Area name	Mill	ions of dolla	ırs	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Wibaux	14 1,663 161	18 1,829 184	17 1,958 193	-4.7 7.1 5.1	11,413 14,587 11,031	14,672 16,090 12,588	14,343 17,272 13,206	36 6 44	Sherman Sioux Stanton	51 26 84	52 27 92	56 29 96	6.5 4.7 5.0	13,435 16,368 13,455	13,912 17,468 14,684	15,005 18,627 15,393	82 21 75 40
Nebraska etropolitan portion onmetropolitan portion	23,967 12,128 11,839	25,799 13,204 12,596	27,641 14,218 13,423	7.1 7.7 6.6	15,249 16,108 14,459	16,382 17,371 15,459	17,490 18,504 16,532		Thayer	104 12 63 79 237	107 14 71 84	114 15 74 92 286	6.3 5.6 4.6 9.6 9.0	15,360 13,681 8,989 14,891 14,536	15,998 16,168 10,184 15,984 15,933	17,225 17,228 10,670 17,760 17,167	39 93
Adams	469 109 8	501 109 9 15	533 119 10 17	6.3 9.0 7.9 13.2	15,719 13,483 16,224 17,203	16,870 13,686 20,081 17,212	17,997 14,984 21,991 19,922	24 83 6 14	Washington	111 69 31	262 127 72 32	135 77- 34	7.1 7.2	11,908 15,698 31,717	13,524 16,567 33,074	17,107 14,400 17,953 35,937	
Blaine	15 9 94 219 36	11 102 232 39	12 108 247 42	8.6 6.5 6.5 9.6	13,536 13,960 16,339 12,341	16,355 15,152 17,529 13,527	17,969 16,252 18,877 14,972	25 59 19 84	York Nevada Metropolitan portion	236 18,468 15,392	238 20,905 17,461	254 23,314 19,598	6.6 11.5 12.2	16,325 17,176 17,311	16,488 18,380 18,539	17,563 19,049 19,313	3-
Burt	59 485 120	65 521 129 132	67 554 134 140	2.7 6.3 3.2 6.0	15,592 13,101 15,093	17,508 13,988 16,365 15,288	18,312 14,750 17,009	22 87 43 57	Nonmetropolitan portion	250 10,746 526	267 12,377	3,715 280 14,088 663	5.1 13.8	16,530 15,290 16,386 21,036	17,610 15,570 17,721 22,626	17,764 15,387 18,625 23,591	1!
Butler Cass Cedar Chase Cherry Cheyenne	135 294 125 77 85 153	316 134 77 97 168	337 144 85 105 186	6.4 7.5 11.0 8.3 10.9	15,507 13,931 12,145 17,346 13,223 15,958	14,892 13,165 17,412 15,289 17,600	16,765 19,605	68 91 17 47 16	Douglas Eiko Esmeralda Eureka Humboldt Lander	395 24 31 183 83	595 450 28 40 216 102	486 30 45 225 103	11.4 8.1 9.0 13.9 4.3 .6	13,931 18,791 22,743 15,845 15,227	14,495 21,364 27,039 17,685 17,456	14,120 22,257 28,628 17,194 16,067	17 3 1 8 12
ColfaxCuming	126 123 150	126 132 163	133 140 174	5.9 6.1 6.9	17,396 13,183 14,525	17,525 14,288 15,972		37	Lincoln	53 278 91	57 314 97	62 337 101	9.2 7.3 3.8	14,620 15,306 14,678	15,498	15,486	1.
Custer Dakota Dawes Dawson Deuel Dixon Dixon Dixon Dixon Dixon Daw Dawson Dixon 193 219 114 290 38 81	207 243 124 311 42 88	214 254 133 333 47 95	3.4 4.5 7.1 7.0 12.3 8.3	15,470 13,119 12,564 14,349 16,557 12,842	16,706 14,550 13,762 15,512 18,663 14,224	17,452 15,182 14,779 16,714 21,134 15,572	49 7 73	Nye Pershing Storey Washoe White Pine Carson City	224 65 34 4,647 118 720	256 70 38 5,085 142 773	274 79 41 5,511 153 837	6.9 12.4 7.2 8.4 8.0 8.3	13,823 16,555 14,955 19,914 13,675 19,115		21,327 16,335	1	
Dodge Douglas Dundy Fillmore	484 7,032 56 140	518 7,628 56 141	547 8,192 61 149	5.7 7.4 9.5 6.2	14,035 17,075 21,062 19,510	15,011 18,413 21,287 19,710	23,598	4	New Hampshire Metropolitan portion Nonmetropolitan portion	21,045 13,526 7,519	22,459 14,367 8,092	23,087 14,767 8,319	2.8 2.8 2.8	19,437 20,262 18,110	20,334 21,058 19,164	20,773 21,470 19,640	
Franklin Frontier Frumas Gage Garden Gaffield Gosper Grant Greeley	60 44 90 321 52 26 35 11	60 46 95 335 57 29 37 12 47	64 50 101 358 58 31 39 13	5.4 7.8 5.7 7.0 2.7 7.2 4.5 4.3	14,942 13,920 15,663 13,960 20,428 11,805 17,919 13,458 14,867	15,261 14,683 16,924 14,633 22,731 13,277 19,120 15,799 15,581	16,202 16,083 18,214 15,721 23,666 14,324 20,196 16,839 16,571	23 69 3 90 12	Belknap Carroll Cheshire Coos Grafton Hillsborough Merrimack Rockingham Strafford	958 704 1,176 536 1,289 6,985 2,226 4,905 1,636	1,013 760 1,282 565 1,403 7,369 2,384 5,253 1,746	1,015 781 1,318 580 1,446 7,603 2,478 5,369 1,794	2 2.7 2.9 2.5 3.0 32 4.0 22 2.8	19,807 20,720 17,029 15,311 17,478 21,289 19,072 20,627 16,092	18,287 16,108 18,742 22,019 19,979 21,540 16,825	18,791 16,685 19,288 22,581 20,600 21,770 17,182	1
HamiltonHarlan	689 141 54	734 140 55 26	792 147 60	4.9 8.6	14,148 15,849 13,900	15,028 15,750 14,292	16,166 16,537 15,676	53 70	Sullivan New Jersey Metropolitan portion	629 171,240 171,240	684 182,551 182,551	701 192,464 192,464	2.5 5.4 5.4	16,441 22,200 22,200	17,685 23,628 23,628	1	ļ
Hayes Hitchcock Holt Hooker Howard Jefferson Johnson Kearney	54 25 54 184 11 82 135 64	58 195 13 84 141 67 113	28 61 207 14 88 153 71 117	4.6 5.9 5.7 4.4 4.7 8.0 7.2 3.4	19,505 14,342 14,390 13,582 13,316 15,174 13,433 16,451	21,253 15,340 15,407 16,325 13,754 16,032 14,138 16,990	16,427 17,173 14,509 17,485 15,287 17,564	56 55 41 88 35 78 33	Atlantic Bergen Burlington Camden Cape May Cumberland Essex Gloucester	4,766 23,844 7,960 8,948 1,900 2,037 16,910 3,745	5,099 25,359 8,578 9,533 2,023 2,196 18,070 4,039	5,411 26,563 9,106 10,032 2,148 2,324 19,029 4,276	5.9	21,718 28,530 20,356 17,889 20,338 14,802 21,247 16,622	22,935 30,547 21,799 18,993 21,429 15,923 22,988 17,705	22,525 16,819 24,523 18,523	1 1 2
Keith Keya Paha Kimbali Knox Lancaster Lincoln Logan Loup McPherson Madison	128 17 75 113 3,234 480 15 10 8	137 20 80 123 3,532 519 17 11 475	144 22 82 133 3,821 549 18 12 11	5.7 2.7 8.0 8.2 5.8 4.7	14,726 15,259 17,568 11,505 15,489 14,615 17,554 13,466 15,223 13,580	19,326 19,052 12,714 16,699 15,907 19,612 16,104 17,958	16,800 21,031 19,999 13,950 17,816 16,912 20,509 17,243 19,283 15,613	9 13 92 28 44 11 38 18	Hudson Hunterdon Mercer Middlesex Monmouth Morris Ocean Passaic Salem	9,120 2,856 7,364 14,859 13,519 11,871 8,052 9,006 1,035	9,712 3,049 8,019 15,799 14,319 12,629 8,597 9,519 1,110	10,197 3,276 8,492 16,761 15,178 13,281 9,131 9,949 1,165	5.0 7.5 5.9 6.1 6.0 5.2 6.2 4.5 4.9		28,646 24,679 23,639 25,992 29,933 20,106 20,945	26,026 24,896 27,391 31,520 20,974 21,973	1 1
Merrick	113 85 60	112 90 61	122 97 66	8.2 7.8 6.7	13,874 15,368 13,776	13,902 16,454 14,287	15,152 17,909 15,357	80 27 76	Somerset	7,029 2,863 11,767	7,540 3,045 12,410	8,009 3,204 12,943	62 52 4.3	30,130 22,187 23,533	31,765 23,392 24,987	33,180 24,405 26,248	1
Nemaha Nuckolls Otoe Pawnee Perkins	114 80 191 45 83	123 84 214 49 83	132 91 222 53 87	83	14,153 13,437 13,252 13,092 24,320	15,382 14,311 14,984 14,575 24,443	15,787 15,583 15,956	67 72 65	New Mexico Metropolitan portion Nonmetropolitan portion	1,790 18,919 10,617 8,302	1,907 20,231 11,432 8,799	1,988 21,660 12,207 9,453	7.1 6.8 7.4	19,754 12,693 14,844 10,708	15,765	14,254 16,582	
Phelps	176 117 422 90	188 126 455 92	201 129 487 100	6.7 2.2 6.9 8.7	18,052 14,856 14,391 15,619	19,354 16,020 15,381 16,203	20,701 16,454 16,279 17,709	10 54 58 31	Bernalillo Catron Chaves Cibola	7,478 31 703 191	7,960 32 765 200	8,451 34 822 195	6.2 3.5 7.4 -2.2	15,917 12,097 12,247 8,199	16,731 12,665 13,266 8,947	17,518 13,116 14,180 8,890	
Red Willow Richardson Rock Saline Sarpy Saunders	171 132 30 180 1,406 248	180 144 33 188	194 147 35 204 1,664 276	7.4 2.2 6.4 8.3 8.2	14,440 13,025 14,467 14,174 14,164 13,568	15,325 14,347 16,247 14,812 15,208	16,573 14,797 17,607 16,041 16,137	51 85 32 64 62	Colfax	166 549 26 1,311 575 315	172 568 27 1,431 638 325	182 597 29 1,546 689 345	5.8 5.2 5.4 8.0 8.0	12,516 12,936 10,954 9,825 11,534 11,484	13,162 13,426 11,991 10,640 12,990	14,134 14,157 12,879 11,379 14,216	
Scotts Bluff	515 211	1,538 264 555 224	603 239	8.6 6.9	14,133 13,739 14,951	15,346 14,536	16,763 15,470	48 74	Guadalupe Harding Hidalqo	37 12 69	39 12	42 13	7.3 3.3	8,620 12,172	9,326	10,156 13,061	

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	1	Total persor	nal income		Per c	apita per	sonal inc	come ³	T	1	Total person	al income		Per c	apita pe	rsonal inc	come ³
Area name	Milli	ions of doll	ars	Percent change 2		Dollars		Rank in State	Area name	Mill	ions of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Lea Lincoln Los Alamos Luna McKinley Mora Otero	699 149 428 168 513 33 605	707 163 469 179 546 36 605	744 172 506 191 587 38 652	5.2 5.2 7.8 6.5 7.6 5.9 7.7	11,988 12,145 23,971 9,492 8,471 7,562 11,896	12,449 13,344 26,078 9,998 9,001 8,268 11,763	13,428 14,058 27,846 10,515 9,668 8,837 12,507	10 9 1 24 29 33 17	North Carolina Metropolitan portion Nonmetropolitan portion Alamance Alexander Alleghany	93,256 57,921 35,335 1,654 356 108	101,254 62,958 38,296 1,788 387 116	108,215 67,273 40,943 1,879 414 124	6.9 6.9 5.1 7.1 6.9	14,388 15,882 12,466 15,620 13,146 11,303	15,422 16,970 13,412 16,678 14,151 12,139	17,818 14,228 17,306 14,995 12,950	14 34 68
Ouay Rio Arriba Roosevelt Sandoval San Juan San Miguel Santa Fe Sierra	132 275 176 695 910 210 1,400 108	141 290 188 744 979 224 1,571	141 312 199 833 1,086 244 1,704	.2 7.8 5.7 12.0 10.9 8.7 8.5 6.0	12,110 8,119 10,649 12,101 9,877 8,249 14,867 11,153	12,949 8,479 11,308 12,230 10,666 8,760 16,223 11,957	13,032 9,061 11,890 12,958 11,857 9,457 17,093 12,473	14 31 20 15 21 30 3	Anson Ashe Avery Beaufort Bertie Bladen Brunswick Buncombe	283 244 158 513 229 315 552 2,502	303 260 174 551 250 338 591	322 277 186 584 274 348 644 2,968	6.0 9.6 2.7 8.9	11,862 10,937 10,703 12,044 11,160 10,908 11,390 14,542	12,805 11,710 11,723 12,987 12,239 11,764 11,842 15,856	12,468 12,517 13,826 13,473 12,139 12,527	56 81 79 54 59 88 78
Socorro Taos Torrance	132 197 97 68 458	146 220 104 66 489 375,504	154 242 108 69 532 398,366	5.4 9.9 3.9 4.6 8.9 6.1	9,094 8,657 10,044 15,503 10,488 19,403	9,949 9,599 10,362 15,677 10,660 20,881	10,400 10,441 10,384 16,928 11,226	25 27 4 23	Burke Cabarrus Caldwell Camden Carteret Caswell Caswell	1,002 1,408 922 76 638 210 1,804 557	1,077 1,548 1,003 83 706 219 1,933 633	1,145 1,657 1,059 88 761 236 2,067	6.3 7.1 5.5 6.0 7.8 7.4 6.9	13,347 14,651 13,176 13,125 12,451 10,106 15,553 14,784	14,277 15,839 14,251 14,102 13,571 10,579 16,472 16,545	15,096 16,669 14,945 14,823 14,419 11,388 17,396	31 19 35 38 44 94 12 13
New York Metropolitan portion Nonmetropolitan portion	326,835 21,339	352,393 23,111	373,840 24,526	6.1	19,989 13,396	21,510 14,437	22,802 15,264		ChathamCherokee	211	229	248	8.3	10,631	11,442	12,271	84
Albany	5,393 558 16,256 3,421 1,005 1,070 1,914 1,321 678 1,017	5,804 596 17,551 3,647 1,070 1,144 2,032 1,432 726 1,092	6,148 635 18,778 3,829 1,153 1,227 2,154 1,513 757 1,179	5.9 6.7 7.0 5.0 7.8 7.3 6.0 5.7 4.3 8.0	18,444 11,020 13,602 16,031 11,810 13,038 13,356 13,917 13,236 11,941	19,829 11,777 14,615 17,136 12,634 13,907 14,249 15,051 14,089 12,744	21,003 12,590 15,579 18,058 13,698 14,899 15,197 15,885 14,604 13,692	43 35 48	Chowan Clay Cleveland Columbus Craven Cumberland Courrituck Dare Davidson Davie	164 73 1,171 543 1,054 3,161 170 303 1,700 435	175 80 1,265 576 1,149 3,346 183 334 1,818 484	192 86 1,336 613 1,210 3,556 195 351 1,919 511	5.6 6.6 5.3 6.3 6.7 5.2 5.6 5.5	12,332 10,338 13,875 10,892 13,101 11,667 12,857 14,529 13,831 15,527	13,071 11,219 14,958 11,583 14,167 12,255 13,531 15,234 14,534 17,338	15,755 12,375 14,793 12,923 14,143 15,246 15,079 18,339	49 92 23 83 39 69 50 30 32 9
Columbia Coriland Delaware Dutchess Erie Essex Frankiin Fulton Genesee Greene	1,084 605 587 5,067 15,579 490 538 746 917 641	1,174 659 636 5,420 16,627 532 601 804 986 695	1,239 694 672 5,761 17,712 562 647 849 1,036 736	5.5 5.3 5.7 6.3 6.5 5.7 7.7 5.6 5.1 5.8	17,326 12,402 12,442 19,678 15,947 13,204 11,606 13,649 15,254 14,530	18,688 13,484 13,468 20,941 17,092 14,329 12,937 14,779 16,393 15,625	19,648 14,164 14,232 22,173 18,305 15,128 13,900 15,685 17,241 16,409	51 8 19 44 54 36 24	Duplin Durham Edgecombe Forsyth Franklin Gaston Gates Graham Granville Greene	423 2,948 668 4,926 395 2,501 115 60 455 168	452 3,236 708 5,244 428 2,667 125 62 486 180	485 3,515 761 5,505 466 2,865 136 66 521	8.8 7.4 9.4 6.4 7.1 9.0	10,511 16,731 11,857 18,847 11,212 14,501 12,504 8,393 12,178 10,765	11,280 18,038 12,539 19,867 11,930 15,333 13,469 8,670 12,822 11,614	19,238 13,441 20,645 12,730 16,319 14,627 9,223 13,527 12,741	87 7 60 3 75 21 43 100 58 73
Hamilton Herkimer Jefferson Kings Lewis Livingston Madison Monroe Montgomery Nassau	74 838 1,460 33,722 286 874 953 13,552 730 35,610	83 890 1,628 36,314 313 953 1,045 14,710 788 38,664	88 944 1,701 38,683 336 1,011 1,114 15,454 835 40,745	6.4 6.1 4.5 6.5 7.6 6.2 6.6	14,118 12,672 13,926 14,699 10,892 14,220 13,886 18,973 13,938 27,434	15,652 13,495 15,018 15,792 11,758 15,358 15,157 20,586 15,096 29,907	16,611 14,359 15,205 16,803 12,517 16,178 16,100 21,641 16,074 31,679	28 49 42 26 62 31 32 9	Guilford Halifax Harnett Haywood Henderson Hertford Hoke Hyde Iredell Jackson	6,174 613 689 613 1,084 254 203 62 1,369 299	6,731 657 752 636 1,181 271 218 67 1,489 324	7,094 714 818 668 1,264 287 233 67 1,597 346	6.8 .1 7.2	18,156 11,133 10,424 13,043 16,046 11,155 9,012 11,247 15,094 11,235	19,553 11,880 11,205 13,542 17,233 11,992 9,596 12,304 16,189 12,103	12,007 14,235 18,175 12,775 10,157 12,481 17,113 12,870	4 71 91 47 10 72 98 80 16 70
New York Niagara Oneida Onondaga Ontario Orange Orleans Oswego Otsego Otsego Putnam	50,218 3,245 3,627 7,926 1,524 5,353 572 1,576 810 1,985	54,100 3,461 3,881 8,538 1,655 5,741 616 1,698 880 2,141	57,783 3,674 4,130 9,099 1,757 6,116 649 1,809 939 2,262	6.8 6.2 6.6 6.5 5.4 6.8	34,003 14,650 14,362 16,873 16,111 17,926 13,902 13,061 13,456 23,975	36,455 15,643 15,415 18,180 17,436 18,885 14,811 13,984 14,561	38,794 16,647 16,477 19,401 18,451 19,788 15,465 14,834 15,503	1 27 29 15 18 13 39 46 38	Johnston Jones Lee Lenoir Lincoln McDowell Macon Madison Martin Mecklerburg	1,029 104 586 739 672 394 283 175 313 9,076	1,124 111 635 804 722 419 309 190 335 9,957	1,213 113 692 855 774 445 332 207 358 10,785	2.0 8.9 6.4 7.2 6.2 7.6 9.0 6.8 8.3	12,984 11,056 14,385 12,835 13,857 11,058 12,296 10,308 12,399 18,568	13,255 11,185 13,303 19,848	12,008 16,673 14,931 15,297 12,466 14,093 12,190 14,267 20,942	51 85 45 1
Queens Rensselaer Richmond Rockland St Lawrence Saratoga Schenectady Schoharie Schuyler Seneca	35,395 2,392 7,796 6,300 1,216 2,942 2,690 390 216 481	38,149 2,582 8,347 6,714 1,324 3,209 2,893 425 233 514	40,428 2,745 8,900 7,105 1,421 3,435 3,086 456 239 540	6.0 6.3 6.6 5.8 7.4 7.0	18,169 15,482 20,757 23,724 10,773 16,768 17,946 12,386 11,654 14,296	19,549 16,705 22,092 25,269 11,773 17,938	20,705 17,774 23,447 26,757 12,704 18,857 20,679 14,273 12,797	11 22 7 5 60 16 12 50 59	Mitchell Montgomery Moore Nash New Hanover Northampton Onslow Orange Pamilico Pasquotank Pender	156 266 951 1,089 1,732 238 1,473 1,544 133 363	166 288 1,057 1,195 1,917 258 1,579 1,733 145 394 359	176 303 1,130 1,271 2,067 287 1,537 1,875 154 416	5.4 7.0 6.4 7.8 11.1 -2.7 8.2 6.4 5.6	10,881 11,425 16,684 14,549 14,767 11,279 10,245 17,108 11,763 11,865	11,534 12,337 18,164 15,737 16,114 12,331 10,726 18,770 12,803 12,724	12,990 19,053 16,507 17,119 13,821 10,190 19,857 13,565 13,245	86 66 8 20 15 55 97 6 57 63
Steuben	1,286 28,322 1,099 723 1,216 2,755 892 719 1,346 25,420	1,386 30,358 1,190 773 1,352 2,948 972 773 1,456 27,764	1,464 32,092 1,270 800 1,440 3,115 1,028 831 1,528 29,166	5.7 5.7 6.8 3.6 6.5 5.7 5.7 7.6 5.0	13,012 21,482 16,071 13,924 13,088 16,761 15,331 12,295 15,188 29,051	13,992 22,976 17,253 14,800 14,434 17,862 16,519 13,101 16,362	24,262 18,296 15,272 15,271 18,824	6 20 40 41 17 23 53 25	Perquimans Person Pitt Polk Randolph Richmond Robeson Rockingham Rowan Rutherford Sampson	1177 354 1,399 235 1,389 496 1,005 1,166 1,495 695 545	125 385 1,572 272 1,500 540 1,059 1,234 1,631 766 612	132 424 1,720 291 1,576 577 1,143 1,296 1,741 810 662	5.5 10.1 9.5 6.8 5.1 7.0 7.9 5.1 6.8	11,369 11,851 13,430 16,669 13,453 11,088 9,640 13,648 13,793 12,337 11,466	12,071 12,806 14,785 19,053 14,270 12,100 10,109 14,380 14,875	12,610 14,025 15,852 20,106 14,721 12,974 10,849 15,038 15,691 14,198	76 52 22 5 41 67 96 33 24 48 53
Wyoming Yates	497 261	536 281	566 299	5.5 6.6	11,791 11,599	12,656 12,373	13,288 13,081	57 58	Scotland	391 683	415 724	446 764	7.5	11,730	12,352	13,179 14,729	64

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

		Total person				apita per		•	Cisonal module by Cou		otal person	al income		Pero	apita per	sonal irv	
Area name		ions of dolla		Percent		Dollars		Rank in	Area name	—	ons of dolla		Percent		Dollars		Rank in
	1988	1989	1990	change ² 1989–90	1988	1989	1990	State 1990		1988	1989	1990	change ² 1989–90	1988	1989	1990	State 1990
Stokes Surry Swain Transylvania Tymel Union Vance Wake	478 830 97 340 39 1,323 444 7,368 175	496 906 105 369 40 1,418 482 8,124	532 955 112 394 43 1,532 510 8,823	7.4 5.4 6.5 6.9 7.1 8.0 5.9	13,106 13,526 8,643 13,419 10,041 16,267 11,537 18,427	13,438 14,726 9,345 14,505 10,441 17,085 12,440 19,659	13,086 20,658	65 2	Clark Clermont Clinton Columbiana Coshocton Crawford Cuyahoga Darke Defiance	2,209 2,110 488 1,227 440 607 26,371 768 542	2,343 2,284 527 1,297 463 638 28,217 826 576	2,462 2,450 572 1,363 486 666 29,749 865 607	5.1 7.2 8.5 5.1 5.0 4.4 5.4 4.6 5.3	14,988 14,489 13,955 11,236 12,406 12,588 18,503 14,311 13,827	15,884 15,407 14,951 11,932 13,077 13,283 19,899 15,404 14,664	16,676 16,231 16,108 12,597 13,726 13,915 21,086 16,119 15,408	34 40 76 62 59 1 39
Warren Washington Watauga Wayne Wilkes Wilson Yadkin Yancey North Dakota Metropolitan portion	159 390 1,210 766 912 408 171 8,185 3,486	190 166 424 1,315 826 970 440 183 9,124 3,741	205 176 472 1,401 874 1,037 467 186 9,775 3,980	7.9 6.5 11.5 6.6 5.8 6.9 6.0 1.7 7.1 6.4	10,239 11,358 10,786 11,758 12,958 13,981 13,594 11,153 12,488 13,529	12,653 13,931 14,763 14,543 11,903 14,116 14,515	15,261 12,068 15,355 15,463	77 74 62 42 25 29 89	Delaware Erie Fairfield Fayette Franklin Fulbon Gallia Geauga Greene Guernsey	1,083 1,180 1,468 333 15,954 587 347 1,467 2,160 463	1,188 1,257 1,594 354 17,248 622 375 1,584 2,349 478	1,279 1,316 1,697 378 18,376 647 398 1,688 2,490 501	7.7 4.7 6.5 6.7 6.5 4.1 6.1 6.6 6.0 4.8	16,959 15,362 14,527 12,083 16,992 15,251 11,363 18,578 16,054 11,742	18,102 16,368 15,560 12,878 18,117 16,147 12,177 19,741 17,291 12,190	18,979 17,140 16,342 13,759 19,040 16,797 12,832 20,717 18,161 12,841	18 31 60 6 23 73
Adams Barnes Benson Billings Bottineau Bowman Burke Burleigh Cass Cavalier	4,699 39 149 64 13 99 54 40 878 1,454 74	5,383 45 174 78 15 126 55 46 954 1,545 102	5,795 52 190 85 19 134 60 48 1,009 1,677 116	7.6 15.5 9.1 9.1 22.8 6.3 9.1 5.3 8.5 13.7	11,814 11,723 11,547 8,502 11,212 11,819 14,171 12,236 14,518 14,273 11,238	13,852 13,919 13,683 10,624 13,752 15,445 14,789 14,743 15,806 15,065 16,225	15,281 16,605 15,186 11,873 17,240	16 29 51 8 10 13 20 11	Hamilton Hancock Hardin Harrison Henry Highland Hocking Holmes Huron Jackson	15,776 1,122 364 164 422 421 278 308 814 308	16,792 1,180 386 172 450 453 297 338 870 327	17,838 1,237 398 174 471 475 316 363 929 348	62 4.8 3.2 1.5 4.6 4.9 6.2 7.7 6.8 6.2	18,236 17,133 11,617 9,987 14,577 11,983 11,039 9,630 14,640 10,185	19,392 18,007 12,371 10,561 15,500 12,760 11,707 10,400 15,536 10,826	20,580 18,860 12,808 10,851 16,170 13,255 12,334 11,016 16,479 11,492	9 74 87 36 66 78 86 28 84
Dickey	67 38 39 35 53 48 30 869 33 40	83 41 44 42 64 56 34 933 40 50	95 48 51 47 65 62 40 970 44	14.4 17.0 16.7 11.0 .8 9.4 18.4 4.0 7.9 -1.9	10,271 12,436 9,130 11,485 10,295 11,640 13,654 12,264 8,759 11,582	13,253 13,904 10,666 14,151 12,950 13,873 15,723 13,172 11,087 14,859	15,682 16,809 12,945 16,033 13,490 15,551 19,208 13,732 12,401 14,909	48 23 44 26 2 42 49	Jefferson Knox Lake Lawrence Licking Logan Lorain Lucas Madison Mahoning	1,031 613 3,679 637 1,845 550 3,921 7,528 496 3,837	656 3,979 680 1,988 594 4,152 7,929 538 4,084	710 4,249 732 2,110 651 4,341 8,242 581 4,297	6.2 8.3 6.8 7.6 6.1 9.7 4.6 3.9 7.9 5.2	12,466 12,954 17,176 10,300 14,526 13,225 14,455 16,308 13,659 14,262	13,502 13,828 18,506 11,001 15,562 14,139 15,307 17,158 14,643 15,317	14,583 14,945 19,692 11,841 16,412 15,346 16,006 17,815 15,608 16,256	51 4 80 30 46 42 14 43 33
Hettinger Kidder La Moure Logan McHenry McIntosh McKenzie McLean Mercer Motion	39 29 54 31 63 48 78 121 145 284	48 37 69 35 78 92 139 152 309	55 40 80 38 84 61 95 150 162 324	14.2 8.8 15.8 7.9 8.3 13.6 2.9 8.1 6.5 4.8	10,679 8,267 9,550 10,225 9,163 11,392 11,393 11,007 14,039 11,644	13,567 10,799 12,590 12,041 11,621 13,113 14,013 13,013 15,126 12,887	16,118 12,018 15,042 13,356 12,978 15,372 15,063 14,496 16,593 13,729	31 46 47 28 30 37 17	Marion Medina Meigs Mercer Miami Monroe Montgomery Morgan Morrow Muskingum	788 2,039 236 573 1,403 186 9,449 165 319 1,073	829 2,182 253 619 1,505 192 10,022 174 335 1,155	870 2,319 266 668 1,585 204 10,577 184 367 1,228	4.9 6.2 5.0 8.0 5.3 6.1 5.5 6.2 9.5 6.4	12,151 16,986 10,168 14,615 15,252 11,675 16,565 11,634 13,032	12,854 17,978 10,964 15,735 16,236 12,249 17,506 12,240 12,141 14,046	12,978 13,188 14,963	8 83 21 20 67 12 71 68 49
Mountrail Nelson Oliver Pembina Pierce Ramsey Ransom Rerville Richland Rolette	79 54 27 130 58 168 68 35 222 112	90 68 29 164 66 194 76 45 239 128	96 71 32 176 73 211 85 46 255	8.4 12.3	10,622 11,614 11,102 13,641 10,866 13,123 11,014 10,672 11,838 8,503	15,266 12,616 13,995 12,981	19,095 14,475 16,628 14,513 14,559 14,090	3 38 14 36 35 40	Noble Ottawa Paulding Perry Pickaway Pike Portage Preble Putnam Richland	123 673 272 332 580 2,012 528 484 1,867	135 704 289 351 625 271 2,151 559 527 1,961	140 738 304 369 666 292 2,291 599 552 2,042		10,747 16,840 13,253 10,585 12,286 10,512 14,288 13,297 14,421 14,733	11,837 17,588 14,113 11,143 13,075 11,215 15,162 13,983 15,641 15,510	14,838 11,688 13,758 12,013 16,031 14,897 16,295 16,191	11 54 81 61 79 41 52 32 35
Sargent Sheridan Sioux Slope Stark Steele Stustman Towner Traill Walsh	61 25 28 9 290 33 284 44 116	79 31 32 11 306 39 329 58 128 236	86 36 35 13 322 39 351 67 135 247	8.5 13.8 9.7 19.1 5.4 .4 6.7 15.0 5.9 4.9	12,821 11,003 7,585 9,654 12,248 12,894 12,443 11,642 12,717 13,732	8,618 11,983 13,175 15,827 14,613 15,683 14,301	16,727 9,410 14,919 14,186 16,427 15,823 18,433 15,528	33 39 18 24 5	Ross Sandusky Scioto Seneca Shelby Stark Summit Trumbul Tuscarawas Union	835 963 894 782 668 5,522 8,416 3,294 1,129 513	879 1,005 947 839 726 5,849 9,043 3,506 1,184 566	936 1,054 1,017 887 790 6,212 9,579 3,674 1,258 619	4.8 6.2 9.4	15,509 11,043 13,038 15,005 14,987 16,404 14,300 13,396 16,351	12,717 16,205 11,749 14,010 16,214 15,894 17,585 15,313 14,067 17,836	16,999 12,674 14,860 17,557 16,898 18,583 16,144 14,958 19,294	19 75 53 15 22 10 38 50 5
Ward Wells Williams Ohio Metropolitan portion Nommetropolitan portion	752 71 310 168,797 139,311 29,487	814 88 333 180,266 148,958 31,308	862 102 347 190,758 157,622 33,137		12,669 11,463 13,607 15,629 16,340 12,964	14,759 15,239 16,646 17,420	17,568 18,378		Van Wert Vinton Warren Washington Wayne Williams Wood Wyandot	427 110 1,675 818 1,497 557 1,768 310	440 116 1,805 857 1,578 593 1,903	462 123 1,974 911 1,674 619 1,989	6.3 6.1 4.3 4.5	14,054 9,919 15,247 13,059 14,931 15,149 15,785 13,820	16,086 13,726 15,632 16,084 16,877	11,048 17,228 14,645 16,464 16,727 17,522	85 17 55 29 25 16
Adams Allen Ashland Ashtabula Ashtabula Athens Auglaize Belmont Brown Butler Carroll Champaign	221 1,642 635 1,227 604 638 909 412 4,303 307	238 1.725	256 1,817 713 1,338 691 723 1,003 456 4,902 346	7.8 5.3 5.6 4.7 6.4 5.6 5.0 4.1 6.1 5.2	8,865 14,970 13,467 12,213 10,231 14,487 12,413 11,987 15,137 11,608	9,431 15,717 14,249 12,768 10,949 15,429 13,271 12,625 16,019	10,063 16,542 14,980 13,409 11,586 16,170 14,166 13,011 16,750 13,033	88 27 48 65 82 36 58 70 24	Oklahoma Metropolitan portion Nonmetropolitan portion Adair Alfalfa Atoka Beaver Beckham Blaine Bryan Caddo	42,990 27,487 15,503 169 109 106 108 222 168 326	45,684 29,389 16,295 190 114 112 108 234 168 346 363	48,602 31,238 17,363 202 122 113 117 245 175 369 389	6.4 6.3 6.6 6.4 6.7 1.4 7.4 4.6 4.1 6.4	13,572 14,684 11,966 9,194 16,466 8,208 17,126 11,260 13,973 10,142	14,501 15,733 12,707 10,344 17,582 8,727	15,451 16,692 13,627 10,971 19,103 8,888 19,455 13,080 15,332 11,479	67 8 77 5 0 48 20 63

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

				Jonai				-	Tersonal income by Cou						apita per		
Aron nome		Total persor ions of doll		Percent	rero	apita per Dollars	SUNAI III	Rank in	Aron namo		Total person ions of dolla		Percent	reic	Dollars	SONAL IN	Rank in
Area name	1988	1989	1990	change ²	1988	1989	1990	State 1990	Area name	1988	1989	1990	change ² 1989-90	1988	1989	1990	State 1990
Canadian Carter Cherokee Choctaw	1,009 595 333 152 74	1,087 628 365 160	1,166 664 390 166	7.3 5.8 6.8 3.7	13,892 13,552 9,891 9,773	14,778 14,504 10,788 10,366	15,508 11,416	64	Jefferson	167 753 723 110 3,787	179 829 780 114 4,185	192 890 828 119 4,470	7.6 7.5 6.2 4.9 6.8	12,779 12,332 12,732 15,509 13,850	13,384 13,406 13,650 15,978 15,055	13,953 14,140 14,298 16,521 15,701	35 33 11
Cimaron Cievaland Coal Comanche Cotton Craig Creek Cottor Craig Creek Coster C	2,231 55 1,361 88 180 783 349	74 2,381 59 1,413 91 192 836 365	81 2,530 59 1,474 97 202 885 388	9.3 6.3 .7 4.3 7.5 5.0 5.9 6.5	21,956 13,206 9,365 12,067 13,042 12,607 12,468 12,616	22,385 13,865 10,184 12,626 13,548 13,573 13,553 13,414	14,443 10,274 13,228 14,680 14,340 14,577 14,480	31 75 44 27 33 29 30	Lincoln	523 1,126 319 3,066 121 9,416 622 48	575 1,218 354 3,377 127 10,441 683 45	623 1,298 378 3,687 144 11,271 735 47	9.2 13.3 7.9 7.6 4.5	14,047 12,701 12,184 13,962 15,738 16,494 13,064 24,427	15,098 13,550 13,609 15,076 16,666 18,111 14,066 23,425	24,655	34 32 16 7 6 29
Delaware Dewey Ells Garfield Garvin Grady Grant Greer Harmon Harper	262 83 69 865 347 491 110 75 50 68	283 87 73 899 363 516 114 80 51 74	304 91 76 941 383 538 123 85 58 79	7.3 4.3 3.6 4.7 5.5 4.3 7.4 7.5 14.3 6.2	9,524 14,432 14,196 14,641 12,681 11,556 18,496 11,115 12,636 15,958	10,180 15,533 15,738 15,580 13,503 12,299 19,680 12,022 13,053 18,030	16,467 16,986 16,667 14,438 12,914 21,676 13,057 15,311	13 32 51 2 49 21	Tillamook Umatilla Union Wallowa Wasso Washington Wheeler Yamhill	274 769 304 100 309 5,079 24 841	296 826 328 110 334 5,700 26 936	325 896 347 121 359 6,281 29 1,012	9.7 8.5 5.8 9.7 7.5 10.2 8.9 8.1	13,109 13,175 13,101 14,528 14,400 17,459 16,455 13,592	13,952 14,067 14,016 16,002 15,506 18,891 18,626 14,685	14,967 15,069 14,634 17,461 16,501 19,932 20,531 15,295	25 31 8 12 5 3
Haskeli Hughes Jackson	114 130 371	125 138 356	131 148 385	4.3 7.4 7.9	10,338 9,799 12,605	11,420 10,507 12,287	11,370 13,396	42	Pennsylvania Metropolitan portion Nonmetropolitan portion	194,555 170,472 24,083	208,938 183,100 25,837	222,141 194,709 27,433	6.3 6.3 6.2	16,422 16,980 13,322	17,608 18,200 14,308	18,679 19,301 15,197	
Jefferson Johnston Kay Kingfisher Kingma Latimer Le Flore	87 92 794 207 155 96 445	89 98 785 209 160 105 487	91 104 837 212 176 112 527	3.0 6.3 6.7 1.5 9.8 7.5 8.2	11,873 9,063 16,230 15,000 13,266 9,345 10,417	12,437 9,713 16,236 15,526 13,959 10,169 11,328	10,366 17,447 16,130 15,528 10,864 12,141	18 69 57	Adams Alieghery Armstrong Beaver Bedford Berks Blair Bradford	1,157 24,088 1,078 2,480 541 5,849 1,682 811	1,240 25,786 1,150 2,637 579 6,334 1,812 878	1,322 27,601 1,228 2,817 620 6,634 1,929	6.7 7.0 6.8 6.8 7.2 4.7 6.5	15,255 17,787 14,497 13,113 11,346 17,689 12,823 13,217	16,057 19,187 15,574 14,075 12,096 18,965 13,852 14,366	16,808 20,681 16,738 15,162 12,924 19,655 14,779 15,246	40 65 7 44 37
Lincoln Logan Love McClain McCurtain McIntosh Major Marshall Mayes Murray	314 352 93 288 334 162 112 125 368 127	335 369 99 306 357 174 119 133 396 133	354 388 107 321 374 184 125 140 424 138	5.7 5.1 8.6 4.7 4.8 5.7 5.3 6.0 7.0 3.7	10,759 11,978 11,524 12,516 9,874 9,591 13,490 11,467 10,996 10,317	11,486 12,680 12,234 13,410 10,625 10,361 14,631 12,232 11,885 10,977	13,400 13,138 14,083 11,180 10,962 15,616 12,973	46 35 66 68 16 50	Bucks Butter Cambria Cameron Carbon Centre Chester Clarion Clearfield Clinton	10,595 2,252 2,069 80 755 1,626 7,977 513 1,011	11,515 2,445 2,202 83 814 1,791 8,717 551 1,067 464	12,251 2,626 2,354 88 865 1,921 9,373 583 1,125 487	6.4 7.4 6.9 5.4 6.3 7.3 7.5 5.8 5.4 5.0	20,053 14,918 12,424 13,200 13,528 13,355 22,149 12,213 12,795 11,878	21,496 16,135 13,383 13,962 14,430 14,573 23,595 13,168 13,596 12,461	22,548 17,251 14,473 14,900 15,177 15,476 24,732 13,989 14,415 13,115	17 48 42 38 35 2 57 50
Muskogee Noble Nowata Okfuskee Oklahoma Okmuigee Osage Otawa Pawnee Payne	814 144 113 106 9,444 402 445 329 193 723	865 153 121 114 10,094 410 464 352 206 802	923 162 126 123 10,636 436 485 373 217 856	6.6 5.8 4.7 7.8 5.4 6.4 4.5 5.9 5.3 6.8	11,880 12,770 10,955 9,172 15,625 10,772 10,626 10,496 12,126 11,624		14,713 12,701 10,607 17,741 11,981 11,637 12,236 13,983	36	Columbia Crawford Cumberland Dauphin Delaware Elk Erie Fayette Forest Franklin	3,267 3,804 11,296 523 3,913 1,810 56 1,698	862 1,163 3,547 4,098 12,231 557 4,210 1,902 59 1,858	3,769 4,370 12,954 587 4,499 2,037 63 1,976	5.7 6.8 6.6 5.9 5.4 6.9 7.1 7.3 6.3	12,812 12,489 16,985 16,115 20,529 14,706 14,134 12,204 11,654 14,194	13,662 13,455 18,286 17,289 22,291 15,832 15,246 12,973 12,164 15,422	14,406 14,417 19,254 18,348 23,658 16,872 16,331 14,051 13,115 16,281	52 49 9 12 3 21 28 56
Pittsburg Pontotoc Pottawatomie Pushmataha Roger Mills Rogers Seminole Sequoyah Stephens Texas Tillman	443 408 721 96 61 708 289 329 537 291	468 431 764 103 62 763 292 346 555 295	500 454 798 107 62 821 307 364 587 315	6.8 5.4 4.4 4.4 5 7.6 5.1 5.3 5.8 6.9	10,765 11,954 12,111 8,554 13,702 12,984 10,970 9,852 12,477 17,085	12,646 12,959 9,287 14,646 13,928 11,340 10,286 13,037	13,303 13,597 9,774 15,085 14,846 12,145 10,730 13,901 19,257	39 76 22 24 56 72	Fulton Greene Huntingdon Indiana Jefferson Juniata Lackawanna Lancaster Lawrence Lebanon Lehigh	171 439 473 1,109 609 272 3,290 6,872 1,272 1,638 5,057	509 1,167 649 293 3,510 7,553 1,347 1,770 5,464	200 500 538 1,245 682 3,715 8,723 1,419 1,881 5,776	6.8 7.1 5.6 6.7 5.0 3.3 5.2 5.4 6.3 5.7	12,532 10,967 10,804 12,259 13,060 13,369 14,941 16,786 13,001 14,566 17,645	13,591 11,739 11,569 12,939 14,012 14,266 15,991 18,111 13,893 15,636	14,393 12,645 12,158 13,841 14,809 14,626 16,963 18,878 14,774 16,500	53 66 67 60 43 46 19 11 45 26
Tulsa Wagoner Washington Washita Woods Woodward	8,345 605 817 144 153 250	9,012 655 858 153 157 258	9,725 704 961 167 169 282	7.9 7.4 12.1 8.9 7.5 9.3	16,627 12,725 17,104 11,706 16,140 12,550	17,954 13,746 17,919 13,020 17,013 13,317	19,295 14,665 19,963 14,734 18,690 14,942	6 28 3 25 9 23	Luzeme Lycoming McKean Mercer Miffin Monroe	4,755 1,667 601 1,612 554 1,443 16,972	5,098 1,782 639 1,719 594 1,585	5,383 1,876 678 1,835 624 1,701 19,342	5.6 5.3 6.2 6.7 5.2 7.3 6.1	14,431 14,124 12,585 13,198 11,999 16,110 25,318	18,895 15,510 15,048 13,472 14,151 12,856 17,032 27,028	16,405 15,778 14,408 15,177 13,509 17,592 28,462	27 33 51 38 61 16
Oregon	41,130 29,387 11,743	45,370 32,560 12,810 210	49,159 35,363 13,796 225	8.4 8.6 7.7 7.1	15,002 15,717 13,467 11,898	16,258 17,064 14,515 13,795	18,030 15,333		Montgomery	280 3,994 1,250 532	18,237 303 4,289 1,340 571	322 4,549 1,409 618	6.3 6.1 5.2 8.2	16,006 16,551 12,816 13,313	17,167 17,534 13,800 14,059	18,116 18,336 14,570 14,941	14 13
Baker Benton Clackamas Clatsop Columbia Coos Crook Curry Deschutes Douglas	998 4,617 488 494 778 183 247 993 1,230	1,098 5,104 545 538 839 203 277 1,137	1,173 5,610 568 585 901 220 296 1,271 1,405	6.8 9.9 4.3 8.8 7.4 8.8 6.8 11.7	14,576 17,423 15,031 13,609 13,137 13,494 13,670 13,866 13,366	15,795 15,786 18,760 16,585 14,572 14,066 14,650 14,778 15,520 14,087	16,460 19,942 16,982 15,493 14,894 15,514 15,132 16,817	13 4 9 22 27 21 24 10	Perry Philadelphia	23,679 447 203 2,155 560 972 77 505 466	25,009 502 216 2,289 612 1,039 82 533 502	26,494 543 232 2,417 648 1,116 88 566 535	5.9 8.2 7.2 5.6 5.8 7.4 7.4 6.2 6.5	14,809 17,513 11,954 13,978 15,550 12,345 12,585 12,658 11,343	15,718 18,641 12,844 14,937 16,824 13,241 13,360 13,281 12,221	16,721 19,145 13,897 15,853 17,610 14,270 14,335 13,987 12,993	24 10 59 32 15 55 54 58
Gilliam Grant Harney Hood River Jackson	33 111 101 235 1,959	34 115 106 255 2,132	36 126 115 279 2,298	9.6	18,663 14,286 14,430 14,303 13,952	15,055 15,291	15,998 16,257 16,421	2 17 15 14 20	Union	487 848 652 2,995	903 713 3,170	965 761 3,397	5.2 6.8 6.7	13,634 14,075 14,309	14,654 15,116	15,297 16,267 16,918	36 30 20

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	Total personal income						sonal inc			,	otal person			Per c	apita per	sonal inc	come 3
Area name		ons of dolla		Percent change 2				Rank in	Area name		ons of dolla		Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
Wayne Westmoreland Wyoming York Rhode Island Metropolitan portion Nonmetropolitan portion	560 5,573 386 5,861 16,873 15,255 1,618	611 5,899 413 6,295 18,101 16,386 1,715	652 6,316 436 6,643 18,901 17,129 1,772	4.4 4.5	14,357 14,916 13,918 17,577 16,932 16,777 18,545		17,069 15,503 19,502 18,809 18,665 20,320	34 8	Edmunds Fall River Faulk Grant Gregory Haakon Hamlin Hand Hanson	55 97 38 101 59 40 55 60 31	65 104 41 121 71 43 61 70 35	70 111 46 129 80 48 66 84	6.6 11.3 6.1 12.6 12.4 9.4 19.9	12,204 12,937 13,354 11,861 10,667 14,955 10,878 13,506 10,221	14,747 13,992 14,751 14,401 13,054 16,137 12,099 16,115 11,479	16,119 15,103 16,814 15,384 14,914 18,383 13,360 19,667 12,411	42 17 37 45 8 54 54
Bristol Kent Newport Providence Washington South Carolina Metropolitan portion	945 2,908 1,618 9,503 1,899 45,123 29,181	1,042 3,104 1,715 10,188 2,053 48,286 31,265	1,074 3,239 1,772 10,668 2,148 52,971 34,453	9.7 10.2	19,375 18,091 18,545 16,043 17,673 13,222 14,150	18,847 13,969 14,942	20,086 20,320 17,866 19,449 15,141 16,244	5	Harding Hughes Hutchinson Hyde Jackson Jerauld Jones	22 210 105 22 23 28 21	21 232 123 25 26 34 23 92	27 249 135 32 29 39 26	7.1 9.6 25.2 10.1 16.6 15.3	12,656 14,205 12,420 12,438 7,775 11,189 15,224	12,769 15,687 14,739 14,495 9,207 13,596 16,878	16,016 16,755 16,372 18,768 10,381 16,178 19,923	18 2 20 3 6 62 3 24 3 4
Abbeville Aiken Allendale Anderson Bamberg Barnweil Beaufort Berkeley Calhoun Charleston	15,942 248 1,683 107 1,810 158 244 1,341 1,416 139 4,024	17,022 263 1,948 117 1,936 168 267 1,476 1,462 152 3,963	279 2,172 127 2,068 177 286 1,579 1,673 157 4,742	6.0 11.5 9.3 6.8 5.3 7.1 7.0 14.4 2.9 19.7	11,806 10,519 14,244 9,262 12,675 9,202 12,040 15,870 11,397 10,992 13,946	11,099 16,255 10,027 13,422 9,885 13,153 17,231 11,523 11,986 13,552	11,673 17,898 10,843 14,205 10,514 14,073 18,207 12,917 12,281 16,015	30 7	Kingsbury Lake Lawrence Lincoln Lyman McCook McPherson Marshall Meade Mellette Minner Minnerhaha	80 138 251 190 42 74 38 56 271 20 42 1,908	154 281 219 49 84 45 69 303 23 50 2,100	101 168 308 230 57 90 52 77 332 28 52 2,299	9.5 9.7 4.9 16.0 8.2 15.3 10.5 9.4 23.9 5.7 9.4	13,160 12,882 12,315 12,532 11,518 12,615 11,214 11,388 12,367 9,222 12,541 15,587	15,368 14,480 13,671 14,296 13,518 14,542 13,812 14,208 13,852 10,588 14,976 17,052	18,526	29 47 48 34 30 32 22 31 41 7 56 7 56 7
Cherokee Chester Chesterield Clarendon Colleton Darlington Dillon Dorchester Edgefield Farfield Florence	590 333 446 257 352 716 297 997 194 254	622 360 467 263 371 773 319 1,060 208 274	656 382 504 297 408 831 336 1,175 219 295	5.6 7.9	13,569 10,525 11,640 9,110 10,343 11,583 10,117 12,639 10,733 11,664 12,623	11,266 12,143 9,297 10,848 12,504 10,902 13,038	13,038 10,415 11,843 13,433 11,554 14,040 11,904 13,200	25 44 33 23 38 19 31	Moody Pennington Perkins Potter Roberts Sanborn Shannon Spink Starley Sully Todd	1,095 60 49 104 55 122 34 36 49	90 1,188 71 52 121 39 63 142 37 40	1,293 80 57 130 42 71 168 41 48 64	8.9 12.0 8.8 8.0 6.7 12.5 18.0 12.3 20.1	11,695 13,880 14,635 14,800 10,161 11,473 5,236 14,692 13,440 21,222 6,173	12,019	15,820 20,460 17,875 13,179 14,907 7,263 21,160 16,852 30,246	33 3 3 5 10 5 57 7 46 3 66 2 16 5 1
Georgetown Greenville Greenwood Hampton Horry Jasper Kershaw Lancaster Laurens	552 4,884 782 205 1,800 154 570 650 677	5,326 5,326 841 220 1,860 165 600 689 740	5,743 905 232 2,133 178 655 747 809	18.1 7.8 7.5 5.3 14.7 8.1 9.2 8.4	12,168 15,604 13,305 11,325 13,149 10,092 13,417 12,055 11,906	12,548 16,788 14,194 12,127 13,186 10,698 13,914 12,696	14,659 17,874 15,154 12,748 14,693 11,462 14,966 13,678	16 4 10 29 14 39 11 22	Tripp Tumer Union Walworth Yankton Ziebach Tennessee Metropolitan portion	85 109 140 81 242 21 68,092 49,836	92 123 161 89 268 22 72,859 53,398	108 135 179 96 288 29 77,550 56,878	17.7 9.5 11.5 7.8 7.7 32.9	12,044 12,539 13,633 12,818 12,593 9,063 14,118 15,331	13,163 14,297 15,710 14,428	15,660 15,758 17,606 15,830 14,967	0 36 35 5 12 0 32 7 44 5 55
Lee Lexington McCormick Marion Mariboro Newberry Coonee Orangeburg Pickens Richland Saluda	160 2,574 80 343 279 409 762 955 1,190 4,200	166 2,823 87 369 303 434 836 1,026 1,305 4,566	184 3,046 98 399 329 458 906 1,106 1,406 4,915	7.9 12.9 8.2 8.7 5.4 8.4 7.8 7.7 7.6	8,622 15,602 9,316 10,174 9,375 12,519 13,721 11,336 13,062 15,060	9,910 10,901 10,266 13,170 14,753 12,132 14,068 16,136	18,126 10,977 11,765 11,234 13,767 15,682 13,028 14,903 17,137	2 41 36 40 21 9 26 13	Nonmetropolitan portion Anderson Bedford Benton Bledsoe Blount Bradley Campbell Cannon Carroli Carter	984 401 167 90 1,158 963 343 128 311 521	19,462 1,047 426 180 95 1,230 1,030 356 135 334 545	20,672 1,121 439 193 100 1,319 1,084 383 142 353 587	7.1 3.0 6.8 5.4 7.3 5.2 7.4 5.7 5.6	11,610 14,520 13,378 11,397 9,426 13,681 13,271 9,724 12,267 11,230	12,354 15,385 14,100 12,376 9,884 14,401 14,070 10,136 12,867	13,095 16,402 14,412 13,285 10,367 15,304 14,665 10,912 13,587 12,827	9 24 5 41 7 87 15 20 2 81 7 34 7 51
Spartanburg Sumter Union Williamsburg York South Dakota Metropolitan portion Aurora	3,097 1,039 327 337 1,875 9,012 3,003 6,009	3,352 1,123 344 340 2,006 10,097 3,288 6,809	3,590 1,217 361 378 2,211 11,061 3,592 7,469	8.4 4.9 11.0 10.2 9.6 9.2 9.7	10,800 9,128 14,845 12,906 14,918 12,091	11,065 11,364 9,222 15,508 14,492 16,161 13,804	15,776 11,803 11,901 10,255 16,713 15,890 17,451 15,234	8 35 32 45 6	Cheatham Chester Claiborne Clay Cocke Coffee Crockett Cumberland Davidson Decatur	337 138 287 73 271 562 149 374 8,880 106	356 137 312 81 287 595 166 404 9,496 114	381 148 334 87 315 627 177 434 9,986	7.1 7.6 9.6 5.3 6.5 7.3 5.2	11,004 9,942 9,331 14,034 10,937 11,166	10,700 11,932 11,118 9,865 14,798 12,327 11,825 18,694	11,530 12,766 12,031 10,794 15,518 13,280 12,420 19,505	73 55 53 61 61 82 83 12 0 42 0 55 5
Beadle Bennett Bon Homme Brookings Brown Brule Buffalo Butte Campbell Charles Mix	102	278 44 99 321 558 72 15 99 30	106 34 127	6.5 18.6 9.5 7.1 8.3 14.9 4.5 7.8 10.8	13,268 10,242 12,414 11,048 14,072 10,797 6,687 11,086 13,650	15,148 13,743 13,918 12,708 15,621 13,007 8,367 12,409 15,242	16,205 16,351 15,230 13,626 16,996 15,068 8,610 13,477 17,166	5 23 21 40 52 15 15 43 64 7 53 13	Dekalb Dickson Dyer Fayette Fentress Franklin Gibson Giles Grainger Greene	175 467 446 303 126 368 601 159 637	173 491 494 325 133 392 628 330 169 684	187 527 518 341 141 411 651 350 180 727	8.3 7.4 4.9 5.0 6.1 4.8 3.6 6.1 6.3	12,253 13,785 12,842 11,933 8,539 10,760 12,804 12,310 9,286 11,392	12,063 14,220 14,197 12,761 9,024 11,355 13,491 12,879 9,889	13,018 14,961 14,854 13,344 9,617 11,797 14,075 13,582	8 46 1 17 4 18 4 38 7 93 7 66 5 25 2 35 4 85
Clark Clay Codington Corson Custer Davison Day Deuel Dewey Douglas	59 148 281 39	71 161 316 41 90 265 110 59	79 173 347 48 99 287 122 63	9 11.4 7.4 9.6 17.2 9.1 8.2 10.7 7.4 13.9	13,128 11,204 12,433 8,810 12,980 13,528 12,416 10,683 8,191	15,830 12,237 13,976 9,650 14,523 15,130 15,589 12,840 8,782	17,901 13,136 15,257 11,634 16,003 16,396	9 55 58 7 39 4 60 8 28 5 19 1 11 0 50 63	Grundy Hamblen Hamilton Harcock Hardeman Hardin Hawkins Hawwood Henderson Henry	130 605 4,654 51 243 238 468 229 243	140 651 4,904 555 257 249 493 234 257 350	147 695 5,216 61 274 263 538 251 269	7 4.9 6.7 6.4 11.1 4 6.4 5.7 8 9.0 7.1 7.1	9,605 11,875 16,414 7,557 10,378 10,575 10,517 11,706 11,135	10,441 12,847 17,225 8,079 11,008	11,020 13,779 18,242 8,996 11,710 11,603 12,061 12,905 12,317	0 79 9 32 2 4 6 94 0 68 3 70 1 60 5 49 7 56

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

	Total personal income					apita per			reisonal medine by coul	Total personal income					Per capita personal income ³			
Area name		ions of doll		Percent change 2		Dollars		Rank in State	Area name		ions of dolla		Percent change 2		Dollars		Rank in State	
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990	
Hickman Houston Humphreys Jackson Jefferson Johnson Knox Lake Lauderdale Lawrence	185 76 186 84 378 118 5,174 69 269 410	193 80 196 87 406 123 5,506 70 278 428	206 83 204 92 440 136 5,844 78 289 466	4.2 4.8 8.4 10.7 6.2 11.5	11,241 10,942 11,802 9,016 11,481 8,533 15,516 9,497 11,374 11,679	11,615 11,380 12,389 9,415 12,307 8,910 16,445 9,790 11,791 12,163	12,246 11,844 12,900 9,846 13,309 9,901 17,382 11,024 12,292 13,193	50 89 40 88 5 78 57	Cameron Camp Carson Cass Castro Charokee Childress Clay Cochran	2,071 148 106 360 135 236 480 76 133 66	2,278 172 109 380 140 248 510 82 140 62	2,543 179 118 410 157 267 545 86 150 75	3.7	8,158 14,854 16,051 11,921 14,512 11,540 11,795 12,369 13,186 14,754	8,873 17,350 16,632 12,689 15,259 12,282 12,507 13,732 14,019 14,107	13,238 14,412 14,960	46 49 176 62 193 196 145	
Lewis Lincoln Loudon McMinn McNairy Macon Madison Marion Marshall Maury	84 350 378 497 241 168 1,020 260 276 703	91 368 408 543 263 1,73 1,106 277 298 816	97 390 433 571 274 185 1,191 299 312 923	6.2 5.0 4.3 7.0 7.7	9,019 12,580 12,267 11,727 10,765 10,651 13,146 10,573 13,031 13,008	9,805 13,144 13,138 12,825 11,733 10,881 14,216 11,203 13,907 14,978	10,466 13,805 13,832 13,455 12,232 11,601 15,262 12,024 14,461 16,806	30 37 59 71 16 62 22	Coke Coleman Collin Collingsworth Colorado Comal Comanche Concho Cooke Coryel	47 129 4,802 44 257 808 156 42 378 697	49 144 5,367 46 276 865 175 45 395 729	51 142 5,967 49 296 931 195 47 428 781	4.4 -1.6 11.2 7.0 7.4 7.6 11.1 4.7 8.3 7.2	13,583 12,965 19,736 11,676 13,614 16,209 11,643 13,441 12,517 11,066	14,374 14,718 21,096 12,579 14,866 17,015 13,122 14,747 12,976 11,475	22,303 13,876 16,157 17,843 14,556 15,514 13,848	134 10 165 85	
Meigs Monroe Montgomery Moore Morgan Obion Overton Perry Pickett Polk	84 311 1,168 51 153 435 153 71 34 137	89 338 1,255 54 170 444 160 75 36 143	94 360 1,332 56 185 457 170 79 39	8.8 4.7	10,664 10,269 12,095 10,690 8,978 13,578 8,678 10,862 7,454 10,084	11,152 11,097 12,703 11,530 9,896 13,958 9,075 11,469 7,970 10,503	11,666 11,772 13,169 11,854 10,639 14,417 9,642 11,987 8,645 10,979	80	Cottle Crane Crockett Crosby Culberson Dallam Dallas Dawson Deel Smith Delta	33 57 55 97 35 93 34,537 190 293 60	36 58 60 97 35 95 36,717 186 302 63	41 63 64 116 38 107 39,062 208 332 67	14.2 8.5 5.4 20.2 8.3 11.8 6.4 11.9 10.0 6.7	13,567 11,943 12,910 12,692 10,036 15,819 18,987 12,698 15,136 12,355	15,530 12,453 14,525 13,023 10,287 16,975 20,025 12,772 15,748 12,990	13,672	36 177 100 94 235 23 17 138 63 172	
Putnam Rhea Roane Robertson Rutherford Scott Sequatchie Sevier Shelby Smith	663 295 644 513 1,595 182 85 603 13,225 182	708 307 679 545 1,724 191 92 647 14,290	749 337 728 574 1,855 204 99 697 15,257 208	5.8 9.9 7.1 5.4 7.6 6.9 7.9 7.7 6.8 7.2	13,067 12,149 13,554 12,721 14,267 9,752 9,626 12,304 16,161 12,817	13,864 12,616 14,347 13,283 14,903 10,304 10,395 12,899 17,364 13,700	14,550 13,841 15,411 13,776 15,501 11,119 11,197 13,577 18,430 14,726	21 29 14 33 13 77 76 36 3	Denton De Witt Dickens Dimmit Donley Duval Eastland Ector Edwards	4,188 230 36 71 61 129 209 1,607 24 1,189	4,564 242 39 73 66 141 222 1,678 28 1,268	4,948 260 42 85 74 154 237 1,752 29 1,369	8.4 7.1 6.6 17.7 12.5 9.1 6.5 4.4 3.3 8.0	16,930 11,838 13,208 6,609 15,951 9,833 10,973 13,167 11,041 14,684	17,455 12,734 14,904 6,882 17,536 10,909 11,892 13,985 12,632 15,245	17,801 13,826 16,322 8,213 20,047 11,932 12,851 14,766	54 168 82 250 20 230 207 130 209 96	
Stewart Sullivan Sumner Tipton Trousdale Unicoi Union Van Buren Warren Washington	100 1,967 1,515 448 70 184 113 44 386 1,268	105 2,103 1,610 484 72 194 121 46 416 1,375	110 2,262 1,715 528 77 210 135 47 437 1,476		10,731 13,691 15,188 12,280 11,884 11,088 8,504 9,133 11,808 13,719	11,115 14,639 15,819 13,052 12,204 11,732 8,975 9,410 12,640 14,888	11,601 15,747 16,514 13,978 12,983 12,683 9,843 9,753 13,222 15,982	54 90 91 43 10	El Paso Erath Falls Fannin Fayette Fisher Floyd Foard Fort Bend Franklin	5,874 358 184 303 298 62 116 28 3,334	6,451 390 197 315 314 69 108 30 3,751	6,871 423 214 339 339 73 126 33 4,170	6.5 8.6 9.0 7.7 8.0 5.4 17.1 6.9 11.2	10,256 13,266 10,281 12,168 14,739 12,404 13,276 15,188 15,782 13,104	11,085 14,190 11,077 12,718 15,620 14,038 12,586 16,753 17,148 13,991	11,545 15,023 12,101 13,678 16,886 15,048	233 122 228 175 71 121 128 43 41 143	
Wayne Weakley White Williamson Wilson Texas Metropolitan portion Nonmetropolitan portion	138 390 237 1,680 1,011 245,572 206,446 39,125	144 421 246 1,853 1,075 263,566 222,242 41,324	148 446 257 1,968 1,141 285,101 240,569 44,532	6.1 8.2 8.2	9,905 12,101 11,852 21,881 15,490 14,732 15,243 12,518	10,294 13,129 12,270 23,393 16,124 15,682 16,231 13,270	10,631 13,972 12,777 24,084 16,759 16,717 17,267 14,261	52 1 7	Freestone Frio Gaines Galveston Garza Gillespie Glasscock Goliad	190 104 154 3,346 55 257 24 77	201 116 149 3,554 58 279 22 81	213 137 181 3,865 63 300 27 88	5.8 18.3 21.6 8.7 9.0 7.4 20.5 8.4	11,863 7,607 10,706 15,455 10,258 15,412 16,524 13,237	12,705 8,561 10,470 16,421 11,144 16,503 15,406 13,825	13,476 10,169 12,834 17,744 12,343 17,326 18,344 14,681	188 240 208 55 222 64 38 133	
Anderson Andrews Angelina Aransas Archer Armstrong Atascosa Austin Bailey Bardera Bastrop	529 194 917 213 116 39 306 311 126 140	567 200 971 235 122 40 334 329 126 154	603 219 1,056 254 131 44 358 360 138 167	8.8 8.1 6.7 9.5 7.1 9.2 9.7 8.0	11,166 13,107 13,206 12,049 14,674 19,749 10,274 15,629 17,362 14,070	13,785 13,975 13,252 15,465 20,225 11,091 16,616 17,691 15,004	12,520 15,316 15,085 14,167 16,323 21,740 11,656 18,120 19,658 15,624	119 152 81 12 231 44 24 103	Gonzales Gray Grayson Gregg Ginnes Guadalupe Hale Hall Hamilton Hansford Hardeman	215 419 1,384 1,558 207 799 459 57 107 141	237 420 1,446 1,637 221 854 480 53 118 145 84	1,549 1,760 240 906 531 62 124 161 87	62 3.7 7.2 7.5 8.4 6.1 10.6 17.9 5.1 11.3	16,840 14,589 14,715 11,050 12,978 13,022 13,282 13,773 23,429 14,164	11,812 13,493 13,794 13,054 15,209 24,607 15,600	18,240 16,282 16,775 12,729 13,838 15,337 16,140 15,967 27,680 16,485	83 72 215 167 112 86 92 4 79	
Baylor	65 272 2,332 16,239 85 16 202 1,068 2,947	73 294 2,455 17,436 97 16 215 1,144 3,155	75 315 2,601 18,473 107 20 222 1,240 3,448	3.6 7.2 5.9 5.9 10.6 27.4 3.3 8.4	14,548 10,698 12,574 14,052 14,649 19,863 13,608 13,141 15,454	16,451 11,669 13,047 14,908 16,436 19,353 14,369 14,075	17,204 12,555 13,536 15,508 17,850 24,897 14,624 15,151 17,951	66 219 184 107 50 7 137 116 47	Hardin Harrison Harrison Hartley Haskell Hays Hemphill Henderson Hidalgo	487 46,086 697 77 101 763 63 657 2,828 331	514 50,227 741 80 105 827 68 695 3,113 349	555,172 796 84 112 913 74 746 3,438 372	10.4 6.5	11,663 16,562 12,191 20,941 14,302 12,291 15,246 11,634 7,684 12,290	12,416 17,966 12,954 22,050 15,147 12,935 17,487 12,093 8,281 12,948	19,517 13,826 23,085 16,535 13,787 20,136 12,662 8,899 13,681	27 168 9 78 170 19 216 248 174	
Brewster Briscoe Brooks Brooks Brown Burleson Burnet Caldwell Calloun Callahan	88 36 72 422 158 324 296 246 142	95 33 76 450 168 347 313 264	106 39 82 477 179 367 338 293	11.6 16.5 7.5 6.0 6.6 5.8 8.1 11.0	10,275 17,247 8,735 12,195 11,452 14,555 11,174 12,573 11,952	10,996 16,625 9,299 13,087 12,320 15,444 11,853 13,746	12,122 19,936 9,988 13,878 13,157 16,113 12,792 15,417	226 22 242 164 197 87 211	Hockley Hood Hopkins Houston Howard Hudspeth Hunt Hutchinson	284 470 373 290 447 33 892 420	288 507 401 307 467 32 939 417	330 559 423 302 517 38 997 451	14.6 10.2 5.5 -1.5 10.5 17.2 6.2	17,161 13,047 13,449 13,432 11,325 13,990	11,887 17,979 13,981 14,331 14,304 11,084 14,690	13,641 19,099 14,627 14,136 16,017 13,057	30 136 155 91 200 108	

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

				apita per			reisonal income by Coul	Total personal income				Per capita personal incom					
Area name		Fotal persor		Percent	nt Dellars Rank in			Rank in	Area name	Milli	Percent			Dollars		Rank in	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1988	1989	1990	change ² 1989-90	1988	1989	1990	State 1990	7.104 (14.11)	1988	1989	1990	change ² 1989–90	1988	1989	1990	1990
Irion	29 84 183	33 90 193	34 94 205	4.4 4.8 6.4	17,156 11,698 13,720	20,040 12,741 14,719	13,514	16 185 99	San Saba Schleicher Scurry Shackelford	74 36 235 54	80 40 246 59	84 41 269 64	5.3 2.1 9.5 7.5	13,435 11,883 12,190 15,282	14,754 13,205 13,021 17,320	15,645 13,607 14,494 19,320	182 141
Jasper	380 21 3,605 54 374	391 23 3,847 60 393	418 25 4,165 62 438	7.0 9.6 8.3 4.0 11.5	12,128 11,033 14,806 10,283 9,754	12,555 11,946 15,993 11,673 10,378	17,418 12,252	190 205 60 223 232	Shelby Sherman Smith Somervell	264 83 2 339	59 285 77 2,480 76	300 89 2,658 77	5.4 14.6 7.2 1.7	11,891 28,078 15,669 14,306	12,907 26,811 16,530 14,549	13,619 31,167 17,511 14,335	181 1 58
Johnson Jones Karnes Kaufman Kendali	1,338 216 133 740 274	1,414 224 145 777 306	1,526 236 151 839 327	7.9 5.0 4.7 8.0 6.9	14,408 12,652 10,431 14,713 19,458	14,877 13,440 11,505 15,156 21,339	15,587 14,343 12,185 15,963	105 148 225	Starr Stephens Sterling Stonewall Sutton Swister	73 175 109 19 32 53 147	196 117 20 36	227 122 22 39 64 172	16.4 4.3 8.9 8.0 6.9 20.8	4,596 11,576 12,433 15,345 11,621 17,480	4,961 12,797 13,625 17,714 13,856 17,269	5,559 13,641 15,075 19,554 15,667 21,205	254 179 120 26 101
Kenedy Kent Kerr Kimble King Kinney	10 14 584 59 6 30	9 15 631 64 6 33	10 16 678 67 8 35	9.0 7.5 5.7 29.7	19,706 13,650 16,394 14,123 15,851 10,335	19,501 14,450 17,554 15,456 17,569 11,038	23,238		Tarrant Taylor Terrell Terry Throckmorton	19,083 1,725 23 181 33	142 20,422 1,818 27 164 34	22,168 1,918 28 192 39	8.5 5.5 1.3 16.8 12.3	16,901 14,353 16,100 13,309 17,011	17,766 15,202 19,154	18,825 16,021 19,653 14,548 20,630	90 25 140
Knox Lamar Lamb Lampasas	369 60 577 254	384 65 611 245	415 73 650 284	8.2 12.5 6.5 15.6	11,874 11,937 13,157 16,127	12,553 13,216 13,940 16,015	13,752 15,091 14,769	173 118 129 32	Titus Tom Green Travis Tnity Tyler Upshur	311 1,385 8,984 121 210 361	334 1,476 9,724 131 222 380	371 1,564 10,633 140 239 407	11.0 6.0 9.3	13,025 14,313 16,091 10,737 12,374 11,516	14,004 15,145 17,146 11,538 13,292	15,432 15,830	110 98 39 224 146
La Salle Lavaca Lee Leon Liberty Limestone Lipscomb Live Oak Ulano	41 259 165 164 632 240 51 114 188	45 282 172 174 686 260 55 127 201	48 300 182 187 745 275 57 132 214	6.7 6.4 5.9 7.2 8.6 6.0 4.9 3.9	7,505 13,839 12,809 13,021 11,945 11,638 15,306 11,723 16,205	8,478 15,110 13,387 13,861 13,028 12,499 16,937 13,215 17,313	9,206 16,031 14,150 14,731 14,114 13,088 18,339 13,783	245 89 154 131 156 199 40 171	Upton	58 263 352 486 1,083 585 286 173	60 278 385 516 1,151 617 302 184	65 300 401 550 1,241 657 332	8.2 8.1 4.2 6.6	12,524 11,204 9,163 13,077 14,544 11,562 12,364 12,501	13,334 11,916 9,995 13,751 15,515 12,188 12,984 13,719	14,726 12,866 10,326 14,446 16,673	132 206 239 144 74 204 153
Loving Lubbock Lynn McCulloch McLennan McMullen Madison	3,016 101 114 2,489	3,203 92 112 2,637 22 143	3,446 114 118 2,830 23 154	1.9 7.6 24.2 5.0 7.3 5.4 8.0	23,126 13,650 14,041 12,995 13,297 21,943 11,812	24,266 14,472 13,224 12,843 14,041 26,493 12,952	25,196 15,443 16,950 13,410 14,925 27,884 14,101	6 109 70 192 127 2 157	Washington Webb Wharlon Wheeler Wichita Wilbarger Wildary	429 972 526 96 1,869 202 134	467 1,076 561 102 1,981 211 137	497 1,205 608 109 2,097 229 157	6.6 12.1 8.4 6.8 5.8 8.5 14.6	16,728 7,653 12,976 15,424 15,218 12,837 7,523	18,050 8,261 13,991 17,031 16,206 13,741 7,712	18,939 8,973 15,234 18,689 17,119 15,194 8,843	31 247 114 34 68 115 249
Marion Marin Mason Matagorda Mategorda Maverick Medina	18 132 98 79 46 604 231 314	106 76 51 589 250 337	56 588 279 360	18.5 9.7 3 11.7 6.8	9,606 15,731 12,943 15,964 6,503 11,820		18,072 16,571 15,955 7,631 13,103	45 76 95 251 198	Wiliamson Wilson Winkler Wise Wood Yoakum	1,776 242 94 417 375	1,894 267 101 449 388	2,113 292 109 471 413	9.3 8.0 4.9 6.5	13,868 11,236 10,015 12,372 12,963 14,897	12,070 11,329 13,130 13,345 14,464	12,765 12,766 13,499 14,025	214 213 186 160 6 160
Menard Midland Milam Mills Mills Mitchell Montague Montgue Montgue	32 1,853 290 63 104 208 2,502	36 1,948 309 69 102 219 2,815		6.1 5.3 5.5 6.6 5.9	14,164 17,482 12,439 13,925 12,525 11,815 14,648	16,140 18,371 13,388 15,288 12,595 12,605 15,914	16,102 13,653 13,450	28 151 88 178 189	Young Zapata Zavata Land Land Land Land Land Land Land Lan	296 63 78 20,648 16,389 4,259	303 65 80 22,272 17,691 4,581	322 71 93 24,185 19,219 4,966	6.5 8.9 15.9 8.6 8.6	15,986 7,004 6,481 12,220 12,539 11,131	16,602 7,131 6,607 13,056 13,389 11,913	17,814 7,579 7,602 13,985 14,329 12,796	253 252
Moore Morris Motiley Nacogdoches Navarro Newton Nolan Nueces Ochiltree Oldham	278 169 23 631 497 121 226 3,806 137 56	284 167 25 690 528 127 229 4,019	308 179 27 742 563 136 237 4.409	8.3 6.7 10.3 7.6 6.7 6.7 3.4 9.7	15,509 12,545 14,714 11,822	15,918 12,592 16,169 12,772 13,310 9,425 13,719 13,845 15,660	17,203 13,560 17,945 13,480 14,073 10,002 14,271 15,124 17,837	67 183 48 187 158 241 150 117 52	Beaver Box Elder Cache Carbon Daggett Davis Duchesne Emery Garfield Grand	50 517 732 271 10 2,159 135 102 45 77	55 536 802 285 10 2,323 143 109 48 81	60 575 867 302 12 2,530 154 114 51	8.2 7.3 8.0 6.0 13.1 8.9 7.9 5.3	10,355 14,405 10,716 12,960 13,567 11,821	11,494 14,829 11,582 13,928 14,659 12,533 11,053 10,322 12,078	12,535 15,721 12,290 15,002 16,701 13,394 12,245 11,135 12,840	14 3 16 7 2 10 17 22 10 17
Orange Palo Pinto Panola Parker Parmer Pecos Polk Potter Presidio Rains	1,078 308 299 914 225 144 339 1,421 50	1,119 329 327 995 221 152 371 1,503 54	347 345 1,083 255 159 395	5.7 5.4 8.8 15.3 4.7 6.4 5.7 13.8	13,286 12,093 13,586 14,857 22,071 9,452 11,291 14,260 7,860 11,677	13,071 14,883 15,738 22,113 10,224 12,245 15,275	13,881 15,616 16,565 25,900 10,904 12,806 16,256 9,159	163 104 77 5 237 210 84 246	Iron Juab Kane Millard Morgan Piute Rich Saft Lake San Juan Sanpete	180 53 53 123 72 13 23 9,633 89 153	204 57 56 129 77 13 24 10,390 95	228 62 60 141 82 14 26 11,224 103 175	6.7 9.5 10.0 8.0 8.4	8,743 9,108 10,556 10,377 13,376 9,821 12,367 13,558 7,191 9,436	9,798 11,037 11,197 14,046 9,964 13,337 14,467 7,611	10,710 11,542 12,491 14,743 11,097 15,290 15,399 8,145	27 19 15 15 9 23 6 4 29
Randall Reagan Real Red River Reeves Refugio Robertson Rockwall Rownels	1,447 55 29 159 148 133 15 176 461	154 134 18 199 502	169 139 21 218	3.7 5.3 7.0 9.7 3.5	16,623 11,888 11,909 10,866 9,137 16,433 14,645 11,272 19,512	13,138 11,835 9,686 16,735 17,263 12,820 20,334	13,945 12,789 10,702 17,429 20,029 14,044 21,388	7 201 5 161 9 212 2 238 59 59 21 1 159	Sevier Summit Tooele Uintah Utah Wasatch Washington Wayne Weber	162 2599 3511 220 2,485 108 437 211 2,112	177 291 375 225 2,730 112 495 20 2,248	184 318 398 245 3,037 128 557 22 2,428	9.2 6.1 8.9 11.2 14.3 12.5 9.4 8.0	10,484 17,819 13,055 9,650 9,671 10,861 9,833 9,751 13,456	19,330 14,043 10,026 10,487 11,165 10,601 9,373 14,275	14,967 11,053 11,467 12,603 11,321 10,185 15,301	5 1 7 8 8 24 7 20 8 13 21 25 28 5
Rusk Sabine San Augustine San Jacinto San Patricio	552 103 89 135 669	592 111 95 146	629 119 101 161	6.1 7.5 6.4 10.0	12,667 10,697 10,929 8,732 11,279	13,597 11,629 11,802 9,160	14,346 12,448 12,636 9,726	147 221 218 244	Vermont Metropolitan portion Nonmetropolitan portion Addison Bennington	8,599 2,350 6,250 442 603	9,422 2,583 6,839 492 665	9,886 2,735 7,151 511 692	5.9 4.6 3.9	15,640 17,626 15,004 13,741 17,114	19,054 16,201	19,872 16,744	10

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988–90—Continued

	Total personal income					apita pe			reisonal income by cour		Total persor	•	Per capita personal income ³				
Area name		ions of doll		Percent change 2		Dollars		Rank in State	Area name	├──	lions of dol		Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989-90	1988	1989	1990	1990		1988 1989 1		1990	1989-90	1988	1989	1990	1990
Caledonia Chitlenden Essex Frankiin Grand Isle Lamoille Orange Orleans	352 2,270 69 509 80 276 365 285	381 2,492 74 562 92 306 399 311	399 2,638 76 593 97 322 420 331	4.6 5.9 3.3 5.4 5.9 5.3 5.2 6.3	12,932 17,717 10,849 13,139 15,387 14,488 14,452 11,968	13,814 19,121 11,538 14,229 17,385 15,705 15,490 12,979	19,940 11,876 14,755 18,177 16,223 15,987 13,737	14 11 4	Independent Cities: Alexandria Chesapeake Hampton Newport News Norfolk Portsmouth Richmond Roanoke	3,153 2,248 1,802 2,365 3,950 1,437 4,073 1,577	3,407 2,411 1,880 2,479 4,084 1,486 4,480 1,697	3,530 2,594 1,979 2,613 4,280 1,535 4,703 1,824	5.4 4.8 3.3 5.0 7.5		30,776 16,238 14,182 14,688 15,542 14,203 21,887 17,443	16,412 14,803 23,217 18,968	38 67 54 45 66 8 20
Washington	842 670 876 106,715	929 727 960 115,621	978 758 992 122,401	5.3 4.3 3.3 5.9	15,605 16,488 16,477 17,675	17,015 17,628 17,876 18,891	17,758 18,157 18,312 19,701	5	Suffolk Virginia Beach Combination Areas: 4	787 6,212	823 6,623	878 7,025	6.7 6.1	15,272 16,852	15,874 17,319	16,807 17,697	
Netropolitan portion Nonmetropolitan portion	83,519 23,196	90,648 24,973	95,975 26,426	5.9 5.8	19,197 13,750	20,488 14,726	15,478	[Albemarle + Charlottesville Alleghany, Clifton Frg. + Covington	1,887 331	2,062 343	2,195 359	6.4 4.6	17,676 12,823	19,158 13,602	20,197 14,521	
Accomack Amelia Amherst Appomattox Arlington Bath Bland	405 114 323 159 4,596 76 70	438 126 341 170 5,037 84 76	470 134 359 180 5,177 88 83	7.2 6.5 5.3 5.7 2.8 4.2 8.2	12,767 13,065 11,296 12,985 27,068 15,380 10,894	17,331 11,772	15,229 12,553 14,615 30,242 18,408 12,674	65 58 100 71 2 22 98	Augusta, Staunton + Waynesboro Bedford + Bedford City Campbell + Lynchburg Carroll + Galax Dinwiddie, Col. Hts. + Petersburg Fairfax, Fairfax City + Falls Church	1,384 738 1,675 377 1,090	1,486 795 1,808 398 1,149 23,306	1,568 854 1,903 421 1,217	5.6 7.4 5.3 5.9 6.0	14,372 14,838 14,647 11,300 14,526	15,312 15,646 15,877 11,958 15,272	16,016 16,413 16,761 12,664 16,124 28,999	48 44 41 99 47
Botetourt Brunswick Buchanan	381 180 377	411 191 403	437 205 435	6.3 7.6 8.0	15,438 11,235 11,595	16,554 11,909 12,654	12,828	33 97 84	Frederick + Winchester	974 191	1,063 203	1,117 219	5.0 8.3	15,083 12,954	16,037 14,050	16,388 15,580	46
Buckingham Caroline Charles City Charlotte Chesterfield Clarke Craig	147 278 100 141 3,592 245 52	159 296 111 148 3,934 263 56	169 308 115 155 4,209 276 58	5.8 4.1 2.9 4.8 7.0 4.9 3.4	11,589 14,655 15,975 12,048 18,273 21,224 12,083	12,459 15,498 17,743 12,626 19,314 22,210 12,979	16,013 18,226 13,226 19,920 22,657	94 49 23 93 17 9	Halifax + South Boston Henry + Martinsville James City + Williamsburg Montgomery + Radford Pittsylvaria + Darnville Prince George + Hopewell Pr. William, Manassas +	458 1,059 692 1,051 1,469 589	491 1,163 744 1,132 1,564 628	518 1,211 807 1,193 1,612 677	5.4 4.2 8.4 5.4 3.1 7.8	12,540 14,513 16,015 11,908 13,015 11,586	13,562 15,928 16,528 12,704 14,141 12,405	14,399 16,559 17,207 13,243 14,896 13,409	43 35 92 63 88
Culpeper Cumberland Dickenson	417 90 211	461 99 212	487 104 237	5.5 5.5 11.8	15,680 11,498 11,512	16,920 12,632	17,399 13,314	34 90 86	Manassas Park Roanoke + Salem Rockbridge, Buena Vista +	4,452 1,766	4,894 1,911	5,204 2,027	6.3 6.0	19,200 17,265	20,198 18,614	20,543 19,632	18
Essex Fauquier Floyd Fluvanna Franklin	131 1,038 157 154 496	137 1,135 167 173 535	146 1,199 176 186 575	6.4 5.6 5.0 7.6 7.4	14,969 22,561 13,158 12,900 12,725	13,616	24,372 14,618 14,886 14,492	64 76	Lexington Rockingham + Harrisonburg Southampton + Franklin Spotsylvania + Fredricksburg Washington + Bristol	398 1,220 305 1,076 869	434 1,314 322 1,214 926	466 1,395 341 1,287 981	7.4 6.2 6.1 6.0 5.9	12,513 14,088 11,971 15,182 13,416	13,666 15,023 12,647 16,412 14,369	14,685 15,775 13,433 16,640 15,265	51 87 42 57
Giles Giles Gloucester Goochland Grayson Greene	210 421 288 180 116	224 450 319 191 130	237 480 338 204 145	5.6 6.6 6.0 6.5 11.0	12,580 14,648 21,325 10,982 11,784	13,584 15,246 22,980 11,723 12,919	15,810 23,701 12,533 13,955	7 101 83	Wise + Norton York + Poquoson Washington Metropolitan portion Nonmetropolitan portion	604 962 76,341 64,397 11,944	632 1,043 84,436 71,297 13,138	92,181 78,077 14,105	7.0 6.6 9.2 9.5 7.4	13,335 18,675 16,451 17,049 13,834	14,224 19,827 17,790 18,415 15,022	15,505 20,687 18,777 19,455 15,740	14
Hanover Henrico Highland Isle Of Wight King and Queen King George King William Lancaster Lee Loudoun	1,195 4,459 29 400 88 203 170 211 247 1,864	1,297 4,947 32 432 90 222 186 234 260 2,130	1,366 5,236 34 452 92 238 192 247 280 2,325	5.4 5.9 6.1 4.5 1.6 7.3 3.4 5.6 7.6 9.1	19,994 21,290 10,266 16,491 13,753 15,545 15,846 19,259 9,817 23,340	17,502 14,250 16,695 17,187 21,435 10,487 25,545	23,884 12,883 17,931 14,599 17,526 17,576 22,654 11,457 26,682		Adams Asotin Benton Chelan Clallam Clark Columbia Cowlitz Douglas Ferry	196 232 1,653 742 782 3,262 64 1,133 366 61	215 255 1,783 819 866 3,695 71 1,233 388 72	231 273 1,959 871 933 4,040 72 1,335 416	7.3 6.9 9.9 6.4 7.8 9.3 1.4 8.3 7.1 7.7	14,596 13,426 14,944 14,533 14,386 14,564 16,065 14,196 14,580 10,088	15,956 14,697 16,037 15,898 15,655 16,004 17,854 15,272 15,165 11,653	16,897 15,422 17,332 16,589 16,402 16,790 17,927 16,168 15,743 12,215	7 12 15 11 6 20 22
Louisa Lunenberg Madison Mathews Mecklenburg Middlesex Nelson New Kent Northampton Northumberland	269 128 152 137 373 137 168 190 160 166	295 134 165 145 396 152 181 207 174 178	306 143 173 156 415 157 194 220 185 187	5.3 7.7 4.7 3.5 6.8 6.0 6.5 5.0	10,977 13,091 16,257 12,698 15,964 13,275 18,813 11,801 15,878	13,524 17,573 14,275 20,160 13,090 16,951	12,525 14,454 18,743 14,185 18,121 15,135 20,928 14,237 17,724	77 21 82 24 60 13 81 28	Franklin Garfield Grant Grays Harbor Island Jefferson King Kitsap Kititas Klickitat	463 46 706 859 782 273 29,710 2,714 330 214	501 54 785 924 873 304 33,044 2,949 367 239	553 54 854 984 946 329 36,181 3,262 395 262	10.4 .3 8.8 6.4 8.3 9.5 10.6 7.6 9.8	20,176 13,215 13,602 14,027 14,323 20,776 15,217 12,726	13,426 23,961 14,551 14,573 15,055 15,513 22,526 16,030 13,990 14,537		1 25 29 26 19 2 9
Nottoway Orange Page Patrick Powhatan Prince Edward Pulaski Rappahannock Richmond Russell	197 324 289 234 228 182 423 109 98 330	211 355 310 248 254 194 444 121 105 346	226 377 321 265 276 210 462 129 111 371	7.4 6.4 3.4 7.0 8.5 8.7 4.2 7.0 5.9 7.2	13,081 15,652 13,610 13,357 15,659 10,469 12,293 16,875 13,496 11,227	14,187 16,957 11,159 12,887 18,438	17,511 14,743 15,191 17,858 12,147 13,386 19,424 15,322	61 32 67 59 27 103 89 19 55 95	Lewis Lincoln Mason Okanogan Pacific Pend Oreille Pierce San Juan Skagit Skamania	758 181 463 429 248 94 8,144 181 1,074	828 177 509 486 266 115 8,829 203 1,228 110	890 196 547 501 288 116 9,583 223 1,322 114	7.5 10.6 7.6 3.2 8.6 1.5 8.5 9.6 7.7 2.9	13,172 13,642 10,719 14,646 19,185 14,283	14,177 19,863 13,621 14,800 14,356 12,990 15,477 20,893 15,887 13,520	14,906 22,120 14,142 14,957 15,168 13,005 16,194 21,948 16,453 13,627	32 3 35 31 30 38 18 4
Scott Shenandoah Smyth Stafford Surry Sussex Tazewell Warren Westmoreland Wythe	245 500 392 1,085 100 134 581 377 233 315	256 524 425 1,245 107 140 621 398 248 339	278 544 463 1,347 110 147 669 402 264 351	8.5 3.8 9.0 8.1 3.3 5.3 7.8 1.1 6.4 3.6	10,346 16,322 11,990 19,252 16,388 13,177 12,291 15,038 15,462 12,393	13,710 13,355 15,503	17,100 14,316 21,712 17,954 14,365 14,606 15,295 16,966	80 11 25 79 72 56 37	Snohomish Spokane Stevens Thurston Wahkiakum Walla Walla Whatcom Whitman Yakima	7,002 5,047 362 2,294 47 686 1,668 537 2,440	7,908 5,483 394 2,550 52 749 1,849 558 2,707	8,750 5,942 416 2,821 54 799 2,064 606 2,920	10.6 8.4 5.8 10.6 4.9 6.6 11.6	16,260 14,268 11,957 15,123 13,943 14,281 13,751	17,637 15,386 12,892 16,306 15,565 15,606 14,863 14,385 14,587	18,545 16,365 13,389 17,312 16,258 16,438 16,002	5 16 37 8 17 14 21 24

Table 2.—Total Personal Income and Per Capita Personal Income by County, 1988-90—Continued

Total personal income				Per c	apita per	rsonal inc	come 3			otal person	al income		Per ca	apita per	sonal inc	come 3	
Area name	Milli	ons of dolla	ars	Percent change 2		Dollars		Rank in State	Area name	Mill	ions of dolla	ars	Percent change 2		Dollars		Rank in State
	1988	1989	1990	1989 -9 0	1988	1989	1990	1990		1988	1989	1990	1989-90	1988	1989	1990	1990
West Virginia Metropolitan portion Nonmetropolitan portion	21,917 9,067 12,850	23,035 9,579 13,456	24,602 10,227 14,375	6.8 6.8 6.8	11,973 13,573 11,054	12,751 14,548 11,720			Forest	1,330	1,489 87	1,569 93	5.4 5.8	14,849 9,344	16,586 9,964	17,382 10,536	71
Barbour Berkeley Boone Braxton Brooke Cabell Calhoun Clay Doddridge Fayette	140 702 329 143 312 1,353 64 77 63 483	148 748 342 151 333 1,424 67 80 65 506	152 797 371 161 361 1,523 71 87 69	2.7 6.6 8.6 8.6 7.0 6.5 6.4 6.7	8,666 12,449 12,143 10,745 11,172 13,585 8,006 7,488 8,652 9,582	9,353 12,912 12,963 11,528 12,159 14,549 8,433 7,954 9,165 10,343	14,420 12,452 13,424 15,781 8,952 8,754 9,948	49 17 9 28 15 4 53 54 47 38	Grant Green Green Lake lowa Iron Jackson Jefferson Juneau Kenosha	663 472 249 251 65 190 978 258 2,052	716 524 280 289 70 227 1,074 289 2,143	760 552 289 302 75 226 1,146 303 2,231	5 6.8 5.0 4.1	13,409 15,723 13,454 12,496 10,558 11,544 14,576 12,077 16,344	14,527 17,365 15,050 14,373 11,345 13,759 15,932 13,426 16,887	17,338	9 32 41 69 54 20 51
Gilmer Grant Greenbrier Hampshire Hancock Hardy Harrison Jackson Jefferson	69 116 401 183 530 126 915 276 451	73 127 423 194 561 136 957 288 490	77 141 452 204 586 149 1,001 301 516	6.7 10.9 6.7 5.1 4.4 9.5 4.6 4.5 5.3	8,655 11,512 11,052 11,215 14,378 11,865 12,912 10,514 12,944	9,284 12,336 11,983 11,855 15,642 12,572 13,690 11,056 13,844	10,141 13,401 13,088 12,345 16,718 13,483 14,463 11,602 14,293	45 16 22 29 3 14 8 37 10	Kewaunee La Crosse Lafayette Langlade Lincoln Manitowoc Marathon Mannette Marquette Milwaukee	257 1,438 203 228 336 1,104 1,584 509 150 15,748	292 1,555 243 253 358 1,213 1,761 552 171 16,766	298 1,652 244 264 391 1,292 1,887 584 181 17,712	1	13,607 14,959 12,471 11,709 12,558 13,667 13,906 12,757 12,374 16,523	15,452 16,022 15,024 13,002 13,305 15,068 15,359 13,728 14,022 17,546		21 39 55 46 27 26 47 45 7
Kanawha Lewis Lincoln Logan McDowell Marion Marshall Mason Mercer Mineral	3,150 183 182 505 319 716 437 262 876 312	3,332 188 187 523 330 735 461 279 917 322 400	3,560 200 204 567 350 812 492 306 977 343	6.4 8.8 8.5 6.3 10.5 6.7 9.9 6.6 6.5	14,812 10,294 8,636 11,278 8,277 12,116 11,507 10,314 13,204 11,543	15,906 10,763 8,831 11,960 9,009 12,689 12,270 11,041 14,003 12,011	11,644 9,509 13,245 10,062 14,242 13,184 12,166 15,067 12,839	36 51 19 46 11 20 31 7	Monroe Oconto Oneida Outagamie Ozaukee Pepin Pierce Polk Portage Price	418 352 428 2,085 1,557 91 493 443 813 206	460 402 463 2,260 1,713 102 535 483 876 220	475 414 497 2,425 1,834 105 559 497 949 231	3.0 7.3 7.3 7.1 2.6 4.6 2.8 8.3 5.0	11,575 11,838 13,656 15,214 21,982 12,870 15,219 12,999 13,530 13,217	12,638 13,419 14,696 16,277 23,825 14,405 16,408 14,032 14,417 14,124	12,942 13,665 15,637 17,182 25,057 14,700 17,022 14,225 15,398 14,798	52 29 16 1 44 19 48 38
Mingo Monroe Morgan Nicholas Ohio Pendleton Pleasants Pocahontas Preston	386 992 127 144 297 804 77 90 104 272	400 1,058 135 153 303 868 81 93 109 280	1,147 147 162 317 921 87 98 115	8.3 8.4 9.2 5.6 4.5 6.2 6.9 6.3 5.9	11,152 13,087 10,330 12,707 10,834 15,260 9,546 11,719 11,270 9,253	11,741 14,012 10,925 12,977 11,232 16,827 10,117 12,176 11,953 9,624	15,178 11,862 13,180 11,856 18,181 10,762 13,081 12,849	34 1 40 23	Racine Richland Rock Rusk St. Croix Sauk Sawyer Sheboygan Taylor Trempealeau	2,872 188 2,067 167 829 641 152 1,652 246 327	3,043 206 2,200 181 893 725 163 1,794 268 369	3,233 226 2,339 186 953 778 174 1,880 269 391	2.7 6.7 7.3 6.5 4.8	16,571 10,877 14,866 11,029 17,164 13,930 10,970 16,051 13,190 12,992	17,483 11,829 15,808 11,991 18,103 15,583 11,601 17,362 14,282 14,630	12,839 16,742 12,303 18,838 16,490 12,190 18,061 14,199	63 22 67 5 24 68 11 49
Putnam Raleigh Randolph Ritchie Roane Summers Taylor Tucker Tyler Upshur	917 300 106 142 118 142 84 109 216 432	549 955 319 109 145 123 146 88 116 228 456	1,015 342 114 150 129 154 93 124 245 492	8.2 6.4 7.2 4.8 3.8 5.2 5.3 5.4 7.2 7.5	12,033 11,538 10,731 10,079 9,258 8,250 9,121 10,501 10,699 9,215 10,172	9,861	13,267 12,302 11,218 9,944 9,091 10,182 12,036 12,749 10,743	18 30 39 48 52 43 32 27 41	Vemon Vilas Walworth Washburn Washington Waukesha Waupaca Waushara Winnebago Wood	292 217 1,112 157 1,574 6,053 622 245 2,143 1,161	331 234 1,212 1,757 6,596 683 281 2,310 1,248	1,872 7,045 721 301 2,484 1,336	6.2 6.3 3.5 6.5 6.8 5.6 7.2 7.5	11,417 12,479 15,135 11,473 17,044 20,442 13,795 12,785 15,512 15,903	12,578 18,708 21,937 14,969 14,566 16,595 17,029	13,991 17,116 12,927 19,527 23,004 15,586 15,477 17,645 18,113	50 17 62 7 4 2 6 30 33 5 12 10
Wayne Webster Wetzel Wirt Wood	89 238 44 1,226 275	97 242 45 1,275	103 259 44 1,355 293	5.4 6.8 -2.0	8,018 11,875 8,867 13,880	8,950 12,386 8,815 14,594	9,608 13,494 8,421 15,618	50 13 55 5	Shawano (incl. Menominee) Wyoming Metropolitan portion Nonmetropolitan portion	453 6,555 2,070 4,485	493 6,840 2,142 4,697	7,363 2,305 5,059	7.7 7.6	11,181 14,091 15,098 13,671	12,094 14,921 15,811 14,548	16,283 17,191	
Wyoming Wisconsin Metropolitan portion Nonmetropolitan portion	275 74,764 53,807 20,958	278 81,221 58,123 23,098	293 86,297 61,897 24,400	6.2 6.5	8,989 15,501 16,577 13,288	16,724 17,764	17,590 18,706		Albany Big Horn Campbell Carbon Converse	379 125 485 243 153 78	393 129 498 260 153 79	532 279 153	8.0 6.9 7.6	11,415 15,928 13,835 12,678	12,793 12,027 16,681 15,253 13,297 14,834	13,289 18,203 16,889 13,875	20 3 2 6 6 17
Adams Ashland Barron Bayfield Brown	147 195 520 154 3,030 178	172 210 575 172 3,319	174 222 616 181 3,613	5.5	9,599 12,007 12,967 11,061 15,929	11,094 12,925 14,238 12,325 17,242	13,624 15,065 12,932 18,490	40 61 6	Crook Fremont Goshen Hot Springs Johnson	385 147 74 84	395 149 75 93	427 163 80	9.6 6.0	14,457 11,160 11,907 14,545 13,303	11,600 12,031 15,219	12,730 13,166 16,673	22 21 9
Buffalo Burnett Calumet Chippewa Clark	178 150 504 702 371	210 156 555 775 416	223 164 568 810	4.7 2.3	13,033 11,555 14,664 13,495 11,727	15,421 11,999 16,202 14,860	16,445 12,469 16,564 15,440	25 64 23 36	Laramie Lincoln Natrona Niobrara Park	1,092 160 978 37 337	1,145 158 997 38 356	169 1,092 40 378	7.1 9.5 6.0 6.2	14,447	15,710 12,363 15,929 14,969 15,311	13,481 17,957 16,289 16,302	19 7 4 9 12 2 11
Columbia Crawford Dane Dodge Door	653 174 6,242 1,028 384	718 197 6,852 1,105 426 580	774 210 7,409 1,186 444	7.3	14,729 10,920 17,478 13,611 15,073	12,352 18,910 14,528	13,169 20,087 15,445	59 3 35 15	Platte Sheridan Sublette Sweetwater Teton	108 352 70 593 254	114 390 77 620 290	120 427 81 674 329	9.3 4.7 8.8	12,488 14,624 13,383 14,624 23,584	13,598 16,424 15,407 15,674 26,360	18,147 16,837 17,468	7 3 7 7 8 5
Douglas Dunn Eau Claire Florence	1,028 384 532 406 1,144 47	580 459 1,250 52	621 481 1,331 57	4.3 7.0 4.9 6.4 9.5	12,762 11,472 13,652 10,406	13,927 12,875 14,803	14,850 13,368 15,570	42 57 31	Uinta Washakie Weston	210 115 97	214 119 99	228 129 103	8.2	11,048 13,077 14,324	11,376 13,941 14,931	15,467	7 15

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

2 Percont change when admitted from the product of th

89 are revised as of January 1992 to reflect 1980 and 1990 Census population counts. Midyear 1990 population estimates were prepared by BEA by adjusting the April 1990 population counts based on the Census Bureau July 1990 State estimates and the 1988-89 trend in the revised Census Bureau county estimates.

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

Percent change was calculated from unrounded data.
 Per capita personal income was computed using Bureau of the Census midyear estimates. The years 1988-

BUSINESS CYCLE INDICATORS

Data tables C-1	Business cycle expansions and contractions C-25
Footnotes for pages C-1 through C-5 C-6	Specific peak and trough dates for selected indicators C-26
Charts	Titles and sources of series

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Current and historical data for the series shown in the C-pages are available on printouts, diskettes, and the Commerce Department's Economic Bulletin Board. For more information, write to Business Cycle Indicators Branch, Business Outlook Division (BE-52), Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Note.—This section of the Survey is prepared by the Business Cycle Indicators Branch.

Series		Year			•			1991								
no.	Series title and timing classification	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. *
					1. CON	IPOSITE	INDEXE	S								
	The Leading Index													_		
910 +	Composite index of leading indicators, 1982=100 (L.L.L) Percent change from previous month Percent change over 3-month span, AR	143.5 .3 4.5	140.4 1.2 5.6	141.5 .8 9.2	141.9 .3 7.6	143.0 .8 7.0	143.9 .6 10.8	145.6 1.2 7.5	145.6 0 4.5	145.5 1 .3	145.7 .1 5	145.4 2 -1.1	145.1 2 2.2	146.5 1.0 6.2	147.6 .8 - 7.9	P.2
1 ÷ 5 ÷	Leading index components: Average weekly hours, mfg. (L,L,L) Average weekly initial claims for unemployment insurance, thous. (L,C,L) **The component insurance in the component in t	40.7 444	40.3 472	40.3 499	40.2 467	40.4 443	40.8 434	40.7 411	41.0 431	41.0 435	40.9 422	41.0 436	41.1 435	40.8 424	41.1 427	P 41.1 431
8 ♦	Mfrs.' new orders, consumer goods and materials, bil. 1982\$ (L,L,L).	1,068.50	85.14	82.22	87.69	89.78	87.59	93.25	93.05	93.30	92.78	′91.85	87.63	r89.46	°90.88	P89.14
32 ♦	Vendor performance, slower deliveries diffusion index, percent (L.L.L.).	47.3	44.1	43.5	44.9	45.9	47.1	50.4	48.8	49.4	50.3	50.6	49.5	48.0	48.7	49.5
20 ♦	Contracts and orders for plant and equipment, bil. 1982\$	523.09	² 45.09	r43.70	40.82	41.22	41.33	47.85	43.64	41.10	² 44.58	47.45	r 40.27	46.07	²46.19	P 48.06
29 • 92 •	(L.L.L). Index of new private housing units authorized by local building permits, 1967=100 (L.L.L). Change in mits.' unfilled orders, durable goods, bil.	76.2 -1.44	69.9 -1.11	71.1 –1.31	72.8 -1.73	77.0 –2.08	79.7 2.56	80.1 -1.64	76.0 86	78.3 82	82.0 -1.02	79.2 -1.32	84.1 -1.58	88.6 -1.72		87.2 P-2.44
99 +	1982\$, smoothed (L,L,L) †: Change in sensitive materials prices, percent, smoothed	65	66	72	69	59	56	50	60	75	82	r72	55	40	26	ļ
19 +	(L,L,L)÷. Index of stock prices, 500 common stocks, 1941-43=10,	376.18	362.26	372.28	379.68	377.99	378.29	380.23	389.40	387.20	386.88	385.92	388.51	416.08	412.56	407.36
	NSA (L,L,L).						i									
106 ♦ 83 ♦	Money supply M2, bil. 1982\$ (L,L,L)index of consumer expectations, U. of Michigan, 1966:I=100, NSA (L,L,L) ©².	2,409.4 70.3	2,410.2 62.0	2,419.2 84.5	72,419.6 74.7	2,422.2 71.5	2,419.7 75.9	2,414.9 74.4	2,407.8 75.3	2,400.8 76.4	2,399.9 70.5	72,401.1 61.9	72,401.8 61.5	r2,406.3 59.1	′2,418.3 61.8	P 2,403.6 70.3
950 •	Diffusion index of 11 leading indicator components: Percent rising over 1-month span Percent rising over 6-month span	53.0 64.4	59.1 54.5	40.9 72.7	63.6 90.9	72.7 86.4	72.7 63.6	72.7 72.7	36.4 72.7	50.0 59.1	40.9 36.4	40.9 63.6	50.0 • 72.7	63.6	, 72.7	P 40.9
	The Coincident Index															i
920 +	Composite index of coincident indicators, 1982=100 (C,C,C) Percent change from previous month Percent change over 3-month span, AR	126.2 3 -2.9	126.3 −.6 –9.6	125.7 5 3.4	125.9 .2 .6	126.5 .5 3.5	126.8 .2 2.9	126.8 0 0	126.5 2 6	126.6 1 7–1.9	′126.2 ′3 -3.4	125.4 ′ –.6 –5.6	124.8 5 -6.5	124.1 6 7-2.2	124.7 1.5 33	30
41 +	Coincident index components: Employees on nonagricultural payrolls, thous. (C,C,C)	108,981	109,160	108,902	108,736	108,887	108,885	108,859	108,971	109,066	109,073	108,843	108,882	r 108,760		P 108,886
51 ♦	Personal income less transfer payments, bil. 1987\$, AR (C.C.C).	3,414.8	3,405.2	3,420.7	3,411.0	3,422.6	3,431.5	3,412.4	3,416.2	3,418.3	3,410.6	3,398.1	3,417.6	r3,386.7	*3,405.8	P 3,407.8
47 ♦ 57 ♦	Index of industrial production, 1987=100 (C,C,C)	107.1 5,611,146	105.7 458,742	105.0 457,352	105.5 465,334	106.4 469,205	107.3 470,536	108.1 474,815	108.0 472,276	108.4 473,720	108.4 7473,861	108.1 7473,518	107.4 464,906	7106.4 7472,474	r 106.9 r 476,873	
951	Diffusion index of 4 coincident indicator components: Percent rising over 1-month span Percent rising over 6-month span	47.9 39.6	25.0 0	25.0 50.0	50.0 62.5	100.0 75.0	87.5 75.0	62.5 87.5	50.0 62.5	100.0 37.5	*37.5 0	0 *25.0	37.5 3 0	25.0	100.0	³ 83.3
	The Lagging Index				-											1
930 ♦	Composite index of tagging indicators, 1982=100 (Lg,Lg,Lg) Percent change from previous month Percent change over 3-month span, AR	114.6 6 -7.3	119.3 4 0	119.2 1 -7.5	117.5 -1.4 -11.2	115.8 1.4 17.5	113.6 -1.9 -14.2	113.1 4 -11.9	112.2 8 -7.5	111.4 7 -6.6	111.2 2 -4.6	110.9 3 -2.8	′110.6 ′−.3 –6.7	109.3 7–1.2 7–8.7	108.4 78 4-6.4	4.4
91 ÷ 77 ÷	Lagging index components: Average duration of unemployment, weeks (Lg,Lg,Lg) ‡ . Ratio, mfg. and trade inventories to sales in 1982\$	13.8 1.47	12.9 1.51	13.0 1.50	13.4 1.48	13.1 1.46	14.0 1.45	13.9 1.43	14.1 1.44	14.2 1.44	14.6 1.44	14.9 1.44	15.3 1.47	16.4 71.44	17.0 P 1.43	
62 ♦	(Lg,Lg,Lg). Change in labor cost per unit of output, mfg., percent,	2.6	7.1	6.8	5.5	3.8	1.9	0	5	-1.2	3	2	r1.6	r1.8	r 1.8	P 1.8
109 ♦	AR, smoothed (Lg,Lg,Lg) †. Average prime rate charged by banks, percent, NSA	8.46	9.05	9.00	. 9.00	8.50	8.50	8.50	8.50	8.20	8.00	7.58	7.21	6.50	6.50	6.50
101 ♦	(Lg,Lg,Lg). Commercial and industrial loans outstanding, mil. 1982\$	385,475	396,573	403,124	397,216	390,773	387,520	389,228	379,222	374,562	373,050	372,429	369,110	366,734	⁻ 368,043	p 371,460
95 ♦	(Lg,Lg,Lg). Ratio, consumer installment credit outstanding to	15.12	15.39	15.32	15.31	15.18	15.08	15.10	15.02	14.96	14.96	14.97	14.81	r 14.84	P 14.69	
120 ♦	personal income, percent (Lg,Lg,Lg). Change in Consumer Price Index for services, percent, AR, smoothed (Lg,Lg,Lg) ÷.	4.6	5.9	5.6	5.0	4.5	4.0	3.8	3.8	3.9	4.0	4.1	4.3	4.3	4.1	4.2
952	Diffusion index of 7 lagging indicator components: Percent rising over 1-month span Percent rising over 6-month span	35.7 16.4	42.9 14.3	28.6 0	21.4 0	14.3 0	7.1 0	50.0 0	28.6 0	21.4 28.6	42.9 42.9	50.0 28.6	42.9 440.0	°35.7	r28.6	4 60.0
940 ♦	Ratio, coincident index to lagging index, 1982=100 (L,L,L) .	110.3	105.9	105.5	107.1	109.2	111.6	112.1	112.7	113.6	r 113.5	113.1		113.5	115.0	P114.6

NOTE.—The following current high values were reached before February 1991: November 1983—BCI-32 (67.5) and BCI-99 smoothed (2.09); January 1984—BCI-940 (116.1); February 1984—BCI-92 (158.5); March 1984—BCI-93 (13.00); March 1984—BCI-93 (13.00); March 1984—BCI-96 (13.00); March 1986—BCI-158); July 1987—BCI-5 (286); May 1988—BCI-106 (2,473.4); December 1988—BCI-8 (99.83); April 1989—BCI-1 (41.2); June 1989—

BCI-91 (11.1); September 1989—BCI-95 (16.07); October 1989—BCI-930 (120.3); December 1989—BCI-20 (51.59); June 1990—BCI-41 (110,435) and BCI-920 (134.6); July 1990—BCI-51 (3,509.8) and BCI-101 (409,650); August 1990—BCI-57 (488,655); and September 1990—BCI-47 (110.6) and BCI-120 smoothed (6.6). See page C-6 for other footnotes.

Series	Series title and timing classification	Year						1991							1992	
no.	Genes are and uning dissilication	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. *
			2. LAB	OR FOR	CE, EMP	LOYME	NT, AND	UNEMP	LOYME	NT						
441 442	Labor force: Civilian labor force, thous. Civilian employment, thous. Civilian iabor force participation rates (percent):	125,303 116,877	125,067 116,937	125,250 116,834	125,644 117,388	125,259 116,730	125,524 116,909	125,204 116,729	125,004 116,484	125,590 117,089	125,508 116,867	125,374 116,772	125,619 116,728	126,046 117,117	126,287 117,043	126,590 117,348
451 452 453	Males 20 years and over Females 20 years and over Both sexes 16-19 years of age Marginal employment adjustments:	77.3 57.9 51.7	77.4 57.8 53.0	77.5 57.9 53.0	77.8 58.1 52.3	77.5 57.9 52.0	77.5 58.1 51.5	77.4 57.8 50.4	77.2 57.8 49.5	77.5 57.8 51.5	77.2 57.8 51.7	77.1 57.7 51.4	77.0 57.9 51.1	77.0 58.2 51.6	77.1 58.2 52.1	77.3 58.5 50.5
1 ÷ 21 ÷ 5 ÷	Average weekly hours, mfg. (L,L,L) Average weekly overtime hours, mfg. (L,C,L) Average weekly initial claims for unemployment insurance, thous. (L,C,L) 1 ‡.	40.7 3.6 444	40.3 3.3 472	40.3 3.3 499	40.2 3.3 467	40.4 3.4 443	40.8 3.7 434	40.7 3.7 411	41.0 3.8 431	41.0 3.7 435	40.9 3.7 422	41.0 3.7 436	41.1 3.8 435	40.8 3.6 424	41.1 73.7 427	P 41.1 P 3.7 431
46 ♦ 60	Job vacancies: Index of help-wanted advertising, 1967=100 (L,Lg,U) Ratio, help-wanted advertising to unemployed (L,Lg,U) Employment:	93 .329	97 .355	95 .336	95 .342	94 .328	96 .331	92 .323	91 .318	.322	88 .303	.308	90 .301	85 .283	.286	° 93 ° .299
48 ♦ 42	Employee hours in nonagricultural establishments, bil. hours, AR (U.C.C). Persons engaged in nonagricultural activities, thous.	200.99 113,644	201.30 113,700	200.71 113,710	199.66 114,201	200.76 113,474	201.73 113,623	199.81 113,485	200.94 113,230	202.10 113,806	201.12 113,663	201.21 113,500	201.48 113,545	r200.34 113,951	7202.55 113,811	P 202.12
41 ♦	(U,C,C). Employees on nonagricultural payrolls, thous. (C,C,C)	108,981	109,160	108,902	108,736	108,887	108,885	108,859	108,971	109,066	109,073	108,843	108,882	108,760	108,867	p 108,886
963 40 + 90 +	Diffusion index of employees on private nonagricultural payrolls, 356 industries: Percent rising over 1-month span	45.3 39.4 23,819 61.6	36.9 31.2 24,039 61.8	38.6 29.5 23,877 61.7	38.5 34.3 23,794 62.0	51.1 41.2 23,847 61.6	45.8 45.8 23,792 61.6	51.3 49.9 23,798 61.5	54.8 44.9 23,826 61.3	50.0 46.5 23,797 61.6	48.3 * 43.3 23,727 61.4	44.1 7240.2 23,595 61.3	45.9 23,552 61.2	r42.8 r23,506 61.4	r#48.5 r23,490 61.3	P 48.0 P 23,492 61.4
37 43 ◆ 45	Unemployment: Number of persons unemployed, thous. (L,Lg,U) ‡ Civilian unemployment rate, percent (L,Lg,U) ‡ Average weekly insured unemployment rate, percent (L,Lg,U) ‡	8,426 6.7 3.1	8,130 6.5 3.1	8,416 6.7 3.3	8,256 6.6 3.3	8,529 6.8 3.2	8,615 6.9 3.2	8,475 6.8 3.1	8,520 6.8 3.1	8,501 6.8 3.1	8,641 6.9 3.1	8,602 6.9 3.1	8,891 7.1 3.1	8,929 7.1 3.2	9,244 7.3 3.1	7.3
91 ◆ 44	Average duration of unemployment, weeks (Lg,Lg,Lg) ‡ . Unemployment rate, 15 weeks and over, percent (Lg,Lg,Lg) ‡.	13.8 1.9	12.9 1.6	13.0 1.7	13.4 1.7	13.1 1.8	14.0 2.0	13.9 1.9	14.1 1.9	14.2 1.9	14.6 2.0	14.9 2.1	15.3 2.3	16.4 2.4	17.0 2.5	
			3. OUT	PUT, PF	RODUCT	ION, ANI	CAPA	CITY UT	LIZATIO	N						<u> </u>
55 ♦ 50 49	Output: Gross domestic product, bil. 1987\$, AR (C,C,C) Percent change from previous quarter, AR Gross national product, bil. 1987\$, AR (C,C,C) Value of domestic goods output, bil. 1987\$, AR (C,C,C)	4,848.8 7 4,860.2 1,929.0	4,824.0 -2.5 4,843.7 1,917.0			4,840.7 1.4 4,847.8 1,922.0			4,862.7 1.8 4,872.0 1,940.5			4,868.0 .4 4,877.3 1,936.4			P 4,891.9 P 2.0	
47 ♦ 73 ♦ 74 ♦ 75 ♦	Industrial production indexes, 1987=100: Total (C,C,C) Total (C,C,C) Nondurable manufactures (C,C,C) Nondurable manufactures (C,L,L) Consumer goods (C,L,C)	107.1 107.1 107.9 107.5	105.7 106.1 106.0 104.7	105.0 105.0 105.4 104.7		106.4 106.7 106.5 106.6	107.3 107.3 107.6 108.0	108.1 108.1 108.6 108.3	108.0 107.8 109.0 108.4	108.4 108.4 109.6 109.4	108.4 108.2 110.1 109.7	108.1 107.8 109.6 110.0	107.4 *107.1 *109.5 *109.1	7106.4 105.8 7109.0 7108.0	7106.9 7106.7 7109.1 7108.5	P 106.8 P 109.3
124 82 •	Capacity utilization rates (percent): Total industry (L,C,U) Manufacturing (L,C,U)	79.4 78.2	79.1 78.0	78.4 77.2	78.6 77.5	79.1 77.8	79.6 78.3	80.0 78.7	79.8 78.6	79.9 78.8	79.8 78.7	79.3 78.2	78.7 77.7	, 77.8 , 76.9	778.0 777.1	₽78.1 ₽77.0
				4. SA	LES, OF	DERS, A	AND DEL	IVERIES	3							
57 ♦ 59 ♦	Sales: Manufacturing and trade sales, mil. 1982\$ (C.C.C)	1,439,986	r 458,742 r 119,413	7457,352 7120,626	465,334 119,815	469,205 120,719	470,536 120,666	474,815 121,295	472,276 120,190	473,720 120,488	7473,861 120,255	7473,518 119,800	464,906 119,843	r 472,474 r 122,661	p 476,873 r 123,792	p 122,937
7 ♦ 8 ♦	Orders and deliveries: Mfrs. 'new orders, durable goods, bil. 1982\$ (L,L,L) Mfrs.' new orders, consumer goods and materials, bil. 1982\$ (L,L,L). Mfrs. 'unfilled orders, durable goods, mil. 1982\$ \cdots	1,174.28 1,068.50 398,184	96.04 85.14 415,953		94.81 87.69 409,051	96.68 89.78 406,602	95.46 87.59 402,429		102.27 93.05 408,991	97.84 93.30 405,020	100.35 92.78 402,510	r91.85	95.53 87.63 398,184	r97.86 r89.46 r396,686	r97.66 r90.88	P 89.14
92 ♦	Change from previous month, bil. 1982\$, smoothed (L,L,L)†. Vendor performance, slower deliveries diffusion index,	-1.55 -1.44	.09 -1.11	-3.30 -1.31	-3.60 -1.73	-2.45 -2.08	-4.17 -2.56	6.40 1.64	.17 86	-3.97 82	-2.51 -1.02	-2.36 -1.32	-1.96 -1.58	-1.50 -1.72	~-4.44 2.17	P-2.18 P-2.44
32 ♦	percent (L.L.L).	47.3	44.1	43.5	44.9	45.9	47.1	50.4	48.8	49.4	50.3	50.6	49.5	48.0	48.7	49.5
				5.	FIXED C	APITAL	INVEST	MENT								
12 ÷ 13 ÷	Formation of business enterprises: Index of net business formation, 1967=100 (L,L,L) Number of new business incorporations (L,L,L) Business investment commitments:	115.4 629,901	114.9 50,384	114.2 51,536	115.0 52,235	115.7 52,327	116.1 52,071	115.5 52,803	116.1 53,315	115.5 52,284	*115.4 *53,892	* 116.0 54,165	P 114.7 P 52,898			
10 20 +	Contracts and orders for plant and equipment, bil.\$ (L.L.L). Contracts and orders for plant and equipment, bil. \$	421.51 523.09	738.28 745.09	735.94 743.70	33.44 40.82	32.07 41.22	32.00 41.33	40.26 47.85	34.32	33.04 41.10	34.76 * 44.58	37.75 47.45	31.75 *40.27	r 35.37	r 35.43	P 37.02
20 ♦	(L,L,L). Mfrs. new orders, nondefense capital goods, bil. 1982\$	523.09 489.22	41.54	40.56	l	38.04	39.20	47.85 45.06	43.64 41.03	38.82	41.70	47.45	38.02	46.07 r 43.12	746.19 742.66	· ·
9 +	(L,L,L). Construction contracts awarded for commercial and industrial buildings, mil. sq. ft. (L,C,U) © ².	532.30	54.86	44.82	51.98	47.11	36.51	39.12	42.28	33.96	52.08	39.50	39.94	39.37	46.93	41.43
11 97	New capital appropriations, mfg., bil.\$ (Ú,Lg,U)Backlog of capital appropriations, mfg., bil.\$ (C,Lg,Lg) ♦ Business investment expenditures:		32.08	100.28		32.06	98.12		£33.29	₽99.12						
61 100 +	New plant and equipment expenditures by business, bit.\$, AR (C.Lg.Lg). New plant and equipment expenditures by business, bit. 1987\$. AR (C.Lg.Lg).	529.20 492.97	535.50 496.29			524.57 487.06			527.86 * 492.41			r 528.88 r 496.14			ra 544.99 ra 512.32	

NOTE.—The following current high values were reached before February 1991: November 1983—BCI-32 (67.5); March 1984—BCI-92 change (8.62) and BCI-92 smoothed (4.61); September 1985—BCI-9 (93.19); December 1986—BCI-13 (65.691); July 1997—BCI-5 (286); November 1987—BCI-46 (162); December 1988—BCI-7 (115.44), BCI-8 (99.83), and BCI-60 (0.756); January 1989—BCI-40 (25.406) and BCI-82 (85.1); February 1980—BCI-21 (4.0); March 1989—BCI-12 (126.5), BCI-37 (6,189), and BCI-43 (5.0); 1st Q 1989—BCI-11 (50.01); April 1989—BCI-1 (41.2) and BCI-124 (85.0); May 1989—BCI-45 (2.0); June 1989—BCI-44 (1.0) and BCI-91 (11.1); 2d Q 1989—BCI-97 (117.90);

August 1989—BCI-59 (124,761); December 1989—BCI-10 (46.27), BCI-20 (51.59), and BCI-27 (46.54); March 1990—BCI-93 (31); May 1990—BCI-42 (115,095) and BCI-92 level (423,364); June 1990—BCI-41 (110,435) and BCI-48 (205,18); 2d Q 1990—BCI-49 (1973,8); August 1990—BCI-67 (488,655); September 1990—BCI-47 (110,6) and BCI-73 (113,8); and 3d Q 1990—BCI-50 (4,909.2) and BCI-55 (4,903.3). See page C-6 for other footnotes.

Series no.	Series title and timing classification	Year	F.L.					1991	A 1	0-4		Ma			1992	Mar. *
		1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	mai.
	Business investment expenditures—Continued:		· · · · ·	o. FIXED	CAPITA	T INAE2	IMENI-	-Contin	uea						-	
69 ♦ 76 ♦	Mfrs. machinery and equipment sales and business construction expenditures, bil.\$, AR (C.Lg.Lg). Index of industrial production, business equipment, 1987=100 (C.Lg.U). Gross private nonresidential fixed investment, bil. 1987\$,	456.69 121.5	463.83 120.6	451.72 120.3	459.92 121.3	456.48 121.7	462.64 121.9	448.81 122.5	453.88 121.3	456.47 122.2	r 465.94 122.3	7466.60 121.8	* 437.01 121.4	r 445.02 r 119.8	₽ 453.56 121.2	P 121.4
86 + 87 + 88 +	AR: Total (C.Lg.C) Structures (Lg.Lg.Lg) Producers' durable equipment (C.Lg.C)	512.4 154.0 358.3	519.1 163.3 355.8			514.8 158.9 355.8			510.0 148.4 361.6			505.6 145.4 360.1	***************************************		p 503.7 p 142.2 p 361.5	
28 + 29 +	Residential construction and investment: New private housing units started, thous., AR (L,L,L) Index of new private housing units authorized by local building permits, 1967=100 (L,L,L). Gross private residential fixed investment, bil. 1987\$, AR	1,014 76.2 175.2	1,008 69.9 170.7	918 71.1	978 72.8	983 77.0 172.0	1,036 79.7	1,053 80.1	1,053 76.0 176.5	1,020 78.3	1,085 82.0	1,085 79.2 181.7	1,118 84.1	*1,180 88.6	71,283 93.0 2188.5	
	(L,L,L).	110.2														
			6.	INVENT	ORIES A	ND INVE	NTORY	INVEST	WENT							
70 77 ♦	Inventories on hand: Mig. and trade inventories, bil. 1982\$ (Lg,Lg,Lg) ◊ Ratio, mig. and trade inventories to sales in 1982\$ (Lg,Lg,Lg).	683.99 1.47	693.86 1.51	687.70 1.50	687.21 1.48	683.63 1.46	680.76 1.45	680.67 1.43	680.11 1.44	681.05 1.44	683.08 1.44	682.97 1.44	683.99 1.47	7681.14 71.44	P 680.80 P 1.43	
30 ÷ 31 ÷	Inventory investment: Change in business inventories, bil. 1987\$, AR (L,L,L) Change in mfg. and trade inventories, bil.\$, AR (L,L,L)	-13.9 -8.7	-32.8 r-32.9	r–95.7	-32.7	-30.4 -62.2	-55.3	-3.6	.1 -1.8	37.7	38.8	7.6 10.5	33.4	·	P-26.1 P 0	
						7. PRICI	ES									
99 •	Sensitive commodity prices: Index of sensitive materials prices, 1982=100 Percent change from previous month Percent change from previous month, smoothed	119.48 51 65	122.66 57 66	121.60 86 72	121.31 24 69	121.25 05 59	120.30 78 56	119.92 32 50	118.20 -1.43 60	116.63 1.33 75	115.94 59 82	7116.20 7.22 7–.72	116.35 7.13 55	116.07 24 40	116.11 .03 –.26	117.86 1.51 .06
98	(L,L,L) †. Index of producer prices for sensitive crude and intermediate materials, 1982=100 (L,L,L).	136.16	138.08	137.01	136.25	136.39	136.68	136.60	134.47	134.59	134.66	r 134.82	135.52	135.54	138.98	141.28
	Cattle hides Lumber and wood products	173.4 132.1	196.8 128.1	187.4 128.2	184.0 128.2	174.3 131.0	171.6 135.4	162.2 135.1	161.4 132.6	155.5 133.3	157.1 133.7	163.7 134.3	164.0 136.1	168.7 138.1	172.5 142.6	166.2 145.0
	Wastepaper, news	101.8 64.0 165.3	108.6 74.5 183.8	113.6 75.3 181.2	112.7 76.3 177.0	110.0 74.8 175.0	105.3 63.4 168.2	98.5 61.5 162.5	95.9 54.9 154.1	92.3 54.4 143.0	91.6 53.7 146.1	794.1 752.9 7151.8	91.7 51.3 155.6	89.8 53.0 155.6	89.3 52.5 151.3	84.8 52.3 152.7
	Iron and steel scrap Copper base scrap Aluminum base scrap	147.6 170.0 142.8	155.0 182.6 165.8	152.4 177.3 160.4	151.0 173.5 154.8	146.0 170.8 143.3	138.9 168.4 131.3	142.2 167.2 139.4	142.9 165.6 139.6 132.5	145.8 160.9 133.9	147.0 164.9 128.5	7 146.4 7 163.9 7 125.6	143.3 165.7 123.2	137.1 154.9 124.7	137.3 161.9 136.9	142.9 161.5 141.7
	Other nonferrous scrap, n.e.c., NSA	135.8 128.7	146.4 128.5	146.1 128.1	144.2 128.1	140.5 128.1	132.1 128.2	132.9 128.7	129 (1	129.9 129.2	127.5 129.4	7126.3 7129.6	124.0 129.9	122.3 129.7	127.8 129.2	133.6 130.5
23 ♦	Raw cotton Domestic apparel wool Index of spot market prices, raw industrial materials, 1967=100, NSA (U,L,L) © 1	116.0 68.6 283.0	133.3 • 66.0 293.9	131.7 58.7 292.4	131.6 58.1 294.7	133.6 67.5 290.2	123.1 75.5 285.4	114.9 79.0 279.8	102.9 72.6 276.9	105.9 72.5 271.9	99.9 67.0 271.7	94.8 66.0 271.0	95.7 66.9 269.2	91.9 72.5 265.6	87.4 • 72.5 262.8	84.8 • 72.5 268.0
	Copper scrap, \$ per lb. ©	.848 .156 96.257 3.417	.916 .181 99.902 3.252	.889 .193 100.200 3.202	.886 .192 99.001 3.224	.826 .180 95.286 3.282	.846 .148 90.292 3.285	.865 .129 89.749 3.506	.863 .126 91.707 3.645	.811 .123 95.755 3.628	.817 .138 97.097 3.585	.808 .137 96.907 3.555	.784 .141 98.319 3.545	.825 .149 90.326 3.677	.854 .161 89.321 3.769	.827 .168 89.510 3.756
	Zinc, \$ per lb., NSA ©	.601 .282 .698	3.252 .652 .288 .822	.620 .288 .795	.620 .288 .795	.620 .288 .809	.620 .288 .736	.620 .288 .678	.598 .284 .642	.518 .272 .639	.505 .272 .591	.546 .271 .563	.593 .271 .567	.573 .271 .552	.562 .271 .529	.601 .271 .529
	Print cloth, \$ per yd., NSA ©	.834 4.172	.782 4.600	.810 4.312	.810 4.260	.820 4.300	.832 4.525	.850 4.270	.855 3.962	.880 3.852	.880 3.670	.880 3.738	.816 3.980	.782 3.888	.730 3.775	.758 4.040
	Hides, \$ per ib. NSA © Rosin, \$ per 100 lb. © Rubber, \$ per lb. © Tallow, \$ per lb. ©	.847 60.226 .457 .130	.858 58.766 .484 .124	.868 58.997 .492 .132	.958 61.538 .453 .135	.992 59.701 .449 .121	.965 60.362 .446 .117	.880 61.350 .427 .124	.772 61,856 .431 .144	.742 61.287 .437 .137	.752 60.914 .457 .136	.755 59.880 .469 .132	.710 58.997 .460 .126	.706 59.172 .435 .122	.678 58.997 .429 .120	.696 59.113 .434 .124
336	Producer Price Indexes: Finished goods, 1982=100 Percent change over 1-month span	121.7 0	121.6 7	121.2 3	121.4 .2	121.6 .2	121.4 2	121.2 2	121.5 .2 1.0	121.8 .2	122.1 .2	122.2 .1	122.1 1	121.7 3	122.0 .2	122.3 .2
337	Percent change over 6-month span, AR Finished goods less foods and energy, 1982=100 Percent change over 1-month span	.1 131.0 .3	-1.5 129.9 .2	-1.1 130.2 .2	–2.0 130.6 .3	2 130.8 .2	1.0 130.8 0	1.2 131.1 .2	1.0 131.3 .2	1.2 131.7 .3	.8 132.0 .2	.8 132.2 .2	.8 132.5 .2	132.9	133.0	133.3
334	Percent change over 6-month span, AR Finished consumer goods, 1982=100 Percent change over 1-month span	2.8 120.5 1	4.1 120.6 8	36	2.3 120.2	.2 2.2 120.4	2.3 120.1 2	.2 2.2 119.8 2	131.3 .2 2.2 120.2 .3	.3 2.6 120.4	.2 2.8 120.8 .3	2.6 120.9	2.4 120.7 2	120.1 5	120.5	120.7
333	Percent change over 6-month span, AR Capital equipment, 1982=100 Percent change over 1-month span	6· 126.7	8 -2.9 125.9	120.0 5 -2.5 126.2	-2.9 126.2 0	7 126.6 .3	.7 126.7	1.0 126.8 .1	.8 126.9	1.0 127.1	.5 127.3 .2	.5 127.5	.5 127.7	128.0	128.0	128.3
332	Percent change over 6-month span, AR	.2 2.2 114.4	3.7 115.8	3.4 114.5	1.8 114.1	1.6 114.0	1.4 114.2	1.8 113.8	1.4 114.1	1.6 114.3	1.9 114.0	1.7 - 114.0	.2 1.9 113.9	113.3	113.9	113.9
•	Percent change over 1-month span Percent change over 6-month span, AR	2 -2.3	5 -6.3	-1.1 -4.4	3 -4.4	1 -2.9	.2 3	4 2	.3	.2 5	3 9	70 4	71 7	5 97.7	.5	0
331	Crude materials for further processing, 1982=100 Percent change over 1-month span Percent change over 6-month span, AR	101.2 -1.0 -10.5	104.4 -7.8 -26.4	100.7 -3.5 -20.3	100.4 3 -23.1	100.9 .5 -9.9	99.3 1.6 4.5	99.3 0 .2	99.1 2 -1.0	98.4 7 -2.0	100.5 2.1 -3.2	100.4 1 .6	98.3 -2.1 -1.0	–.6l	99.4 1.7	97.9 -1.5
311	Fixed-weighted price index, gross domestic business product, 1987=100 §.	117.2	r116.1		••••••••••••••••••••••••••••••••••••••	r117.0			117.7			r 118.2			P 119.0	
•	Percent change from previous quarter, AR § Consumer Price Indexes for all urban consumers:	3.6	*4.7			73.2	,,,,,,,,,,,,		*2.4		,	72.0			P 2.5	
320	All items, 1982-84=100, NSA	136.2 .2 3.0	134.8 .1 2.9	135.0 .1 2.9	.2 2.2	135.6 .2 2.5 141.6	136.0 .3 3.0	136.2 .1 3.0	136.6 .3 3.3	137.2 .4 3.1	137.4 .2 3.1	137.8 .4 3.1	137.9 .2 3.4	138.1	138.6	139.3 .5
323	All items less food and energy, 1982-84=100	142.1	140.5 .6 5.1	140.9 .3 5.0	141.3 .3 4.1	.21	142.0 .3 3.9	142,4 .3 3.7	143.0 .4 4.0	143.6 .4	143.9 .2 3.8	144.4 .3 3.8	144.7 .2 3.9	145.1 .3	145.7 .4	146.4 .5
120 ♦	Services, 1982-84-100 Percent change from previous month, AR Percent change from previous month, AR, smoothed (Lg_Lg_Lg)†.	4.2 146.3 4.6 4.6	144.4 5.1 5.9	144.8 3.4 5.6	145.1 2.5	3.6 145.5 3.4 4.5	145.9 3.3 4.0	146.5 5.0 3.8	147.0 4.2 3.8	3.8 147.6 5.0 3.9	148.1 4.1 4.0	148.6 4.1 4.1	149.2 5.0 4.3	149.7 4.1 4.3	150.0 2.4 4.1	150.7 5.7 4.2

NOTE.—The following current high values were reached before February 1991: November 1983—8Cl-99 smoothed (2.09); February 1984—8Cl-28 (2.260) and BCl-29 (158.5); 1st Q 1984—8Cl-30 (79.9); 2d Q 1985—8Cl-87 (199.1); March 1986—8Cl-77 (1.58); 3d Q 1986—8Cl-89 (23.1.3); October 1988—8Cl-99 change (3.37); December 1988—8Cl-31 (38.6); March 1989—8Cl-99 (3.7); December 1988—8Cl-97 (705.14); February 1990—8Cl-69 (484.43); August 1990—8Cl-98 (142.13); September 1990—8Cl-66 (126.4) and BCl-120

Series	Series title and timing classification	Year						1991							1992	
no.	Series title and timing classification	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. *
				8	. PROFI	TS AND	CASH F	LOW						 		
16 + 18 + 22 +	Profits and profit margins: Corporate profits after tax, bil.\$, AR (L,L,L) Corporate profits after tax, bil.\$ 1987\$, AR (L,L,L) Ratio, corporate domestic profits after tax to corporate domestic income, percent (L,L,L).	187.9 162.2 4.6	189.7 164.8 4.4			182.7 157.8 4.6			189.6 163.4 4.8			7189.7 7162.8 4.7				
81 + 26 +	Ratio, corporate domestic profits after tax with IVA and CCAdj to corporate domestic income, percent (U,L,L). Ratio, implicit price deflator to unit labor cost, all persons, nonfarm business sector, 1982–100 (L,L,L).	4.4 102.6	4.2 102.5			4.5 102.4			4.3 102.6			4.7 102.8				
35	Corporate net cash flow, bil. 1987s, AR (L,L,L)	392.2	385.3		••••••	383.7			395.3			r 404.4			·······	
			9.	WAGES	LABOR	COSTS	, AND P	RODUCT	TIVITY							
345	Wages and compensation: Index of average hourly compensation, all employees, nonfarm business sector, 1982=100.	143.4	141.6		·	143.1			144.1			145.1				
346	Percent change from previous quarter, AR	4.0 101.6	2.7 101.3			4.6 101.8			2.6 101.7			2.8 101.6				
53 ♦	employees, nonfarm business sector, 1982–100. Percent change from previous quarter, AR Wages and salaries in mining, mtg., and construction, bil. 1987\$, AR (C,C,C).	2 607.2	5 609.9	604.0	604.5	2.0 607.5	607.9	607.8	1 609.6	608.0	609.4	7 600.2	603.9	r 594.7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	P 595.2
63	Unit labor costs: Index of unit labor cost, all persons, business sector, 1982=100 (Lq,Lq,Lq).	131.9	131.0			131.8			132.3			132.6				
62 ♦	Index of labor cost per unit of output, mfg., 1987=100 . Percent change from previous month, AR	107.1 .9 2.6	107.0 3.4 7.1	107.4 4.6 6.8	107.3 -1.1 5.5	107.1 −2.2 3.8	106.9 -2.2 1.9	106.5 4.4 0	106.9 ,4.6 5	106.6 -3.3 -1.2	107.3 8.2 3	107.0 -3.3 2	*108.1 *13.1 *1.6	′107.6 ′–5.4 ′1.8	r107.7 r1.1 r1.8	P 107.9 P 2.3 P 1.8
370	Productivity: Index of output per hour, all persons, business sector, 1982=100.	110.0	109.4	***************************************		109.9	***************************************		110.2			110.8				
*	Percent change over 1-quarter span, AR	.2	1 .5			1.9 1.3			1.1			2.2				
358	Index of output per hour, all persons, nonfarm business sector, 1982=100.	108.4	107.9	***************************************	***************************************	108.4			108.6			109.1				
			10. PI	ERSONA	L INCO	ME AND	CONSU	MER AT	TITUDES	3			·			
52 51 ◆	Personal income. Personal income, bil. 1987\$, AR (C.C.C) Personal income less transfer payments, bil. 1987\$, AR (C.C.C).	4,051.1 3,414.8	4,028.1 3,405.2	4,048.6 3,420.7	4,040.5 3,411.0		4,065.3 3,431.5	4,047.8 3,412.4	4,055.3 3,416.2	4,057.3 3,418.3	4,059.0 3,410.6	4,044.1 3,398.1	4,077.5 3,417.6	r4,065.1 r3,386.7	r4,088.3 r3,405.8	
58	Indexes of consumer attitudes: Consumer sentiment, U. of Michigan, 1966:l=100, NSA (L,L,L) © 1.	77.6	70.4	87.7	81.8	78.3	82.1	82.9	82.0	83.0	78.3	69.1	68.2	67.5	68.8	76.0
83 ♦	Consumer expectations, U. of Michigan, 1966:l=100, NSA (L,L,L) © ¹ .	70.3	62.0	84.5	74.7	71.5	75.9	74.4	75.3	76.4	70.5	61.9	61.5	59.1	61.8	70.3
122	Consumer confidence, The Conference Board, 1985=100 (L,L,L).	68.5	59.4	81.1	79.4	76.4	1		76.1	72.9	l i	52.7	52.5	50.2	47.3	ļ
123 +	Consumer expectations, The Conference Board, 1985=100 (L,L,L).	85.8	63.6	100.7	99.7	95.5	100.9	100.3	96.8	95.4	79.5	69.7	72.6	68.7	63.5	76.7
						11. SAV	ING	,								
290 295 292	Gross saving, bil.\$, AR Business saving, bil.\$, AR	715.2 667.6	746.9 660.4			713.1 663.4			697.2 663.1			703.8 683.3				
298 ♦	Government surplus or deficit, bil.\$, AR	219.3 -171.6	212.6 -126.1			228.8 179.1			212.5 -178.4			223.4 7-202.9			P 205.6	
293 +	Personal saving rate, percent	5.2	5.1			5.4			5.0	L		5.2	***************************************	••••••	P 4.7	
	Tu		12. MON	EY, CHE	DII, INI	EREST	HATES,	AND ST	OCK PHI	CES		-			<u> </u>	
85 • 102 • 105 106 •	Money: Percent change in money supply M1 (L.L.L) Percent change in money supply M2 (L.C.U) Money supply M1, bil. 19828 (L.L.L) Money supply M2, bil. 19828 (L.L.L)	.70 .25 609.2 2,409.4	1,21 .76 598,1 2,410,2	.73 .52 601.6 2,419.2	600.6	7.32 605.2	.18	13 609.5	.76 .06 611.9 2,407.8	.06 613.7	.17 618.6	.40 623.8	.76 .24 627.2 2,401.8	1.35 7.26 635.2 72,406.3	2.25 7.78 647.7 72,418.3	P 649.6
107	Velocity of money: Ratio, gross domestic product to money suppy M1	6.595	6.694			6.648	ĺ		6.591		,	6.448			₽6.269	
108	(C,C,C). Ratio, personal income to money supply M2 (C,Lg,C)	1.421	1.413	1.412	1.412			1.418	1,424	1.428	1.429	1.421	1.432	r 1.425	*1.428	l
93 94	Bank reserves: Free reserves, mil.\$, NSA (L,U,U) ‡	882 373	1,590 252	991 241	886 231	815 303			622 764	586 645	834 261	785 108	788 192	771 233	990 77	P 941 P 91
112 + 113 +	Credit flows: Net change in business loans, bit.\$, AR (L,L,L) Net change in consumer installment credit, bil.\$, AR	-39.46 -5.68	-33.14 -2.41	43.75 -3.84		-66.24 -15.97			-134.86 -10.25			-8.68 -2.04	-68.50 -8.74	-46.25 7.64	740.24 P-2.39	
111	(L,L,L). Percent change in business and consumer credit	-5.6						1	l	ł	,		r_5.7	r-4.2	P.7	
110 ◆	outstanding, AR (L,L,L). Funds raised by private nonfinancial borrowers in credit markets, mil.\$, AR (L,L,L).	203,292	297,996			210,120			133,260			P 171,792			ļ	
14	Credit difficulties: Current liabilities of business failures, mil.\$, NSA (L.L.L) ‡.		P 11,997.2	₽7,317.7	₽5,069.1	P 12,248.0	° 4,930.5	P 4,734.1	₽3,202.1	¢5,963.0	p 10,126.2	P 4,582.8				
39	Percent of consumer installment loans delinquent 30 days and over (L,L,L) \$\ddot\ddot\ddot\ddot\ddot\ddot\ddot\ddo	2.58	2.53	2.67	2.65	2.65	2.73	2.79	2.79	2.74	2.58	2.62	2.58			

NOTE.—The following current high values were reached before February 1991: January 1983—BCI-102 (2.82); May 1983—BCI-123 (124.3); July 1983—BCI-14 (829.2); February 1984—BCI-39 (1.78); March 1984—BCI-58 (101.0) and BCI-83 (97.7); 1st Q 1984—BCI-22 (7.0); May 1984—BCI-93 (-2.380); June 1984—BCI-111 (223); August 1984—BCI-94 (8.017); 4th Q 1984—BCI-107 (7.058); September 1985—BCI-13 (132.08); 3d Q 1985—BCI-81 (8.3); 4th Q 1985—BCI-10 (978.568); 1st Q 1985—BCI-26 (105.1); December 1986—BCI-85 (2.50); May 1988—BCI-106

(2,473.4); October 1988—BCI-53 (671.2); 4th Q 1988—BCI-16 (226.0), BCI-18 (215.1), and BCI-35 (460.4); February 1989—BCI-122 (120.7); May 1989—BCI-112 (119.74); July 1990—BCI-51 (3.509.8) and BCI-52 (4,107.1); and December 1990—BCI-62 change (28.2). See page C-6 for other footnotes.

1995 Fig. Sept.	 -		` ·											·	11/11/19		
Charactery net: 12. MONEY, CREDIT, INTEREST RATES, AND STOCK PRICES - Confirmed	Series no.	Series title and timing classification		Eab	Mar	Ann	Mov	luna		Area	Cont	001	Mou	Doc	lan		Nor *
Commission of continuing mass of continuing miles 75.00 722.													1404.	Dec.	Jan.	100.	mai.
Fig. Commissional control		Outstanding dobt	12. MOI	VEY, CH	EDIT, IN	TERES	RATES	, AND S	TOCK P	RICES—	Continue	€ d	- 1		- 1		
19	66	Consumer installment credit outstanding, mil.\$	729,420	732,762	732,442	733,621	732,289	730,591	729,962	729,108	729,152	730,317	730,147	729,420	- 729,473	p 729,274	
19 Commence and redurative loss encountering in 1969 385-79	72	Commercial and industrial loans outstanding, mil.\$,	449,234	464,784	468,430	460,771	455,251	451,073	451,894	440,656	434,866	434,230	433,507	427,799	423,945	r 427,298	P 431,265
15.0 15.0	101 💠	Commercial and industrial loans outstanding, mil. 1982\$	385,475	396,573	403,124	397,216	390,773	387,520	389,228	379,222	374,562	373,050	372,429	369,110	366,734	r368,043	P 371,460
10	95 ♦	Ratio, consumer installment credit outstanding to personal income, percent (Lg,Lg,Lg).	15.12	15.39	15.32	15.31	15.18	15.08	15.10	15.02	14.96	14.96	14.97	14.81	r 14.84	P 14.69	
190	119 + 114 + 116 + 115 + 117	Federal funds rate (L.I.g.I.g) Discount rate on new 91-day Treasury bills (C.I.g.I.g) Yield on new high-grade corporate bonds (I.g.I.g.I.g.) Yield on long-term Treasury bonds (C.I.g.I.g) Yield on municipal bonds, 20-bond average (U.I.g.I.g.) Secondary market vields on FHA montagues (I.G.I.d.I.g.)	5.41 9.05 8.16 6.92	9.14 8.12 6.91	5.91 9.14 8.38 7.10	5.67 9.07 8.29 7.02	5.51 9.13 8.33 6.95	5.60 9.37 8.54 7.13	5.58 9.38 8.50 7.05	5.39 8.88 8.17 6.90	5.25 8.79 7.96 6.80	5.03 8.81 7.88 6.68 8.71	4.60 8.72 7.83 6.73	4.12 8.55 7.58 6.69	3.84 8.36 7.48 6.54 8.72	3.84 8.65 7.78 6.74 8.74	3.98 4.05 8.62 7.93 6.76 8.85
13. NATIONAL DEFENSE	109 ÷	Average prime rate charged by banks (Lg,Lg,Lg)									1	1			6.50		6.50 407.36
## Production industries industries from the participant of the partic		- 1177		L		13. NA	TIONAL	DEFENS	E		{						L
## Production industries industries from the participant of the partic	525	Defense Department prime contract awards, mil.\$		13,411		6,041			9,355						11,134		
## Professor Control of Profes	548 557	Index of industrial production, defense and space		7,922 94.5		7,790 92.5	9,531 91.5	8,281 91.0	9,385 90.0	10,804 89.8	5,517 89.1		5,153 88.8		77,811 786.9	r6,360 r86.3	° 6,858 ° 85.8
Exports, encluding millarly aid shipmers, mills	570 564 ◆	Employment, defense products industries, thous,	1,140 323.5		1,167	1,157		1,137	1,128		1,122	1,118		1,105	^1,098 		
Contents inforts motion miles Contents mil					1	4. EXP	ORTS AN	ID IMPO	RTS								
Contents inforts motion miles Contents mil	602 604	Exports, excluding military aid shipments, mil.\$	422,532 38,449		34,030 3,042	35,632 3,042		34,974 3,057	35,225 3,261		35,345	37,111 3,291	36,937 3,478	35,886 3,660	r 35,405 3 292		
Industrial production indexes (1987-100):	606 612	Exports of nonelectrical machinery, mil.\$	89,427	6,977	6,947	7.732	7.440	7,439 38,764	7,555 41,176	7,258	7,609 42,282	7,656 43,434	7.996	7,749 41,886	7.352	7,948	
10.4018	614	Imports of petroleum and petroleum products, mil.\$	50,154	4,002	4,000	4,195	4,303	4,352	4,141	4,381	3,958	4,041	3,736	3,968	3,391	3,312	
Industrial production indexes (1987-100);	618 +	Merchandise exports adjusted excluding military mil \$ 1	416,517	100,549			103,889			104,018			P 108,061				
Industrial production indiscee (1987-100):	622	Balance on merchandise trade, mil.\$1	-73,586		***************************************								P-18,662				
## 47 + United States ## 107.1 105.7 105.0 105.5 106.4 107.3 101.1 100.0 101.4 106.4 106.1 107.4 106.8 107.2 107.4 106.5 106.9 107.2 107.2 107.2 107.4 108.1 107.4 108.1 107.4 108.1 107.4 108.1 107.2 109.1					15. II	NTERNA	TIONAL	COMPA	RISONS								
		Industrial production indexes (1987=100): United States				105.5	106.4									r 106.9	P 107.2
France	728 +	Japan	124.1	125.7	123.0	123.3	126.0	122.8	126.6	122.8		123.9	123.8	122.0	121.5		
United Kingdom	726 ♦	Federal Republic of Germany	118 110			118 110	117 110						118 110	113 109			
Consumer price inclores (1982-84-100): United States, NSA 136,2 136,2 136,2 136,5 136,0 136,2 136,6 136,0 136,2 136,6 136,0 136,2 136,6 136,0 136,2 136,6 137,0 136,1 136,1 137,1 137,1 138,1	722 🛧	United Kingdom	100	101	101	99	98	101	102	100	100	101	100	100	P 99		***************************************
United States, NSA	723 +	Canada			95.3					97.3							
Sepan, NSA 15.0 13.5 114.0 114.7 115.3 114.9 115.1 115.4 115.6 116.0 115.8 115.7 1	320	Consumer price indexes (1982-84=100): United States, NSA	136.2	134.8				136.0		136.6					138.1	138.6	
76 Percent Change over 6-month span, AR 1372 135,7 135,8 136,3 136,6 136,9 137,4 137,7 138,0 138,6 138,9 139,1 139,4 139,8 140,2 139,4 139,8 140,2 139,4 139,8 139,1 139,4 139,8 140,2 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 140,2 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,1 139,4 139,1 139,4 139,1 139,4 139	738	Japan, NSA	115.0	2.9 113.5	114.0	114.7	115.3		114.7	3.3 114.9	115.1	116.4	116.6		115.8	115.7	
76 Percent Change over 6-month span, AR 1372 135,7 135,8 136,3 136,6 136,9 137,4 137,7 138,0 138,6 138,9 139,1 139,4 139,8 140,2 139,4 139,8 140,2 139,4 139,8 139,1 139,4 139,8 140,2 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 140,2 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,8 139,1 139,4 139,8 139,1 139,4 139,1 139,4 139,1 139,4 139,1 139,4 139,1 139,4 139	735	Percent change over 6-month span, AR Federal Republic of Germany, NSA	116.0	2.9 114.3	2.3 114.2	.7 114.7	115.2	.2 115.8	2.3 116.8	3.5 116.8	117.0	2.5 117.4	117.9	118.0	r 118.5	119.2	
Percent change over 6-morth span, AR	736	Percent change over 6-month span, AR France, NSA	137.2	2.1 135.7	3.4 135.8	136.3	136.6	5.9 136.9	6.0	6.0 137.7		72.8 138.6	3.4 138.9	139.1	139.4	139.8	140.2
Percent change over 6-month span, AR	732	Percent change over 6-month span, AR	2.9 156.9							3.5		3.2	73.7 159.3				160.6
Percent change over 6-month span, AR	737	Percent change over 6-month span, AR	4.2 169.9	4.8	5.0 167.4	4.9 168.2		4.3	4.2	4.3	3.9	3.7	4.0 173.8	4.0 174.2	175.5	175.9	176.6
Stock price indexes (1967=100, NSA):	• I	Percent change over 6-month span, AR	5.9	6.5	6.8	6.1	5.6	5.5	5.7	6.0	5.4	6.1	4.8	5.3	***************************************		
9	•		2.8		7.2	1.6		2.1		1.8				.7			
745 + Federal Republic of Germany 317.0 308.8 314.8 324.2 327.9 339.3 329.1 326.3 330.2 315.8 313.2 301.3 315.1 2325.8 232.6 232.6 232.1 226.6 23.1 242.6 232.6 232.1 242.6 242.5 242.5 242.5 241.6 229.7 242.5 244.6 229.7 242.5 244.6 229.8 241.1 229.7 242.5 242.5 244.6 229.8 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.7 249.8 249.7 249.8 249.7 249.8 249.9 241.1 249.8 249.8 249.8 249.9 241.1 249.8 24		United States			405.0	413.0											
742 + United Kingdom	745 ♦	JapanFederal Republic of Germany	317.0	300.8	314.8	324.2	327.9	339.3	329.1	1,593.0 326.3	330.2	315.8	313.2	301.3	315.1	P 325.8	P 332.3
747 + Italy	746 •	France	814.2	740.0	822.6	820.1	840.7	810.1	810.1	832.6 1,200.5	871.7	861.7	856.9	809.7	r891.2	° 907.8	920.4
Exchange rates: Exchange value of U.S. dollar, index: March 1973=100, 89.73 82.12 88.12 91.41 92.29 95.18 95.19 93.47 91.18 90.69 87.98 85.65 86.09 88.04 90.48 NSA*. Foreign currency per U.S. dollar (NSA): Japan (yen) T55 + Federal Republic of Germany (d. mark) 1.6595 1.4805 1.6122 1.7027 1.7199 1.7825 1.7852 1.7435 1.6933 1.6208 1.5208 1.5788 1.6936 1.5788 1.6186 1.6618	747 •	Italy	321.7	318.0	336.5	342.0	331.6	355.9	335.2	325.8	315.2	304.7	306.4	299.4	321.3	P 324.7	P 307.3
Foreign currency per U.S. dollar (NSA): Japan (yen) 134.51 130.54 137.39 137.11 138.22 139.75 137.83 136.82 1.7855 Federal Republic of Germany (d. mark) 1.6585 1.4805 1.6588 5.6388 5.0398 5.6388 5.0398 5.6388 5.7540 5.752 United Kingdom (pound) 5.698 1.239.62 1.1480 1.1549 1.1572 1.1573 1.1572 1.1573 1.1480 1.1572 1.1572 1.1572 1.1573 1.1480 1.1572 1.1572 1.1572 1.1573 1.1499 1.1493 1.1493 1.1493 1.1493 1.1493 1.1493 1.1493 1.1493 1.241.1 1.242.1 1.242.1 1.242.5 1.243.8 1.243.8 1.243.8 1.243.8 1.254.6 127.70 1.22.66 1.277.0 1.28.04 1.25.46 1.277.0 1.28.04 1.25.46 1.277.0 1.28.04 1.25.46 1.277.0 1.28.04 1.25.46 1.277.0 1.28.04 1.6814 1.6	750 +	Exchange rates: Exchange value of U.S. dollar, index: March 1973=100,	1				!					ļ					90.44
756 → Federal Republic of Germany (d. mark) 1.6585 1.4805 1.6122 1.7027 1.7199 1.7828 1.7852 1.7435 1.6933 1.6893 1.5208 1.5380 1.5786 1.6186 1.6616 5.6407 1.755 → France (franc) 5.6388 5.0398 5.4862 5.7540 5.7540 5.8282 6.0483 6.0596 5.938 5.792 5.803 5.5391 5.3406 5.3858 5.5088 5.6407 5.755	759	Foreign currency per U.S. dollar (NSA):	104 54	120 54	197 90	10711	120.00	120.75	10700	100 00	124 20	120.77	120.62	100 04	105.40	107.70	100.00
752 + United Kingdom (pound)56675687568154905715580168626056593857925803561954735528562558075801	755 ♦	Federal Republic of Germany (d. mark)	1.6585	1.4805	.1.6122	1.7027	1.7199	1.7828	1.7852	1.7435	1.6933	1.6893	1.6208	1.5630	1.5788	1.6186	1.6616
757 ♦ Italy (lira)	752 +	United Kingdom (pound)	.5667	.5091	.5490	.5715	.5801	.6062	.6056	.5938	.5792	.5803	.5619	.5473	.5528	.5625	.5801
990 + CIBCR long-leading composite index, 1967=100 ⁴		Italy (lira)							1,329.55 1.1493				1,221.04 1.1302				1,248.28 1.1928
990 ♦ CIBCR long-leading composite index, 1967=100 ⁴			· · ·			L				لـــــا			[<u> </u>
991 • CIBCR short-leading composite index, 1967=100 ⁴		CIBCR long-leading composite index, 1967=100 4			^{232.4}	r 235.4	r 237.5	r239.5	²240.7	²239.9			⁷ 242.5				P 244.4
	991 +	CIBCR short-leading composite index, 1967=100 4	204.6	r 198.1		r200.4	r 203.0	r204.7	ــــــا		208.7	r209.2	r210.0	²207.8	′210.8	r 212.0	° 213.6

NOTE.—The following current high values were reached before February 1991: May 1984—BCI-118 (15.01); June 1984—BCI-115 (13.00), BCI-116 (14.49), and BCI-117 (10.67); August 1984—BCI-109 (13.00), BCI-114 (10.49), and BCI-119 (11.64); September 1989—BCI-95 (16.07); July 1990—BCI-101 (409,650); October 1990—BCI-72 (476,667);

and November 1990—BCI-66 (736,411). See page C-6 for other footnotes.

FOOTNOTES FOR PAGES C-1 THROUGH C-5

Anticipated.

AR Annual rate. Corrected.

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Estimated.

Available data for later period(s) listed in notes.

NSA Not seasonally adjusted.

Preliminary. Revised.

Graph included for this series.

Major revision-see notes.

End of period.

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

- ‡ Cyclical indicator series denoted by ‡ are inverted (i.e., the sign is reversed) for cyclical analysis calculations, including classifications, contributions to composite indexes,
- † Cyclical indicator series denoted by † are smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

For information on composite indexes and other concepts used in this section, see "Composite Indexes of Leading, Coincident, and Lagging Indicators" in the November 1987 Survey of Current Business and "Business Cycle Indicators: Revised Composite Indexes" in the January 1989 Survey.

References to series in this section use the prefix "BCI-" followed by the series number. Unless otherwise noted, series are seasonally adjusted.

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

Diffusion indexes are defined as the percent of components rising plus one-half of the percent of components unchanged. Diffusion index data are centered within the spans:

1-month indexes are placed in the ending month and 6-month indexes are placed in the 4th month.

High values reached by cyclical indicators since the last reference cycle trough (November 1982) are shown in boldface type; high values reached prior to the period shown in the table are listed at the bottom of each page. For inverted series, low values are indicated as highs.

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

Page C-1

- * Preliminary April 1992 values: BCI-19 = 406.64 and BCI-109 = 6.50.
- Data exclude Puerto Rico, which is included in figures published by the source agency.
- 2. Copyrighted. This series may not be reproduced without written permission from the University of Michigan, Survey Research Center, P.O. Box 1248, Ann Arbor, MI 48106-1248.
 - 3. Excludes BCI-57, for which data are not available.
 - 4. Excludes BCI-77 and BCI-95, for which data are not available.

Page C-2

- * Anticipated 2d quarter 1992 values: BCI-61 = 557.48 and BCI-100 = 525.17.
- 1. Data exclude Puerto Rico, which is included in figures published by the source agency
- 2. Copyrighted. This series may not be reproduced without written permission from McGraw-Hill Information Systems Company, F.W. Dodge Division, 1221 Avenue of the Americas, New York, NY 10020.

Page C-3

Note.—Major data revision: The fixed-weighted price index for gross domestic business product (BCI-311) is now shown from 1982 forward, reflecting the recent revisions in the national income and product accounts. Data for the earlier period will be included when they become available. For further information, contact the U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Wealth Division, Washington, DC 20230.

Preliminary April 1992 value: BCI-23 = 277.6.

1. Copyrighted. This series may not be reproduced without written permission from Commodity Research Bureau, Inc., 75 Wall Street, 22d Floor, New York, NY 10005.

Page C-4

- * Preliminary April 1992 values: BCI-122 = 64.8, BCI-123 = 89.5, and BCI-85 = 0.32.
- 1. Copyrighted. This series may not be reproduced without written permission from the University of Michigan, Survey Research Center, P.O. Box 1248, Ann Arbor, MI 48106-1248.

Page C-5

- * Preliminary April 1992 values: BCI-119 = 3.80, BCI-114 = 3.83, BCI-116 = 8.59, BCI-115 = 7.85, BCI-117 = 6.67, BCI-109 = 6.50, BCI-19 (1941-43=10) = 406.64, BCI-19 (1967=100) = 442.3, BCI-748 = 1,153.3, BCI-745 = 332.7, BCI-746 = 929.4, BCI-742 = 1,197.7, BCI-747 = 303.6, BCI-743 = 373.8, BCI-750 = 89.77, BCI-758 = 133.54, BCI-755 = 1.6468, BCI-756 = 5.5722, BCI-752 = 0.5704, BCI-757 = 1,240.10, and BCI-753 = 1.1861.
- 1. Balance of payments basis: Excludes transfers under military grants and Department of Defense sales contracts (exports) and Department of Defense purchases (imports).
 - 2. Organisation for Economic Co-operation and Development.
- 3. This index is the weighted-average exchange value of the U.S. dollar against the currencies of the other G-10 countries plus Switzerland. Each country is weighted by its 1972-76 global trade. For a description of this index, see the August 1978 Federal Reserve Bulletin (p. 700).
- 4. This index is compiled by the Center for International Business Cycle Research (CIBCR), Graduate School of Business, Columbia University, New York, NY 10027.

Notes for Pages C-7 Through C-24

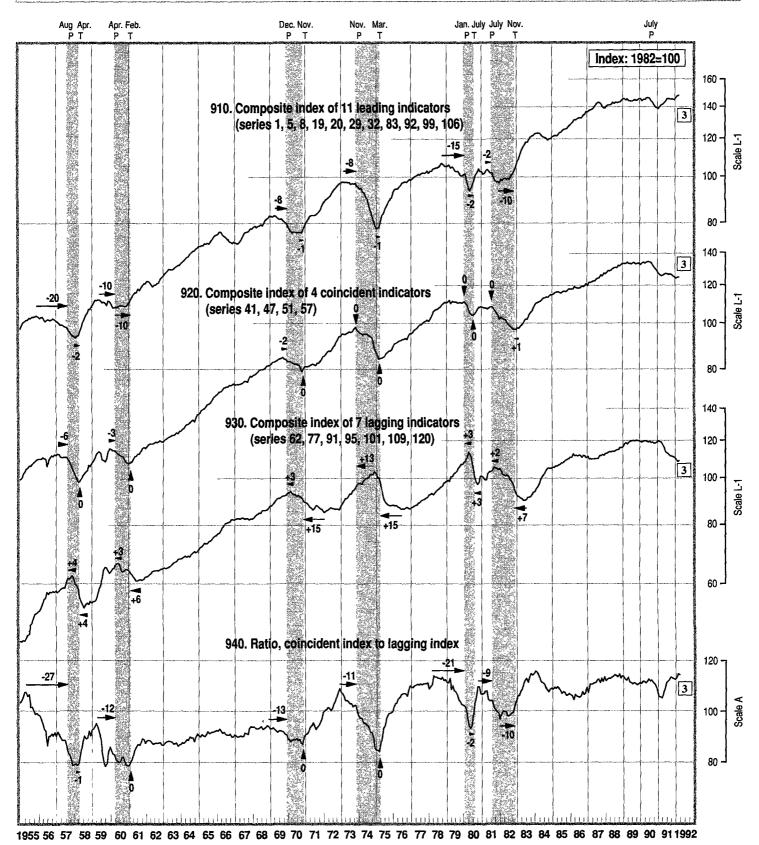
The following notes explain general features of the charts that appear in this section:

- Business cycle peaks (P) and troughs (T), as designated by the National Bureau of Economic Research, Inc., are indicated at the top of each chart. The shaded areas represent recessions.
- . For each series classified as a cyclical indicator, the timing classifications at peaks, at troughs, and overall are shown in a box adjacent to the title. (L = leading, C = coincident, Lg = lagging, U = unclassified.) A complete list of series titles and sources is shown in the April and October issues of the Survey.
- · Arithmetic scales are designated "Scale A." On the same arithmetic scale, equal vertical distances represent equal differences in data. (For example, the vertical distance from 10 to 15 is the same as the distance from 100 to 105.)
- Logarithmic (log) scales are designated L-1, L-2, or L-3 to indicate their relative size. On log scales of the same size, equal vertical distances represent equal percentage changes. (For

example, the vertical distance from 10 to 15 is the same as the distance from 100 to 150.) Compared with an L-1 scale, the same percentage change covers half the distance on an L-2 scale and one-third the distance on an L-3 scale.

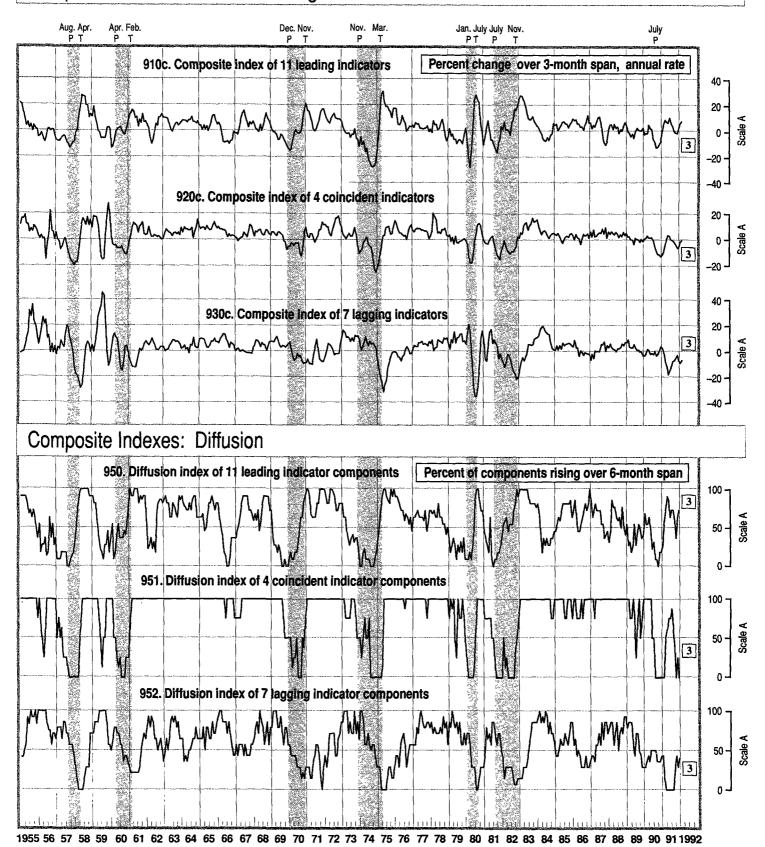
- . Data are monthly unless otherwise indicated. Quarterly data are indicated by a "Q" following the series title.
- Some series include a centered moving average, which is shown as a heavy line superimposed on the actual monthly data.
- Parallel lines across a plotted series indicate a missing data value, change in definition, or other significant break in continuity.
- The box near the end of each plotted series indicates the latest data month (Arabic numeral) or quarter (Roman numeral) shown or, for series computed over a span of time (diffusion indexes and rates of change), the latest data period used in computing the series.

Composite Indexes



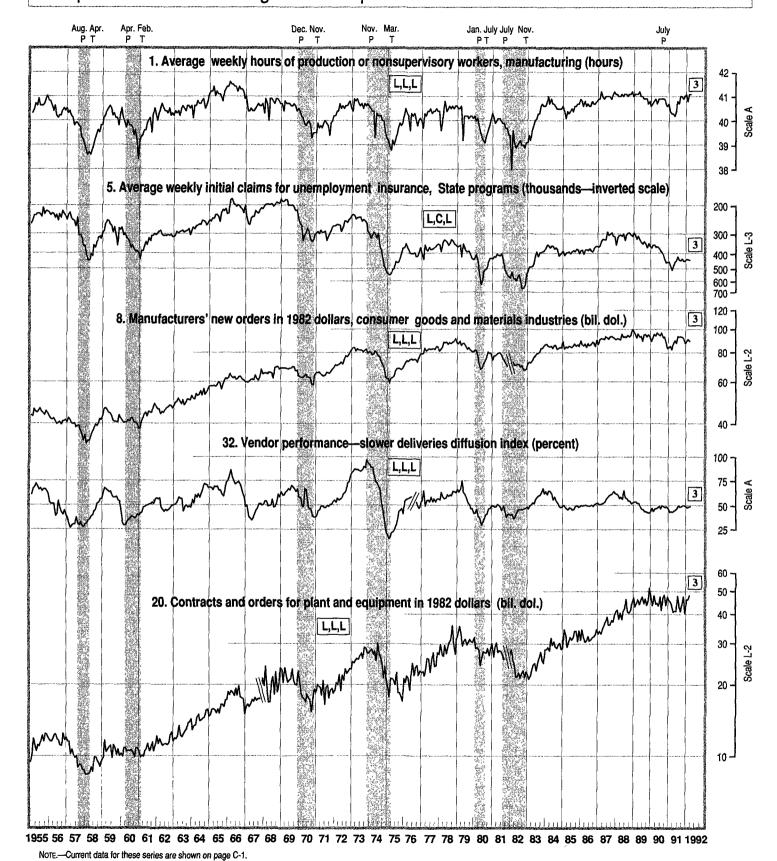
Note.—The numbers and arrows indicate length of leads (-) and lags (+) in months from business cycle turning dates. Current data for these senes are shown on page C-1.

Composite Indexes: Rates of Change

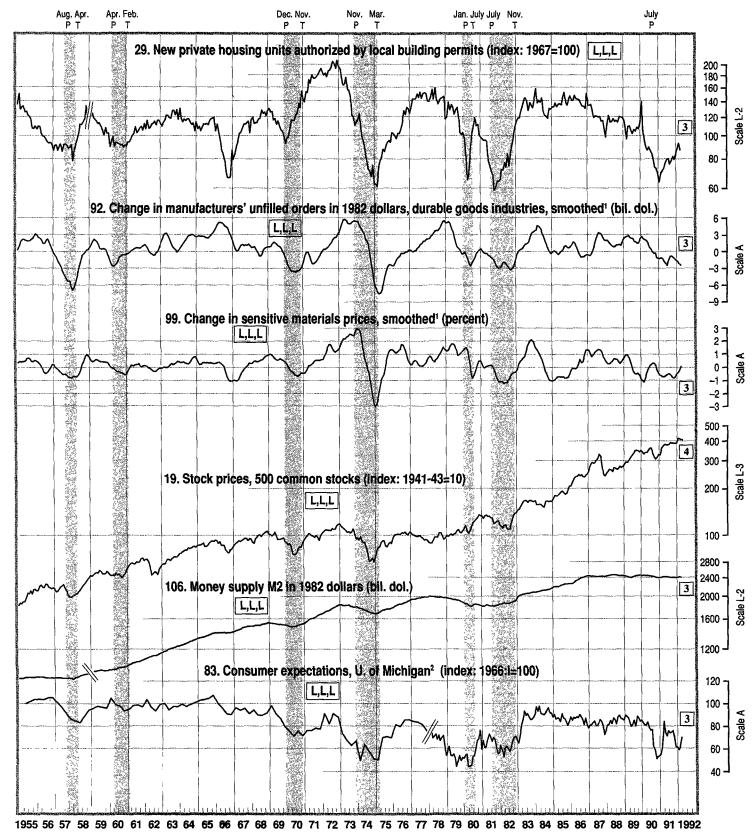


Note.—Current data for these series are shown on page C-1.

Composite Indexes: Leading Index Components



Composite Indexes: Leading Index Components—Continued

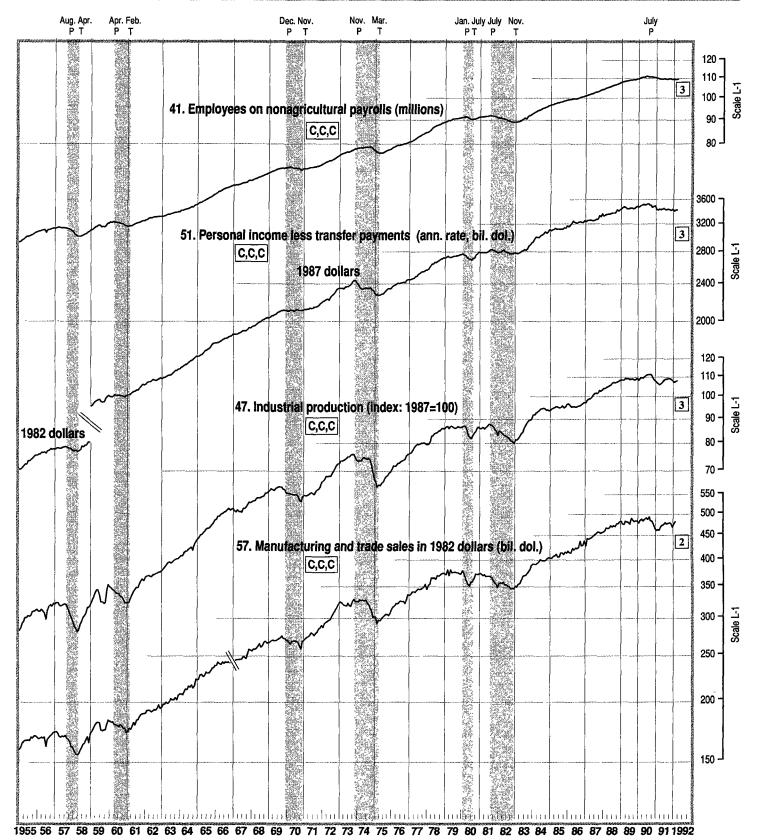


^{1.} This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada.

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

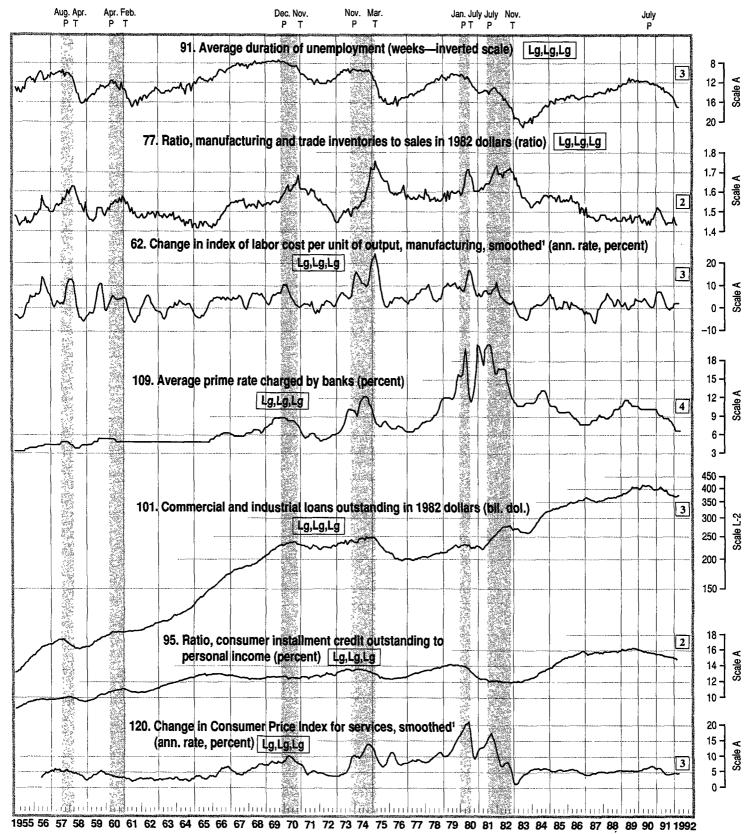
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Composite Indexes: Coincident Index Components



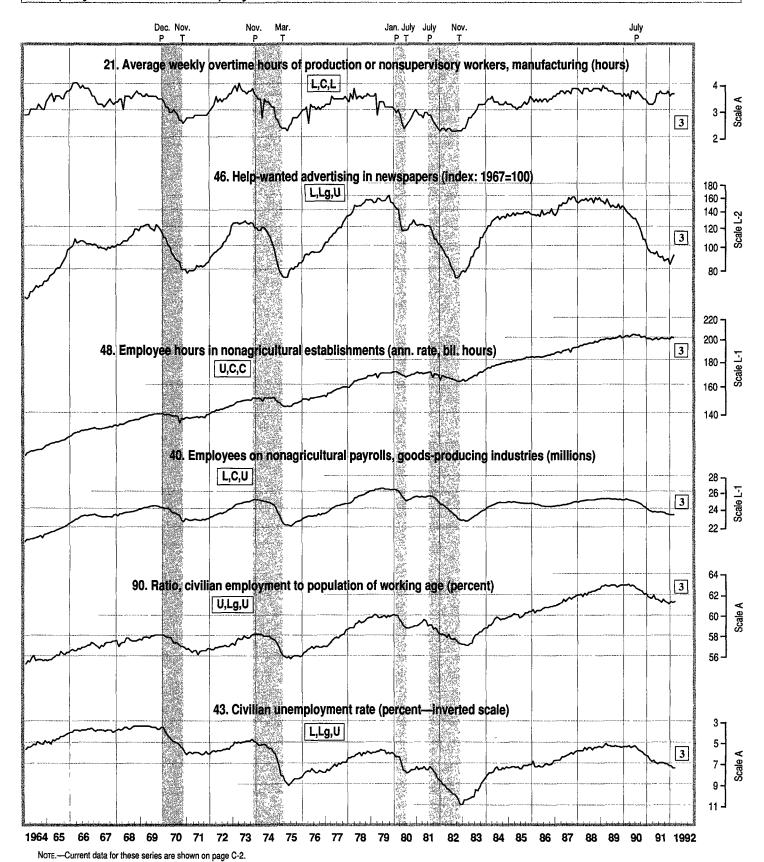
Note.—Current data for these series are shown on page C-1.

Composite Indexes: Lagging Index Components

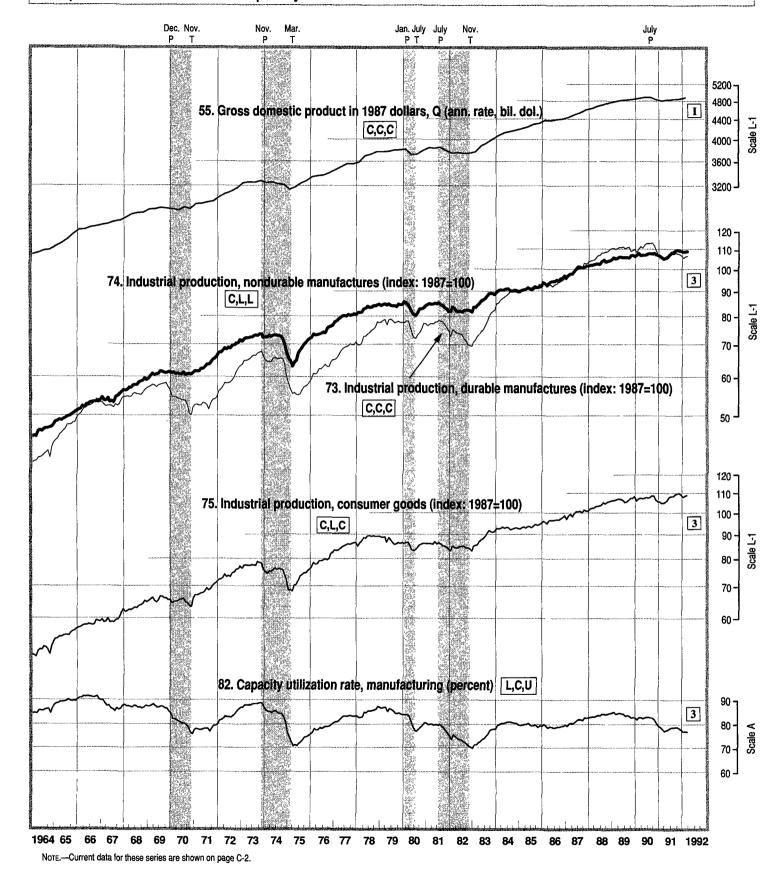


This series is smoothed by an autoregressive-moving-average filter developed by Statistics Canada. Note.—Current data for these series are shown on page C-1.

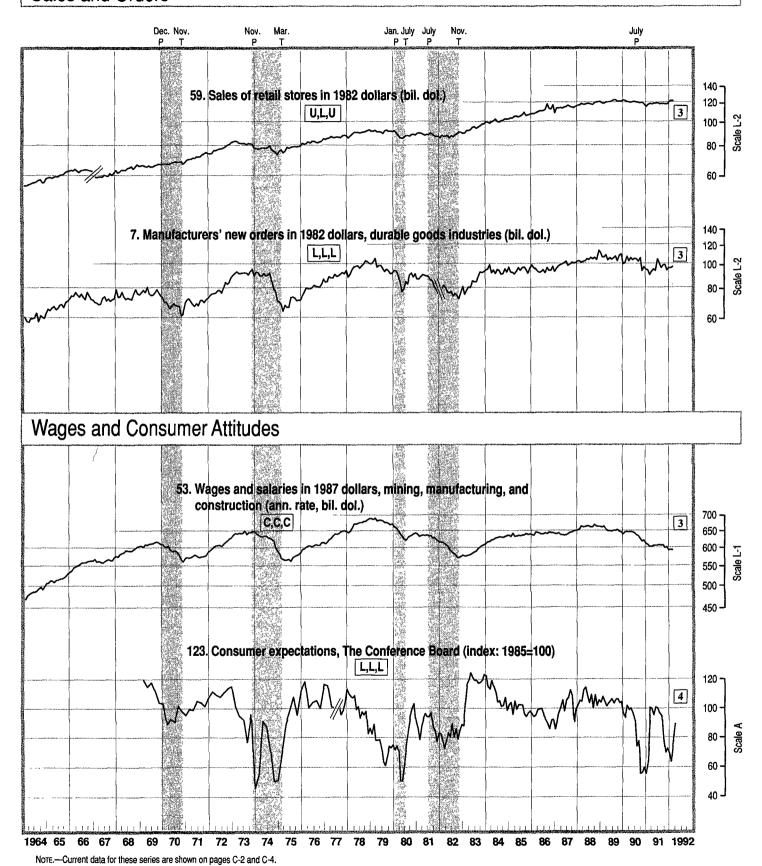
Employment and Unemployment



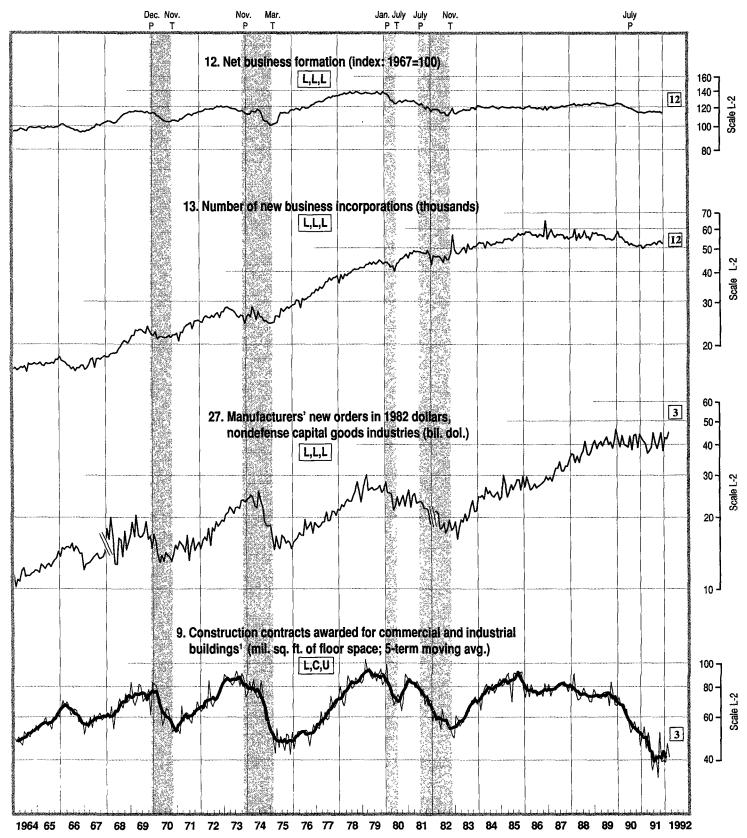
Output, Production, and Capacity Utilization



Sales and Orders

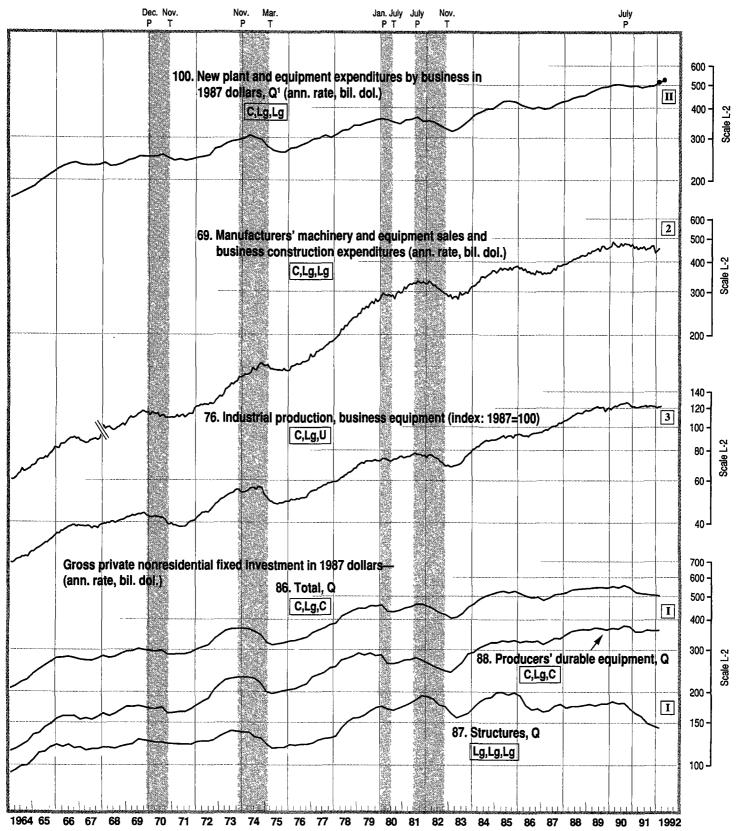


Fixed Capital Investment



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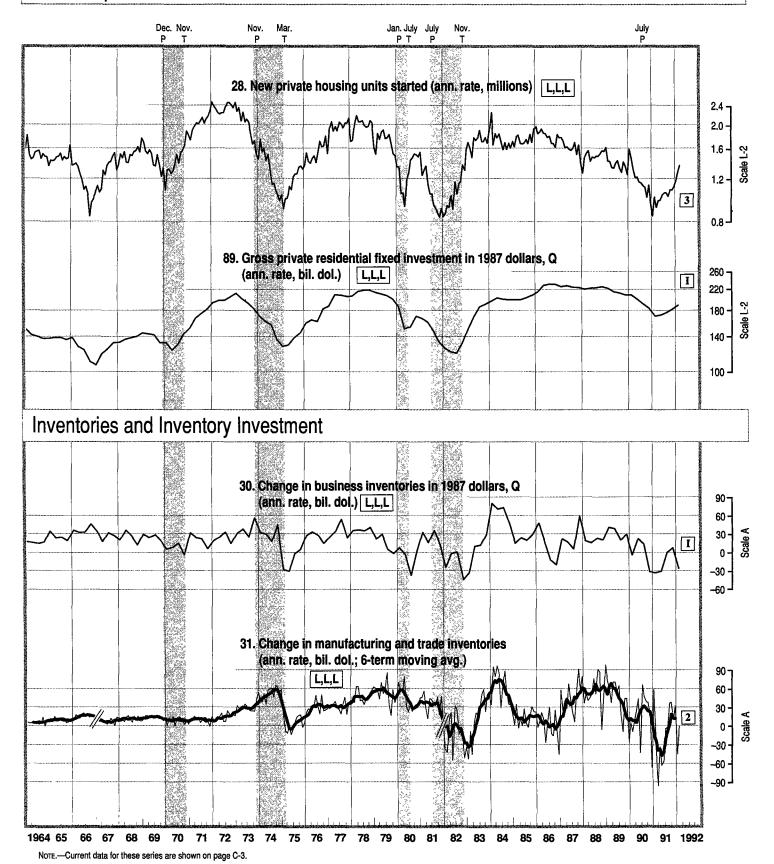
Fixed Capital Investment—Continued



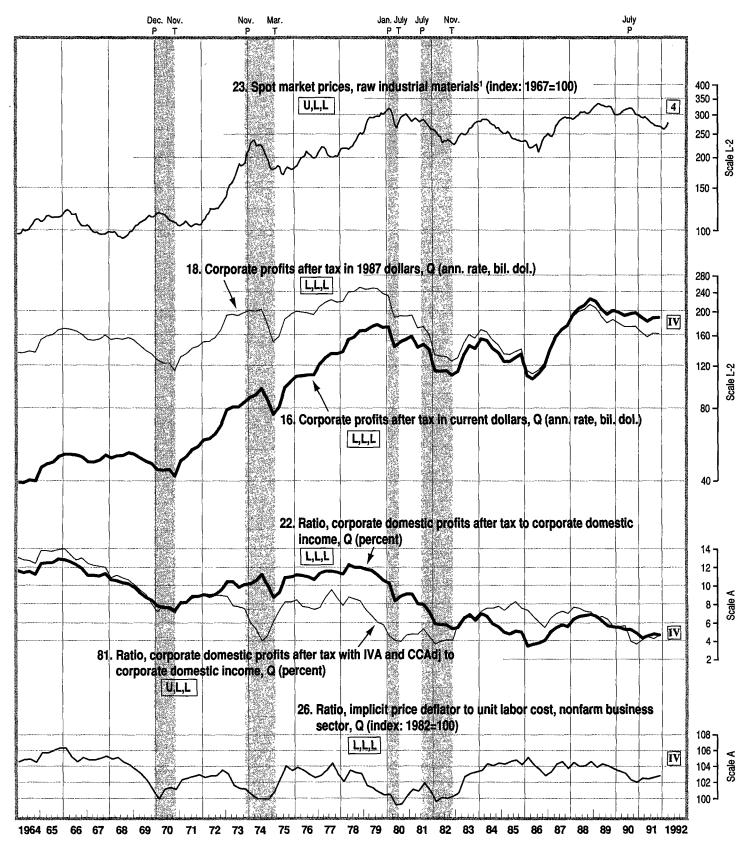
1. Dotted line represents anticipated expenditures.

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

Fixed Capital Investment—Continued



Prices and Profits

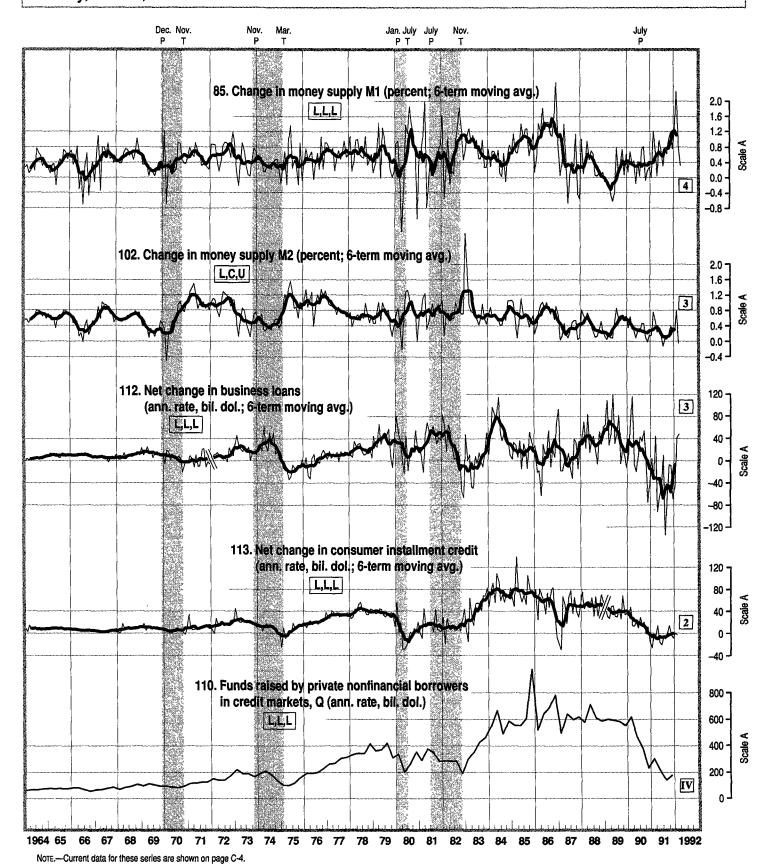


IVA Inventory valuation adjustment. CCAdj Capital consumption adjustment.

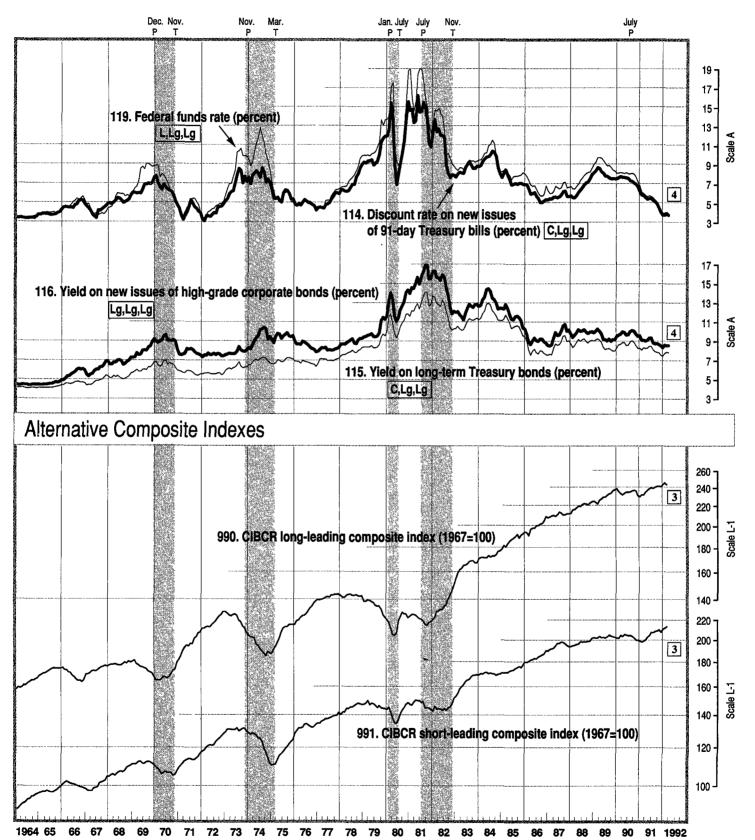
1. From June 1981 forward, this is a copyrighted series used by permission; it may not be reproduced without written permission from Commodity Research Bureau, Inc.

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

Money, Credit, and Interest Rates



Money, Credit, and Interest Rates-Continued

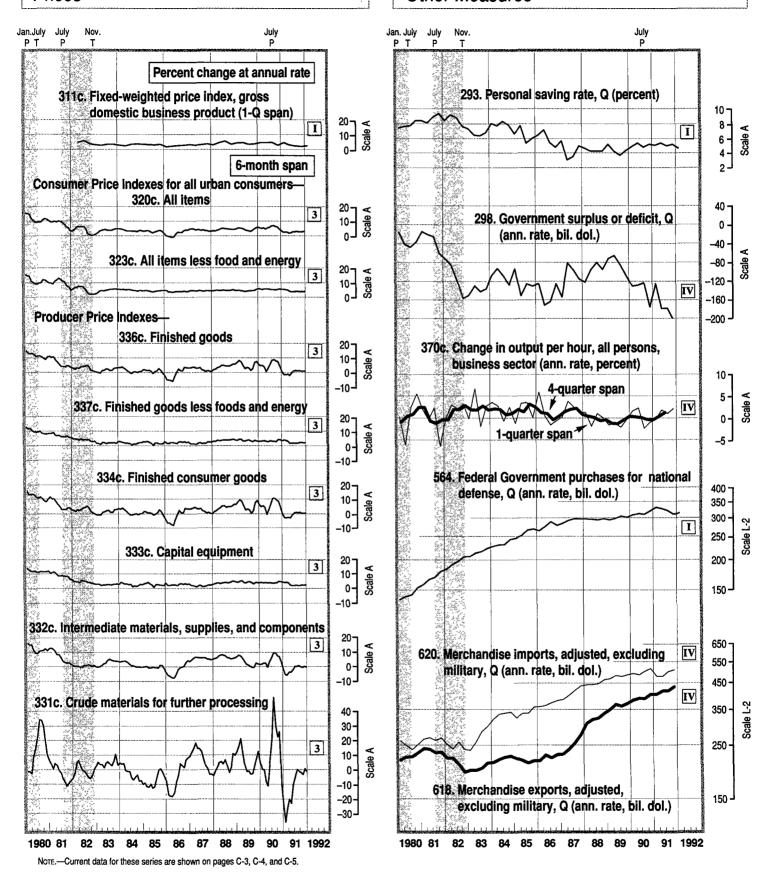


CIBCR Center for International Business Cycle Research (Columbia University). Note.—Current data for these series are shown on page C-5.

OTHER IMPORTANT ECONOMIC MEASURES

Prices

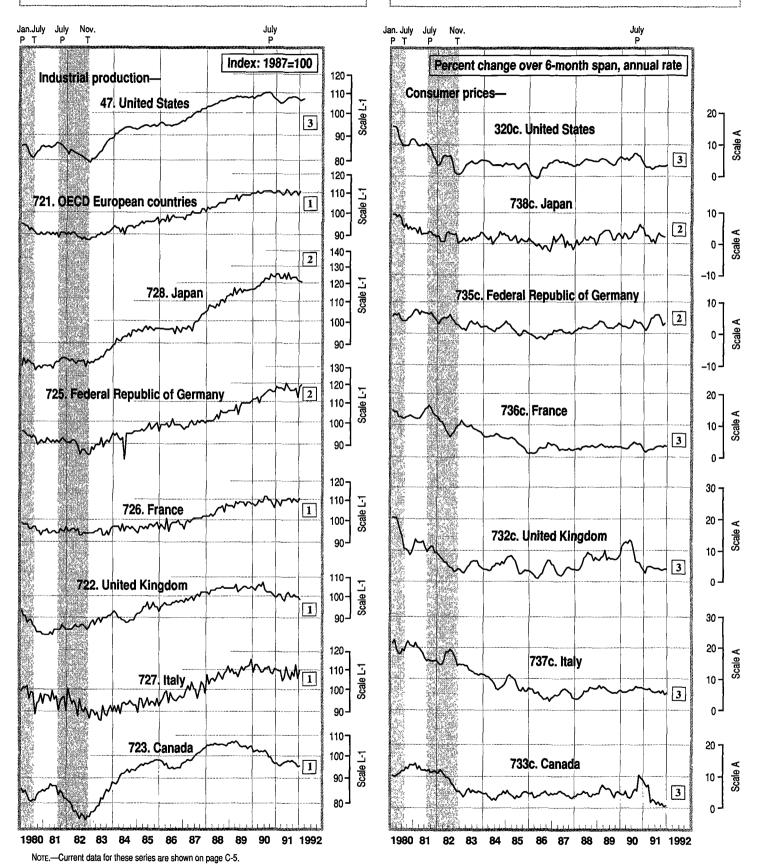
Other Measures



OTHER IMPORTANT ECONOMIC MEASURES

International Industrial Production

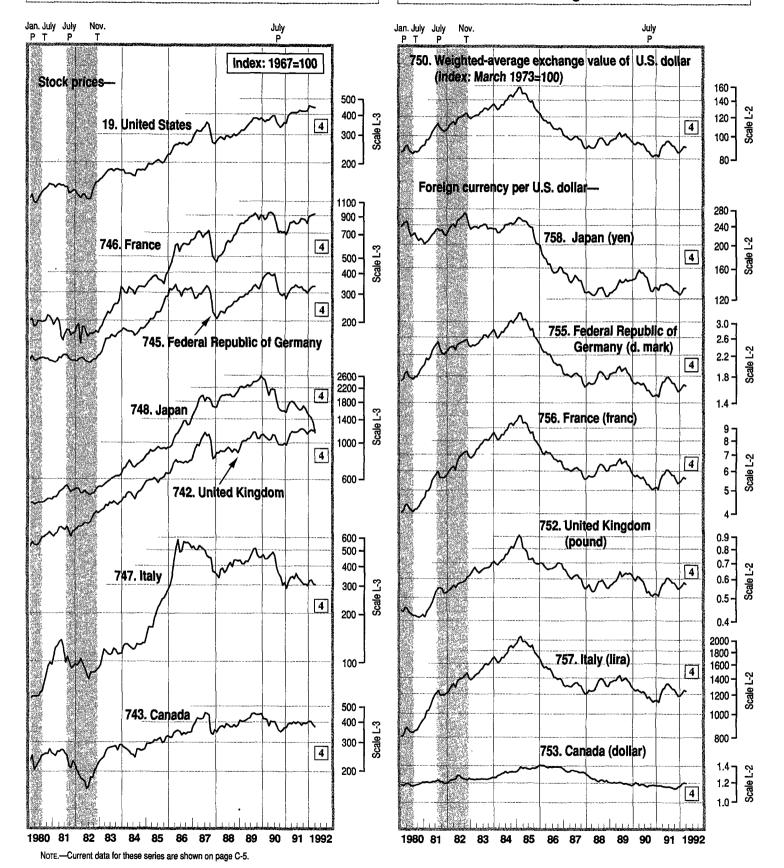
International Consumer Prices



OTHER IMPORTANT ECONOMIC MEASURES

International Stock Prices

International Exchange Rates



Business Cycle Expansions and Contractions

Busine	ess cycle reference dates		Duration i	n months	
Trough	Peak	Contraction (trough from	Expansion (trough to peak)	Cyc	ele Peak from
		previous peak)	(Ilough to peak)	previous trough	previous peak
December 1854			30		
December 1858	October 1860	18	22	48	40
lune 1861		8	46	30	54
December 1867	June 1869	32	18	78	50
December 1870	October 1873	18	34	36	52
March 1879		65	36	99	101
May 1885	March 1887	38	22	74	60
April 1888	July 1890	13	27	35	40
May 1891	January 1893	10	20	37	30
June 1894	December 1895	17	18	37	35
June 1897		18	24	36	42
December 1900	September 1902	18	21	42	39
August 1904	May 1907	23	33	[44	56
June 1908		13	19	46	32
January 1912	January 1913	24	12	43	36
December 1914		23	44	35	67
March 1919		7	10	51	17
July 1921	May 1923	18	22	28	40
July 1924	October 1926	14	27	36	41
November 1927	August 1929	13	21	40	34
March 1933	<u>M</u> ay 1937	43	50	64	93
June 1938		13	80	63	93
October 1945		8	37	88	45
October_1949	July 1953	11	45	48	56
May 1954	August 1957	10	39	55	49
April 1958	April 1960	8	24	47	32
February 1961	December 1969	10	106	34	116
November 1970		11	36	117	47
March 1975	January 1980	16	58	52	74
July 1980	July 1981	6	12	64	18
November 1982	July 1990	16	92	28	108
Average, all cycles:		10	¹ 35		50
1004-1990 (30 Cycles)		18		51	53 2 49
		22	27	48	
1919-1945 (6 CYCIES)		18 11	35 3 50	53 56	53 3 61
		}	- 50]	- 01
Average, peacetime cycles: 1854–1990 (25 cycles)		19	429	46	48
		22	24	46	5 4 7
		20	26	46	45
1045_1990 /6 cycles)		11	643	46	653
1040-1330 (0 Cycles)			- 40	40	- 33

^{1 31} cycles. 2 15 cycles 3 9 cycles 4 26 cycles 5 13 cycles

^{6 7} cycles

NOTE — Figures printed in bold italic are the wartime expansions (Civil War, World Wars 1 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., 1050 Massachusetts Avenue, Cambridge, MA 02138

Specific Peak and Trough Dates for Selected Indicators

			<u></u>	Specific peak dates	corresponding to refe	erence peaks in-		
Series no	Series title	July 1981	Jan 1980	Nov 1973	Dec 1969	Apr 1960	Aug 1957	July 1953
1 5 8 32 20 99 19 106 83 910 940	LEADING INDICATORS Average weekly hours, mfg Average weekly hours, mfg Average weekly ninal claims (inverted) Mfrs' new orders in 1982 dollars, consumer goods and materials Vendor performance, slower delivenes diffusion index Contracts and orders for plant and equipment in 1982 dollars Building permits, new private housing units Change in mfrs' unfilled orders in 1982 dollars, durable goods (smoothed ¹) Change in sensitive materials prices (smoothed ¹) Index of stock prices, 500 common stocks Money supply M2 in 1982 dollars Index of consumer expectations Composite index of 11 leading indicators Ratio, coincident index to lagging index	12/80 (-7) 7/81 (0) 10/80 (-9) 4/81 (-3) 9/80 (-10) 1/81 (-6) 12/80 (-7) 11/80 (-8) NST (-2) 5/81 (-2) 10/80 (-9)	3/79 (-10) 9/78 [-16] 12/78 [-13) 4/79 (-9) 3/79 (-10) 6/78 [-19] 12/78 [-19] 12/78 [-24] 11/76 [-24] 11/76 [-38] 10/78 [-21]	4/73 (-7) 2/73 (-9) 3/73 (-8) 11/73 (0) 10/73 (-1) 12/72 (-11) 5/73 (-6) 1/74 (+2) 1/73 (-10) 8/72 (-15) 3/73 (-8) 12/72 (-11)	10/68 (-14) 1/69 (-11) 11/68 (-13) 8/69 (-4) 4/69 (-8) 2/69 (-10) 5/69 (-10) 12/68 (-12) 1/69 (-11) 2/69 (-8) 11/68 (-13)	5/59 (-11) 4/59 (-12) 3/59 (-13) 2/59 (-14) 3/59 (-13) 1/58 (-17) 4/59 (-12) 1/58 (-17) 1/58 (-17) 2/60 (-9) NST 2/60 (-2) 6/59 (-10) 4/59 (-12)	11/55 (-21) 9/55 (-23) 7/55 (-25) 4/55 (-26) 11/56 (-9) 2/55 (-30) 1/56 (-19) 1/56 (-19) 1/56 (-19) 1/56 (-9) 1/55 (-9) 1/55 (-20) 5/55 (-27)	4/53 (-3) 9/52 (-10) 4/53 (-3) 7/52 (-12) 2/53 (-5) 11/52 (-8) 5/51 (-26) 1/53 (-6) NST (-5) 2/53 (-5) 10/52 (-9)
41 51 47 57 920	COINCIDENT INDICATORS Employees on nonagricultural payrolls Personal income less transfer payments in 1987 dollars Index of industrial production Mfg and trade sales in 1982 dollars Composite index of 4 coincident indicators	7/81 (0) 8/81 (+1) 7/81 (0) 1/81 (-6) 7/81 (0)	3/80 (+2) 1/80 (0) 3/80 (+2) 3/79 (-10) 1/80 (0)	10/74 (+11) 11/73 (0) 11/73 (0) 11/73 (0) 11/73 (0)	3/70 (+3) NST 10/69 (-2) 10/69 (-2) 10/69 (-2)	4/60 (0) 5/60 (+1) 1/60 (-3) 1/60 (-3) 1/60 (-3)	3/57 (-5) 8/57 (0) 3/57 (-5) 2/57 (-6) 2/57 (-6)	6/53 (-1) 10/53 (+3) 7/53 (0) 4/53 (-3) 7/53 (0)
91 77 62 109 101 95 120 930	LAGGING INDICATORS Average duration of unemployment (inverted) Patio, mtg and trade inventiones to sales in 1982 dollars Change in index of labor cost per unit of output, mtg (smoothed ¹)	12/81 (+5) 10/82 (+15) 1/82 (+6) 8/81 (+1) 9/82 (+14) NST 9/81 (+2) 9/81 (+2)	7/79 (-6) 6/80 (+5) 6/80 (+5) 4/80 (+3) 3/80 (+2) 6/79 (-7) 6/80 (+5) 4/80 (+3)	9/73 (-2) 3/75 (+16) 3/75 (+16) 9/74 (+10) 9/74 (+10) 4/74 (+5) 10/74 (+11) 12/74 (+13)	10/69 (-2) 11/70 (+11) 1/70 (+1) 2/70 (+2) 8/70 (+8) NST 4/70 (+4) 3/70 (+3)	6/60 (+2) 1/61 (+9) 2/61 (+10) 7/60 (+3) NST 12/60 (+8) 10/59 (-6) 7/60 (+3)	9/57 (+1) 4/58 (+8) 3/58 (+7) 12/57 (+4) 9/57 (+1) 1/58 (+5) 3/57 (-5) 12/57 (+4)	9/53 (+2) 12/53 (+5) 1/54 (+6) 2/54 (+7) 6/53 (-1) 4/54 (+9) n a 12/53 (45)
		<u> </u>		Specific trough dates				
		Nov 1982	July 1980	Mar. 1975	Nov 1970	Feb 1961	Apr 1958	May 1954
1 5 8 32 20 29 92 99 19 106 83 910 940	LEADING INDICATORS Average weekly hours, mfg. Average weekly initial claims (inverted) Mfrs' new orders in 1982 dollars, consumer goods and materials Vendor performance, slower deliveries diffusion index Contracts and orders for plant and equipment in 1982 dollars Building permits, new private housing units Change in mfrs' unfilled orders in 1982 dollars, durable goods (smoothed ¹) Index of stock prices, 500 common stocks Money supply M2 in 1982 dollars Index of stocks materials prices (smoothed ¹) Index of storsumer expectations Composite index of 11 leading indicators Ratio, coincident index to lagging index	10/82 (-1) 9/82 (-2) 11/82 (0) 3/82 (-8) 2/83 (+3) 10/81 (-13) 9/82 (-2) 4/82 (-7) 7/82 (-4) NST 3/82 (-8) 1/82 (-10) 1/82 (-10)	7/80 (0) 5/80 (-2) 5/80 (-2) 5/80 (-2) 5/80 (-2) 4/80 (-3) 6/80 (-1) 7/80 (0) NST 5/80 (-2) 3/80 (-4) 5/80 (-2)	3/75 (0) 3/75 (0) 3/75 (0) 2/75 (-1) 12/75 (+9) 3/75 (0) 4/75 (-2) 12/74 (-3) 1/75 (-2) 2/75 (-1) 2/75 (-1) 3/75 (0)	9/70 (-2) 10/70 (-1) 11/70 (0) 12/70 (+1) 10/70 (-10) 8/70 (-3) 9/70 (-3) 9/70 (-5) 4/70 (-7) 5/70 (-6) 10/70 (-1) 11/70 (0)	12/60 (-2) 2/61 (0) 2/61 (-11) 3/60 (-11) 3/61 (+1) 12/60 (-2) 5/60 (-9) 1/61 (-1) 10/60 (-4) NST 11/60 (-3) 4/60 (-10) 2/61 (0)	4/58 (0) 4/58 (0) 2/58 (-2) 12/57 (-4) 3/58 (-1) 2/58 (-2) 1/58 (-3) 1/58 (-3) 1/58 (-3) 1/58 (-3) 1/58 (-3) 1/58 (-3) 1/58 (-3)	4/54 (-1) 9/54 (+4) 10/53 (-7) 11/53 (-8) 9/53 (-8) 12/53 (-8) 15/54 (-4) 9/53 (-8) NST 11/53 (-6) 11/53 (-6) 12/53 (-5)
41 51 47 57 920	COINCIDENT INDICATORS Employees on nonagricultural payrolls	12/82 (+1) 11/82 (0) 12/82 (+1) 10/82 (-1) 12/82 (+1)	7/80 (0) 7/80 (0) 7/80 (0) 6/80 (-1) 7/80 (0)	4/75 (+1) 2/75 (-1) 3/75 (0) 3/75 (0) 3/75 (0)	11/70 (0) NST 11/70 (0) 11/70 (0) 11/70 (0)	2/61 (0) 12/60 (-2) 2/61 (0) 1/61 (-1) 2/61 (0)	5/58 (+1) 4/58 (0) 4/58 (0) 4/58 (0) 4/58 (0)	8/54 (+3) 4/54 (-1) 4/54 (-1) 12/53 (-5) 8/54 (+3)
91 77 62 109 101 95 120 930	Average duration of unemployment (inverted) Rabo, infig and trade inventiones to sales in 1982 dollars Change in index of labor cost per unit of output, mfg (smoothed ¹) Average prime rate charged by banks Commercial and industrial loans outstanding in 1982 dollars Rabo, consumer installment credit to personal income Change in Consumer Price Index for services (smoothed ¹) Composite index of 7 lagging indicators	7/83 (+8) 1/84 (+14) 9/83 (+10) 7/83 (+8) 10/83 (+11) 11/82 (0) 1/83 (+2) 6/83 (+7)	1/81 (+6) 1/81 (+6) 2/81 (+7) 8/80 (+1) 3/81 (+8) NST 10/80 (+3) 10/80 (+3)	1/76 (+10) 11/78 (+44) 11/75 (+8) 4/77 (+25) 9/76 (+18) 2/76 (+11) 8/75 (+5) 6/76 (+15)	6/72 (+19) 2/73 (+27) 11/71 (+12) 3/72 (+16) 2/72 (+15) NST 2/73 (+27) 2/72 (+15)	7/61 (+5) 4/62 (+14) 9/61 (+7) 11/65 (+57) NST 11/61 (+9) 7/61 (+5) 8/61 (+6)	10/58 (+6) 5/59 (+13) 11/58 (+7) 8/58 (+4) 11/58 (+7) 12/58 (+8) 8/58 (+4)	5/55 (+12) 4/55 (+11) 4/55 (+11) 7/55 (+14) 8/54 (+3) 11/54 (+6) n a 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.

NST. No specific turn. 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

- Average weekly hours of production or nonsupervisory workers, manufacturing (M).— Source 3 (1, 2, 9)
- 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 (1,2,9)
- Manufacturers' new orders in 1982 dollars, durable goods industries (M).—Sources 1, 2, and 3 (2, 15)
- Manufacturers' new orders in 1982 dollars, consumer goods and materials industries (M).—Sources 1, 2, and 3 (1, 2, 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)
- 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)
- 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 (4, 19)
- 18. Corporate profits after tax in 1987 dollars (Q) -- Source 1 (4, 19)
- Index of stock prices, 500 common stocks (M).—Standard & Poor's Corporation (1,5,10,24)
- 20. Contracts and orders for plant and equipment in 1982 dollars (M).—Sources 1, 2, and McGraw-Hill Information Systems Company (1, 2, 9)
- 21. Average weekly overtime hours of production or nonsupervisory workers, manufacturing (M).—Source 3 (2, 13)
- Ratio, corporate domestic profits after tax to total corporate domestic income (Q).— Source 1 (4, 19)
- 23. Index of spot market prices, raw industrial materials (M) —Sources 1, 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)
- Ratio, implicit price deflator to unit labor cost, all persons, nonfarm business sector (Q).—Sources 1 and 3 (4, 19)
- Manufacturers' new orders in 1982 dollars, nondefense capital goods industries (M) Sources 1, 2, and 3 (2, 16)
- 28. New private housing units started (M) —Source 2 (3, 18)
- Index of new private housing units authorized by local building permits (M).—Sources 1 and 2 (1, 3, 10)
- 30. Change in business inventories in 1987 dollars (Q) -Source 1 (3, 18)
- 31. Change in manufacturing and trade inventories (M).—Sources 1 and 2 (3, 18)
- Vendor performance, slower deliveries diffusion index (M).—National Association of Purchasing Management and Purchasing Management Association of Chicago, seasonal adjustment by U.S. Department of Commerce, Office of the Chief Economist (1, 2, 9)
- 35. Corporate net cash flow in 1987 dollars (Q) -Source 1 (4)
- 37. Number of persons unemployed (M).—Source 3 (2)
- 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 (1, 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) —Source 1 and 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 (1, 2, 5, 11, 23)
- 48. Employee hours in nonagricultural establishments (M) —Source 3 (2, 13)
- 49. Value of domestic goods output in 1987 dollars (Q).—Source 1 (2)
- 50. Gross national product in 1987 dollars (Q).—Source 1 (2)
- 51. Personal income less transfer payments in 1987 dollars (M).—Source 1 (1, 4, 11)
- 52. Personal income in 1987 dollars (M).—Source 1 (4)
- Wages and salaries in 1987 dollars, mining, manufacturing, and construction (M) Sources 1 and 3 (4, 15)
- 55. Gross domestic product in 1987 dollars (Q).—Source 1 (2 14)
- 57. Manufacturing and trade sales in 1982 dollars (M) —Sources 1 and 2 (1,2,11)
- 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.)
- 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 (2)
- Change in index of labor cost per unit of output, manufacturing, smoothed (M).—Sources
 1 and 4 (1.4.12)
- 63. Index of unit labor cost, all persons, business sector (Q).—Source 3 (4)
- 66. Consumer installment credit outstanding (EOM).—Source 4 (5)
- Manufacturers' machinery and equipment sales and business construction expenditures (M) —Sources 1 and 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 (5)
- 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, 14)
- 76. Index of industrial production, business equipment (M) —Source 4 (3, 17)
- Ratio, manufacturing and trade inventories to sales in 1982 dollars (M).—Sources 1 and 2 (1,3,12)
- 81. Ratio, corporate domestic profits after tax with inventory valuation and capital consumption adjustments to total corporate domestic income (Q) —Source 1 (4, 19)
- 82. Capacity utilization rate, manufacturing (M).-Source 4 (2, 14)
- 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.) (1.4.10)
- 85. Change in money supply M1 (M).--Sources 1 and 4 (4, 20)
- 86. Gross private nonresidential fixed investment in 1987 dollars (Q).—Source 1 (3, 17)
- 87. Gross private nonresidential fixed investment in 1987 dollars, structures (Q).—Source 1 (3, 17)
- Gross private nonresidential fixed investment in 1987 dollars, producers' durable equipment (Q).—Source 1 (3, 17)
- 89. Gross private residential fixed investment in 1987 dollars (Q) -- Source 1 (3, 18)
- 90. Ratio, civilian employment to population of working age (M).—Source 3 (2, 13)
- 91. Average duration of unemployment in weeks (M) —Source 3 (1, 2, 12)
- Change in manufacturers' unfilled orders in 1982 dollars, durable goods industries, smoothed (M) —Sources 1, 2, and 3 (1,2,10)
- 93. Free reserves (M).—Sources 1 and 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 (1.5.12)
- Backlog of capital appropriations, 1,000 manufacturing corporations (EOQ) —The Conference Board (2)
- Index of producer prices for sensitive crude and intermediate materials (M) —Sources 1 and 3 (3)
- Change in sensitive materials prices, smoothed (M) —Sources 1, 3, and Commodity Research Bureau, Inc (1, 3, 10)

- 100. New plant and equipment expenditures by business in 1987 dollars (Q).—Source 2 (2, 17)
- 101. Commercial and industrial loans outstanding in 1982 dollars (M).—Sources 1, 3, 4, and The Federal Reserve Bank of New York (1, 5, 12)
- 102. Change in money supply M2 (M).—Sources 1 and 4 (4, 20)
- 105. Money supply M1 in 1982 dollars (M).—Sources 1, 3, and 4 (4)
- 106. Money supply M2 in 1982 dollars (M).—Sources 1, 3, and 4 (1, 4, 10)
- 107. Ratio, gross domestic 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 (1,5, 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)
- 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).—Sources 1 and 4 (4, 20)
- 114. Discount rate on new issues of 91-day Treasury bills (M).—Source 4 (5, 21)
- 115. Yield on long-term Treasury bonds (M).—U.S. Department of the Treasury (5, 21)
- 116. Yield on new issues of high-grade corporate bonds (M).—Citibank and U.S Department of the Treasury (5, 21)
- 117. Yield on municipal bonds, 20-bond average (M) —The Bond Buyer (5)
- Secondary market yields on FHA mortgages (M).—U.S. Department of Housing and Urban Development. Federal Housing Administration (5)
- 119. Federal funds rate (M) -Source 4 (5, 21)
- 120. Change in Consumer Price Index for services, smoothed (M).—Sources 1 and 2 (1, 3, 12)
- 122. Index of consumer confidence (M) —The Conference Board (4)
- 123. Index of consumer expectations (M).—The Conference Board (4, 15)
- 124. Capacity utilization rate, total industry (M).—Source 4 (2)
- 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)
- 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, 356 industries (M).— Source 3 (2)
- CIBCR long-leading composite index (M) —Columbia University, Center for International Business Cycle Research (5, 21)
- CIBCR short-leading composite index (M) —Columbia University, Center for International Business Cycle Research (5, 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)
- 311. Fixed-weighted price index, gross domestic business product (Q).—Source 1 (3, 22)
- 320. Consumer Price Index for all urban consumers, all items (M).—Source 3 (3, 5, 22, 23)
- Consumer Price Index for all urban consumers, all items less food and energy (M).— Source 3 (3, 22)
- 331. Producer Price Index, crude materials for further processing (M).—Source 3 (3, 22)
- Producer Price Index, intermediate materials, supplies, and components (M) —Source 3 (3, 22)
- 333. Producer Price Index, capital equipment (M) —Source 3 (3, 22)
- 334. Producer Price Index, finished consumer goods (M) —Source 3 (3, 22)
- 336. Producer Price Index, finished goods (M).—Source 3 (3, 22)
- 337. Producer Price Index, finished goods less foods and energy (M).—Source 3 (3, 22)
- Index of average hourly compensation, all employees, nonfarm business sector (Q) Source 3 (4)
- 346. Index of real average hourly compensation, all employees, nonfarm business sector (Q) —Source 3 (4)
- 358. Index of output per hour, all persons, nonfarm business sector (Q).—Source 3 (4)
- 370. Index of output per hour, all persons, business sector (Q).—Source 3 (4, 22)

- 441. Civilian labor force (M).—Source 3 (2)
- 442. Civilian employment (M).—Source 3 (2)
- 451. Civilian labor force participation rate, males 20 years and over (M).—Source 3 (2)
- 452. Civilian labor force participation rate, females 20 years and over (M).—Source 3 (2)
- 453. Civilian labor force participation rate, both sexes 16-19 years of age (M)-Source 3 (2)
- 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)
- 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, national defense (Q).—Source 1 (5, 22)
- 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)
- Organisation for Economic Co-operation and Development, European countries, index of industrial production (M).—Organisation for Economic Co-operation and Development (Pans) (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)
- 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)
- 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)
- 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)
- 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) —Sources 1 and 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

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Note.—This section of the Survey is prepared by the Business Statistics Branch.

Unless otherwise stated in footnotes below, data	An	nual						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			•	I. GENE	RAL BU	SINESS	INDICAT	ORS	-							
PERSONAL INCOME BY SOURCE †																
[Billions of dollars]				J			ļ			l						
Seasonally adjusted, at annual rates: Total personal income	4,679.8	4,834.4	4,761.2	4,781.4	4,792.0	4,825.5	4,845.8	4,833.1	4,854.2	4,872.8	4,883.0	4,877.2	4,925.6	r4,914.7	r 4,963.2	4,990.5
Wage and salary disbursements, total Commodity-producing industries, total	2,738.9 745.4 555.8	2,808.3 738.7 556.5	2,767.6 734.1 549.1	2,773.4 728.5 545.8	2,779.4 731.0 548.8	2,799.5 735.8 552.4	2,822.8 738.7 555.8	2,808.1 739.4 557.7	2,823.6 743.3 560.7	2,835.9 744.4 561.6	2,830.2 747.5 566.4	2,835.0 739.4 561.0	2,852.7 745.2 565.6	r 2,836.7 r 734.7 r 555.9	72,870.3 7738.2 7561.0	2,882.0 741.4 562.2
Manufacturing Distributive industries	634.6	641.2	635.4	636.1	635.8	641.7	648.3	639.3	644.3	648.3	640.5	644.6	646.4	r 640.4	r 651.7	653.0
Service industries Government	845.0 514.0	887.8 540.6	862.1 536.1	870.8 538.1	873.7 538.8	881.5 540.5	893.7 542.0	886.3 543.1	894.5 541.5	902.3 540.8	899.8 542.3	906.7 544.2	915.1 546.0	7911.3 7550.4	7927.3 7553.1	933.4 554.3
Other labor income Proprietors' income: ‡	274.0	290.6	284.2	285.8	287.2	288.6	289.9	291.3	292.7	294.2	295.6	297.0	298.3	299.7	301.1	302.4
FarmNonfarm	42.5 330.7	35.1 344.5	29.2 332.2	41.8 332.2	39.4 336.2	43.4 340.8	36.0 344.3	32.0 347.9	31.0 350.3	33.0 353.3	42.4 353.9	27.1 355.3	38.9 358.4	′26.9 ′361.3	736.3 7366.7	47.7 370.4
Rental income of persons with capital consumption adjustment	-12.9	-12.7	-12.3	-11.3	-11.7	-11.6	11.6	-12.9	-14.2	-15.5	-19.1	-11.5	-8.6	r-9.8	′-11.3	-11.1
Personal dividend income Personal interest income	124.8 721.3	128.5 718.6	129.5 729.8	127.8 726.0	127.2 723.8	127.5 721.7	127.6 719.8	128.3 718.1	128.6 716.6	129.1 715.5	129.3 710.5	129.5 705.8	129.4 700.9	129.1 *693.8	129.4 687.7	129.7 682.7
Transfer payments to persons Less: Personal contributions for social insurance	684.9 224.3	759.5 238.0	736.2 235.3	741.5 235.8	746.5 235.9	752.6 237.0	755.5 238.3	758.7 238.3	765.0 239.4	767.4 240.2	780.1 239.8	779.1 240.1	797.1 241.4	*820.2 *243.3	7828.6 7245.6	833.0 246.4
Total nonfarm income	4,614.5	4,775.5	4,708.7	4,716.2	4,729.1	4,758.5	4,786.2	4,777.3	4,799.3	4,815.7	4,816.6	4,825.8	4,862.5	4,863.6	4,902.6	4,918.4
DISPOSITION OF PERSONAL INCOME †																
[Billions of dollars, unless otherwise indicated]				ŀ		- 1			l	i						
Seasonally adjusted, at annual rates: Total personal income	4,679.8	4,834.4	4,761.2	4,781.4	4,792.0	4,825.5	4,845.8	4,833.1	4,854.2	4,872.8	4,883.0	4,877.2	4,925.6	r4,914.7	4,963.2	4,990.5
Less: Personal tax and nontax payments Equals: Disposable personal income	621.0 4.058.8	616.1 4,218.4	616.1 4,145.1	613.4 4,168.0	612.7 4,179.3	613.2 4,212.3	615.0 4,230.8	612.0 4,221.1	615.2 4,239.0	618.1 4,254.7	618.1 4,264.9	617.5 4,259.7	619.7 4,305.9	7618.2 74,296.5	7 626.3 7 4,336.9	606.6 4,383.9
Less: Personal outlays	3,853.1	3,999.1	3,938.0	3,974.0 3,863.3	3,952.3 3,841.7	3,983.7 3,873.5	4,000.1 3,890.2	4,017.6 3,908.0	4,020.0 3,910.7	4,039.5 3,930.6	4,032.1 3,922.7	4,061.8 3,952.1	4,066.5 3,956.2	74,110.0 73,999.9	74,140.0 74,029.9	4,150.7 4,040.7
Personal consumption expenditures Durable goods	3,742.6 465.9	3,889.1 445.2	3,827.5 438.2	458.6	434.0	437.3	448.6	453.8	449.0	456.0	449.4	447.1	445.5	463.5	471.3	470.0
Nondurable goods	1,217.7 2,059.0	1,251.9 2,191.9	1,249.5 2,139.8	1,249.9 2,154.7	1,243.8 2.163.9	1,259.1 2,177.1	1,255.8 2,185.9	1,262.0 2,192.2	1,258.5 2,203.3	1,251.7 2,222.8	1,248.2 2,225.0	1,254.2 2,250.9	1,250.9 2,259.8	71,267.4 72,269.0	71,275.8 72,282.8	1,269.2 2,301.5
Interest paid by persons	107.5	106.8	107.4	107.6	107.5	107.1	106.8	106.6	106.4	106.0	105.9	106.2	106.8	106.5	106.5	106.5
Personal transfer payments to rest of the world (net)	2.9	3.2	3.1	3.1	3.1	3.1	3.1	2.9	2.9	2.9	3.5	3.5	3.5	3.5	3.5	3.5
Equals: personal saving	205.8	219.3	207.0	194.1	227.1	228.6	230.7	203.5	218.9	215.2	232.8	197.9	239.4	r 186.6	r 197.0	233.2
Personal saving as percentage of disposable personal income §	5.1	5.2	5.1	5.0	5.2	5.4	5.2	5.1	5.0	5.2	5.1	5.2	4.9	r4.8	4.7	
Disposable personal income in constant (1987) dollars	3,538.3	3,534.9	3,506.8	3,528.1	3,524.1	3,538.5	3,549.7	3,535.5	3,541.4	3,543.1	3,545.1	3,532.8	3,564.5	r 3,554.0	r3,572.4	3,594.6
Personal consumption expenditures in constant (1987) dollars	3,262.6	3,258.9	3,238.1	3,270.1	3,239.4	3,253.9	3,263.9	3,273.3	3,267.1	3,273.2	3,260.6	3,277.7	3,275.0	3,308.6	3,319.5	3,313.2
Durable goodsNondurable goods	438.9 1,050.8	412.5 1.043.0	407.6 1,045.6	427.0 1,050.8	403.2 1.041.5	406.2 1.051.2	417.4 1.045.9	419.6 1.052.5	415.0 1,046.2	420.1 1,039.6	413.1 1,036.8	411.1 1,037.3	412.2 1,033.4	7427.3 71,049.3	7432.3 71,052.0	430.2 1,041.4
ServicesImplicit price deflator for personal consumption	1,773.0	1,803.4	1,784.9	1,792.4	1,794.7	1,796.5	1,800.6	1,801.2	1,805.9	1,813.4	1,810.7	1,829.3	1,829.4	1,832.0	1,835.2	1,841.7
expenditures, 1987=100	114.7	119.3	118.2	118.1	118.6	119.0	119.2	119.4	119.7	120.1	120.3	120.6	120.8	120.9	r 121.4	122.0
INDUSTRIAL PRODUCTION ◊																
[1987=100]				l		-		İ	ļ	Į		1			1	
Not seasonally adjusted: Total index	109.2	107.0	106.1	104.2	104.4	104.7	109.2	106.6	110.4	111.4	109.8	107.5	r 105.2	r 104.7	r 107.3	P 106.7
By industry groups: Mining	102.6	101.1	105.0	102.3	100.2	98.5	100.9	98.0	100.6	100.6	101.4	102.0	100.0	r 98.9	100.3	₽98.6
Utilities	108.0	109.2 107.4	120.7	109.6 103.9	100.0 105.2	97.9 105.8	106.8 110.3	110.4 107.1	109.7 111.4	105.7 113.0	97.5 111.7	105.6 108.2	7117.2 104.6	7 127.2 7 103.3	7123.1 7106.5	P 112.6 P 106.9
Manufacturing	109.9 111.6	107.1	104.9 106.1	104.9	106.1	106.4	109.6	105.1	108.8	110.8	110.4	107.8	104.4	r 103.0	r 106.6	P 107.1
Nondurable	107.8	107.9	103.4	102.5	104.1	105.2	111.1	109.7	114.8	115.7	113.5	108.7	r 104.9	103.7	r 106.5	P 106.6
Seasonally adjusted: Total index	109.2	107.1	105.7	105.0	105.5	106.4	107.3	108.1	108.0	108.4	108.4	108.1	107.4	r 106.4	106.9	P 107.2
By market groups: Products, total	110.1	108.1	106.9	106.5	106.9	107.7	108.6	108.7	108.5	108.9	109.0	109.0	r 108.4	r 107.4	r 107.9	P 108.3
Final products	110.8	109.6 107.5	108.3 104.7	108.1 104.7	108.7 105.5	109.3 106.6	110.1 108.0	110.2 108.3	109.8 108.4	110.4 109.4	110.6 109.7	110.6 110.0	7109.9 7109.1	7108.6 7108.0	7109.3 7108.5	P 109.6
Consumer goods	107.31	107.51	104./1	104.71	100.51	100.01	100.01	100.31	100.41	105.41	103.71	110.01	103.11	100.01	100.01	100.0

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as	Anı	nual						1991							1992	
shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			1. GEN	ERAL BI	JSINESS	S INDICA	TORS-	-Continu	ed							
INDUSTRIAL PRODUCTION ♦—Continued																
[1987=100]			l									ŀ				
Seasonally adjusted—Continued By market groups—Continued			l						İ	į						
Final products—Continued Consumer goods—Continued									ŀ							
Durable Automotive products	106.1 102.2	102.4 98.3	95.2 88.1	95.9 88.9	99.3 94.2	101.1 97.4	104.2 100.4	105.5 102.3	104.0 98.6	107.7 106.5	107.5 106.7	106.0 103.6	*104.6 *101.3	7 101.4 7 94.0	7104.6 7100.8	P 105.1 P 101.9
Autos and trucks Other durable goods	97.2 109.3	90.8 105.7	74.7 100.7	76.7 101.4	85.0 103.4	89.2 104.1	92.5 107.3	98.1 108.1	90.2 108.3	103.0 108.7	105.1	99.0	96.7 107.2	84.3	94.3	P 95.7 P 107.6
Nondurable	107.6	108.9	107.3	107.1	107.2	108.1	109.0	109.0	109.6	109.8	110.3	111.1	r 110.3	7 109.8 7 107.0	7109.6 7107.2	P 110.1 P 107.0
Foods and tobacco	105.9 95.7 113.2	106.8 93.5 115.9	105.9 90.8 114.8	105.4 90.4 114.2	105.3 90.6 115.0	106.2 92.0 113.9	106.9 93.9 114.3	106.9 94.3 115.4	107.1 94.8 117.4	107.8 95.2 117.3	107.8 96.3 117.0	108.1 96.5 117.9	7107.0 96.2 7118.0	795.0 7117.9	794.8 7118.5	P 94.5 P 119.1
Chemical products	119.6 105.9	123.4 108.0	121.0 105.2	122.2 105.5	122.7 104.4	121.8 109.0	123.3 110.0	122.1 109.4	122.6 109.5	124.8 106.7	125.6 108.5	126.4 112.0	126.8 109.3	r 126.8 r 106.7	124.6	P 125.6 P 109.0
Equipment, total	115.5	112.3	112.9	112.5	112.8	112.7	112.8	112.8	111.6	111.8	111.9	111.4	r 110.9	r 109.5	r110.4	P 110.5
Business equipment	123.0 127.2	121.6 131.5	120.6 131.6	120.3 131.2	121.3 131.5	121.7 131.8	121.9 130.9	122.5 131.1	121.3 130.3	122.2	122.3	121.8 133.4	121.4 134.0	7 119.8 134.1	121.2	P 121.4 P 135.0
Office and computing machines . Industrial	149.6 115.2 130.0	155.6 108.1 127.2	157.3 109.1 120.3	155.1 109.5 120.4	155.6 109.3 124.1	155.6 109.3 125.9	154.0 109.1 128.0	156.0 109.0 131.2	153.1 108.6 126.7	152.2 108.2 132.7	156.0 106.8 133.1	157.8 104.2 130.5	159.1 * 102.3 * 129.5	160.6 100.6 7 124.2	7 162.2 7 101.2 7 129.5	P 163.0 P 101.3 P 129.4
Transit	96.7	89.2	75.0	76.7	84.4	87.9	90.8	96.6	86.2	99.3	101.1	96.5	96.1	84.9	94.7	P 95.0
Defense and space equipment Oil and gas well drilling	97.3 109.3	91.0 94.1	94.5 108.2	93.9	92.5 105.1	91.5	91.0 103.0	90.0 97.8	89.8 86.7	89.1 80.1	89.1 79.0	88.8 78.1	788.1 75.8	786.9 71.8	786.3 73.9	P 85.8 P 76.2
Manufactured homes Intermediate products	90.6 107.7	85.4 103.3	77.3 102.6	79.3 101.3	83.1 101.2	86.6 102.7	90.8	86.5 104.0	90.3 104.4	86.2 104.3	86.3 104.1	87.0 103.9	*87.5 *103.8	r 98.3 r 103.4	7101.7 7103.6	P 103.0 P 103.9
Construction supplies Business supplies	105.2 109.4	96.1 108.3	96.4 106.8	94.0 106.4	94.9 105.6	95.8 107.5	97.4 108.5	96.9 109.0	96.7 109.7	96.5 109.7	95.4 110.1	95.9 109.4	*95.0 *110.0	95.3 * 109.0	795.3 7109.4	P 95.1 P 110.1
Materials Durable	107.8 111.8	105.5 107.1	103.9 105.5	102.6 103.3	103.4 104.9	104.5 106.2	105.4 106.7	107.0 108.2	107.2 109.1	107.5 109.3	107.4 108.8	106.6 108.6	7105.8 108.1	7 104.9 7 106.9	105.2 107.5	P 105.4 P 107.5
Nondurable Energy	106.0 102.1	106.0 102.3	103.6 101.1	102.8 101.3	103.1 101.1	103.7 102.4	104.9 103.4	108.1 104.1	107.8 103.3	108.3 103.6	109.6 103.1	107.7 102.2	107.1 *100.4	106.2 100.2	r 106.3 r 100.4	P 106.3 P 101.0
By industry groups: Mining	102.5	101.1	102.9	101.5	100.9	100.2	102.1	102.7	101.3	101.4	100.7	99.6	r98.8	r97.5	r98.1	₽97.9
Metal mining	152.8 113.4	150.2 109.3	148.0 112.8	147.6 109.9	145.7 105.9	148.0 103.4	157.0 110.2	153.0 116.0	155.5 110.8	153.1 110.1	146.5 107.9	151.5 108.4	r 154.0 107.6	7 144.8 107.3	7 153.2 7 107.9	P 153.2 P 106.2
Oil and gas extraction # Crude oil	95.5 87.5	95.8 88.4	97.2 89.0	96.4 88.4	96.6 88.7	96.0 87.6	96.9 87.6	96.4 88.3	95.7 88.7	96.0 88.8	96.0 88.9	94.1 87.4	793.0 87.5	792.0 788.1	792.4 86.0	P 92.3
Natural gasStone and earth minerals	104.6 119.3	107.8 108.5	106.4 112.0	104.9 108.0	106.3 107.0	107.5 107.5	110.1 106.4	109.0 107.8	108.8 107.0	112.5 107.3	112.4 105.9	109.1 105.8	r 105.6 r 106.4	102.8 104.1	106.2 103.6	P 104.9
Utilities Electric	108.0 110.8	108.9 112.7	104.6 107.8	106.4 109.8	105.9 109.8	111.4 116.4	111.5 117.1	110.9 116.6	110.7 115.6	109.7 113.4	109.4 112.2	111.0 112.7	107.9 - 109.9	r 106.8 r 109.3	7106.6 7109.1	P 108.8 P 111.3
Gas	97.7 109.9	95.0 107.5	92.8 106.1	93.6 105.2	91.6 105.9	92.8 106.6	90.7 107.5	89.7 108.3	92.4 108.4	95.8 108.9	98.9 109.0	104.7 108.6	r 100.5 108.1	r 97.6 r 107.2	797.0 7107.8	₽99.6 ₽107.9
Manufacturing Durable	111.6	107.1	106.1	105.0	106.0	106.7	107.3	108.1	107.8	108.4	108.2	107.8	107.1	105.8	r 106.7	P 106.8
Lumber and products Furniture and fixtures	101.1 105.9	94.1 99.1	91.5 94.9	91.2 95.4	92.7 98.3	92.5 98.5	96.7 99.4	94.8 100.5	95.3 101.3	95.2 101.2	93.8 100.5	96.4 99.9	795.2 7100.6	797.1 798.7	797.9 798.5 794.2	₽ 97.9 ₽ 100.1
Clay, glass, and stone products	105.8 108.2	95.0 99.6 98.2	98.9 99.5 98.0	94.4 94.7 92.0	94.2 94.5 91.6	95.1 96.9 94.0	95.0 96.4 92.9	95.8 101.2 99.5	95.5 102.6 100.6	94.4 102.3 100.8	94.4 102.6 102.4	92.8 103.5 105.6	793.0 7101.3 101.7	792.6 7101.9 7104.0	100.0	₽93.2 ₽99.9 ₽100.9
Iron and steel Nonferrous Fabricated metal products	109.7 106.1 105.8	101.6 100.4	101.6 99.1	98.4 97.8	98.5 98.0	101.0 99.1	101.5 99.8	103.5 100.9	105.5 101.4	104.4 101.9	102.9	100.5	7 100.8 7 101.2	798.9 799.6	799.1 7100.4	P 98.6 P 100.1
Nonelectrical machinery	126.5 111.4	123.5 110.1	124.5 108.2	123.1 108.6	123.5 109.7	123.6 110.6	123.4 111.5	123.9	123.3 111.5	123.1 111.0	123.5 109.8	122.8 110.7	7 121.9 7 110.6	121.4 110.3	7121.8 7110.8	P 122.6
Transportation equipment Motor vehicles and parts	105.5 96.8	98.8 90.8	95.5 79.4	95.0 79.8	97.2 86.2	98.2 89.8	99.7 92.5	101.3 96.7	99.0 91.6	102.2 99.5	102.4 100.4	99.7 95.9	798.0 94.6	r 93.7 r 87.1	r97.1 r93.8	P 97.4 P 94.1
Instruments	116.9 107.8	118.1 107.9	119.3 106.0	118.4 105.4	118.6 105.9	118.2 106.5	117.3 107.6	116.5 108.6	116.9 109.0	118.1 109.6	118.2 110.1	118.7 109.6	r 119.0 r 109.5	* 118.3 * 109.0	*118.8 *109.1	P 118.2 P 109.3
Nondurable	107.6 98.7	108.6 100.1	107.6 100.1	107.4 98.2	107.6 97.6	107.8 98.7	108.6 99.4	108.3 102.6	108.7 103.1	109.5 102.7	109.4 102.2	110.1 97.7	r 109.6 r 94.7	7 109.2 7 98.8	109.4 198.5	P 109.1
Textile mill products Apparel products	100.7 98.8	100.6 96.1	94.3 93.1	95.4 92.5	97.2 93.2	99.2 95.2	101.7 96.2	104.2 97.8	104.7 98.3	103.2 98.1	105.5 98.7	104.4 98.8	7102.5 799.0	7102.1 797.5	r 103.0 r 97.0	P 103.3 P 97.1
Paper and products Printing and publishing	105.4 112.0	105.0 112.1	102.2 110.9	101.3 110.4	101.3 110.7	101.3 110.6	105.3 111.2	108.1 111.9	106.5 112.3	108.0 113.3	109.0 114.4	106.1 114.2	107.0 114.5	7 104.4 7 114.6	7104.5 7113.9	P 105.3 P 114.2
Chemicals and products Petroleum products	110.1 108.3	110.9 107.6	109.1 108.8	108.2 108.5	109.0 105.7	109.2 107.5	109.6 109.6	111.5 108.3	112.3 107.3	112.6 108.6	113.5 106.0	113.0 106.7	112.6 108.6	7 112.4 7 106.3	7113.1 7106.9	P 113.3 P 107.4 P 112.7
Rubber and plastics products Leather and products	110.2 99.9	110.1 88.1	106.1 90.8	104.4 91.5	106.6 90.0	109.2 89.5	110.5 90.9	110.1 91.0	112.6 87.1	113.8 85.8	113.2 83.9	112.6 84.3	r 113.0 83.2	*113.0 *83.0	7112.4 781.0	P 81.1
BUSINESS SALES																
[Millions of dollars; constant (1982) dollar series in billions of dollars]																
Manufacturing and trade sales (unadj.), total	6,515,005	6,424,272	491,129	532,805	531,115	551,778	551,353	520,634	550,380	550,077	563,691	542,696	553,355	r 491,445	512,136	
Manufacturing and trade sales (seas. adj.), total	46,515,005	16,424,272	r 527,818	[*] 523,518	530,872	535,926	536,977	541,023	539,578	540,898	542,982	542,757	532,637	7537,166		
Manufacturing, total	1,504,650	1,459,051	233,215 117,432	228,715 114,487	234,886 119,721	238,289 121,024	239,118 122,240		241,894 124,459	242,240 124,965	245,134 126,404	245,480 126,547	235,997 119,795	236,367 121,615	241,229 124,892	
Nondurable goods industries	1,412,815 1,807,219	1,404,552 1,821,027	115,783 150,699	114,228 151,868	115,165 150,967	117,265 152,710	116,878 152,642	117,199 153,195	117,435 152,160	117,275 152,658	118,730 152,483	118,933 152,505	116,202 152,440	114,752 155,657	116,337 157,711	
Durable goods stores Nondurable goods stores	654,757 1,152,462	644,963 1,176,064	753,088 797,611	r 53,943 r 97,925	53,490 97,477	54,074 98,636	54,212 98,430	54,117 99,078	53,390 98,770	54,619 98,039	54,657 97,826	54,247 98,258	54,687 97,753	756,178 799,479	57,375 100,336	
Merchant wholesalers, total Durable goods establishments	/1,790,321 876,182	/1,739,642 834,853	r 143,904 r 68,926	142,935 69,280	145,019 68,945	144,927 68,564	145,217 69,347	147,635 70,618	145,524 69,902	146,000 71,070	145,365 70,222	144,772 69,855	144,200 69,590	7145,142 770,163	70,739	
Nondurable goods establishments	914,139	904,789	774,978	73,655	76,074	76,363	75,870	77,017	75,622	74,930	75,143		74,610			****************
Manufacturing and trade sales in constant (1982) dollars (seas. adj.), total Manufacturing			462.4 215.3	460.4 213.1	468.7 219.3	472.6 222.0	473.9 222.8	478.2 223.7	476.4 224.5							
Retail trade			123.1 124.0	123.7 123.7	123.2 126.2	124.2 126.5	124.1	124.7	123.7							
			. 154.01	140.71	. 20.21											

Unless otherwise stated in footnotes below, data	otes are as							1991							1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			1. GEN	ERAL B	USINES	S INDICA	ATORS-	-Continu	ied							
BUSINESS INVENTORIES			-													
[Millions of dollars; constant (1982) dollar series in																
billions of dollars																
(non-LIFO basis), end of period, (unadjusted), total	815,348	807,218	827,742	820,398	820,214	812,683	801,777	802,438	800,602	807,582	828,166	832,045	807,218	r 807,593	813,118	
Manufacturing and trade inventories, book value	010,040	007,210	027,742	020,000	020,214	012,000	001,777	002,400	000,002	007,302	020,100	002,040	007,210	007,000	010,110	
(non-LIFO basis), end of period, (seas. adj.), total	825,363	816,683	⁷ 827,588	819,615	816,893	811,713	807,105	806,802	806,648	809,793	813,024	813,898	816,683	r812,989	812,992	
Manufacturing, total	388,811 252,836	375,701 240,292	388,459 252,256	385,982 250,405	385,145 249,546	381,877 246,964	379,968 245,642	378,002 244,467	377,388 243,616	378,837 244,310	378,064 242,816	377,820 242,290	375,701 240,292	7373,992 7238,891	372,823 237,663	
Nondurable goods industries	135,975	135,409	136,203	135,577	135,599	134,913	134,326	133,535	133,772	134,527	135,248	135,530	135,409	135,101	135,160	
Retail trade, total	241,860 120,488	244,767 118,327	7241,082 7119,189	236,900 116,041	236,696 116,087	236,204 115,490	235,098 114,305	235,994	236,757 115,279	239,745	241,955 118,172	242,186 117,735 124,451	244,767 118,327	7242,426 7116,529 7125,897	242,431 117,569	
Nondurable goods stores Merchant wholesalers, total	121,372 194,692	126,440 196,215	r 121,893 r 198,047	120,859 196,733	120,609 195,052	120,714 193,632	120,793 192,039	121,240 192,806	121,478 192,503	122,308 191,211	123,783 193,005	193,892	126,440 196,215	125,697	124,862 197,738	
Durable goods establishments Nondurable goods establishments	127,949 66,743	127,336 68,879	7130,955 767,092	129,885 66,848	128,607 66,445	126,816 66,816	125,707 66,332	126,056 66,750	125,992 66,511	124,418 66,793	124,301 68,704	125,174 68,718	127,336 68,879	126,635 169,936	127,230 70,508	
Manufacturing and trade inventories in constant (1982) dollars, end of period (seas. adj.), total			693.9	687.7	687.2	683.6	680.8	680.7	679.6							
Manufacturing			330.8 189.7	329.4 186.5	329.6 186.8	327.5 186.5	326.2 186.2	324.7 186.7	323.7 186.5							
Merchant wholesaiers			173.3	171.8	170.8	169.7	168.3	169.2	169.4							
BUSINESS INVENTORY-SALES RATIOS																
Manufacturing and trade, total			1.57	1.57	1.54	1.51	1.50	1.49	1.49	1.50	1.50	1.50	1.53	r 1.51	1.49	
Manufacturing, total			1.67 2.15	1.69 2.19	1.64 2.08	1.60 2.04	1.59 2.01	1.57 1.99	1.56 1.96	1.56 1.96	1.54 1.92	1.54 1.91	1.59 2.01	71.58 71.96	1.55 1.90	
Materials and supplies Work in process			.60 1.01	.61 1.04	.58 .99 .52	.57 .97	.55 .96	.54 .95	.54 .93 .48	.54 .93	.53 .91	.53 .91	.55 .95 .50	.54 7.93	.52 .90	
Finished goods Nondurable goods industries	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.53 1.18	.54 1.19	.52 1.18	.51 1.15	.49 1.15	.49 1.14	.48 1.14	.48 1.15	.48 1.14	.48 1.14	.50 1,17	.49 1.18	.48 1.16	
Materials and supplies			.43 .19	.43 .19	.43 .19	.42 .19	.42	.42 .19	.42 .19	.42 .19	.42	.41 .19	.43 .19	.43	.42	
Work in process			.55	.56	.55	.54	.54	.53	.53	.53	.53	.54	.55	.55	.54	
Retail trade, total Durable goods stores			1.60 72.25 1.25	1.56 2.15	1.57 2.17	1.55 2.14	1.54 2.11	1.54 2.12	1.56 2.16	1.57 2.15	1.59 2.16	1.59 2.17	1.61 2.16	1.56 2.07	1.54 2.05	
Nondurable goods stores Merchant wholesalers, total			1.25 1.38	71.23 1.38	1.24 1.35	1.22 1.34	1.23 1.32	1.22	1.23 1.32	1.25 1.31	1.27 1.33	1.27 1.34	1.29 1.36	1.27 *1.35	1.24 1.36	
Durable goods establishments			1.90	1.87	1.87	1.85	1.81	1.79	1.80	1.75	1.77 .91	1.79	1.83	1.80	1.80	
Manufacturing and trade in constant (1982) dollars,							1	.								
total			1.50 1.54 1.54	1.49 1.55 1.51	1.47	1.45 1.48	1.44	1.42 1.45 1.50	1.43 1.44							
Retail trade			1.40	1.39	1.52 1.35	1.50 1.34	1.50 1.32	1.30	1.51 1.32							
MANUFACTURERS' SHIPMENTS, INVENTORIES,																
AND ORDERS †								l								
[Millions of dollars] Shipments (not seas. adj.), total	2,917,465	2,863,603	231,617	238,810	235,069	240,483	254,733	218,827	242,053	257,962	253,919	245,363	230,512	²213,596	237,825	
Durable goods industries, total	1,504,650	1,459,051	116,914	122,049 4,402	120,571	123,418	133,092 5,209	107,332 4,765	122,340 5,158	133,506 5,239	130,927	125,777 4,754	118,503 3,963	r 106,887 r 4,061	123,412 4,494	
Stone, clay, and glass products Primary metals	62,897 144,185 58,921	56,464 127,830	4,290 10,728 4,299	10,650 4,110	4,757 10,966 4,327	4,756 10,764 4,385	10,949 4,463	9,836 3,970	10,854 4,399	11,272 4,561	5,138 11,237 4,622	10,563 4,257	9,394 3,885	10,143	10,881	
Fabricated metal products	188,115 263,573	51,777 181,275 250,080	14,819 20,308	15,443 23,286	15,017 20,557	15,367 20,366	16,144 24,383	13,541 17,876	15,404 19,147	16,143 22,726	16,593 20,731	15,525 20,278	13,929 22,592	7 13,449 7 17,544	15,230	
Industrial machinery and equipment Electronic and other electrical equipment Transportation equipment	200,430 377,319	205,789	16,459 29,488	17,443 29,230	16,197 31,591	17,006 33,179	18,360 34,310	15,251 25,671	17,061 31,889	19,094 35,448	17,501 36,554	18,315 33,836	18,344 28,918	715,213 726,763	17,024	
Motor vehicles and parts	226,050 120,219	219,886	17,002 9,462	15,952 10,182	18,767 9,632	20,605 9,920	19,809 10,774	14,233 9,067	19,311 9,968	20,827 10,599	23,388	20,181 10,391	14,344 10,753	717,016 78,607	20,780	
Nondurable goods industries, total	1,412,815	1,404,552	114,703	116,761	114,498	117,065	121,641	111 495	119,713	124,456	122,992	119,586	112,009	106,709	114,413	
Food and kindred products	397,090 28,161	398,110 30,042	32,651 1,826	33,904 2,944	32,152 1,817	33,700 2,906	34,635 3,130	31,765 1,792	33,370 2,456 5,901	35,140 2,954	34,441 2,390 6,194	33,738 3,454 5,840	32,702 2,825 5,047	730,025 71,599 74,857	1,868	
Textile mill products Paper and allied products	63,535 128,761	64,406 122,214	4,831 10,334	5,189 10,253	5,026 9,921	5,214 9,851	5,938 10,738	4,773 9,964	10,406	6,186 10,563	10,411	9,953	9,790	9,808	10,282	
Chemicals and allied products Petroleum and coal products	285,612 179,357	288,018 167,342	24,205 13,261	24,200 12,838	24,971 13,509	24,560 14,352	24,992 14,136	22,566 13,672	24,037 14,394	25,047 14,406	24,115 14,587	23,034 14,271	22,590 12,981	723,347 711,546	11,732	
Rubber and plastics products	91,657	92,576	7,482 233,215	7,497 228,715	7,799 234,886	7,807 238,289	8,298 239,118	7,559 240,193	7,997 241,894	8,378 242,240	8,388 245,134	7,487 245,480	6,931 235,997	77,378 236,367		
By industry group: Durable goods industries, total #			117,432	114,487	119,721	121,024	122,240	122,994	124,459	124,965	126,404	126,547	119,795	121,615		**************
Stone, clay, and glass products			4,544 10,620	4,397 10,220	4,556 10,626	4,617 10,569	4,762 10,418	5,006 10,611	4,884 10,754	4,853 10,857	4,744 10,754	4,738 10,717	4,608 10,412	4.697	4,802	
Blast furnaces, steel mills			4,281 14,616	3,900 14,532	4,135 14,711	4,220 14,715	4,212 15,003	4,296 14,895	4,426 15,401	4,480 15,291	4,451 15,716	4,352 15,847	4,296 15,214	74,456 715,145	4,504	
Industrial machinery and equipment Electronic and other electrical equipment			20,897 16,517	20,840 16,525	20,890 16,755	20,735 17,218	21,142 17,082	20,511 17,166	20,526 17,114	20,683 17,343	20,979 17,389	21,237 17,876	20,410 17,766	720,888 717,094	20,709	
Transportation equipment Motor vehicles and parts Instruments and related products			28,912 15,726	27,314 14,910	30,402 17,372	31,310 18,515	31,823 18,561	32,692 19,979	33,198 19,879	33,836 20,041	34,713 20,954	33,573 19,836	29,658 17,818	30,788 18,360	33.397	
			9,797	9,488	10,137	10,012	9,962	9,933	10,291	9,964	10,078	10,235	9,840	19,705	9,839	
Nondurable goods industries, total # Food and kindred products			115,783 32,917	114,228 33,111	115,165 32,854	117,265 33,316	116,878 33,265	117,199 32,981	117,435 33,273	117,275 33,246	118,730 33,379	118,933 33,897	116,202 33,233	r 114,752 r 32,502	33,138	
Tobacco products			2,286 4,878	2,452 4,932	2,095 5,085	2,567 5,233	2,560 5,437	2,556 5,546	2,547 5,598	2,585 5,634	2,597 5,736	3,010 5,661	2.275 5,509	72,513 75,605	2.398 5.612	
Tobacco products Textile mili products Paper and allied products Chemicals and allied products Petrolicals and end products			10,218 23,816	9,994 22,885	9,949 24,117	9,952 24,543	10,284 23,895	10,251 24,062	10,266 24,027	10,317 24,025	10,234 24,354	10,199 23,809	10,167 23,726	710,088 723,966	10,182 24,008	
Petroleum and coal products	l		14,099 7,395	13.584	13,760 7,527	14,331 7,482	14,151 7,626	13,714 7,927	13,687 7,930	13.348 8,064	13,826 8,032	13,712 7,920	12.897 7,719	12.038	12.756	
			,						,							

Unless otherwise stated in footnotes below, data	Anı	nual						1991				_			1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			1. GEN	ERAL B	USINES	S INDICA	ATORS-	-Continu	ied							
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS—Continued †															_	
[Millions of dollars]								İ			İ					
Shipments (seas. adj.)—Continued					1									1		
By market category: Home goods and apparel	¹ 170,871	¹ 178,875	13,930	13,910	14,405	14,376	14,639	15,069	15,129	15,255	15,532	15.928	15,458	15,591	15,627	
Consumer staples Machinery and equipment	4670,558 472,748	4671,622 467,618	55,603 38,199	55,191 36,730	54,903 38,623	56,728 39,163	56,143 39,416	55,635 39,033	55,830 39,217	55,842 39,871	56,541 40,815	57,182 40,870	55,439 37,844	754,748 738,674	55,299 39,687	
Automotive equipment	/ 103,865 / 170,750	798,020 7161,061	7,045 12,789	6,686 12,563	7,815 13,091	8,237 13,297	8,145 13,503	8,781 13,743	8,854 13,685	8,987 13,655	9,318 13,685	8,939 13,923	8,072 13,723	78,108 713,811	8,771 14,229	
Other materials, supplies, and intermediate products	1983.829	1949.793	77,547	75,795	77,875	78,647	79,570	80,245	80,551	80,331	80,815	80,336	77,809	78,665	79,973	
Supplementary series: Household durables	777,561	779,298	6,242	6,215	6,460	6,445	6,383	6,678	6,786	6,836	6,900	7,088	6,643	r 6,755	6.752	
Capital goods industries	/ 491,594 / 384,663	/ 489,885 / 386,319	40,711 32,213	39,971 31,405	40,593 31,733	40,543 32,131	41,398 32,848	39,978 31,732	41,400 32,260	41,577 32,547	42,163 33,316	42,374 33,565	39,536 31,148	40,303 31,909	41,474 32,523	
Defense	106,931	103,566	8,498	8,566	8,860	8,412	8,550	8,246	9,140	9,030	8,847	8,809	8,388	78,394	8,951	***************************************
Inventories, end of year or month: Book value (non-LIFO basis), (unadjusted), total	382,135	369,493	390,570	386,434	387,458	384,554	378,904	378,863	378,749	377,445	378,171	377,403	369,493	r 373,463	375,233	,
Durable goods industries, total Nondurable goods industries, total	247,615 134,520	235,130 134,363	253,719 136,851	251,017 135,417	251,304 136,154	249,380 135,174	245,429 133,475	245,338 133,525	244,736 134,013	243,223 134,222	242,689 135,482	241,914 135,489	235,130 134,363	^237,799 ^135,664	239,074 136,159	
Book value (non-LIFO basis), (seasonally	388,811	275 701	388,459	385,982	385,145	201 077	379,968	378,002	377,388	378,837	378,064	377,820	375,701	r 373,992	372,823	
adjusted), total		375,701				381,877		1				242,290		^{238,891}	237,663	<
Durable goods industries, total #	252,836 8,157 23,651	240,292 7,968 21,359	252,256 8,243 23,216	250,405 8,138 23,265	249,546 8,096 23,029	246,964 8,016 22,645	245,642 8,019 22,509	244,467 7,968 22,217	243,616 7,988 22,065	244,310 7,905 21,947	242,816 7,860 21,787	7,962 21,591	240,292 7,968 21,359	77,911 20,986	7,937 20,861	
Primary metals	11,658	10,476	11,368	23,265 11,426 24,272	11,216	11,023	10,943	10,851	10,774	10,724	10,587 22,959	10,522 23,018	10,476 22,715	10,303	10,330 22,778	
Fabricated metal productsIndustrial machinery and equipment	24,585 47,724	22,715 45,337	24,717 48,198	47,921	23,992 48,014	23,649 47,764 29,522	23,433 46,922 29,333	23,163 46,985 29,377	23,101 46,735 29,159	23,001 46,580	46,448 28,886	46,011 28,746	45,337 28,504	744,914 728,627	44,468 28,605	***************************************
Electronic and other electrical equipment Transportation equipment	30,067 73,424	28,504 71,138	29,698 73,551	29,719 73,116	29,714 72,985	72,109	72,071	71,612	71,466	29,035 72,458	71,690	71,976 12,973	71,138	70,409	70,159 12,418	
Motor vehicles and parts Instruments and related products	13,039 24,273	12,777 23,333	73,551 13,228 23,928	12,919 23,640	12,867 23,743	12,447 23,567	12,479 23,717	12,488 23,638	12,564 23,603	12,694 23,606	12,777 23,482	23,233	12,777 23,333	23,013	22,823	
By stage of fabrication: Materials and supplies	71,191	66,067	70,980	70,101	69,274	68,425	67,387	66,936 117,350	66,951	67,027	66,823	66,555	66,067	765,830		
Work in processFinished goods	119,169 62,476	114,295 59,930	119,010 62,266	118,646 61,658	118,041 62,231	117,308 61,231	117,748 60,507	60,181	116,308 60,357	116,762 60,521	115,492 60,501	115,382 60,353	114,295 59,930	113,401 59,660	59,583	
Nondurable goods industries, total # Food and kindred products	135,975 27,784	135,409 28,837	136,203 28,137	135,577 28,221	135,599 28,321	134,913 28,154	134,326 28,169	133,535 27,864	133,772 27,962	134,527 28,494	135,248 28,852	135,530 28,867	135,409 28,837	7135,101 728,674	135,160 28,767	
Tobacco products Textile mill products	5,375 8,846	5,865 8,648	5,720 8,861	5,662 8,699	5,851 8,639	5,788 8,592	5,803 8,546	5,987 8,561	5,950 8,579	5,892 8,744	5,882 8,751	5,706 8,626	5,865 8,648	5,933 *8,756	5,974 8,783	
Paper and allied products Chemicals and allied products	13,362 32,366	13,487 32,904	13,695 32,762	13,771 32,805	13,720 32,772	13,576 32,666	13,332 32,417	13,247 32,228	13,098 32,476	13,153 32,522	13,368 32,630	13,457 32,912	13,487 32,904	13,562	13,535 32,807	
Petroleum and coal products	13,175 11,995	11,032 11,245	11,871 11,959	11,586 11,766	11,563 11,801	11,759 11,652	11,774 11,537	11,613 11,405	11,688 11,359	11,778	11,402 11,274	11,500 11,303	11,032 11,245	710,648 711,230	10,518 11,113	
By stage of fabrication: Materials and supplies	49,710	49,693	49,706	49,661	49,523	49,342	49,305	49,409	49,237	49,284	49,556	49,326	49,693	49,429	49,379	
Work in process	22,906 63,359	22,311 63,405	22,369 64,128	21,998 63,918	22,296 63,780	22,224 63,347	22,395 62,626	22,228 61,898	22,339 62,196	22,786 62,457	22,820 62,872	22,479 63,725	22,311 63,405	722,601 763,071	22,727 63,054	
By market category:	l i			,			·							•	·	
Home goods and apparel Consumer staples	26,567 54,407	26,684 55,125	26,180 54,589	25,703 54,466	25,444 54,796	25,406 54,693	25,390 54,578	25,244 54,359	25,395 54,594	25,925 55,100	26,208 55,335	26,403 55,260	26,684 55,125	727,193 754,657	27,341 54,801	
Machinery and equipment Automotive equipment	87,135 6,698	85,919 6,474	87,612 6,677	87,738 6,472	87,832 6,454	87,319 6,316	6,228	86,572 6,209	86,662 6,274	86,679 6,369	86,182 6,399	86,114 6,493	85,919 6,474	785,583 76,401	84,915 6,383	
Construction materials and supplies Other materials, supplies, and intermediate	23,957	22,723	23,922	23,637	23,341	23,054	23,123	23,063	23,040	23,011	22,870	22,947	22,723	22,652	22,716	
products	131,364	124,552	131,474	130,508	129,945	128,491	127,715	126,666	126,018	126,008	125,775	125,701	124,552	123,845	123,500	
Household durables Capital goods industries	12,901 121,951	12,391 116,530	12,758 121,907	12,442 121,538	12,225 121,727	12,134 120,871	12,080 119,975	11,923 119,629	11,961 118,977	12,163 119,448	12,194 118,224	12,312 117,707	12,391 116,530	12,520 115,648	12,497 114,624	
Nondefense Defense	83,334 38,617	81,644 34,886	83,908 37,999	83,985 37,553	84,146 37,581	83,747 37,124	82,869 37,106	82,925 36,704	82,985 35,992	82,727 36,721	82,072 36,152	81,949 35,758	81,644 34,886	, 81,309 , 34,339	80,604 34,020	
New orders, net (unadj.), total	42,923,715 41,511,501	12,847,458 11,441,665	234,071 119,158	238,355 120,990	231,020 116,644	237,591 119,718	246,990 125,745	226,615 114,829	240,835 120,697	253,067 128,355	249,441 126,956	242,579 123,343	229,451 117,481	*215,622 *108,873	234,570 119,996	
Nondurable goods industries, total	1,412,214	1,405,793	114,913	117,365	114,376	117,873	121,245	111,786	120,138	124,712	122,485	119,236	111,970	r 106,749	114,574	
New orders, net (seas. adj.), total	12,923,715	12,847,458	233,132	226,431	231,229	236,540	233,725	248,090	243,160	237,624	242,230	243,138	234,102	235,188		
Durable goods industries, total	1,511,501 143,388	1,441,665 128,836	117,547 9,776	112,116 9,725	116,139 10,490	118,434 10,377	117,128 10,782	130,827 11,496	125,482 11,318	120,092 10,823	123,325 10,493	124,046 10,714	117,785 9,869	7120,567 710,099	10,902	
Blast furnaces, steel mills Nonferrous and other primary metals	758,201 773,379	¹ 50,966 ¹ 64,875	3,839 5,134	3,664 5,274	4,279 5,429	4,223 5,360	4,476 5,429	5,088 5,515	4,924 5,525	4,483 5,525	4,453 5,204	4,138 5,766	3,635 5,328	73,915 75,296	5,757	
Fabricated metal productsIndustrial machinery and equipment	/ 187,049 / 261,443	180,083 245,446	14,278 19,899	14,328 19,872	14,874 20,243	14,703 20,955	14,592 20,137	14,875 20,522	15,370 20,374	15,193 20,987	15,469 20,259	15,652 20,491	15,133 19,842	715,447 721,002	15,101 20,602	
Electronic and other electrical equipment Transportation equipment	⁷ 201,261 ⁷ 393,599	203,696 370,751	18,067 29,758	15,642 28,343	17,330 27,453	16,911 28,781	15,371 29,814	17,523 37,882	16,174 34,404	16,830 29,352	17,431 32,648	17,642 33,618	18,281 29,018	, 17,354 , 29,577	29,839	
Aircraft, missiles, and parts	145,798	/ 130,040	12,801	12,015		7,596 118,106	9,890 116,597	16,595 117,263	11,860 117,678	6,993 117,532	10,125 118,905	12,664 119,092	10,007 116,317	r 9,661 r 114.621	8,295 116,184	
Nondurable goods industries, total	/1,412,214 /351,172 /1,061,042	1,405,793 1343,988	115,585 28,463 87,122	114,315 28,363 85,952	27,916	29,033	27,958 88,639	28,808 88,455	28,983 88,695	28,972 88,560	29,217 89,688	29,042 90,050	28,740 87,577	27,917 86,704	28,162 88,022	
Industries without unfilled orders ◊ By market category:	1,061,042	1,061,805		i		89,073			\ \							
Home goods and apparel Consumer staples	/ 171,099 / 670,419	1178,994 1671,610	13,668 55,599	13,925 55,209	14,601 54,838	14,528 56,698	14,645 56,249	15,036 55,692	15,409 55,815	15,554 55,835	15,678 56,592	16,108 57,110	15,660 55,380	715,346 754,791	55,292	
Machinery and equipment	/ 495,458 / 103,683	457,146 498,233	39,282 7,049	36,967 6,660	35,803 7,828	35,251 8,262	35,301 8,103	42,265 8,785	37,554	38,050 9,308	39,392 9,288	42,096 8,886	35,484 7,993	r 38,155	38,180	
Construction materials and supplies	170,287	161,632	12,655	12,644	13,199	13,411	13,633	14,325	13,716	13,721	13,606	13,670	13,719	13,980	14,082	
products	1980,655	1949,257	77,449	74,854	77,834	79,391	78,452	83,243	81,450	80,243	79,531	80,406	76,853	778,642	ì	
Household durables	777,099 501,797	79,528 474,376	6,092 41,678	6,167 38,632	6,580 36,538	6,567 37,569	6,367 37,563	6,756 46,074	6,961 41,797	6,966 35,594	7,022 39,404	7,153 40,029	6,788 38,667	r 39,447	37,116	
Nondefense	408,380 93,417	/ 378.012	33,756	31,940	28,748	28,038	29,282	36,689	30,993	30,078 5,516	31,098 8,306	34,876	28,909	r31,636	30,769	
Deletise	30,7171	, 30,004	. 1,322	. 0,032	, ,,,,,,,	. 3,551	. 0,201	. 5,000	. ,0,004	. 5,5101	5,000	5,.50	. 5,,50	,	5,517	

Unless otherwise stated in footnotes below, data	A	nnual						1991							1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
· · · · · · · · · · · · · · · · · · ·			1. GEN	IERAL B	USINES	S INDIC	ATORS-	-Continu	Jedi					·	<u> </u>	
MANUFACTURERS' SHIPMENTS, INVENTORIES,																
AND ORDERS—Continued ††																
[Millions of dollars]	F04 070	507.007	F00 744	500.050	505.040	500.040	F44 F7F	500 000	504.445	540.050	544 770	500 000	507.007	- 500 050	500.000	
Unfilled orders, end of period (unadjusted), total Durable goods industries, total	524,072 504,131	486,745	529,714 509,502	529,259 508,443	525,210 504,516	522,318 500,816	514,575 493,469	522,363 500,966	521,145 499,323	516,250 494,172	511,772 490,201	487,767	507,927 486,745	, 509,953 , 488,731	485,315	
Nondurable goods industries with unfilled orders ‡ . Infilled orders, end of period (seasonally adjusted)	19,941	21,182	20,212	20,816	20,694	21,502	21,106	21,397	21,822	22,078	21,571	21,221	21,182	r21,222	21,383	
total	527,195	511,348	527,026	524,742	521,085	519,336	513,943	521,840	523,106	518,490	515,586	513,243	511,348	r510,169	505,305	,
By industry group: Durable goods industries, total #	506,375		506,631	504,260	500,678	498,088	492,976	500,809	501,832	496,959	493,880	491,378	489,368	r 488,320	483,609	
Primary metals	23,122 8,578	20,793 7,663	20,644 7,068	20,149 6,832	20,013 6,976	19,821 6,979	20,185 7,243	21,070 8,035	21,634 8,533	21,600 8,536	21,339 8,538	21,336 8,324	20,793 7,663	720,204 77,122	20,229 6,982	
Nonferrous and other primary metals	11,416		10,621	10,405	10,194	10,068	10,156	10,225	10,262	10,281	10,055	10,319	10,322	710,296	10,618	
Fabricated metal products	27,411 57,185	26,287 52,695	27,423 56,966	27,219 55,998	27,382 55,351	27,370 55,571	26,959 54,566	26,939 54,577	26,908 54,425	26,810 54,729	26,563 54,009	26,368 53,263	26,287 52,695	26,589 52,809	26,470 52,702	
Electronic and other electrical equipment Transportation equipment	49,185 277,502	272,872	50,379 280,079	49,496 281,108	50,071 278,159	49,764 275,630	48,053 273,621	48,410 278,811	47,470 280,017	46,957 275,533	46,999 273,468	46,765 273,512	47,280 272,872	r 47,540 r 271,661	47,256 268,103	***********
Aircraft, missiles, and parts	241,418	238,679	243,762	245,407	243,014	239,781	238,282	243,995	244,398	239,601	237,926	238,753	238,679	r237,643	234,228	
Nondurable goods industries with unfilled orders ‡	20,820	21,980	20,395	20,482	20,407	21,248	20,967	21,031	21,274	21,531	21,706	21,865	21,980	r21,849	21,696	
By market category:	0.500	0.450	7.744	7 700	7.005	0.077	0.000	0.050	0.001	0.000	0.770	0.050	0.150	-0010	0.000	
Home goods and apparel	8,586 1,283	9,158 1,271	7,714 1,287	7,729 1,304	7,925 1,239	8,077 1,209	8,083 1,315	8,050 1,371	8,331 1,357	8,629 1,350	8,776 1,401	8,956 1,329	9,158 1,271	78,913 71,315	8,823 1,307	
Machinery and equipment	229,017 1,843	218,526 2,060	231,945 1,879	232,182 1,853	229,362 1,866	225,450 1,891	221,335 1,849	224,567 1,852	222,903 1,900	221,082 2,222	219,660 2,193	220,886 2,139 13,083	218,526 2,060	°218,007 °2,076	216,501 2,094	
Construction materials and supplies Other materials, supplies, and intermediate	12,550	13,079	12,304	12,385	12,493	12,606	12,737	13,318	13,350	13,415	13,336	13,083	13,079	13,248	13,101	
products	125,773	125,091	124,810	123,871	123,829	124,574	123,455	126,456	127,354	127,267	125,979	126,049	125,091	125,069	124,605	
Household durables	5,203	5,495	4,602	4,554	4,674	4,796	4,780	4,858	5,033	5,163	5,285	5,350	5,495	75,285	5,275	
Capital goods industries	402,026 250,310	242,055	404,710 254,089	403,371 254,624	399,316 251,639	396,342 247,546	392,507 243,980	398,603 248,937	399,000 247,670	393,017 245,201	390,258 242,983	387,912 244,294	387,043 242,055	, 386,187 , 241,782	381,829 240,028	
Defense	151,716	144,988	150,621	148,747	147,677	148,796	148,527	149,666	151,330	147,816	147,275	143,618	144,988	144,405	141,801	***********
BUSINESS INCORPORATIONS @					1					ł						
[Number]							İ			1						
ew incorporations (50 States and DC): Unadjusted	643.022	628,567	48,419	55,917	55,735	56,618	51.654	52,949	51,838	47,840	r 54,000	46,419	52,951			
Seasonally adjusted	043,022		50,384	51,536	52,235	52,327	52,071	52,843	53,222	52,284	53,892	54,165	52,898	***************************************		·····
INDUSTRIAL AND COMMERCIAL FAILURES @					Ì				- 1	l						
For failures, number; for liabilities, millions of dollars]								j	- 1	İ		1				
ailures, total	60,432		6,876	7,330	7,464	7,786	6,887	7,627	7,422	6,833	8,485					
Commercial service	16,063 8,072		1,802 913	1,876 1,036	1,931 1,043	2,022 1,023	1,734 918	1,923 1,052	2,021 974	1,747 879	2,255 1,137					
Manufacturing and mining Retail trade	5,090 12,826		599 1,307	567 1,442	572 1,449	630 1,549	510 1,320	595 1,422	628 1,424	542 1,389	669 1,652					
Wholesale trade	4,376		454	495	533	516	468	507	527	522	632					
abilities (current), total	64,044.1 6,767.3		11,997.2 5,189.9	7,317.7 919.9	5,069.1 759.6	12,248.0 601.5	4,930.5 434.2	4,734.1 1 227 8	3,202.0 632.8	5,963.0 586.5	10,126.2 868.3					
Construction	2,905.2		396.3 4,179.1	163.0 643.3	746.0 795.8	595.1 374.1	170.4 286.5	1,227.8 350.5 525.2	393.9 346.7	199.1 404.7	200.4 1,252.2					
Manufacturing and mining	6,829.7 7,716.0		416.8	280.9	675.3	413.6	335.0	259.5	281.6	885.5	370.6				***************************************	
Wholesale tradeaiiure annual rate, number per 10,000 concerns	2,414.8 75.0		258.2	326.1	288.6	241.3	107.8	359.6	308.0	312.7	178.9					
ander armual rate, humber per 10,000 concerns	75.0															
				2.	COMMO	DDITY PI	RICES	γ						1		
PRICES RECEIVED AND PAID BY FARMERS †																
[1910–14=100]	681	667	660	678	678	691	697	681	667	672	651	636	628	630	r649	6
crops #	548		527	540	564	593	615	587	576	593	544	537	520	532	7552	50
Commercial vegetables	707 548	561 674 553	597 573 372	731 582 382	742 587	971	759 570	609 560	560 565	577 547	578 529	742 514	558	682 436	, 826 , 419	93 41
Feed grains and hay	388 338	371	372	382	391 303	592 385	366 298 1,382	357 291	368 304	367 324	363 351	365 369	469 369 390	377 400	388 424	30
Food grains	694	316 1,000	281 767	294 803	817	308 877	1,382	1,308	1,294	1,434	1,008	803	772	766	7778	4(
Tobacco	1,483 820	1,542 777	1,643 800	1,526 813	1,626 798	1,4 8 8 794	1,488 783	1,488 780	1,444 762	1,552 754	1,548 763	1,582 739	1,565 741	1,530 732	71,521 7750	1,70
Dairy products	837 1,088	748	716	697	691	697	697	722	752	783	820 994	844 940	844	826 941	, 789 , 997	1,00
		1,047	1,108 279	1,122 310	1,116 278	1,108 272	1,086 273	1,060 289	1,015 286	990 283	280	275	935 289	263	254	25
Meat animals Poultry and eggs	298	285		1	- 1	ĺ	1	1,000		į	998			993		
Poultry and eggsices paid:	298	:			4 040	1		1,000			330			353		
Poultry and eggs	298 989	1,003	***************************************		1,012					i		- 1				
Poultry and eggs	298 989 1,265	1,003 1,298			1,303			1,298	g4	go	1,298		48	1,295		************
Poultry and eggs	298 989	1,003	51	52			53	1,298 52	51	52	1,298 50	49	48	1,295 48		
Poultry and eggs	298 989 1,265	1,003 1,298			1,303				51	52	- 1					
Poultry and eggs	298 989 1,265	1,003 1,298			1,303				51	52	- 1					
Poultry and eggs	298 989 1,265	1,003 1,298			1,303				51	52	- 1					
Poultry and eggs	298 989 1,265 54	1,003 1,298 51	51	52 133.0	1,303 52 133.3	53	53	52 134.3	134.6	135.2	50 135.4	49 135.8	48 135.9	48 136.0	136.4	
Poultry and eggs	298 989 1,265 54	1,003 1,298 51	51	52	1,303 52	53	53	52			50	49	48	48		
Poultry and eggs	298 989 1,265 54	1,003 1,298 51 134.3 136.2	51	52 133.0	1,303 52 133.3	53	53	52 134.3	134.6	135.2	50 135.4	49 135.8	48 135.9	48 136.0	136.4	137. 139. 136.

Unless otherwise stated in footnotes below, data								1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
				2. COMN	IODITY I	PRICES-	—Contin	ued								
CONSUMER PRICES—Continued						}										
[1982-84=100, unless otherwise indicated]			1		1			Ì	1	1	l					
Not seasonally adjusted—Continued			1						1			.			- 1	
All items (CPI-U)—Continued Commodities	122.8	126.6	125.7	125.7	126.4	126.8	126.7	126.2	126.4	127.1	127.2	127.8	127.5	127.2	127.6	128.4
Nondurables Nondurables less food	126.0 119.9	130.3 124.5	129.3 123.2	129.2 122.9	130.2 123.9	130.6 124.6	130.4 123.9	129.6 123.0	130.1 124.3	131.0 125.9	131.0 126.1	131.5 126.7	131.11 125.5	130.6 124.2	131.1 124.9	132.1 126.2
Durables Commodities less food	113.4 117.4	116.0 121.3	115.5 120.3	115.5 120.1	115.5 120.7	115.9 121.3	116.0 120.9	116.3 120.5	115.9 121.1	115.9 122.1	116.3 122.4	117.0 123.0	117.2 122.4	117.4 121.6	117.6 122.1	117.9 123.0
Services	139.2	146.3	144.5	144.8	144.7	145.0	145.8	146.8	147.3	147.9	148.1	148.3	148.8	149.6	150.1	150.7
Food #	132.4 132.3	136.3 135.8	135.5 135.7	135.8 136.0	136.7 137.0	136.8	137.2 137.4	136.5	136.0 134.9	136.0 134.9	135.8 134.4	136.2 135.0	136.7 135.5	137.2 136.4	137.5 136.6	138.1 137.5
Food at home	128.5	133.6	132.4	132.6	132.5	136.9 132.8	133.4	136.0 134.2	134.5	134.7	134.7	134.7	135.0	135.7	136.1	136.6
Shelter # Rent, residential	140.0 138.4	146.3 143.3	144.6 141.5	145.2 142.0	145.2 142.5	145.2 142.8	145.8 143.0	146.8 143.7	147.3 143.7	147.4 144.6	147.7 144.6	147.9 145.0	148.2 145.2	149.2 145.4	149.8 145.6	150.4
Homeowners' cost, Dec. 1982=100	144.6	150.2	148.2	148.4	148.8	149.2	149.7	150.2	150.7	151.6	152.1	152.6	153.0	153.2	153.5	154.1
Fuel and other utilities # Fuel oil and other household fuel	111.6	115.3	114.7	114.1	113.1	114.2	115.8	116.4	116.2	116.8	115.7	115.3	116.0	116.2	115.9	115.8
commodities	99.3 109.3	94.6 112.6	105.7 111.5	99.3 110.8	94.4 109.4	90.9 111.5	89.3 114.4	87.8 115.4	87.8 114.7	88.9 115.5	90.9 112.9	94.8 111.2	94.7 112.4	92.0 112.8	91.5 112.0	90.5 111.5
Household furnishings and operation	113.3	116.0	115.6	115.7	115.9	116.3	115.9	116.3	116.2	116.4	116.4	116.5	116.3	116.7	117.3	117.7
Apparel and upkeep Transportation	124.1 120.5	128.7 123.8	126.2 123.7	128.8 122.3	130.1 122.2	129.4 123.3	126.9 123.7	125.2 123.4	127.6 123.8	131.3 123.8	132.7 124.0	132.9 125.0	129.6 125.3	127.9 124.5	130.2 124.1	133.4 124.4
Private	118.8 121.0	121.9 125.3	121.2 125.3	119.9 125.4	120.2 125.3	121.5 125.4	121.9 125.3	121.7 124.9	122.0 124.4	122.1 124.1	122.4 125.0	123.4 126.6	123.4 127.6	122.5 128.0	122.0 128.1	122.2 128.2
Used cars	117.6	118.1	115.1	114.4	115.0	117.0	118.8	120.4	120.0	119.8	120.2	120.6	120.1	117.8	116.1	115.7
Public	142.6 162.8	148.9 177.0	156.2 172.5	153.3 173.7	147.1 174.4	146.0 175.2	146.6 176.2	146.7 177.5	147.6 178.9	146.6 179.7	144.9 180.7	147.0 181.8	149.8 182.6	151.5 184.3	150.7 186.2	153.5 187.3
Seasonally adjusted ‡				1		l			l	- (- 1					ĺ
All items, percent change from previous month or year	15.4	14.2	.1	.1	.2	.2	3	.1	.3	.4	.2	.4	.2	ļ .i	.3	.5
Commodities			125.9 120.9	125.8 120.4	126.2 120.8	126.5 121.1	126.7 121.0	126.5 121.1	126.8 121.7	127.1 122.1	127.1 122.1	127.6 122.6	127.6 122.4	127.3	127.8 122.7	128.5 123.4
Food			135.3	135.7	136.4	136.7	137.3	136.6	136.3	136.5	136.4	137.0	137.4	122.1 136.8	137.2	137.9
Apparel and upkeep			135.2 127.9	135.5 128.2	136.3 128.6	136.5 128.6	137.2 127.8	135.9 127.7	135.3 129.2	135.4 130.0	135.2 130.3	135.9 131.1	136.4 129.6	135.4 130.0	136.0 131.9	137.0 132.7
Transportation			123.9	122.9	122.7	123.1	123.4	123.6	124.2	124.2	124.0	124.5	124.8	124.4	124.2	125.1
Private New cars			121.5 124.0	120.7 124.4	120.9 125.0	121.4 125.1	121.8 125.5	121.9 125.7	122.5 125.9	122.6 126.3	122.5 126.2	122.9 126.3	123.0 126.5	122.4 126.6	122.3 126.7	123.0 127.2
Services			144.4	144.8	145.1	145.5	145.9	146.5	147.0	147.6	148.1	148.6	149.2	149.7	150.0	150.7
						}	1				7.4					
PRODUCER PRICES §				1	1		i I			j		ı			ļ	l
[1982=100 unless otherwise indicated]				j	ì	}	i	ł	1]	i	ı İ		i i	- centor	
Not seasonally adjusted: All commodities	116.3	116.5	117.2	116.2	116.0	116.5	116.4	116.1	116.2	116.1	116.4	116.4	115.9	115.6	116.1	116.1
By stage of processing: Crude materials for further processing	108.9	101.2	104.1	101.2	100.8	102.1	99.8	99.5	99.1	98.0	99.9	99.7	97.7	97.3	99.0	98.6
Intermediate materials, supplies, and	114.5	114.4	115.5	114.2	113.9	114.0	114.3	114.0	114.2	114.6	114.2	114.0	113.7	113.2	113.6	113.6
components Finished goods #	119.2	121.7	121.4	120.9	121.1	121.8	121.9	121.6	121.7	121.4	122.2	122.3	121.9	121.7	121.9 120.2	122.0 120.4
Finished consumer goods	118.2 122.9	120.5 126.7	120.3 126.1	119.6 126.2	119.8 126.2	120.6 126.5	120.7 126.5	120.4 126.6	120.4 126.5	120.2 126.2	120.8 127.9	120.9 127.9	120.3 128.0	120.0 128.3	128.3	128.4
By durability of product: Durable goods	121.2	122.9	122.9	122.9	122.9	122.8	122.7	122.7	122.6	122.5	123.3	-123.2	123.2	123.4	123.7	124.1
Nondurable goods Total manufactures	112.2 118.1	111.7 119.0	112.8 119.6	111.1 118.7	111.0 118.7	111.7 118.8	111.6	111.1 118.5	111.3 118.7	111.3 118.7	111.3 119.2	111.3	110.5 118.8	109.9 118.5	110.5 119.0	
Durable manufactures	120.7	122.7	122.5	122.6	122.6 114.7	122.5	122.6	122.6 114.3	122.5 114.8	122.3 115.0	123.3 115.0	123.2	123.2 114.4	123.4 113.7	123.6 114.4	
Nondurable manufactures Farm products, processed foods and feeds	115.2 118.6	115.2 116.4	116.4 117.1	114.8	118.1	115.0 118.3	117.6	116.3	115.2	115.1	115.0	114.8	114.4	115.7	116.5	116.8
Farm products	112.2	105.6 121.9	106.9 122.3	109.7 122.6	109.6 122.5	110.4 122.3	109.1	105.6 121.6	102.9 121.4	103.1 121.1	101.5 121.9	r 101.6	100.7 121.4	103.0 121.4	105.6 122.0	
Foods and feeds, processed Industrial commodities	121.9 115.8	116.5	117.2	115.7	115.6	116.1	116.1	116.0	116.3	116.3	116.7	116.7	116.1	115.6	116.0	115.9
Chemicals and allied products	123.6	125.6	128.1	126.0	126.0	125.3	125.0	124.4	124.5	124.5	124.9	r 124.9	124.9	124.6	124.5	124.5
Fuels and related prod., and power Furniture and household durables	82.2 119.1	81.2 121.2	83.0 120.9	78.5 121.0	78.1 121.2	80.2 121.2	121.2	80.1 121.2	81.3 121.2	81.4 121.2	81.3 121.4	121.4	79.1 121.4	76.8 121.8	77.0 121.9	76.2 121.9
Hides, skins, and leather products Lumber and wood products	141.7 129.7	138.9 132.0	140.0 127.2	140.4 127.8	141.1 129.2	140.4 132.3	140.0	138.3 136.9	138.1 133.3	136.6 133.4	136.3 133.2	7 137.1 7 133.4	137.6 134.3	138.5 136.9	138.3 141.6	140.2 144.4
Machinery and equipment	120.7	123.0 120.3	122.9 121.9	123.0 121.5	123.1 121.3	123.1 120.5	123.1	123.0 119.6	123.0 119.5	123.0 119.5	123.0 119.3	123.1	123.1 118.7	123.2 118.4	123.5 118.9	123.5
Nonmetallic mineral products	114.7	117.2	117.2	117.4	117.3	117.3	117.3	117.2	117.1	117.2	117.4	7117.2	117.2	117.2	117.2	117.4
Pulp, paper, and allied products Rubber and plastics products	113.6	143.0 115.2	143.8 116.0	143.7 115.8	143.2 115.5	143.0 115.2	115.0	142.3 114.8	142.2 114.7	142.3 114.6	142.6 114.7	114.6	142.7 114.7	143.5 114.5	144.2 114.3	
Textile products and apparel Transportation equipment #	114.9	116.3 126.4	115.8 125.7	115.9 125.7	116.0 125.5	116.0 125.6		116.3 125.7	116.5 126.0	116.6 125.2	116.7 129.1	116.8 128.9	116.9 128.9	116.9 129.3	117.5 129.2	129.4
Motor vehicles and equipment		122.1	122.4	122.2	121.5	120.7	120.6	120.5	120.6	119.2	125.8	r 125.4	125.0	125.0	124.7	124.7
Seasonally adjusted: ‡ Finished goods, percent change from previous					ļ		, I		, ,					ł 1		
month or year	14.9	12.1	7	3	.2	2	2	2	.2	.2	.2	.1	1	3	.2	.2
By stage of processing: Crude materials for further processing			104.4	100.7	100.4	100.9	99.3	99.3	99.1	98.4	100.5	100.4	98.3	97.7	99.4	97.9
Intermediate materials, supplies, and components	1		115.8	114.5	114.1	114.0	114.2	113.8	114.1	114.3	114.0	114.0	113.9	113.3	113.9	113.9
Finished goods #			121.6 120.6	121.2 120.0	121.4 120.2	121.6 120.4	121.4	121.2 119.8	121.5 120.2	121.8 120.4	122.1 120.8	122.2 120.9	122.1	121.7	122.0 120.5	122.3
Finished consumer goods			124.8	124.9	125.3	125.0	124.7	124.0	123.4	123.3	123.3	123.1	122.9	120.1 122.5	123.8	123.2
Finished goods, exc. foods Durable			118.7 123.6	117.6 123.9	117.7 123.9	118.1 123.4	123.3	117.7 123.5	118.3 123.8	119.0 124.3	119.6 124.4	7124.6	124.8		119.0 125.3	125.6
NondurableCapital equipment			115.0 125.9	113.6 126.2	113.9 126.2	114.5 126.6	114.2	114.0 126.8	114.9	115.3 127.1	116.1 127.3	r 116.2	115.7	114.7 128.0	114.9 128.0	115.5
		}	'	2	120.2	.20.0	""	.20.0			,_,,	"-""				
PURCHASING POWER OF THE DOLLAR																
As measured by:	.839	.822 .734	.824	.827	.826 .739	.821 .737	.820	.822	.822	.824 .729	.818	.818	.820	.822	.820	.820
Producer prices, 1982=\$1.00																

Unless otherwise stated in footnotes below, data	noval						1991							1992		
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			3.	CONST	RUCTIO	N AND F	REAL ES	TATE								
CONSTRUCTION PUT IN PLACE ‡				·	;											
[Millions of dollars]	ŀ	:	4													
New construction (unadjusted), total Private, total #	446,434 337,777	r 403,955 r 295,187	27,105 20,394	29,216 22,044	32,467 24,120	34,483 25,162	36,043 26,144	36,978) 26,600	38,801 27,602	38,186 27,051	737,707 727,021	734,745 725,399	r 30,492 r 22.542	27,624 20,311	26,989 19,809	
Residential New housing units	182,856 127,987	, 160,561 , 110,792	9,625 6,643	10,991 7,527	12,192 8,048	13,608 8,894	14,838 9,739	15,266 10,461	15,952 11,007	15,611 11,067	15,482	714,446 10,418	7 12,085 7 8,763	710,925 8,157	10,448	
Nonresidential buildings, except farm and public utilities, total #	117,971 23,848	196,682 121,731	7,886 1,693	8,119 1,797	8,796 1,954	8,337 1,731	8,055 1,833	8,069 1,744	8,280 1,787	8,147 1,773	8,189 1,970	7,620 1,842	7,332 1,968	76,372 71,639	6,387 1,594	
CommercialPublic utilities:	62,862	r 47,994	3,921	3,994	4,392 786	4,239 767	4,029	4,100	4,280	4,144 746	3,994 814	3,637 818	3,316 707	r 2,874	2,959	
Telecommunications Public, total #	9,565 108,657	9,034	716 6,711	716 7,172	8,347	9,321	775 9,899	758 10,378	849 11,199	11,135	10,686	r9,346	7,950	632 77,312	7,180	
Buildings (excl. military) # Housing and redevelopment	45,825 3,733	749,315 73,548	3,509 282	3,613 287	4,063 283	4,106 307	4,167 298	4,620 294	4,795 284	4,610 324	74,417 7329	74,213 7301	73,851 282	73,734 289	3,812 276	
Industrial	1,433 2,732	1,828 1,879	114 144	121 156	141 152	152 160	181 155	169 147	195 149	234 188	132 198	134 152	7134 7223	136 173	161 189	
Highways and streets (Billions of dollars)	30,593	⁷ 29,012	1,177	1,415	1,913	2,669	2,918	3,147	3,648	3,381	3,402	2,388	1,795	r1,346	1,285	***************************************
New construction (seasonally adjusted at annual			410.1	401.9	407.1	399.0	398.2	398.4	403.2	407.0	r 408.8	r 405.5	r 400.8	r 407.9	406.2	
rates), total #			300.5	293.3	299.0	291.0	290.9	290.3	293.4	296.6	r 296.3	r 293.7	r291.2	r 294.7	292.6	
Residential			155.6 103.5	152.4 100.8	151.8 100.6	154.6 103.2	158.3 106.7	158.0 109.9	162.8 114.4	166.6 118.0	7166.9 7118.2	7166.5 7118.8	7165.4 7119.0	7168.6 7121.0	168.5 122.0	
Nonresidential buildings, except farm and public utilities, total #			107.0	103.8	108.9	99.0	94.3	94.1	92.0	91.8	191.3	r 88.7	788.0	²86.4	84.9	***************************************
			23.2 54.0	23.1 51.8	24.3 54.8	20.7 50.2	20.9 47.6	20.9 47.1	20.4 46.3	20.3 45.6	721.6 744.6	21.7 42.2	22.5 *40.8	, 22.2 , 39.9	21.7 39.3	
Public utilities: Telecommunications			10.1	9.1	9.7	8.6	9.4	8.9	9.2	8.7	r8.6	9.1	8.4	9.7		
Public, total #			109.6 48.2	108.6 48.4	108.0 49.6	108.0 48.9	107.3 46.8	108.1 50.2	109.7 50.1	110.4 50.4	7112.5 752.6	7111.8 751.2	′ 109.6 ′ 50.1	7113.3 751.1	113.6 51.2	
Housing and redevelopment			3.4 1.4 1.7	3.4 1.5	3.4 1.7	3.7 1.8	3.6 2.2	3.5 2.0	3.4 2.3	3.9 2.8	4.0 1.6	3.6 1.6	3.4 1.6	73.5 1.6	3.3 1.9	
Military facilities Highways and streets			1.7 30.7	1.9 30.0	1.8 28.6	1.9 29.2	1.9 28.8	1.81 28.9	1.8 30.0	2.3 28.6	1.2 - 29.0	71.8 28.7	°2.7 °29.0	r2.1 r29.3	2.3 31.8	
CONSTRUCTION CONTRACTS								1	i							
[Millions of dollars, unless otherwise indicated]							ł	Ì								
Construction contracts (F.W. Dodge Division, McGraw-Hill):																
Valuation, total	245,396 195	221,230 /88	714,396 85	16,276 86	20,929 93	20,713 789	19,552 82	21,283 88	21,558 92	19,411 86	22,738 96	15,083 81	16,277 197	16,077 *94	17,038	
Public ownership Private ownership	72,090 173,307	74,422 146,806	75,045 79,351	5,803 10,473	6,700 14,229	6,665 14,047	6,728 12,824	6,881 14,402	7,250 14,308	6,498 12,913	7,736 15,002	4,240 10,843	5,880 10,397	5,303 10,775	5,608 11,429	
By type of building: Nonresidential	90,240	76,898	r 5,867	5,747	7,076	6,778	6,412	6,940	7,454	6,218	8,337	5,103	5,819	5,635	5,649	
Residential	105,509 49,645	96,353 47,978	75,295 73,233	6,785 3,744	8,712 5,141	9,190 4,745	8,909 4,231	9,695 4,648	9,764 4,339	8,941 4,252	9,984 4,417	7,427 2,552	6,670) 3,788	6,891 3,551	7,258 4,130	
New construction planning (Engineering News- Record) §	213,389		8,136	10,619	9,229	17,726	9,433									
HOUSING STARTS AND PERMITS												1				
[Thousands]]	j	-			ł				!
New housing units started: Unadjusted:				}												
Total (private and public)	1,192.7 894.8	1,014.5	59.1	73.8	99.7 82.8	97.7 84.5	103.4 86.8	103.5	94.7 78.7	86.6 73.7	101.8	75.6 62.6	65.6 56.3	771.6 758.4	780.1 770.1	112.7 92.4
One-family structuresSeasonally adjusted at annual rates: ◊	094.0	841.2	46.1	61.4	1		- [87.4				- 1				
Total privately owned One-family structures			1,008 803	918 751	978 802	983 830	1,036 870	1,053 881	1,053 881	1,020 864	1,085 887	1,085 907	1,118 972	*1,180 *989	r1,283 r1,131	1,365 1,100
New private housing units authorized by building permits (17,000 permit-issuing places): †								ŀ							i	
Monthly data are seas. adj. at annual rates:	1,111	955 754	876 695	892	913	966	999	1,005	953 769	982 782	1,028 796	993 787	1,055 851	1,111 912	*1,166 *965	
One-family structures Manufacturers' shipments of mobile homes:	798	/54	1	689	742	760	780	794	ì							
UnadjustedSeasonally adjusted at annual rates @	188.3	170.9	10.9 *160	12.8 157	15.2 175	16.6 174	15.6 173	14.7 175	17.4 178	15.1 172	16.9 172	13.1 171	10.9 176	13.4 192	13.5 197	
CONSTRUCTION COST INDEXES																
Bureau of the Census, 1987=100:	110.1	110.9	110.6	110.6	110.6	110.8	111,1	111.3	111.2	111,4	*111.1	7110.9	r110.5	r 110.2	110.9	
Composite fixed-weighted price index * Implicit price deflator *	110.1 110.8	1111.4	111.0	111.0	111.0	111.1	111.5	111.8	111.9	112.1	7111.8		111.2	7111.0		
Boeckh indexes, 1987=100: †† Average, 20 cities:										4400		4400		440.0	4444	
Apartments, hotels, office buildings Commercial and factory buildings	108.7 110.6	112.0 114.2		110.9 112.7		111.2 113.0		112.2 114.4		112.9 115.6		113.0 115.7	,	113.9 116.4	114.1 116.6 115.4	
Residences Engineering News-Record, 1967=100:	109.7	113.0		111.7		112.1	••••••	113.3	***************************************	114.3		114.3		115.1		
Building Construction	400.0 440.5	407.2 450.1	402.1 444.4	402.0 444.3	401.0 443.7	403.1 447.0	404.6 448.6	408.1 451.9	413.3 455.4	412.3 455.3	412.3 455.4	413.2 455.8	412.1 455.1	412.0 455.1	410.8 454.7	
Federal Highway Adm.—Highway construction, 1987=100:																
Composite (avg. for year or qtr.) ‡‡	108.5	107.5		114.3			111.8			107.0		l	100.4	l		l

Unless otherwise stated in footnotes below, data	An	nual						1991						1992				
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.		
			3. CONS	STRUCT	ION AND	REAL 6	STATE	-Contin	ued									
REAL ESTATE ◊																		
[Thousands of units]																		
Mortgage applications for new home construction: FHA applications	115.4	98.0	6.7	8.2	9.4	10.5	8.8	10.1	7.4	7.1	8.7	6.6	6.5	7.2	7.5			
Seasonally adjusted annual rates	110.4	50.0	87	86	95	106	105	117	89	92	111	102	98	97	98	***************************************		
Requests for VA appraisals			6.9 87	6.0 60	6.4 69	8.4 80	8.3 92	7.1 83	6.7 74	8.1 120								
[Millions of dollars]																		
Home mortgages insured or guaranteed by: Fed. Hous. Adm.: Face amount Vet. Adm.: Face amount §	51,863.74 15,787.10	46,990.04	3,651.85 1,259.86	3,630.56 1,183.14	3,765.79 1,210.77	3,723.18 1,173.79	4,070.27 939.10	4,444.38 1,311.15	4,828.99 1,589.33	4,072.77 1,529.80	3,696.55	3,419.86	3,226.30	3,549.48	3,222.96	3,559.84		
Federal Home Loan Banks, outstanding advances to member institutions, end of period	117,096	79,065	111,513	107,004	102,827	98,744	94,740	91,525	90,142	83,946	80,143	78,784	79,065	75,085	75,834	76,275		
New mortgage loans of SAIF-insured institutions, estimated total @	² 152,230	² 143,674	8,081	11,097	13,600	14,252	13,300	r 12,739	12,239	10,591	r 12,373	r 12,125	r15.098	13,602	15,973			
By purpose of loan: Home construction	² 16,182	² 12,261	682	934	1,106	1,246	1,205	71,283	1,230	1,027	1,077	7880	10,000	781	824			
Home purchase All other purposes	2 127,272 2 8,776	2 125,594 2 5,819	6,980 419	9,688 475	12,007 467	12,468 536	11,498 597	10,967 494	10,552 456	9,051 513	10,883	710,879 365	13,602 583	12,424 397	14,771 379	***************************************		
All Oliver purposes infiliation	0,,,,0	0,0.0	4,0		لــــــا	STIC TR		101		0.0	,,,,				5,15			
	Γ				1. DOME	.0.10		i										
ADVERTISING [Millions of dollars]																		
Magazine advertising (Leading National Advertisers):				Ĭ														
Čost, total											***************************************							
Automotive, incl. accessories Building materials					······	***************************************					***************************************							
Drugs and toiletries									***************************************									
Beer, wine, liquors																***************************************		
Industrial materials		***************************************																
Smoking materials						***************************************				***************************************								
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.):			A 744			7.070			7 404									
Total	32,280 11,506 4,122	10,567 3,928	6,711 *2,260 *958			7,672 *2,566 *1,070			7,401 2,660 7933			3,081 967	***************************************		***************************************			
NationalRetail	16,652	15,914	73,513			4,075			73,819			4,507						
WHOLESALE TRADE †																		
[Millions of dollars] Merchant wholesalers sales (unadj.), total	1,790,321	1 720 642	130,923	144,696	147 526	151,460	142,711	147,164	148,417	145,418	157,659	141,694	141,863	r139,682	134,644			
Durable goods establishments	876,182 914,139	834,853	62,188 68,735	70,164	70.939		69,060 73,651	70,183 76,981	71,644 76,773	71,607 73,811	77,617 80,042	67,998	67,153 74,710	r 65.380	65,111			
Merchant wholesalers inventories, book value (non- LIFO basis), end of period (unadj.), total	195,861	197,428	200,356	198,017	196,316		190,525	191,427	188,557	189,023	194,670	195,354	197,428	199,395	199,949			
Durable goods establishments	126,560 69,301	125,920 71,508	131,344 69,012	130,016 68,001	129,997 66,319	127,981 64,762	125,687 64,838	127,149 64,278	125,480 63,077	123,980 65,043	123,926 70,744	124,219 71,135	125,920 71,508	126,722 172,673	127,535 72,414			
RETAIL TRADE ‡						İ												
[Millions of dollars] All retail stores:																		
Estimated sales (unadj.), total	1,807,219	1	128,589			1				1	152,113		180,980		139,667			
Durable goods stores #	654,757	644,963	45,320	52,909 6,976		58,949 9,282	56,669 8,701	57,277 8,787	56,724 8,556	53,567	54,213 8,283	51,857 7,345	58,253 7,032	r 48,909 r 6,393	750,641 76,784	457,277 48,019		
Automotive dealers	92,524 381,961	374,550	5,683 27,112 6,495	6,876 32,191 7,234	8,558 33,185	35,031	8,701 33,792 7,342	34,262	33,182	7,994 31,793 7,144	8,283 31,700 7,427		27,883 9,822	76,393 729,140 77,098	730,378	735,172		
Furniture, home furnishings, and equipment Nondurable goods stores	92,983 1,152,462	1,176,064	6,495 83,269	96,390	7,150 93,239	100,886	97,240	97,366	103,186	93,130	97,900	103,782	122,727	- 89,258	189,026	/95,150		
General merch, group stores	211,933 362,410	370,548	12,965 27,452	16,778 31,276	16,370 29,552	32,652	16,983 31,650	31,993	18,595 32,518		17,795 30,613	31,110	32,920 32,524	713,474 730,269		130,543		
Gasoline service stations	131,725 94,731	95,563	9,484 5,784	10,241 7,890	10,382 7,533	11,219 8,004	11,090 7,503	7,339	8,918	10,560 7,508	10,843 7,814	8,946	10,451 12,683	9,686 6,005	79,219 76,343	77,263		
Eating and drinking places Drug and proprietary stores	182,044 68,557	74.835	13,809 5,686	6,298	15,506 6,049	6,296	5,989	16,797 6,065	17,450 6,231	5,882	6,239	6,216	15,845 8,113	714,995 76,242	715,264 76,148			
Liquor stores	20,813	21,312	1,537 150,699	1,716 151,868	1,642 150,967	1	1,772 152,642	1,884 153,195	1,922 152,160	1,653 152,658	1,715 152,483	ı	2,218 152,440	*1,592 *155,657	1,598 157,711			
Durable goods stores #			53,088	53,943	I	1	54,212					54,247	54,687	r 56,178	1			
Bidg. materials, hardware, garden supply, and mobile home dealers #			77,597 75,412	77,571 75,463		5,666	5,752	5,805	5,750	7,791 5,797	7,711 5,783		7,859 5,919	78,207 76,085	6,563			
Hardware stores Automotive dealers			71,125 30,755	ι	1	1	1			1,074 31,943			1,048 32,155	71,144 732,794	1,155	1		
Motor vehicle and miscellaneous auto dealers	1		28,180	28,645	28,180	28,628	28,885	28,593	28,119	29,352	29,586	29,414	29,637	30,232	30,882	/ 30,998		
Auto and home supply stores Furniture, home furnishings, and equipment #			2,575 7,471		2,669	1		2,645 7,680	1		2,543 7,430		1	r 2,562 r 7,747				
Furniture, home furnishings, and equipment # Furniture, home furnishings stores Household appliance, radio, and TV stores			4,091 2,687	4,088	4,114	4,124	4,034	4,121	4,088	4,063	4,034	4,012	4,088	r 4,166	4,240	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Unless otherwise stated in footnotes below, data	Ar	nual						1991							1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		·		4. DOM	MESTIC 1	TRADE-	-Continu	ied								
RETAIL TRADE ‡Continued																
[Millions of dollars—Continued] All retail stores—Continued																
Estimated sales (seas. adj.)—Continued Nondurable goods stores			r 97,611	r97.925	97,477	98,636	98,430	99,078	98,770	98,039	97,826	98.258	97,753	r 99,479	r100.336	199.627
Department stores excluding leased			17,946	18,060	18,093	18,324	17,925	18,541	18,393	18,285	18,119	18,253	17,849	19,116	r 19,527	18,942
departments Variety stores		***************************************	714,650 7591	r 14,673 r 594	14,710 600	14,864 607	14,456 595	15,044 600	14,932 599	14,863 591	14,785 577	15,002 590	14,664 579	715,551 7614	*15,899 628	¹ 15,403
Grocery stores			730,548 728,572	730,884 728,920	30,660 28,686	31,125 29,087	31,251 29,116	30,991 28,934	30,825 28,778	30,941 28,908	30,882 28,857	30,970 28,958	31,120 29,077	731,150 729,126	731,046 729,035	/31,171 /29,133
Apparel and accessory stores #			r 10,952 r 7,965	* 10,814 * 7,893	10,497 8,103	10,746 8,147	10,663 8,074	10,618 8,188	10,735 8,155	10,476 7,982	10,466 7,873	10,620 7,887	10,378 7,845	710,315 78,078	*10,289 *8,277	10,208 18,070
Men's and boys' clothing and furnishings stores			7779	7775	794	787	755	750	768	779	754	757	750	⁷ 783	791	
furriers			*2,699 *1,522	r 2,712 r 1,470	2,801 1,501	2,836 1,484	2,807 1,455	2,828 1,510	2,787 1,518	2,746 1,454	2,732 1,427	2,715 1,413	2,665 1,418	^2,688 ^1,463	2,772 1,509	
Eating and drinking places Drug and proprietary stores			7 15,603 7 6,154	15,560 6,285	15,615 6,243	15,791 6,227	15,955 6,245	15,816 6,285	15,907 6,281	15,648 6,271	15,851 6,328	16,007 6,298	16,301 6,363	16,334 6,382	716,609 76,438	16,519 16,516
Liquor stores Estimated inventories, end of period:			1,819	1,833	1,783	1,769	1,760	1,794	1,822	1,774	1,788	1,781	6,363 1,642	1,765	1,798	
Book value (non-LIFO basis), (unadjusted), total Durable goods stores #	237,352 121,195	240,297 119,199	236,816 119,389	235,947 116,856	236,440 116,894	235,386 117,072	232,348 115,004	232,148 112,816	233,296 111,399	241,114 114,739	255,325 120,137	259,288 122,561	240,297 119,199	r234,735 r115,494	237,936 117,624	
Bldg. materials, hardware, garden supply, and mobile home dealers	15,782 65,292	16,321 62,367	16,241 63,807	16,831 60,975	16,639 60,163	16,848 60,134	16,709 58,508	16,319 56,415	16,304 54,433	16,221 55,799	16,141 59,289	16,269 61,216	16,321 62,367	r 16,477 r 59,922	17,276 61,246	
rurniture, nome turnisnings, and equipment	16,843	16,943	16,386	16,405	16,874 119,546	16,795	16,664	16,562	16,609	17,399	18,464	18,563	16,943	16,437	16,313	***************************************
Nondurable goods stores #	116,157 40,348	121,098 42,877	117,427 42,030	119,091 43,220	43,580	118,314 42,593	117,344 42,069	119,332 43,344	121,897 44,448	126,375 47,364	135,188 52,300	136,727 52,849	121,098 42,877	r 42,817	120,312 43,249	***************************************
departments Food stores	31,946 25,249	34,759 26,423	33,194 24,757	34,370 25,099	34,839 24,980	34,017 25,243	33,475 25,282	34,466 24,950	35,344 24,852	37,843 25,073	42,132 26,152	42,809 26,715	34,759 26,423	734,810 725,521	25,262	
Apparel and accessory stores Book value (non-LIFO basis), (seas. adj.), total	18,021 241,860	17,794 244,767	18,771 7241,082	19,138 236,900	19,304 236,696 116,087	18,954 236,204	18,706 235,098	19,280 235,994 114,754	20,156 236,757 115,279	20,835	21,539 241,955 118,172	21,628 242,186 117,735	17,794 244,767	717,472 7242,426 7116,529	18,681 242,431	
Durable goods stores #	120,488 16.422	118,327 16,948	7119,189 16,241	116,041	16,087	115,490 16,107	114,305	16,286	16,452	117,437 16,518	16,606	16,807	118,327 16,948	116,529	117,569	
Automotive dealers Furniture, home furn., and equipment	62,970 17,048	59,901 17,131	61,822 16,963	59,357 16,723	58,921 17,166	58,461 17,103	57,390 17,039	57,688 17,022	58,327 16,709	59,631 17,058	60,472 17,128	59,988 17,140	59,901 17,131	58,889 16,910	59,400	
Nondurable goods stores #	121,372 43,919	126,440 46,660	121,893 44,318	120,859 43,820	120,609 43,684	120,714 43,905	120,793 44,171	121,240 44,465	121,478 44,567	122,308 45,034	123,783 45,545	124,451 45,599	126,440 46,660	125,897 147,059	124,862 45,591	
Department stores excluding leased departments	34,686	37,700	34,868	34,752	34,700	34,925	35,163	35,569	35,737	36,283	36,764	36,714	37,700	738,211	37,064	
Apparel and accessory stores	24,992 19,847	26,132 19,619	*25,141 *19,759	25,273 19,569	25,246 19,558	25,336 19,380	25,334 19,405	25,226 19,222	25,307 19,214	25,293 19,436	25,431 19,317	25,680 19,520	26,132 19,619	, 25,615 , 19,609	25,677 19,664	
Firms with 11 or more stores: Estimated sales (unadj.), total	661,323	7705,499	47,817	57,230	54,982	59,740	57,115	56,728	61,046	55,073	58,428	64,832	r 83,280	51,918		
Durable goods stores	81,101 8,620	783,587 78,919	5,213 582	6,236 698	6,626 747	7,244 795	6,948 794	7,045 823	7,130 826	6,622 754	6,849 817	7,421 756	710,988 7716	6,123 675		
Nondurable goods stores # General merchandise group stores	604,750 180,423	7621,912 7199,860	42,604 11,903	50,994 15,399	48,356 14,934	52,496 16,504	50,167 15,521	49,683 14,688	53,916 17,055	48,451 14,785	51,579 16,319	57,411 20,732	72,292 730,745	45,795 12,263		
Grocery stores	202,872 198,620 50,189	7190,180 7205,821 755,396	15,629 15,386	17,846 17,570 4,616	16,488 16,264 4,284	18,173 17,940 4,602	17,458 17,240 4,287	17,718 17,494 4,149	18,121 17,898 5,202	16,590 16,382	17,337 17,115 4,534	17,786 17,546 5,414	, 18,592 , 18,166 , 7,733	17,480 17,230 3,314		
Apparel and accessory stores Eating places Drug stores and proprietary stores	45,964 40,591	746,459 746,055	3,217 3,418 3,457	3,933 3,864	3,812 3,597	4,005 3,787	4,050 3,639	4,028 3,686	4,173 3,832	4,319 3,851 3,624	3,966 3,814	3,876 3,862	3,832 5,443	3,710 3,817		
Estimated sales (sea. adj.), total Auto and home supply stores			58,497 741	58,583 718	58,317 741	58,895 740	58,573	59,455 753	59,292 756	59,187 761	58,994 752	59,236 747	758,794 741	60,703 798		
Department stores excluding leased departments Variety stores			14,454 465	14,308 455	14,308 453	14,412 455	14,033 441	14,633 447	14,521 445	14,431 437	14,410 431	14,590 441	r 14,236 r 432	15,189 459		
Apparel and accessory stores			16,945 4,647	17,209 4,536	16,942 4,649	17,184 4,717	17,240 4,608	17,168 4,725	17,177 4,641	17,299 4,626	17,218 4,628	17,236 4,640	r 17,301 r 4,574	17,247 4,763		
Women's clothing, specialty stores, and furriers			1,594 971	1,603 920	1,652 965	1,689 945	1,649 922	1,645 946	1,594 953	1,636 913	1,617 911	1,636 910	1,586 1884	1,675 921		
Drug stores and proprietary stores			3,786	3,849	3,778	3,757	3,806	3,872	3,898	3,918	3,948	3,929	r 3,953	3,951		
	I		5. LABO	OR FOR	CE, EMP	LOYME	NT, AND	EARNIN	IGS		<u>-</u>	 1				
LABOR FORCE AND POPULATION				,												
[Thousands, unless otherwise indicated] Not seasonally adjusted:											ļ				}	
Noninstitutional population, persons 16 years of age and over	189,686 126,424	191,329 126,867	190,717 125,672	190,703 125,903	190,836 126,183	190,980 126,315	191,173 128,559	191,443 128,931	191,589 127,713	191,746 127,029	191,903 127,182	192,057 127,001	192,209 126,712	192,358 126,671	192,469 126,971	192,607 127,382
Resident Armed Forces	1,637	1,564	1,602	1,460	1,456	1,458	1,505	1,604	1,616	1,624	1,614	1,605	1,604	1,599	1,585	1,585
Civilian noninstitutional population Civilian labor force, total Employed	188,049 124,787 117,914	189,765 125,303 116,877	189,115 124,070 115,151	189,243 124,443 115,639	189,380 124,727 116,678	189,522 124,857 116,624	189,668 127,054 118,280	189,839 127,327 118,751	189,973 126,097 117,859	190,122 125,405 117,335	190,289 125,568 117,555	190,452 125,396 117,110	190,605 125,108 116,549	190,759 125,072 115,122	190,884 125,386 115,224	191,022 125,797 116,106
Unemployed	6,874	8,426	8,919	8,804	8,049	8,233	8,774	8,576	8,237	8,070	8,013	8,286	8,559	9,949	10,161	9,691
Seasonally adjusted: Civilian labor force, total	66,4	66.0	125,067 66.1	125,250 66.2	125,644 66.3	125,259 66.1	125,524 66.2	125,204 66.0	125,004 65.8	125,590 66.1	125,508 66.0	125,374 65.8	125,619 65.9	126,046 66.1	126,287 66.2	126,590 66.3
Employed, total Employment-population ratio,			116,937	116,834	117,388	116,730	116,909	116,729	116,484	117,089	116,867	116,772	116,728	117,117	117,043	117,348
percent †	62.7 3,186	61.6 3,233	61.8 3,237	61.7 3,124	62.0 3,187	61.6 3,256	61.6 3,286	61.5 3,244	61.3 3,254	61.6 3,283	61.4 3,204	61.3 3,272 113,500	61.2 3,183	61.4 3,166	61.3 3,232	61.4 3,194
Nonagriculture Unemployed, total	114,728	113,644	113,700 8,130	113,710 8,416	114,201 8,256	113,474 8,529	113,623 8,615	113,485 8,475	113,230 8,520	113,806 8,501	113,663 8,641	8,602	113,545 8,891	113,951 8,929	9,244	114,155 9,242
Long ferm, 15 weeks and over	1,5041	2,323	1,9851	2,1441	2,1801	2,213	2,4881	2,3551	2,417	2,4221	2,570	2,6231	2,843	3,0591	3,2041	3,185

Searching squared commons Share	,	1992							1991						iual	Anr	Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown
LaBOR PORCE—Continued	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.							1			1990	
Seasonally editabled \(\) - Continued Chromopole \(\) -			· · ·				d I	ontinue	NGS-C	D EARN	ENT, AN	PLOYM	RCE, EM	BOR FOI	5. LA	r	
Continuit bior from-Continued Nemery Continued	İ		ł	1			1	Į			ļ			ļ	l		
All christ works of the component of the	İ							l			}						Civilián labor force—Continued Unemployed—Continued
Women, 20 years and over 1.55 15.5 1	7.3 6.9	7.3 7.0	6.9	7.1 6.6	6.4			6.8 6.5			6.8 6.4	6.6 6.2		6.5 6.2	6.7 6.3	5.5 4.9	All civilian workers
Back	6.1	6.1 20.0	5.9 18.3	6.1 19.3	5.9 18.7	5.8	5.6	5.7 19.0	5.4	5.7	5.7 18.9	5.5	5.6	5.4	5.7	4.81	Women, 20 years and over
## windesty of last job chard wings and Private workers		6.5 13.8	13.7	6.3 12.7	6.2 12.3	12.8	12.3	12.4	11.9	12.7	6.0 12.8	5.8 12.5	12.3	11.9	12.4	113	Black
Montaching 1	11.6 4.8 5.0	11.6 5.0 4.8	11.3 4.8	4.7	10.2 4.5	10.5 4.2	4.5	4.4	4.4	9.9 4.6	4.4	9.2 4.3	10.0 4.4	9.5 4.2	4.4	8.0 3.4	Married men, spouse present
Privide conspicultural wage and stays workers 157 70 58 71 151		9.5	9.0		9.1	9.4	9.0			9.1	9.2	9.6				8.2	Women who maintain families
Durable proteins 5.8		7.6	7.4	7.4	7.2		7.0	7.1		7.2		6.9	7.1				Private nonagricultural wage and salary workers
Not seasonally adjustant: Control of the processional specially 2.1 2.8 2.4 2.5 2.4 2.5 2.4 2.8 2.9 3.1 3.3 3.1 2.9 2.6 2.6 2.9 3.1 3.2 2.1 2.6 2.6 2.9 3.1 3.2 2.1 2.8 2.4 2.5 2.4 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8		17.4 7.6 7.7	7.0	7.2 7.3	7.4 7.1	7.0	15.7 6.9 7.0	7.2 7.4	7.1	7.7 8.0	7.4	7.4) 8.01	14.3 7.4 7.9	7.2	15.4 7.2 7.5	5.8	Manufacturing
Cocigation: Managerial and professional specialty Technical, sales, and administrative Technical, sales, and administrative Service coccupations 4.2 5.1 5.2 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7		11.7		11.5					11.5		11.3		13.0	11.3	11.6	9.7	Agricultural wage and salary workers
Technical, sales, and administrative 4	2.9	3.0	2.9	2.6	2.6	2.9	3.1	3.3	3.1	2.9	28	2.4	25	24	28	2.1	Occupation:
Companies Section Se	5.7	6.0	6.0	5.2	5.1	5.1	1	5.1	5.0	5.1	5.2	4.9	5.2		5.1	4.2	Technical, sales, and administrative support
Employees on norfarm payrolis by industry:	11.2	8.2 12.0 13.7	11.3	8.3	8.2 7.7	6.9	7.6 7.1	7.1 7.1	7.2	7.5 7.2	7.6	8.2)	8.8	9.6	7.9	5.8	Precision production, craft, and repair
Employees on nonfarm payrolls by industry: 109,971 109,981 107,887 108,147 108,590 90,493 91,294 91,145 91,145 91,649 90,548 89,204 89,373 89,825 90,893 91,294 91,145 91,14	12.6 8.9	11.0	11.3	8.8		7.2	6.8	6.8		5.8		6.4				6.2	
Emblysees on nonfarm payrolis by industry: Total not adjusted: Total control agriculture of the control of the	ĺ			- }		}			j	İ		•				.	
Private sector (excl. government)							l	}	1								Employees on nonfarm payrolls by industry:
Total employees, nonfarm payrolls	P 108,054 P 89,13	107,595 88,779	r 107,333 r 88,852		109,822 90,952					109,836 91,294							Total, not adjusted for seas. variation
Nonmanufacturing industries 72,538 72,122 72,239 72,052 71,916 72,021 72,051 72,037 72,115 72,228 72,237 72,037 72,073	P 108,880	108,867		108,882	108,843		109,066	108,971				108,736		109,160	108,981		Total employees, nonfarm payrolls
Minning	P 72,08	790,356 772,104 723,490	72,003	72,075	72,037	72.229	72,228	72.115	72,037	72,051	72,021	71,916	72,052	72,239	72,122	72,538	Nonmanufacturing industries
Manufacturing		664 4,574	666	670	674	679	684	693 4,691	701	704	706 4,715	710	714	715	697	711	Mining
Lumber and wood products		18,252 10,386	18,238			18,377		18,442 10,553	18,402	18,378	18,426	18,396	18,443	18,532	18,426	19,111	Manufacturing
Fabricated metal products	P 70	* 704 477	7697 478	697 478	697 479	698 481	696 482	4831	699 478	696 483	697 483	692 481	692 479	696 482	697 481	741 510	Lumber and wood products Furniture and fixtures
Industrial machinery and equipment 1,673 1,990 1,991 1,993 1,991 1,994 1,990 1,984 1,980 1,981 1,995 1,994 71,939 1,991 1,991 1,994 1,989 1,991 1,991 1,994 1,989 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 1,589 1,958 1,958 1,958 1,955 1,944 71,939 1,995 1,994 71,939 1,995 1,994 71,939 1,995 1,994 71,934 1,995 1,994 71,914 1,995 1,994 71,914 1,995 1,994 71,914 1,995 1,995 1,994 1,995	P 70	514 7702 71,340	r 703	708	709	713	522 719	523 722	721	718	721	521 723	520 724	726	521 720	557 756	Primary metal industries
Transportation equipment 1,980 1,856 1,859 1,846 1,866 1,861 1,866 1,861 1,865 1,861 1,865 1,861 1,865 1,861 1,865 1,861 1,865 1,8	P 1,93	1,936 1,559	71,938 71,565	1,944 1,568	1,955 1,572	1,968	1,980 1,581	1,980 1,585	1,984	1,990 1,594	2,003 1,599	2,007 1,597	2,024 1,599	2,036 1,611	1.590	2,095	Industrial machinery and equipment
Nondurable goods	P 1,84	*1,842 *947	*1,812 *951	1,840 949	1,853 958	1,850 964	1,861 967	1,868 966	1,861 968	1,845 969	1,863 973	1,846 976	1,846 978	1,859 982	1,856 969	1.980	Transportation equipment
Tobacco manufactures	P 7,86	7365 77,866	7,871	7,879	7,880	7.884	7 883	7,889	7.856	7,844	7.851	7,836	7,859	7.880	7,870		Nondurable goods
Apparel and other textile products 1,043 1,024 1,010 1,009 1,005 1,013 1,017 1,032 1,031 1,034 1,039 1,043 1,042 71,037	P 4	71,670 748 7675	49	48	47	48	49(50	49	48	48	48	48	49	48	49	Food and kindred products Tobacco manufactures
Printing and publishing 1,574 1,557 1,553 1,548 1,542 1,540 1,531 1,532 1,531 1,530 1,528 1,524 1,524 1,521 1,55 1,093 1,093 1,093 1,093 1,093 1,093 1,093 1,093 1,093 1,094 1,095 1,096 1	° 1,03	71,038 689	71,037 7690	1,042 690	1,043 691	1,039 691	1,034 692	1,031 692	1,032 689	1,017 687	1,013 690	1,005	1,009 693	1,010	1,024	1.043	Apparel and other textile products
Rubber and misc. plastics products. 889 859 851 852 849 854 857 861 862 863 862 662	P 1,09	1,514	1,092	1,091	1.092	1,092	1,090	1,088	1 084	1.086	1.086	1.089	1,548 1,091	1,553 1,093	1,537 1,089	1,574 1,093	Printing and publishing Chemicals and allied products
Service-producing 85,014 85,163 85,121 85,025 84,942 85,040 85,093 85,061 85,145 85,269 85,346 85,248 85,330 * 65,254 7 85,3 Transportation and public utilities 5,825 5,824 5,824 5,824 5,814 5,819 5,809 5,809 5,809 5,829 5,828 5,816 5,811 * 5,794 * 5,84 * 6,021 6,051 6,068 6,068 6,068 6,064 6,050 6,049 6,047 6,034 6,023 * 6,007 * 5,829 Retail trade 19,683 19,346 19,346 19,378 19,324 19,339 19,345 19,343 19,343 19,348 19,227 19,162 * 19,162	P 86	865 118	r862	862	863	864	862	861	857 1231	854	854	159 849 120	852 121	861	158 859 120	158 889	Rubber and misc. plastics products
Wholesale trade	P 85,39	785,377 75,800	r85.254	85,330	85,248	85,346	85,269	85,145	85,061	85,093	85,040	84,942	85.025	85,121	85,163	85,014	Service-producing
Finance incurance and real actors 6700 6700 6700 6700 6700 6700 6700 670	P 5,98	75,996 719,292	6,007 19,168	6,023 19,224	6,034 19,227	6,047 19,288	6,049 19,338	6,050 19,343	6,064 19,347	6,068 19,345	6,085 19,339	6.086	6,105 19,378	6,119 19,464	6,072 19,346	6,205 19,683	Wholesale tradeRetail trade
Saniras 28 2401 28 7791 28 5831 28 5761 28 5451 28 7121 28 7331 28 8311 28 9371 29 0191 29 0081 29 0571 22 0731 29	P 29,08	*6,702 *29,076 *18,511	29.073	29,057	29 008	6,697 29,019	6,692 28,937		6,688 28,733	28.712	6,712 28,645	28 576	6,735 28,576	6,732 28,583	6,708 28,779	6,739 28,240	
Federal 3,085 (2,966 2,951 2,951 2,953 2,952 2,971 2,963 2,967 2,979 2,983 2,982 2,996 7,2983 2,981 2,982 2,996 4,000 2,	P 2,98	2,978 4,348	′ 4,351)	2,986 4,338	2,982 4,341	2,983 4,332	2,979	2,967	2,963 4,338	2,971 4,359	2,952 4,348	2,953 4,352	2,951 4,359	2,951 4,354	2,966 4,345	3,085	Federal
State 4,303 4,345 4,359 4,352 4,348 4,359 4,338 4,337 4,328 4,332 4,341 4,338 74,351 74,351 11,084 11,097 11,119 11,140 11,126 11,119 11,110 11,117 11,152 11,146 11,190 11,185 11,18 Production or nonsupervisory workers on private	P11,22	r 11,185	11,185	11,190	11,146	11,152			11,119	11,126	11,140	11,119	11,097	11,084	11,123	10,934	Local
nonfarm payrolls, not seas, adjusted		771,638 712,217		73,627 12,396		73,782 12,554						72,530 12,327				74,254 12,974	nonfarm payrolls, not seas, adjusted
		773,127		73,103	73,125	73,302	73,338	73,265	73,196	73,147	73,121	72,983	73,172	73,378	73,238	74,254	nonfarm payrolls
Mining 510 496 512 511 509 503 500 499 490 484 481 476 474 470 4	P 46	16,308 7468 73,477	r 470	474	476	481	484	490	499]	500	503	509	511	512	496	510	Mining
Manufacturing	P 12,37	712,363 6,875	712,337 76,844	12,376 6,883	12,404 6,909	12,435 6,933	12,456 6,954	12,488 6,983	12,448 6,971	12,410 6,943	12,429 6,964	12,403 6,948	12,424 6,956	12,488 7,000	12,447 6,962	12,974	Manufacturing
Lumber and wood products	7 P 57	7577 7375 7396	571 7376	571 376	572 377	573 379	571 379	574 379	573 375	570 379	570 378	566 377	564 375	569 377	571 378	610 403	Furniture and fixtures
Primary metal industries	P 52	*529	r 529	534	534	538	542	545	544	541	544	544	546	548	543	574	Primary metal industries
Industrial machinery and equipment 1,259 1,185 1,215 1,209 1,198 1,191 1,183 1,177 1,179 1,176 1,168 1,155 1,152 1,146 1,155 1,001 1,007 1,000 1,001 1,005 1,004 1,005 1,004 997 994 993 991 7990 79	P 1,15	71,149 7986	1,146 1990	1,152 991	1,155 993	1,168 994	1,176 997	1,179 1,004	1,177 1,005	1,183 1,004	1,191 1,005	1,198 1,001	1,209	1,215 1,007	1,185 1,001	1,259 1,055	Industrial machinery and equipment Electronic and other electrical equipment
Transportation equipment	5 <i>P</i> 46	, 465	r 465	464	467	466	468	471	1,163 474	1,139 475	1,148 478	1,130 481	1,125 485	1,135 484	474	1,218 498	Transportation equipment

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown	Annua	al						1991							1992	
in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		5. LA	BOR FOI	RCE, EM	IPLOYMI	ENT, AN	D EARN!	NGS-C	ontinue	d						
EMPLOYMENT §—Continued [Thousands] Seasonally adjusted—Continued																!
Production or nonsupervisory workers—Continued Nondurable goods Food and kindred products Tobacco manufactures Textile mill products Apparel and other textile products Paper and allied products Printing and publishing Chemicals and allied products Petroleum and coal products Rubber and misc. plastics products Leather and leather products Service-producing	5,603 1,200 36 593 874 524 873 603 103 688 109	5,486 1,210 36 571 856 520 846 584 102 659 98 56,711	5,488 1,213 36 565 843 522 855 592 102 660 100 56,720	5,468 1,213 35 564 842 521 851 591 102 651 98 56,638	5,455 1,207 35 565 840 519 849 591 103 649 97 56,506	5,465 1,211 36 570 847 519 844 585 102 654 97 56,591	5,467 1,213 36 571 850 517 841 583 103 656 97 56,640	5,477 1,197 36 575 867 517 845 580 103 658 99 56,661	5,505 1,220 38 574 863 521 843 583 103 662 98 56,702	5,502 1,216 37 574 865 521 845 580 103 663 98 56,807	5,502 1,211 36 577, 869 520 844 581 102 665 97 56,809	5,495 1,208 35 576 874 520 840 577 102 665 98 56,759	5,493 1,208 36 578 872 520 840 576 102 664 97 56,759	75,493 1,212 37 7576 7868 519 7840 7576 103 7665 97	75,488 71,211 36 578 868 7518 836 7575 103 667 96	P 5,488 P 1,209 P 36 P 580 P 866 P 519 P 836 P 575 P 103 P 667 P 97
Transportation and public utilities Wholesale trade Retail trade Finance, insurance, and real estate Services	4,835 4,985 17,434 4,884 24,646	4,839 4,868 17,079 4,845 25,081	4,840 4,904 17,202 4,863 24,911	4,834 4,894 17,132 4,862 24,916	4,825 4,879 17,072 4,851 24,879	4,834 4,878 17,083 4,854 24,942	4,825 4,864 17,081 4,851 25,019	4,834 4,861 17,078 4,837 25,051	4,836 4,843 17,067 4,826 25,130	4,847 4,850 17,061 4,829 25,220	4,843 4,844 16,990 4,827 25,305	4,842 4,838 16,951 4,837 25,291	4,836 4,828 16,934 4,835 25,326	74,833 74,814 716,874 74,838 725,387	74,835 74,803 716,978 74,847 725,356	P 4,839 P 4,798 P 16,977 P 4,858 P 25,363
AVERAGE HOURS PER WEEK § [Hours]																
Seasonally adjusted: Average weekly hours per worker on private nonfarm payrolls: 0 Not seasonally adjusted Seasonally adjusted Mining Construction \$\frac{1}{2}\$ Manufacturing: Not seasonally adjusted Seasonally adjusted Seasonally adjusted Overtime hours Durable goods Overtime hours Lumber and wood products Furniture and faxtures Stone, clay, and glass products Primary metal industries Fabricated metal products Industrial machinery and equipment Electronic and other electrical equipment Instruments and related products Miscellaneous manufacturing Nondurable goods Overtime hours Food and kindred products Tobacco manufactures \$	34.5 44.1 38.2 40.8 3.6 41.3 3.7 40.2 39.1 42.0 41.1 39.5 40.0 3.6 41.3 39.5 40.0 36.4 41.1 39.5 40.0 36.4 41.3 39.1 42.7 41.3 41.3 42.0 41.1 39.5 40.0 36.4 40.8 40.	34.3 44.4 38.1 40.7 3.6 41.1 3.5 40.0 38.9 41.7 42.2 41.7 40.7 41.9 41.0 39.6 39.1 40.6 39.1 40.6 39.1 40.6 39.1 40.6 39.1 40.6 39.1 40.6 39.1 40.6 39.1 40.6 39	33.9. 34.3 34.9 37.0 39.9 40.3 3.3 30.7 41.5 40.7 41.5 40.6 33.4 40.6 33.4 40.6 37.6 42.4 43.9 38.4 40.6 37.9 28.6 35.8	34.0 34.2 44.6 37.2 40.1 40.3 3.3 40.6 41.5 40.8 4	34.0 34.0 34.0 37.8 40.1 40.2 3.3 39.2 38.9 41.3 40.6 41.0 40.8 39.2 39.7 31.3 40.6 41.0 40.8 39.7 33.4 40.7 34.6 40.7 35.6 36.4 40.7 37.9 28.6 37.9 28.6 32.2	34.2 34.3 34.9 38.2 40.3 40.8 33.3 39.7 38.9 41.5 40.6 41.2 40.8 39.3 39.7 39.7 41.5 40.6 41.2 40.8 39.3 39.7 41.5 40.6 41.2 40.6 41.2 40.6 41.2 40.6 41.2 40.6 41.2 40.6 41.2 40.6 41.2 40.6 40.6 40.6 40.6 40.6 40.6 40.6 40.6	34.7 34.6 45.0 38.7 40.8 3.7 41.3 3.7 41.8 40.7 42.1 41.8 40.7 42.1 41.8 40.7 42.1 41.8 40.7 42.1 41.8 40.7 42.1 41.8 40.8 36.9 40.8 40.8 40.8 40.8 40.8 40.8 40.8 40.8	34.5 34.1 43.9 38.6 40.4 40.7 3.7 41.2 3.7 41.9 42.6 40.6 40.1 37.0 43.6 40.4 39.6 40.1 37.0 43.6 43.6 43.6 43.6 43.6 43.6 43.7 43.6 43.6 43.6 43.6 43.6 43.6 43.6 43.6	34.7 34.3 44.5 38.7 40.9 41.0 3.8 41.4 38.8 40.2 39.1 41.6 42.0 40.8 42.4 41.0 40.1 38.4 41.4 37.3 43.5 43.6 41.4 37.3 43.5 43.6 43.6 43.0 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40	34.7 34.5 34.1 39.0 41.4 41.0 3.7 40.5 39.1 42.8 41.3 40.2 40.3 41.3 40.3 41.3 40.3 41.3 40.3 41.3 40.3 41.3 40.3 41.3 40.3 41.3 40.3 40.3 40.3 40.3 40.3 40.3 40.3 40	34.4 34.3 39.1 41.1 40.9 3.7 41.4 3.7 40.0 39.1 41.8 40.6 41.8 40.6 42.5 40.9 39.8 40.4 33.8 40.2 41.3 37.4 43.7 43.7 43.7 43.7 43.7 43.7 43	34.3 34.4 44.1 37.7 41.3 41.0 3.7 40.5 38.9 41.5 42.5 41.8 41.1 42.4 41.2 39.7 40.5 38.5 41.5 38.5 41.5 38.5 41.5 38.1 43.4 44.5 38.1 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43.5	34.7 34.5 43.9 37.8 41.7 41.1 3.8 40.6 39.7 42.0 42.6 41.9 41.2 41.9 40.0 40.5 39.4 41.5 37.5 43.5 43.5 43.5 43.5 43.5 43.5 43.5 43	33.8 34.2 43.4 36.6 40.8 3.6 41.2 3.5 40.4 41.7 41.0 41.5 40.9 39.6 40.3 3.7 41.0 41.0 37.5 39.1 41.0 37.5 43.2 41.4 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 37.9 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6	734.2 734.6 744.0 36.5 40.6 41.1 73.7 741.6 39.8 741.9 742.9 41.3 39.8 40.5 738.0 738.0 741.2 741.1 741.9 741.3 741.9 74	734.3 734.6 744.1 737.2 740.1 741.9 74
AGGREGATE EMPLOYEE-HOURS § [Billions of hours] Seasonally adjusted: Employee-hours, wage and salary workers in nonagric establishments, for I week in the month, seas adj. at annual rate Total private sector Mining Construction Manufacturing Transportation and public utilities Wholesale trade Retail trade Finance, insurance, and real estate Services Government	203.58 166.88 1.63 10.21 40.51 11.81 12.29 29.47 12.57 48.39 36.70	201.04 164.08 1.61 9.29 39.02 11.72 12.03 28.78 12.50 49.13 36.95	201.30 164.35 1.67 9.57 38.97 11.77 12.06 28.95 12.55 48.82 36.95	200.71 163.69 1.66 9.25 38.77 11.74 12.10 28.82 12.56 48.80 37.03	199.66 162.66 1.63 9.24 38.66 11.68 11.99 28.54 48.55 37.00	200.76 163.90 1.65 9.34 38.81 11.73 12.09 28.86 12.49 48.93 36.86	201.73 164.87 1.63 9.33 38.96 11.76 12.12 29.07 12.64 49.35 36.86	199.81 162.99 1.60 9.28 38.99 11.66 11.95 28.57 28.57 48.65 36.82	200.94 164.32 1.60 9.25 39.23 11.71 12.02 28.77 12.47 49.28 36.62	202.10 165.16 1.57 9.36 39.17 11.82 12.02 28.96 12.61 49.65 36.95	201.13 163.86 1.56 9.30 39.05 11.69 11.98 28.49 12.36 49.43 37.27	201.21 163.99 1.55 8.99 39.03 11.64 11.96 28.79 12.46 49.56 37.22	201.48 164.44 1.53 9.12 38.97 11.66 11.96 28.69 12.64 49.86 37.04	7200.34 7163.05 71.50 9.09 738.69 711.58 11.90 728.41 12.45 749.44 737.29	7202.55 7164.95 71.51 738.92 711.69 729.19 729.19 749.96 737.60	P 202.12 P 164.81 P 9.01 P 38.90 P 11.67 P 11.96 P 28.96 P 12.75 P 50.07 P 37.32
[1982=100] Indexes of employee-hours (aggregate weekly); ♦ Private nonfarm payrolls, total Goods-producing Mining Construction Marufacturing Durable goods Nondurable goods Service-producing Transportation and public utilities Wholesale trade Retail trade Finance, insurance, and real estate Services	123.7 109.8 64.1 138.3 106.6 105.5 108.2 130.0 115.1 116.3 123.6 120.8 145.6	121.4 103.7 62.7 123.8 102.2 99.2 106.2 129.4 114.3 113.7 120.2 119.7	121.5 104.0 65.4 126.9 101.6 98.8 105.5 129.4 114.3 114.2 121.1 120.2 146.9	120.9 102.7 65.0 123.2 100.9 97.8 105.2 129.0 114.1 114.3 120.6 119.9 146.5	120.0 102.5 64.3 122.7 100.7 97.9 104.5 127.9 113.3 113.4 119.3 145.4	121.2 103.2 64.4 124.4 101.2 98.4 105.2 129.3 114.7 114.2 120.6 119.7	122.1 103.8 64.2 124.4 102.0 99.4 105.8 130.3 114.5 121.5 121.3 148.5	120.7, 103.8 62.5 123.8 102.3 99.6 106.0 128.2 113.5 112.9 119.3 117.9 146.4	121.5 104.4 62.2 123.3 103.2 100.3 107.2 129.2 114.5 113.4 120.1 119.0 147.8	122.3 104.4 60.9 102.9 100.0 107.0 130.3 115.3 113.6 120.9 120.4	121.3 104.0 60.2 124.4 102.6 99.4 107.1 129.0 113.8 113.1 118.7 118.0	121.5 103.1 59.9 119.3 102.6 99.1 107.4 129.7 113.7 113.0 120.1 119.2 149.2	121.7 103.3 59.4 121.2 102.5 99.0 107.4 130.0 113.9 113.1 119.6 120.9	7120.9 7102.5 758.2 7120.9 101.5 797.7 106.9 129.1 7113.4 118.3 7149.3	7122.4 102.9 758.7 7118.7 7102.5 799.1 107.3 7131.1 7114.2 713.4 7121.6 7121.8	P 122.1 P 103.0 P 58.1 P 119.6 P 102.5 P 99.3 P 107.1 P 130.7 P 114.3 P 120.7 P 122.1 P 150.5

Unless otherwise stated in footnotes below, data	Anı	nual						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		5. LA	BOR FO	RCE, EN	IPLOYM	ENT, AN	D EARN	INGS-C	Continue	d						
HOURLY AND WEEKLY EARNINGS §		1							Ī							
[Dollars]										İ				1		
verage hourly earnings per worker, not seas. adj.: ◊			ŀ		1			ł	1		1					
Private nonfarm payrolls	10.02	10.34	10.23	10.24	10.30	10.31	10.31	10.30	10.31	10.46	10.44	10.46	10.50	110.51	10.53	P 10.56
Mining	13.69 13.78	14.21 14.01	14.10 13.93	14.09 13.93	14.12 13.99	14.10 13.96	14.24 13.88	14.20 13.97	14.16 14.03	14.35 14.15	14.14 14.13	14.29 14.00	14.53 14.12	7 14.61 14.06	714.54 13.89	P 14.55 P 14.05
Manufacturing	10.83 10.37	11.18 10.71	11.02 10.61	11.06 10.64	11.11 10.69	11.15 10.72	11.19 10.71	11.22 10.74	11.17 10.67	11.27 10.73	11.25 10.74	11.31 10.79	11.38 10.85	711.29 10.84	*11.32 *10.87	P 11.38
Excluding overtime Durable goods	11.35	11.76	11.55	11.60	11.65	11.70	11.76	11.81	11.77	11.89	11.87	11.91	11.96	11.85	11.90	P 11.95
Excluding overtime Lumber and wood products	10.86 9.09	11.27 9.28	11.14 9.10	11.17 9.10	11,22 9,18	11.27 9.23	11.26 9.36	11.32 9.34	11.25 9.36	11.33 9.41	11.34 9.35	11.38 9.37	11.41 9.38	11.39 79.38	11.44 79.41	P 11.46 P 9.37
Furniture and fixtures	8.52	8.77	8.65	8.67	8.70	8.67	8.75	8.78	8.82	8.88	8.85	8.85	8.95 11.48	8.87	r 8.87	P 8.96
Stone, clay, and glass products Primary metal industries	11.11 12.92	11.36 13.33	11.19 13.02	11.20 13.17	11.33 13.21	11.34 13.22	11.40 13.32	11.42 13.44	11.41 13.42	11.44 13.51	11.41 13.48	11.47 13.49	13.49	711.45 13.41	711.41 713.46	P 11.47 P 13.56
Fabricated metal products	10.83 11.78	11.20 12.17	11.02 12.06	11.08 12.13	11.11 12.10	11.15 12.11	11.20 12.16	11.23 12.17	11.23 12.15	11.33 12.24	11.30 12.26	11.36 12.29	11.41 12.35	711.30 712.24	711.33 712.30	P 11.38 P 12.33
Electronic and other electrical equipment	10.30	10.73	10.58	10.55	10.63	10.66	10.74	10.77	10.78	10.84	10.78	10.88	10.96	10.90	r 10.91	P 10.93
Transportation equipment	14.10 11.31	14.79 11.71	14.34 11.65	14.43 11.69	14.55 11.66	14.74 11.67	14.82 11.68	14.91 11.71	14.83 11.66	15.06 11.74	15.07 11.76	15.12 11.80	15.18 11.88	14.91 711.84	* 15.02 * 11.82	P 15.08
Miscellaneous manufacturing	8.61	8.85	8.70	8.76	8.78	8.85	8.88	8.83	8.85	8.90	8.86	8.94	9.08	79.06	r 9.08	P 9.15
Nondurable goods	10.12	10.44 9.98	10.31 9.92	10.35 9.95	10.40 9.99	10.41 10.00	10.43 9.97	10.47 10.00	10.42 9.92	10.49 9.97	10.47 9.98	10.54 10.04	10.62 10.12	10.59 10.14	710.58 710.15	P 10.65 P 10.20
Excluding overtime	9.69 9.61	9.88	9.74	9.80	9.84	9.93	9.92	9.87	9.81	9.86	9.85	10.02	10.11	10.05	10.04	P 10.10
Tobacco manufactures Textile mill products	16.29 8.02	16.89 8.30	16.12 8.13	17.35 8.16	17.56 8.20	18.01 8.22	18.38 8.28	18.31 8.27	16.58 8.36	16.03 8.42	16.06 8.40	16.95 8.45	16.08 8.49	716.16 8.49	716.33 78.48	P 17.03 P 8.49
Apparel and other textile products	6.57	6.75	6.61	6.63	6.72	6.73	6.77	6.79	6.80	6.86	6.81	6.81	6.86	6.82	76.83 712.85	P 6.86
Paper and allied products Printing and publishing	12.30 11.25	12.70 11.50	12.51 11.37	12.56 11.36	12.56 11.43	12.63 11.39	12.66 11.44	12.78 11.49	12.72 11.56	12.80 11.65	12.80 11.62	12.85 11.62	12.95 11.69	12.86 11.62	11.60	P 11.69
Chemicals and allied products Petroleum and coal products	13.55 16.23	14.07 17.02	13.83 17.01	13.85 17.06	13.96 17.01	14.01 16.89	14.05 16.85	14.16 16.87	14.06 16.80	14.21 17.16	14.25 17.14	14.27 17.38	14.34 17.47	714.30 717.53	714.29 717.95	# 14.33 # 18.12
Rubber and misc. plastics products	9.77	10.10	9.99	10.01	10.02	10.08	10.08	10.11	10.11	10.16	10.13	10.18	10.27	r 10.32	r 10.28	P 10.32
Leather and leather products Transportation and public utilities	6.90 12.96	7.16 13.23	7.09 13.17	7.11 13.15	7.18 13.19	7.15 13.17	7.15 13.16	7.10 13.25	7.10 13.26	7.18 13.32	7.18 13.24	7.23 13.26	7.31 13.36	7.34 *13.34	77.37 713.42	P 7.42 P 13.41
Wholesale trade	10.79	11.16	11.08	11.06	11.12	11.11	11.19	11,14	11.14	11.24	11.19	11.26	11.34	711.31	711.37 77.14	P 11.37 P 7.14
Retail trade Finance, insurance, and real estate	6.76 9.97	7.00 10.42	6.89 10.30	6.91 10.33	6.98 10.36	6.97 10.36	6.98 10.42	6.98 10.36	6.97 10.37	7.07 10.53	7.07 10.49	7.11 10.54	7.09 10.68	7.15 10.68	r 10.83	P 10.84
Services	9.83	10.24	10.14	10.16	10.19	10.21	10.19	10.13	10.15	10.33	10.33	10.41	10.50	10.50	′ 10.55	P 10.54
Average hourly earnings per worker, seas. adj.: Private nonfarm payrolls	10.02	10.34	10.20	10.24	10.28	10.32	10.37	10.36	10.40	10.41	10.40	10.44	10.48	10.47	10.51	P 10.55
Mining	13.69	14.21	13.99	14.03	14.05	14.13	14.30	14.24	14.27	14.34	14.24	14.38	14.54	r 14.44	14.45	P 14.51
Construction	13.78 10.83	14.01 11.18	13.97 11.03	13.97 11.05	14.05 11.12	14.00 11.15	13.98 11.19	14.01 11.22	14.07 11.25	14.04 11.25	14.02 11.26	13.99 11.31	14.08 11.32	13.99 711.28	13.93 711.33	P 14.09 P 11.38
Transportation and public utilities	12.96 10.79	13.23 11.16	13.13	13.16 11.07	13.19 11.08	13.24 11.12	13.23 11.23	13.26 11.14	13.30 11.22	13.27 11.23	13.20 11.21	13.25 11.26	13.33 11.29	713.31 711.28	713.38 711.34	P 13.44 P 11.38
Wholesale trade	6.76	7.00	11.05 6.87	6.90	6.97	6.98	7.01	7.03	7.04	7.05	7.06	7.09	7.10	7.11	77.13	P 7.14
Finance, insurance, and real estate	9.97 9.83	10.42 10.24	10.22 10.07	10.32 10.13	10.28 10.16	10.35 10.24	10.50 10.29	10.40 10.25	10.47 10.30	10.55 10.32	10.49 10.29	10.55 10.37	10.66 10.42	710.62 10.41	710.75 710.48	P 10.83
[Dollars per hour]	3.00	10.24	10.07	10.13	10.10	10.24	10.23	10.20	.0.55	10.02	10.23	10.0.	10.42			
Hourly wages, not seasonally adjusted:										1						
Construction wages, 20 cities (ENR); §§	10 22	10.00	10.61	10.61	10.61	18.78	18.85	18.98	19.03	19.07	19.11	19.14	19.14	19.14	19.14	19.24
Common labor	18.33 23.92	18.88 24.76	18.61 24.35	18.61 24.35	18.61 24.37	24.54	24.64	24.84	24.93	25.00	25.09	25.19	25.19	25.19	25.19	25.18
Railroad wages (average, class I)	16.08	15.68	15.85	15.48	15.60	15.57	15.66	15.70	16.06	15.96	15.49	15.10	16.04	16.13	16.33	
[Dollars]												, ,				
Avg. weekly earnings per worker, private nonfarm: Current dollars, seasonally adjusted	345.69	354.66	349.86	350.21	349.52	353.98	358.80	353.28	356.72	359.15	356.72	359.14	361.56	358.07	r 363.65	
1982 dollars, seasonally adjusted Current dollars, not seasonally adjusted:	259.72	255.89	254.81	255.07	253.83	256.32	259.25	254.89	256.82	257.82	255.53	256.35	257.52	r 254.85	° 258.27	P 257.97
Private nonfarm, total	345.69	354.66	346.80	348.16	350.20	352.60	357.76	355.35	357.76	362.96	359.14 627.82	358.78 634.48	364.35 649.49	, 355.24 , 634.07	7360.13 7633.94	P 362.21 P 632.93
Mining Construction	603.73 526.40	630.92 533.78	626.04 515.41	619.96 518.20		624.63 533.27	640.80 537.16		630.12 542.96	642.88 551.85	552.48	527.80	533.74	514.60	506.99	P 522.66
Manufacturing	441.86 468.76	455.03 483.34	439.70 466.62	443.51 469.80	445.51 472.99	449.35 476.19	457.67 488.04	453.29 480.67	456.85 484.92	466.58 497.00	462.38 493.79	467.10 495.46	474.55 504.71	7 458.37 485.85	7459.59 489.09	
Durable goodsNondurable goods	404.80	418.64	406.21	409.86	410.80	414.32	419.29	417.75	422.01	427.99	425.08	430.03	435.42	424.66	r 423.20	P 428.13
Transportation and public utilities	504.14 411.10	510.68 425.20	504.41 417.72	503.65 419.17	506.50 421.45	508.36 423.29	514.56 430.82	515.43 424.43	515.81 425.55	520.81 431.62	511.06 427.46	509.18 429.01	515.70 435.46	7505.59 7427.52	*512.64 *434.33	P 434.33
Retail trade	194.69	200.20	192.92	194.17	197.53	199.34 367.78	203.82 377.20	204.51 368.82	204.22 370.21	203.62 380.13	200.79 372.40	202.64 375.22	207.03 386.62	198.77 380.21	1202.78 1394.21	P 202.78 P 393.49
Finance, insurance, and real estate	356.93 320.46	373.04 332.80	368.74 327.52	367.75 328.17	368.82 329.14	329.78	334.23	330.24		336.76	334.69		342.30	338.10	r343.93	
EMPLOYMENT COST INDEX @	į						1					}				
•			1													
[June 1989=100]																
Total compensation: Civilian workers †				109.1			110.2	•••••		111.5			112.2			113.5
Workers, by occupational group: White-collar workers				109.8			110.8			112.1			112.8			113.9
Blue-collar workers				108.0			109.2			110.3			111.1			112.6
Service workers				109.4			110.4		***************************************	112.3			113.1			114.1
Manufacturing				108.6			110.0			111.2 111.7			112.2 112.3			114.0 113.3
Nonmanufacturing				109.4 111.5			110.3 112.0			113.8			114.6			115.5
Public administration				110.8			110.9			112.2			112.6			114.0
Wages and salaries: * Civilian workers †	1	 		108.0			108.9			110.0			110.6			111.5
Workers, by occupational group:	1	1	1		1]		110.8			111.3	l		112.2
White-collar workers				108.7 106.6			109.6 107.4			108.2			108.9			109.8
Service workers				107.8			108.9			110.6			111.3			111.9
Workers, by industry division: Manufacturing	[107.4			108.4			109.3			110.3			111.5
Nonmanutacturing				108.1 110.2			109.0 110.7			110.2 112.4			110.7 113.0			111.5 113.7
Public administration				109.1			109.5			110.6			110.9			111.9
HELP-WANTED ADVERTISING	I							1						1		
]											85		J
Seasonally adjusted index, 1967=100	128	1 93	97	95	il 95	94	l 96	l 92	l 91	92	! 88	1 891	90	. 63	1 89	14

Helpon alloquities stated in factories below.			·					4004						, ,,	4000	
Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	1991 July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	1992 Feb.	Mar.
in Booked Officials, 1881 W	1000		BOR FO		•								200.	<u> </u>		
WORK STOPPAGES Work stoppages involving 1,000 or more workers: Number of stoppages: Beginning in month or year, number Workers involved in stoppages: Beginning in month or year, thousands Days idle during month or year, thousands	44 185 5,926	40 392 4,584	. 2 3 240	1 2 257	7 ⁻ 298 823	7 19 533	5 37 462	0 0 272	4 6 283	3 4 272	6 12 306	3 10 362	1 1 416	0 0 393	1 2 762	1 3 367
UNEMPLOYMENT INSURANCE ‡																
State programs: Initial claims, thousands Average weekly insured unemployment, thousands Rate of insured unemployment, percent @ Total benefits paid, mil. \$ Weeks of unemployment compensated, thousands Average weekly benefit, dollars	20,184 2,514 2.4 18,058 115,957 161.64	23,223 3,332 3.1 25,446 155,120 169,97	2,065 4,020 3,5 2,382 14,514 169,51	1,952 3,996 3,7 2,526 15,321 170,45	1,868 3,805 3.6 2,486 15,142 170.01	1,642 3,213 3.0 2,236 13,598 170,46	1,497 3,127 2.9 1,864 11,316 170.50	2,028 3,214 3.0 2,135 13,031 169.16	1,519 2,940 2.8 1,911 11,636 169.02	1,359 2,734 2.6 1,681 10,199 170.70	1,736 2,728 2.6 1,831 11,079 171,27	1,891 *2,779 2.6 1,681 10,206 170.79	2,603 73,488 3.3 2,183 13,259 7170.99	2,928 *4,107 3.9 2,724 17,086 *171.64	71,888 74,105 73.9 72,476 714,758 7173.38	1,780 4,014 3.8 2,673 15,909 173.91
Federal civilian employees unemployment insurance (UCFE): Initial claims, thousands Average weekly insured unemployment, thousands Total benefits paid, mil. \$ Weeks of unemployment compensated, thousands Average weekly benefit, dollars	131.7 24.1 159.0 1,077.5 148.04	137.1 30.6 214.0 1,392.3 153.82	9.0 36.1 19.8 130.6 151.87	7.6 32.1 18.3 121.6 150.58	9.7 28.5 16.9 110.2 153.41	9.1 24.0 14.7 97.1 151.69	10.5. 24.7 13.1 85.4 153.65	16.0 28.9 16.9 109.2 155.02	10.0 29.3 17.3 112.6 154.03	10.0 28.6 16.1 104.0 154.46	14.1 30.8 18.8 120.7 155.50	11.6 30.3 17.6 110.9 158.56	14.3 35.5 21.2 134.0 157.94	15.3 736.5 23.4 145.4 160.90	79.1 734.6 720.2 7123.4 7163.98	9.3 32.9 21.0 129.7 162.04
Veterans unemployment insurance (UCX): Initial claims, thousands Average weekly insured unemployment, thousands Total benefits paid, mil. \$ Weeks of unemployment compensated, thousands Average weekly benefit, dollars	132.9 18.4 131.7 773.3 170.58	154.0 22.4 167.5 926.8 179.24	8.0 18.3 10.4 59.5 175.60	8.3 16.7 9.9 56.8 174.50	8.9 16.1 9.7 55.7 174.40	10.5 14.7 8.9 51.1 174.31	10.8 16.4 8.8 49.4 178.06	15.3 19.8 12.2 67.0 181.53	15.2 22.8 14.0 78.3 178.92	14.4 25.6 15.5 84.7 182.90	17.0 28.2 18.5 102.1 181.08	14.2 27.9 17.6 95.6 183.74	20.0 41.6 28.8 151.7 189.87	725.4 53.4 39.5 216.6 182.20	718.3 759.1 739.8 7213.4 7186.28	19.4 133.8 43.0 231.1 185.88
					6. F	INANCE										
BANKING																
[Millions of dollars] Open market paper outstanding, end of period: Bankers' acceptances Commercial and financial company paper, total Financial companies Dealer placed Directly placed Nonfinancial companies	54,771 557,811 420,398 221,362 119,036 137,413	43,770 7528,124 7403,556 221,093 7182,463 124,568	52,831 565,941 421,749 222,169 199,580 144,192	48,795 561,923 415,705 225,990 189,715 146,218	47,086 553,204 401,510 214,036 187,474 151,694	46,438 542,315 393,918 206,500 187,418 148,397	45,539 540,801 396,052 206,187 189,865 144,749	44,756 543,563 398,313 205,510 192,803 145,250	44,228 534,052 397,453 206,702 190,751 136,599	43,462 532,107 400,292 213,516 186,776 131,815	44,910 525,624 392,341 211,801 180,540 133,283	43,947 529,699 394,731 213,350 181,381 134,968	43,770 528,124 403,556 221,093 182,483 124,568	535,802 403,157 221,310 181,847 132,645	534,541 397,940 216,797 181,143 136,601	
Loans of the Farm Credit System: † Total, end of period Long-term real estate loans Short-term and intermediate-term loans Loans to cooperatives	51,172 29,416 10,673 11,083	124,500		50,849 29,072 10,474 11,304			51,079 29,152 11,190 10,737			51,262 29,255 11,389 10,618						
Federal Reserve banks, condition, end of period: Assets, total #	327,573 262,002 190	353,061 289,394 218	325,016 260,090 506	315,305 250,069 244	318,978 251,848 291	317,879 254,985 206	318,604 256,813 1,479	320,401 258,636 574	319,763 261,991 844	321,636 264,528 315	333,357 274,061 153	329,519 271,992 106	353,061 289,394 218	333,129 272,481 112	330,347 271,536 62	335,971 274,013 52
U.S. Government securities Gold certificate account Liabilities, total #	252,103 11,058 327,573 48,228	281,831 11,059 353,061 49,783	251,404 11,058 325,016	240,965 11,058 315,305 35,405	244,493 11,058 318,978 36,330	248,111 11,057 317,879 33,263	248,446 11,062 318,604 34,460	250,978 11,062 320,401 34,228	254,959 11,062 319,763 31,200	258,554 11,062 321,636 36,000	267,675 11,059 333,357 44,061	265,213 11,058 329,519 34,129	281,831 11,059 353,061 49,783	266,148 11,058 333,129 40,595	265,423 11,058 330,347 36,659	267,601 11,057 335,971 36,952
Deposits, total Member-bank reserve balances Federal Reserve notes in circulation All member banks of Federal Reserve System,	38,658 267,657	29,413 287,906	46,505 22,109 265,915	24,067	22,081 267,445	26,223 271,019	22,202	27,871	23,962 275,210	27,404 273,809	25,513 276,792	27,246 282,027	29,413 287,906	29,195 280,117	30,688 281,605	29,480
averages of daily figures: Reserves held, total Required Excess Borrowings from Federal Reserve banks Free reserves	59,150 57,456 1,665 326 1,362	55,532 54,553 979 192 788	48,551 46,743 1,809 252 2,971	48,586 47,408 1,179 241 991	50,301 49,271 1,030 231 885	49,063 48,033 1,029 303 814	50,407 49,399 1,008 340 676	50,660 49,754 906 607 345	50,607 49,521 1,086 764 622	51,127 50,198 929 645 586	51,584 50,501 1,083 261 834	53,057 52,165 892 108 786	55,532 54,553 979 192 788	55,812 54,809 1,003 233 771	755,238 54,174 71,065 77 7990	56,282 55,252 1,030 91 941
Large commercial banks reporting to Federal Reserve System, last Wed. of mo.: Deposits: Demand, total #	278,721	255,000	216,608	218,174	214,429	225,187	219,504	211,579	216,086	218,221	221,790	244,247	255,000	230,582	233,222	236,975
Individuals, partnerships, and corporations States and political subdivisions U.S. Government Depository institutions in U.S	218,263 9,315 4,831 28,334	204,158 8,845 2,158 23,508	173,674 6,787 1,627 17,995	173,616 6,942 1,662 18,984	170,191 7,119 3,362 18,319	178,770 6,411 1,401 22,864	175,648 7,132 1,602 19,573	171,652 6,626 1,727 18,020	174,760 6,609 1,299 18,887	173,948 7,304 1,610 19,243	177,964 6,984 1,634 20,553	194,355 8,342 3,397 22,503	204,158 8,845 2,158 23,508	182,976 7,792 1,787 20,130	184,674 8,026 1,771 22,077	188,976 8,059 1,535 21,004
Transaction balances other than demand deposits	91,138 797,701 762,580	101,757 788,004 758,036	84,413 798,314 760,759	86,607 797,660 760,265	88,311 791,541 754,812	86,718 792,717 754,706	87,272 788,263 751,858	88,425 792,527 757,146	90,002 791,441 756,847	89,716 784,509 750,959	91,751 780,087 748,624	96,188 777,657 746,642	101,757 788,004 758,036	99,453 780,392 749,284	100,503 778,947 746,634	102,383 774,935 744,372
Loans and leases(adjusted),total § Commercial and industrial For purchasing and carrying securities To nonbank depository and other financial Real estate loans To States and political subdivisions Other loans	1,072,019 321,314 13,129 24,462 398,753 21,054 293,307	1,027,027 294,246 14,817 23,123 402,887 17,876 274,078	1,048,748 320,763 15,143 22,519 400,812 20,802 268,709	1,048,489 319,601 12,982 22,632 401,912 20,534 270,828	1,047,474 316,851 12,979 21,928 403,664 20,402 271,650	1,041,535 312,354 13,767 22,205 404,774 19,910 268,525	1,039,347 308,751 13,917 22,655 404,012 19,199 270,813	1,020,070 302,509 11,463 21,670 399,870 18,719 265,839	1,015,162 298,898 14,315 21,987 396,910 18,578 264,474	1,015,986 297,275 12,672 21,694 396,960 18,343 269,042	1,008,330 295,727 13,725 22,529 396,067 18,091 262,191	1,007,962 294,318 14,351 23,032 395,619 17,866 262,776	1,027,027 294,246 14,817 23,123 402,887 17,876 274,078	1,015,587 288,696 14,104 22,022 402,432 17,345 270,988	1,013,644 288,876 13,371 21,832 400,945 17,221 271,399	14,197 22,499 400,247 17,167 271,897
Investments, total U.S. Treasury and government agency securities, total Investment account Other securities	238,932 177,816 167,790 61,116	282,554 225,344 206,837 57,210	247,513 186,969 172,729 60,544	249,302 189,308 176,704 59,994	250,366 191,684 177,868 58,682	250,457 192,765 179,583 57,692	253,286 195,194 180,073 58,092	253,879 197,169 182,252 56,710	259,765 203,357 186,968 56,408	263,841 207,410 189,404 56,431	276,532 220,133 201,209 56,399	279,824 223,497 203,402 56,327	282,554 225,344 206,837 57,210	284,194 228,768 208,104 55,426	288,374 233,951 212,090 54,423	293,551 239,304 215,998 54,247

Unless otherwise stated in footnotes below, data	Anı	nual						1991							1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-68	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
				6	. FINAN	CE—Cor	ntinued								•	
				1		1			1					T		
BANKING—Continued [Billions of dollars]	1			1		1				l						
Commercial bank credit, seas, adi.; §	1			1]									
Total loans and securities U.S. Government securities	2,723.6 454.2	2,836.0 562.5	2,747.3 460.7	2,759.9 470.8	2,763.9 478.2	2,765.7 484.1	2,774.6 493.9	2,776.4 503.7	2,778.3 513.2	2,789.4 523.4 175.8	2,805.1 538.4	2,821.6 550.5	2,836.0 562.5	2,843.5 564.2	2,844.6 568.7	2,851.8 576.8
Other securities Total loans and leases ◊	175.6 2,093.8	178.5 2,095.0	178.3 2,108.3	178.5 2,110.6	177.5 2,108.3	176.9 2,104.8	176.2 2,104.6	175.3 2,097.4	.174.0 2,091.1	175.8 2,090.2	177.1 2,089.6	177.6 2,093.4	178.5 2,095.0	179.0 2,100.2	179.1 2,096.7	176.6 2,098.4
[Percent]			1		}	,						}				
Money and interest rates: Prime rate charged by banks on short-term			-									1	1	1		
business loans	10.01	8.46	9.05	9.00	9.00	8.50	8.50	8.50	8.50	8.20	8.00	7.58	7.21	6.50	6.50	6.50
Discount rate (New York Federal Reserve Bank) @	6.98	5.45	6.00	6.00	5.98	5.50	5.50	5.50	5.50	5.20	5.00	4.58	4,11	3.50	3.50	3.50
Federal intermediate credit bank loans																
Home mortgage rates (conventional 1st mortgages):	20.00	0.04		242	204				0.40	0.00	0.70			0.47		
New home purchase (U.S. avg.) Existing home purchase (U.S. avg.)	² 9.68 ² 9.73	9.01 9.04	9.28 9.49	9.16 9.26	9.24 9.24	9.26 9.23	9.18 9.12	9.12 9.12	9.19 9.10	9.00 8.93	8.78 8.78	8.38 8.43	8.28 8.25	8.17 8.02	8.29 8.15	
Open market rates, New York City: Bankers' acceptances, 3-month	7.93	5.70	6.36	6.24	5.92	5.75	5.94	5.89	5.54	5.38	5.21	4.85	4.42	3.97	4.00	4.19
Commercial paper, 6-month # Finance co. paper placed directly, 6-mo	7.95 7.53	5.85 5.60	6.41 6.14	6.36 6.20	6.07 5.91	5.94 5.72	6.16 5.75	6.14 5.81	5.76 5.50	5.59 5.34	5.33 5.12	4.93 4.76	4.49 4.31	4.06 3.95	4.13 3.96	4.38 4.15
Yield on U.S. Gov. securities (taxable): 3-month bills (rate on new issue)	7.510	5.420	5.950	5.910	5.670	5.510	5.600	5.580	5.390	5.250	5.030	4.600	4.120	3.840	3.840	4.050
·	7.0.0	0.420	0.000	0,010	0.070	0.010	0.000	0.000	0,000	0.230	0.000	1.555	****	0.010	5.5.0	
CONSUMER INSTALLMENT CREDIT † [Millions of dollars]		1	1									1				
Not seasonally adjusted:																
Total outstanding (end of period) # By major holder:	748,300	743,548	729,264	725,462	727,907	727,717	728,023	727,754	731,531	732,184	730,722	732,256	743,548	7733,256		
Commercial banks Finance companies	347,466 137,450	340,930 129,566	339,282 133,021	335,754 131,552	336,425 133,462	334,746 134,045	333,442 133,903	334,273 134,120	335,662 135,509	335,509 132,471	335,258 131,778	334,904 130,679	340,930 129,566	7335,983 126,677	331,317 127,281	
Credit unions Retailers	92,911 43,552	92,779 43,130	91,131 38,864	90,772 38,497	91,413 37,817	91,549 36,782	91,924 36,702	92,017 36,392	92,843 37,296	93,305 37,281	92,746 37,359	92,373 38,651	92,779 43,130	791,922 40,580	39,108	
Savings institutions	45,616 4,822	36,014 4,362	43,875 4,404	42,491 4,296	41,707 4,357	40,764 4,507	39,827 4,591	39,012 4,712	37,893 4,857	37,036 4,753	37,424 4,529	36,987 4,388	36,014 4,362	4,377	4,151	
Pools of securitized assets †† By major credit type:	76,483	96,767	78,687	82,100	82,726	85,324	87,634	87,228	87,471	91,829	91,628	94,274	96,767	198,564	97,936	***************************************
Automobile *	284,813 232,370	268,284 247,519	279,913 220,714	277,798 221,400	277,508 222,627	275,582 224,301	275,018 225,596	274,222 226,145	274,190 229,224	273,354 231,281	272,092 231,862	268,927 235,675	268,284 247,519	7266,888 7239,019	235,033	***************************************
Mobile home *Other *	20,666 210,451	18,877 208,868	20,362 208,275	20,030 206,234	20,052 207,720	19,721 208,113	19,875 207,534	19,639 207,748	19,468 208,649	18,996 208,553	19,026 207,742	19,021 208,633	18,877 208,868	* 18,808 * 208,541	18,460	
Seasonally adjusted:	1		1	·			-	700.000		700 450	700 017	730,147	729,420	⁷ 729,473	700 274	
Total outstanding (end of period) # By major credit type: Automobile			732,762 282,626	732,442 280,689	733,621 279,746	732,289 276,494	730,591 274,496	729,962 273,565	729,108 271,906	729,152 270,219	730,317 270,013	268,123	267,909	268.256	267,780	***************************************
Revolving			221,556 20,200	224,817 20,123	225,994 20,098	227,301 19,796	227,737 19,907	228,199 19,615	229,453 19,495	232,070 18,892	233,661 18,943	234,666	234,504 19,116	234,816 18,649	236,001 18,292	
Other *			208,379	206,813	207,782	208,697	208,451	208,582	208,253	207,971	207,700	208,300	207,891	207,752	207,202	
Total net change (during period) # By major credit type:			-200	-320 4 007	1,179	-1,332	-1,698 -1,998	-629 001	-854	44	1,165 -206	-170 -1,890	727 214	r53 r347	-199 -476	***************************************
By major credit type: Automobile Revolving Mobile home		***************************************	-1,120 1,968 259	-1,937 3,261 -77	-943 1,177 -25	-3,252 1,307 -302	436 411	-931 462 -292	-1,659 1,254 -120	-1,687 2,617 603	1,591 51	1,005	-162 57	7312 7-467	1,185 -357	***************************************
Other *		***************************************	-791	-1,566	969	915	-246	131	-329		-271	600	-409	r-139	-550	
FEDERAL GOVERNMENT FINANCE																
[Millions of dollars]	1												•		!	
Federal receipts and outlays: Receipts (net)	e/1,031,374 e/1,251,683	/1,054,261 /1,323,751	67,657 93,848	64,805 105,978	140,380 110,371	63,560 116,926	103,389 105,968	78,593 119,424	76,426 120,075		78,068 114,082		103,662 106,199	104,091 119,742	62,056 110,817	72,917 122,279
Total surplus or deficit (-)	€1-220,460	4-269,492	-26,191	-41,173	30,009	-53,367	-2,579	-40,831	-43,649	-6,887	-36,014	-44,555	r-2,537	-15,650	′-48,761	-49,362
Federal financing, total	° 1220,460 ° 1263,384	1269,492 1293,239	26,191 34,611	41,173 -9,913	-30,009 -9,399	41,742	2,579 10,715	40,831 34,434	43,649 32,574	27,970	36,014 40,657	44,555 25,641	22,825 22,825	15,650 11,449 4,253	748,761 20,938 -27,821	49,362 50,138 776
Other	6/6,098 6/3,088,716	¹ 25,303 ¹ 3,489,997	8,531 3,488,624	-50,758 3,491,694	20,732 3,470,530	3,522,261	8,255 3,562,942	-6,357 3,597,294	-10,079 3,636,298	43.598.919	4,681 3,651,127	-19,826 3,681,196	20,181 3,736,276	3.743.534	3.762.074	3.811.671
Held by the public Federal receipts by source and outlays by	c12,351,085	12,628,699	2,634,626	2,624,714	2,615,217	2,656,959	2,667,674	2,702,107	2,734,682	42,687,859	2,727,824	2,753,465	2,776,290	2,788,596	2,809,534	2,859,672
agency: Receipts (net), total	c/1,031,374	¹ 1,054,261	67,657	64,805	140,380	63,560	103.389	78,593	76,426	109,345	78,068	73,194	103,662	104,091	62,056	72,917
Individual income taxes (net)	¢ 467,243 ¢ 493,506	467,649	27,929 2,495	11,288 12,807	77,768 13,296	20,005 2,032	44,517 16,540	38,403 1,770	34,560 1,306	47,979	39,332	31,987 1,516	41,722 21,719	60,451 2,992	22,213 1,220	19,503 11,742
Social insurance taxes and contributions (net)	c/380,047	¹ 396,010	29,872	33,045		34,546	34,758	30,360					30,996	31,832	32,282	34,237
Other	° 190,670	197,581	7,361	7,665	6,838	6,977	7,574	8,061	9,056	8,317	9,132	8,189	9,225	8,765	6,342	7 434
Outlays (net), total	° 1,251,683 ° 146,013	1,323,751 154,120	93,848 3,145	105,978 5,051	5,208	116,926 5,061	105,968 3,818	119,424 4,029	3,085	3,525	114,082 6,376	5,926	106,199 5,761	119,742 4,372	3,906	122,279 194 22,109
Defense Department, military Health and Human Services Department	c/289,773 c/438,678	/ 299,196 / 483,936	24,940 39,162	39,555	20,841 41,445	24,091 43,040	21,090 42,792	41,897	43,271	39,616	42,710	44,655	23,094 43,576 49,929	24,806 44,126	43,595	43,303
Treasury Department	e1254,597	/ 276,887 / 13,878	18,754	19,860	17,714	22,821 1,235	47,297 1,030	16,646 1,089		1	17,457 1,251	21,486 1,194	1,308	18,296 1,035	ł	1,294
Veterans Affairs Department	¢128,999	31,214	2,576	2,716			1,164	2,654					2,614	2,445	3,114	
GOLD AND SILVER:]									1						
Gold: Monetary stock, U.S. (end of period), mil. \$.	11,061	11,059	11,058	11,058	11,058	11,057	11,062	11,062	11,062	11,062	11,059	11,058	11,057	11,058		
Price at New York, dol. per troy oz. ‡‡	384.08		363.83										361.06			344.34
Silver: Price at New York, dol. per troy oz. ‡‡	4.819	4.040	3.723	3.960	3.970	4.040	4.390	4.300	3.940	4.030	4.100	4.060	3.910	4.120	4.140	4.100

Unless otherwise stated in footnotes below, data	An	nual						1991							1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
				6.	FINANC	CECon	tinued									
MONETARY STATISTICS																
[Billions of dollars]						1]					
Currency in circulation (end of period)	287.0	307.7		286.7	••••••		291.5	***************************************		293.4			307.7			
Money stock measures and components (averages of daily figures): †						Ì										
Measures (not seasonally adjusted): M1	812.0	860.4	823.4	835.0	853.0	841.7	858.1	862.3	864.5	867.4	875.5	893.9	917.3	′ 918.1	1916.6	930.4
M2 M3	3,298.3 4,092.8	3,402.7 4,160.5	3,358.3 4,150.8	3,388.4 4,171.6	3,410.4 4,182.6	3,388.7 4,156.9	3,408.0 4,165.2	3,410.5 4,158.6	3,409.0 4,160.0	3,403.7 4,144.9	73,412.8	73,434.4 74,169.3	73,453.2 74,182.2	73,456.2 74,180.7	73,462.4 74,189.4	3,473.8 4,193.5
L (M3 plus other liquid assets)	4,932.2	4,985.8	5,003.5	5,011.5	4,990.5	4,943.3	4,974.4	4,982.9	4,979.5	4,965.1	*4,967.4	*4,997.8	r5,008.8	5,002.2	5,009.3	***************************************
Components (not seasonally adjusted): Currency Demand deposits	235.5	259.5	252.6	255.6	256.0	257.4	259.1	260.8	262.0	261.7	263.1	266.3	270.0	267.8	269.5	271.1
Other checkable deposits ±±	291.01	280.1 312.8	268.0 294.9	270.1 301.6	277.7 311.8	271.7 304.9	279.9 311.0	280.9 312.1	278.8 315.1	278.6 318.7	320.6	291.1 328.8	303.0 r336.6	300.0 342.4	296.3 7343.0	302.0 349.6
General purpose and broker/dealer money	81.2	69.5	70.4	69.2	69.6	68.4	67.9	64.9)	66.4	Į.		75.7	*77.2	776.8	73.1
market funds	333.2 501.1	362.9 (³) 980.0	365.9 (³) 926.1	373.8 (³) ³ 943.7	373.0 (³) 956.4	365.1 (3) 3965.8	364.2 (³) ³ 981.1	363.3 (3) 3990.9	360.7 (³)	358.7 (3) 31,001.0	357.4 (3)	358.6 (3)	358.1 (³)	359.5 (³)	368.8 (³)	366.9 (³)
Savings deposits	911.3 1,160.5	3980.0 1,129.9	³ 926.1 1,172.5	3943.7 1,166.6	³ 956.4 1,158.4	³ 965.8 1,147.7	³ 981.1 1,136.7	³ 990.9 1,129.2	³ 996.5 1,120.0	31,001.0 1,110.3		31,028.5 1,080.1	r31,038.7 r1,063.4	731,055.6 11,045.9	731,078.5 71,021.7	31,101.1 1,002.3
Large time deposits @	525.5	471.9	498.0	493.5	486.1	485.0	479.9	470.8		460.5		441.9	435.5	424.8	r419.3	413.6
Measures (seasonally adjusted): M1			836.2	842.3	842.7	850.9	857.3	860.0	866.5	872.0	880.9	891.4	7898.2	7910.4	930.8	938.6
M2 M3			3,369.4 4,160.2	3,386.9 4,165.9	3,394.4 4,168.4	3,405.6 4,170.5	3,411.8 4,167.7	4,157.3	3,409.5 4,156.6	3,411.5 4,152.6	4,158.9	4,167.1	73,439.4 74,171.5	73,448.2 74,175.6	73,475.1 74,199.9	3,473.2 4,188.4
L (M3 plus other liquid assets) Components (seasonally adjusted):	1		5,008.6	5,004.2	4,978.0	4,958.3	4,986.4	4,991.3	4,985.0	4,974.2	r4,977.6	4,990.4	r 4,988.6	r4,984.1	5,016.0	
Components (seasonally adjusted): Currency Demand deposits Other checkable deposits ‡‡ Savings deposits Smith line deposits			254.6	256.0	256.3	256.6	257.6 280.1	259.3	261.3	262.9 280.6	264.8 283.8	266.0	267.3 289.5	269.4 293.8	271.6 - 305.0	271.9 309.6
Other checkable deposits ‡‡			275.9 297.5	276.9 301.3	276.1 302.5	278.4 307.8	311.6		280.1 317.3	320.6	324.5	287.6 329.7	333.2	338.9	7346.1 731.084.3	349.1 31.098.6
Savings deposits Small time deposits Large time deposits			³ 931.0 1,169.5	³ 941.7 1,165.9	³ 953.0 1,159.4	³ 966.1 1,150.9	³ 976.8 1,140.6	1,129.5	³ 994.1 1,120.8	³ 1,002.4 1,111.0		1,079.2	1,042.6 1,063.0	³1,061.3 °1,042.6	1,019.2	1,001.9
Large time deposits @		•••••••	499.6	492.8	487.7	483.5	478.3	471.2	465.5	458.5	450.0	442.2	r 437.1	427.8	r 420.6	413.1
PROFITS AND DIVIDENDS (QTRLY.)																
[Millions of dollars]															, i	
Manufacturing corps. (Bureau of the Census): Net profits after taxes, all manufacturing	111,319	68,888		18,292			22,965			18,499			9,132			
Food and kindred products Textile mill products	16,074 429	19,552 877		4,992 7-15			75,160 202			75,431 7223			3,969 467			
Paper and allied products	4,817 23,412	2,322 21,004		868 5,242			792 5,363			882 5,807			-220 4,592			
Petroleum and coal products	17,967 916	11,047 -1,718		4,889 -542			2,591 103			1,606 264]		1,961 -1,543			
Primary nonferrous metal Primary iron and steel	2,516 583	918 -1,445		467 259			355 51			274 15			-178 -1,150			
Fabricated metal products Machinery (except electrical)	4,638 11,205	3,508 -2,408		7501 -1,238			71,505 90			71,116 793			386 -1,353			
Electrical and electronic equipment Transportation equipment (except motor vehicles	6,409	4,740					r2,214						1,941			
and equipment)	5,065 -552	2,694 -7,607		940 -1,976			71,491 1,294			, 55 -1,678			208 -2,659			
All other manufacturing industries	19,756	15,404		2,550			-4,444			* 5,699			2,711			
Dividends paid (cash), all manufacturing	62,197	59,852		14,613			r14,867			r14,606	{		15,766	***************************************		
SECURITIES ISSUED											}					
[Millions of dollars]							ļ				}					
Securities and Exchange Commission: Estimated gross proceeds, total				***************************************												
By type of security: Bonds and notes, corporate																
Common stock Preferred stock														••••••		
By type of issuer: Corporate, total #																
Manufacturing Extractive		***************************************		***************************************	***************************************											
Public utility		***************************************		*************												
Transportation		***************************************						*************	***************************************							
Financial and real estate State and municipal issues (Bond Buyer):				***************************************		***************************************		************	***************************************	***************************************	***************************************	***************************************	***************************************			
Long-term Short-term	127,933 34,693	171,181 43,137	11,962 2,329	11,158 1,981	11,995 2,033	15,279 1,950	16,402 9,252	13,075 3,826	17,893 7,508	13,859 1,236			18,826 2,019	13,991 632	13,960 3,060	
					·						İ					
SECURITY MARKETS [Millions of dollars, unless otherwise indicated]											}					
•																
Stock Market Customer Financing Margin credit at broker-dealers, end of year or month	28.210		28,860	(²)						.,						
Free credit balances at brokers, end of year or month:				,,				,								
Margin-account	8,050 19,285		7,190 19,435	(2) (2)			***************************************									
Bonds	13,200	***************************************	15,400	()	***************************************	***************************************	***************************************			***************************************						1
Prices:											1					
Standard & Poor's Corporation, domestic municipal (15 bonds), dol. per \$100 bond	66.0	68.8	69.0	67.3	67.1	68.0	66.9	68.1	69.0	69.5	71.4	71.0	71.1	73.0	77.1	70.6
Sales:												-				
New York Stock Exchange, exclusive of some stopped sales, face value, total	10,892.70	12,698.11	1,689.18	1,248.14	1,094.59	1,002.50	854.25	889.76	924.05	880.40	1,104.51	899.00	1,037.61	1,274.73	1,251.32	1,124.58
See footnotes at end of tables																

Franch	Unless otherwise stated in footnotes below, data	Anı	nual						1991							1992	
Powder P	through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Part					6.	FINANC	E—Con	tinued									
**************************************	Bonds—Continued																
Demokracy propries Monthly 9-77 520 6-24 6-	• •								Ì	-	1						
A	Domestic corporate (Moody's)	i				9.33	9.32	9.45	9.42	9.16	9.03	8.99	8.93	8.75	8.64	8.75	8.81
Base 10.58 9.56 5.97 9.57 9.52 5.91 9.54 8.85 5.96 9.55 5.95 9.55 5.95 9.55 5.95 9.55 5.95 9.55 9	Aa	9.56	9.05	9.16	9.21	9.12	9.15	9.28	9.25	8.99	8.86	8.83	8.78	8.61	8.51	8.69	8.73
The control of the	A Baa				9.50 10.09	9.29 9.94		9.55 9.96		9.26 9.65		9.08 9.49	9.01 9.45	8.82 9.26		8.23 9.23	8.89 9.25
Demonster interColor	Industrials Public utilities		9.25 9.21			9.30	9.34 9.29	9.46 9.44	9.42 9.40		9.03	8.98 8.99	8.93			8.77	8.77 8.84
Standard S Port Cup, 19 00001	Domestic municipal:	731	690	7.01	7 14	7.01	6 97	7 13	7.00	6.85	Ì	6.69		6.58	6.65	6.74	
Processor Shocks Does does Section S	Standard & Poor's Corp. (15 bonds)	7.25	7.45	6.90	7.07	7.05	6.95	7.09	7.03	6.89	6.80	6.59	6.64	6.63	6.41	6.67	
Des John energes (15 mods)		8.74	0.10	6.72	0.30	0.23	6.33	0.54	0.50	, 0.17	7.30	7.00	7.65	7.50	7.40	7.70	7.33
Public subtly (16 socked)	Prices: Dow Jones averages (65 stocks)	965.24		1,022.63		1,043.14	1,049.29	1,062.35	1,060.65	1,069.71	1,067.44	1,087.94	1,082.22	1,077.52	1,166.27	1,174.23	1,169.58
Standard & Poort Corporation, 1941-43-10 grade of Poort Corporation, 1941-43-10 grade of Poort Corporation (1941-43-10) grade	Industrial (30 stocks)	2,678.94 211.53	210.32	2,863.04 213.69	213.15	214.36	211.18	2,968.13 204.62	2,978.18 199.64	204.42	3,010.35 208.03	213.54	216.67	219.27	215.72	206.84	204.38
Combined Indice (500 Stocks) 33.5.07 30.2.03 37.5.07 37.5.	Standard & Poor's Corporation, 1941-43=10	1,040.24	1,170.22	1,110.26	1,113.24	1,139.05	1,167.55	1,205.08	1,204.56	1,204.66	1,182.39	1,283.07	1,237.09	1,233.31	1,378.73	1,412.23	1,408.98
Ceptel pooks 262.47 300.68 306.68	Combined index (500 Stocks)		376.17	362.26				378.29	380.23	389.40		386.88					
Utilise (40 Sinche) Triangonation (20 Soboles), 1985-170 141-50 1	Capital goods	282.47	300.66	309.18	308.68	306.43	302.67	309.36	306.25	309.28	303.57	300.65	294.10	290.14	320.61	322.78	317.67
## Faircode (1994) 202-05 226-05	Utilities (40 Stocks)	140.16	141.95	143.19	142.84	143.13	138.66	135.73	137.75	140.88	142.84	144.54	146.66	148.81	149.70	143.06	139.45
Money cinete barks	Railroads	202.85	248.19	218.40	214.22	222.37	233.56		247.47	258.97		290.59	293.12	291.18	302.20	304.54	298.38
Prioperly-Gassably Insurance 342.56 373.56 391.74 394.65 391.25	Money center banks	85.50	90.36	82.99	81.17	88.43	90.36	94.36	91.89	98.94	97.57	99.10	96.41	92.72	105.13	110.59	108.84
162-165-565 163-66 163-6	Property-Casualty Insurance	342.56														401.84	
Triansportation 15.55 75.76 75.77 75.76 75.75 75	12/31/65=50:	103.46	205.48	107.75	203 56	207 71	206.02	207 21	208.20	212 22	212.54	212.00	212.25	204.11	220 33	228 11	225 21
Unity 90.00 150	Industrial	225.78	257.09	246.74	255.36	260.14	260.13	261.16	262.48	268.21	266.21	265.68	264.88	253.42	286.62	286.09	282.35
Composite, 2677-100	Utility	90.60	92.26	92.08	92.29	92.92	90.75	89.00	90.05	92.38	93.71	95.24	96.77	93.38	99.30		
Industrial (1997) 1997 (1997)		409.21	491,56	442.59	469.10	496.32	490.93	490.38	489.34	513.25	520.56	528.92	536.58	544.10	615.73	632.05	619.60
NASDAD-MAKS composite, 77064-100 179 36.8 217.09 186.23 207.51 197.17 127.62 219.27 21	IndustrialInsurance	471.43	535.65	509.23	532.17	562.43	554.37	546.64	541.50	542.98	538.78	531.88	556.99	561.90	617.22	624.69	617.56
Yesks (Standard & Poor's Corp.), percent Valdidis (400 stocks)	NASDAQ/NMS composite, 7/10/84=100	179.36	217.09	196.23	207.51	219.21	216.55	216.34	215.87	226.77	229.72	233,23	236.64	240.48	272.66	279.32	273.67
Industrials (400 stocks)	Yields (Standard & Poor's Corp.), percent.	· ·										230.10					
Transportation (20 stocks)	Industrials (400 stocks)	3.16	2.82	2.93 5.94	2.84	2.77	2.79	2.79	2.76	2.67	2.73		2.75	2.73	2.55	2.59	
Sales: Total on all registered exchanges (SEC):	Transportation (20 stocks)	2.56	2.30	2.47	2.50	2.42	2.33 3.71	2.24 3.68	2.26 3.70	2.19	2.19 3.48	2.07	2.09 3.28	2.08 3.21	2.00 2.92	1.90 2.84	
Total on all registered exchanges (SEC): Market value, mil. \$ 1,11,687 1,776,305 165,070 168,715 159,472 149,994 138,210 134,465 166,688 127,651 152,760 157,817 154,862 213,054 177,051 152,760 New York Stock Exchange: Market value, mil. \$ 189,094 1,531,813 142,066 145,301 137,534 128,620 122,001 116,659 133,673 130,675 132,782 182,510 152,510 1	Preferred stocks, 10 high-grade			8.46			8.21	8.26	8.15	8.03	7.81	7.93	7.81	7.62	7.54	7.54	7.64
Shares Sold, Wellingtons	Total on all registered exchanges (SEC): Market value, mil. \$	1,611,667	1,776,305	165,070	168,715		149,994			156,668							
Shares sold (cleared or settled), millions. New York Stock Exchange; Exclusive of odd-fol stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sold provided of the stock sales (sales effected), millions and sales (sale	On New York Stock Exchange:	· .			·			i i							i I		
Exports (mdse), incl. reexports, total @ 39,893 4 421,850.7 32,828 8 6,797.0 38,110.2 421,850.7 33,994.4 421,850.7 33,994.4 421,850.7 33,994.2 421	Shares sold (cleared or settled), millions						3,852	3,548									
NASDAQ over-the-counter: Market value, mil. \$	Exclusive of odd-lot stock sales (sales effected), millions	39,665	45,267	4,273	3,900	4,011	3,742	3,259	3,458	3,773	3,247	4,085	3,727	4,156	5,268	4,292	4,082
Shares isted, NYSE, end of period: Market value, all listed shares, bil. \$ 2,819.78 Number of shares listed, millions of dollars] Exports (mdse), incl. reexports, total @ Seasonally adjusted † Western Europe 112.974.6 118,723.3 9,802.4 112,974.6 118,723.3 9,802.7 10,448.3 10,790.8 10,448.8 10,450.8 10,470.8 10,470.8 10,470.8 10,470.8 10,470.8 10,470.8	NASDAQ over-the-counter: Market value, mil. \$	377,468	693,854	56,767	55,754	66,434		46,976			55,614			64,893			
Market value, all listed shares, bit. 5	Shares sold, millions						, i			·					·		
VALUE OF EXPORTS [Millions of dollars] Exports (mdse,), incl. reexports, total @ 393,893.4 421,850.7 32,882.8 36,797.0 36,110.4 36,135.6 35,573.1 33,506.7 33,583.6 34,508.3 37,922.8 36,580.8 35,083.1 734,468.8 36,785.1 34,974.6 35,227.1 34,974.6 35,227.1 34,974.6 35,227.1 34,974.6 35,227.1 34,974.6 35,227.1 34,974.6 37,813.5 36,938.5 35,887.1 73,406.2 37,814.6 Western Europe 112,974.6 118,723.3 9,517.7 11,837.0 10,882.8 10,087.8 9,786.2 8,984.9 8,266.4 9,201.0 10,182.2 9,978.0 10,178.0 9,562.0 10,791.5 European Economic Community 98,026.8 103,208.5 8,307.2 10,134.9 9,383.3 8,753.7 8,620.7 7,956.2 7,514.3 7,927.5 8,828.1 8,678.3 8,784.4 8,542.9 9,373.7 Belgium and Luxembourg 13,652.2 15,365.4 1,320.7 1,567.5 1,391.4 1217.3 1,180.5 1,238.1 1,115.2 1,302.1 1,176.1 1,285.6 1,286.1 1,423.7 Federal Republic of Germany 218,659.3 21,316.5 1,653.0 1,919.2 2,293.4 1,779.5 1,788.5 1,940.9 1,511.6 1,625.6 1,621.8 1,791.7 1,765.9 1,962.4 1,419.4 1,668.2 1,226.3 1,169.9 1,212.9 1,124.7 1,355.9 982.8 92.9 888.4 661.3 1,364.0 1,275.3 1,275.5 1,163.9 1,523.1 United Kingdom 22,484.1 22,063.4 1,668.2 2,226.3 1,914.9 1,858.0 1,997.7 1,579.1 1,779.5 1,779.5 1,795.5 1,997.6 1,997.7 1,759.1 1,779.5 1,997.6 1,997.7 1,759.1 1,779.5 1,997.6 1,997.7 1,759.1 1,779.5 1,997.6 1,997.7 1,759.1 1,779.5 1,997.6 1,997.7 1,759.1 1,779.5 1,997.6 1,997.7 1,759.1 1,779.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.6 1,997.7 1,759.1 1,759.5 1,997.6 1,997.6 1,997.6 1,997.6 1,997.6 1,997.6 1,997.6 1,997.6 1,997.6 1,997.6 1,9	Market value, all listed shares, bil. \$ Number of shares listed, millions																
Exports (mdse.), incl. reexports, total @ 393,893.4 421,850.7 32,682.8 36,797.0 36,110.4 36,135.6 35,573.1 33,506.7 33,583.6 34,508.3 37,922.8 36,580.8 35,063.1 734,468.8 36,785.1 33,599.4 34,030.7 35,682.1 35,271.2 34,974.6 35,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1				7. F	OREIGN	TRADE	OF THE	UNITED	STATES	3							
Exports (mdse.), incl. reexports, total @ 393,893.4 421,850.7 32,682.8 36,797.0 36,110.4 36,135.6 35,573.1 33,506.7 33,583.6 34,508.3 37,922.8 36,580.8 35,063.1 734,468.8 36,785.1 33,599.4 34,030.7 35,682.1 35,271.2 34,974.6 35,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 34,380.0 35,347.8 37,113.5 36,938.5 35,887.1 735,406.2 37,814.6 38,227.1 38,227.1 38,228.1 38,227.1 38,228.1 38,	VALUE OF EXPORTS																
Seasonally adjusted † 33,599.4 34,030.7 35,632.1 35,271.2 34,980.0 35,347.8 37,113.5 36,938.5 35,887.1 35,406.2 37,814.6 Western Europe 112,974.6 118,723.3 9,517.7 11,837.0 10,882.8 10,878.8 9,786.2 8,984.9 8,626.4 9,201.0 10,182.2 9,780.0 10,178.0 9,562.0 10,791.5 9,791.5 9,791.5 8,620.7 7,966.2 7,596.2 7,596.2 7,596.2 7,596.2 7,987.3 8,678.3 8,784.4 8,542.9 9,373.7 9,787.5 8,620.7 7,966.2 7,596.2 7,596.2 7,596.2 7,597.5 8,628.1 8,678.3 8,784.4 8,542.9 9,373.7 9,787.5 8,620.7 7,966.2 7,596.2 7,596.2 7,591.3 7,927.5 8,628.1 8,678.3 8,784.4 8,542.9 9,373.7 9,787.5 8,620.7 7,987.3 9,27.7 7,983.3 1,115.2 1,302.1 1,176.1 1,285.6 1,328.6 1,1,423.7 1,423.7 1,423.7 1,423.7 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																	
Western Europea 112,974.6 118,723.3 9,517.7 11,837.0 10,882.8 10,878.8 8,984.9 8,626.4 9,201.0 10,182.2 9,978.0 10,178.0 9,622.0 10,791.5 9,026.8 103,208.5 8,307.2 10,134.9 9,383.3 8,753.7 8,520.7 7,956.2 7,514.3 7,927.5 8,628.1 8,678.3 8,784.4 8,542.9 9,373.7 8,784.2 8,627.4 8,6	Exports (mdse.), incl. reexports, total @	393,893.4	421,850.7			36,110.4 35,632.1											
Belgium and Luxembourg 10,448.3 10,790.8 970.1 1,110.2 979.3 904.2 863.7 792.7 918.0 832.7 879.2 869.1 748.2 766.7 832.4 863.4 578.5 1,940.9 1,510.5 1,285.6 1,326.6 1,188.1 1,423.7 1,180.5 1,285.6 1,326.6 1,180.1 1,40.3 1,791.7 1,765.9 1,962.4 1,179.5 1,788.5 1,940.9 1,511.6 1,625.6 1,621.8 1,740.3 1,791.7 1,765.9 1,962.4 1,179.5 1,788.5 1,940.9 1,511.6 1,625.6 1,621.8 1,740.3 1,791.7 1,765.9 1,962.4 1,179.5 1,788.5 1,940.9 1,511.6 1,625.6 1,621.8 1,740.3 1,791.7 1,765.9 1,962.4 1,179.5 1,788.5 1,940.9 1,511.6 1,625.6 1,621.8 1,740.3 1,791.7 1,765.9 1,962.4 1,179.5 1,789.7 1,	Western Europe		118,723.3 103 208 5	9,517.7	11,837.0	10,882.8	10,087.8	9,786.2	8,984.9	8,626.4	9,201.0	10,182.2	9,978.0	10,178.0	9,562.0	10,791.5	
Federal Republic of Germany 218,693.3 21,316.5 1,653.0 1,919.2 2,293.4 1,779.5 1,785.5 1,940.9 1,511.6 1,625.6 1,621.8 1,740.3 1,791.7 1,765.9 1,962.4	Belgium and Luxembourg France	10,448.3 13,652.2	10,790.8 15,365.4	970.1	1,110.2 1,567.5	979.3 1,391.4	904.2 1.217.3	863.7 1.180.5	792.7 1,238.1	918.0	832.7 1,302.1	879.2 1,176.1	869.1 1,285.6	748.2 1,326.6	766.7 1,188.1	832.4 1,423.7	
United Kingdom	Federal Republic of Germany Italy	² 18,693.3 7,987.3	21,316.5 8,578.5	1,653.0 664.4	1,919.2 842.0	2,293.4 720.7	1,779.5 788.3	1,788.5 787.5	1,940.9 580.3	1,511.6 570.9	1,625.6 624.0	1,621.8 682.5	1,740.3 752.2	1,791.7 924.4	1,765.9 772.9	1,962.4 740.0]
Eastern Europe	United Kingdom	23,484.1	22,063.4	1,668.2	2,226.3	1,914.9	1,858.0	1,997.7	1,579.1	1,727.2	1,628.6	2,161.0	1,753.5	1,697.6	1,794.6	1,903.0	
Coort from the first of the fir	USSR (former)		4,785.5 3,577.6				248.2 155.3							494.0 357.3			

Unless otherwise stated in footnotes below, data	An	nual						1991							1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		7.	FOREIG	N TRAD	E OF TH	E UNITE	D STAT	ESCoi	ntinued							
VALUE OF EXPORTS—Continued																
[Millions of dollars]																
Exports (mdse.), incl. reexports—Continued										1				1		}
Western Hemisphere: Canada ◊	83,865.5	85,102.5	6,369.5	7,085.4	7,604.0	7,679.1	7,451.4	6,473.6	6,763.6	7,445.8	8,282.5	7,044.8	6,124.9	6,949.2	6.999.6	
Brazil	5,061.9	6,154.1	388.3	421.3	460.6	495.4	465.7	537.8	619.7	693.4	488.8	617.2	617.6	443.2	460.3	
MexicoVenezuela	28,375.3 3,107.2	33,275.6 4,668.2	2,355.6 315.0	2,346.8 358.9	2,763.9 399.0	2,843.8 401.7	2,866.4 424.5	2,922.9 416.4	2,842.8 370.3	2,740.2 407.6	3,223.5 442.9	3,060.2 450.7	2,908.8 385.0	3,071.8 357.4	3,200.1 390.2	
Asia:																
China	4,807.2 6.840.6	6,286.8 8,140.5	486.3 590.9	472.9 629.7	437.5 748.0	630.9 645.8	505.8 610.4	538.5 580.6	560.1 788.7	470.8 757.4	570.9 644.4	621.5 745.0	580.6 683.8	503.2 629.8	470.5 658.9	
Japan Republic of Korea	48,584.8 14,398.7	48,146.5 15,518.4	4,263.0 1,231.0	4,240.5 1,352.0	3,907.9 1,244.2	4,255.9 1,365.7	3,958.8 1,173.5	3,851.3 1,281.6	4,020.8 1,163.0	3,661.7 1,256.4	4,217.0 1,265.1	4,348.1 1,403.1	3,602.0 1,321.1	3,660.8 1,473.4	4,417.0 1,202.5	
Saudi Arabia	4,034.8	6,572.2	392.7	627.6	582.7	507.3	492.2	497.2	482.2	628.9	566.2	609.7	676.0	647.7	621.1	
Singapore Taiwan	8,019.1 11,482.3	8,807.8 13,191.1	776.7 1,020.2	847.1 1,037.0	656.7 987.8	810.7 1,069.2	914.4 1,183.8	666.1 1,171.3	592.8 1,205.8	648.4 1,120.3	692.3 997.8	705.4 1,144.8	703.2 1,237.5	648.3 1,029.7	676.0 1,141.1	
Africa:			.,	.,				,	•	·		, i				
NigeriaRepublic of South Africa	551.5 1,732.4	832.9 2,086.3	51.1 134.3	58.9 170.8	60.2 161.1	54.5 152.6	85.7 270.3	63.4 145.2	68.2 173.8	105.2 170.0	67.4 142.1	97.9 158.5	64.7 148.8	67.0 135.2	100.6 134.1	
Australia	8,534.7	8,416.2	706.5	592.3	599.1	581.5	739.1	756.7	726.8	767.0	861.4	806.9	675.4	607.3	607.0	1
OPEC	13.678.7	19,083.5	1,254.1	1,594.2	1,594.1	1,572.8	1,543.2	1,636.9	1,448.4	1,740.1	1,777.0	1,780.1	1,861.3	1,838.0	1,789.7	1
Exports of U.S. merchandise, total @	375,454.2	400,839.1	31,138.8	34,782.4	34,433.1	34,398.6	33,869.6	31,887.0	31,906.2	32,700.4	35,972.8	34,654.6	33,333.0	32,766.9	35,000.6	
By commodity groups and principal commodities:																
Agricultural products, total	38,783.4 341,914.0	38,462.7 362,379.8	3,434.9 27,687.3	3,580.1 31,164.5	3,084.5 31,271.6	3,030.1 31,402.6	2,586.4 31,159.8	2,866.5 29,035.9	2,788.0 28,910.1	2,803.0 29,972.6	3,330.1 32,258.7	3,954.7 31,243.2	3,839.7 29,729.7	3,592.0 29,305.8	3,786.4 31,214.2	
Food and live animals #	29,280.0	29,555.0	2,538.6	2,621.6	2,303.3	2,285.9	2,104.7	2,462.4	2,476.8	2,435.5	2,693.4	2,864.3	2,642.0	2,442.1	2,959.7	
Beverages and tobaccoCrude materials, inedible, exc. fuels #	7,118.6 26,984.9	6,750.3 25,462.0	646.6 2,358.1	649.0 2,469.5	549.9 2,197.8	619.2 2,237.3	461.1 1,980.8	451.8 1,861.8	498.3 1,817.7	451.7 1,711.9	601.6 1,978.2	561.6 2,230.8	494.5 2,328.9	454.3 2,217.9	509.3 2,260.5	
Mineral fuels, lubricants, etc. # Oils and fats, animal and vegetable	12,174.8 1,190.6	12,033.2 1,147.1	1,304.7 75.6	938.4 86.8	732.4 107.1	1,066.5 77.1	924.8 67.8	970.6 126.8	956.0 99.3	892.8 110.6	979.4 87.4	1,007.5 117.7	1,054.4 103.4	1,000.8 118:9	864.1 122.7	
Chemicals	38,983.3	42,966.7	3,591.6	3,923.4	3,848.4	3,913.6	3,439.7	3,455.2	3,469.5	3,320.3	3,754.1	3,408.8	3,291.9	3,594.1	3,466.9	
Manufactured goods class, chiefly by material Miscellaneous manufactured articles	31,670.3 39,285.3	35,566.0 43.162.2	2,753.6 3,209.3	2,914.0 3.659.8	3,108.9 3,625.0	3,146.8 3,644.9	3,059.7 3,683.3	2,960.6 3,519.4	3,065.0 3,498.3	2,975.0 3,657.3	3,182.6 4,009.0	2,905.0 3,761.1	2,682.1 3,627.3	2,946.5 3,709.4	2,895.1 3,822.1	
Machinery and transport equipment, total Motor vehicles and parts	172,521.9 26,656.3	187,359.9 28,175.1	13,216.5 1,880.0	16,176.6 2,310.5	16,419.4 2,571.6	16,066.9 2,696.9	16,732.9 2,569.4	14,702.8 1,993.8	14,302.7 1,988.9	15,877.2 2,530.0	16,845.9 2,787.2	16,916.5 2,555.6	15,833.5 2,123.7	14,823.6 1,997.0	16,713.6 2,543.5	
· · · · · · · · · · · · · · · · · · ·	20,030.3	20,173.1	1,000.0	2,510.5	2,011.0	2,030.3	2,503.4	1,555.0	1,300.3	2,000.0	2,707.2	2,000.0	2,120.7	1,551.0	2,040.0	
VALUE OF IMPORTS]	j	1
[Millions of dollars]		400 000 4	07.045.5			10.101.0	20 101 5	44 000 0	44 000 0	44 505 3	40.540.5	44.050.0	40.7 <u>5</u> 0.0	-20 007 0	20.004.5	1
General imports, total @	494,903.2	488,055.4	37,015.5 39,103.4	38,670.2 38,100.4	39,529.0 40,139.1	40,121.2 40,061.5	39,434.5 38,763.7	41,282.6 41,176.3	41,023.6 40,910.1	41,505.7 42,282.1	46,512.5 43,433.9	41,858.0 41,109.1	40,750.3 41,886.3	739,867.2 741,355.4	39,064.5 41,197.5	
Western Europe	108,901.1	102,596.5	8,154.5	8,657.2	8,775.4	8,767.7	8,053.1	8,999.1	7,917.9	7,921.7	9,659.6	8,263.7	9,066.6	7,867.6	8,163.2	
European Economic Community Belgium and Luxembourg	91,867.5 4,578.5	86,480.9 4,138.7	6,891.5 323.8	7,316.4 364.1	7,371.4 397.8	7,387.01 365.91	6,751.9 300.5	7,750.6 421.7	6,866.2 217.3	6,520.9 300.0	8,094.5 445.8	6,930.9 339.7	7,620.4 312.6	6,666.0 301.9	6,900.7 381.3	
France	13,124.0	13,372.1	1,027.0	1,116.7	1,161.9	1,064.5	1,150.8	1,318.1	1,028.4	1,018.5	1,153.3	1,003.9	1,262.7	1,076.7	1,082.9	
Federal Republic of GermanyItaly	328,108.7 12,723.3	26,229.3 11,787.4	2,215.8 973.1	2,369.9 974.4	2,304.2 934.9	2,183.1 962.4	1,917.1 968.3	2,153.5 1,134.7	1,975.6 1,064.3	1,963.1 755.9	2,460.5 1,055.9	2,217.6 992.8	2,395.5 1,009.0	2,000.4 861.1	2,027.6 877.5	
Netherlands United Kingdom	4,971.9 20,288.2	4,827.0 18,519.6	334.8 1,427.2	386.2 1,523.6	381.8 1,567.4	407.1 1,701.1	335.1 1,476.0	432.2 1,602.6	503.6 1,475.4	378.2 1,510.0	534.0 1,687.0	365.3 1,421.6	450.3 1,568.7	362.9 1,511.7	367.7 1,538.2	
Eastern Europe	2,275.2	1,809.8	141.3	207.7	137.2	165.6	95.7	174.2	159.8	115.3	160.3	131.5	165.9	197.5	129.5	ı
USSR (former)	1,065.4	812.9	66.2	118.9	56.6	82.3	23.9	84.4	82.7	38.2	78.1	47.5	67.4	⁴100.2	44.6	
Western Hemisphere: Canada	91,372.1	91,141.1	6,875.6	7,498.0	7,892.8	8,036.5	7,893.1	6,914.1	7,480.0	7,718.8	8,592.8	7,972.1	7,040.2	7,137.5	7.688.3	
Brazil	7,976.4	6,726.8	553.8	438.6	696.7	540.3	510.0	585.9	528.7	494.8	518.3	649.7	536.8	622.9	626.3	
MexicoVenezuela	30,172.3 9,446.4	31,194.3 8,228.4	2,236.6 563.6	2,412.3 633.1	2,682.4 598.2	2,639.9 690.8	2,569.5 592.3	2,473.1 787.1	2,660.4 646.9	2,683.5 739.3	3,161.2 670.6	2,787.4 741.3	2,408.1 658.9	2,493.0 571.9	2,615.2 534.9	
Asia:	·	·				1										1
China	15,223.8 9,488.0	18,975.8 9,286.4	1,259.7 616.7	974.3 541.1	1,106.6 596.7	1,374.3 680.2	1,528.3 736.7	1,815.3 909.6	1,867.3 855.0	1,932.3 886.0		1,961.8 875.7	1,608.6 743.4	1,903.8 843.1	1,703.9 637.4	
Hong Kong	89,655.1	91,582.7	7,422.2	7,815.5	7,255.2	6,687.7	7,190.0	7,648.7	7,757.4	7,844.2	8,855.3	7,761.3	8,063.8	7,477.4	7,383.5	
Republic of KoreaSaudi Arabia	18,493.3 9,974.3	17,024.5 10,978.2	1,177.9 870.5	1,233.2 850.5	1,313.7 832.3	1,424.4 1,082.7	1,370.6 833.2	1,624.7 832.2	1,486.9 1,029.0	1,443.2 939.8	1,571.1 885.0	1,459.6 805.1	1,417.9 815.2	1,368.3 896.7	1,181.3 764.1	
Singapore	9,839.4 22,666.8	9,976.3	690.7 1,695.3	797.5 1,525.0	782.3 1,708.7	736.3 1,820.7	895.9 1,876.5	797.3 2,065.2	793.6 2,113.9	918.3 2,149.0	937.6	905.2 1,985.5	926.3	859.1 2,015.7	708.3 1,785.0	
Taiwan	22,000.0	23,036.3	1,095.3	1,525.0	1,700.7	1,020.7	1,070.5	2,000.2	2,113.9	2,149.0	2,211.5	1,900.0	2,000.7	2,013.7	1,765.0	
Nigeria	5,977.2	5,360.1	422.1	507.7	460.2	482.9	476.1	501.7	504.5	380.0	456.4	394.5	305.5	340.6	142.9	.1
Republic of South Africa	1,700.6	1,733.3	144.5	149.0	161.9	174.8	149.5 397.5	153.1 340.5	137.0 337.4	116.4 380.6	152.5 311.1	107.9 304.2	116.6 285.5	116.7 364.6	119.7 263.7	
Australia	4,441.7 38,017.0	4,010.0 32,960.6	289.0 2,580.0	288.8 2,563.7	336.8 2,573.8	343.0 2,945.7	2,572.6	2,718.3	2,858.1	2,781.9	2,901.6	2,634.5	2,532.5	2,573.1	2,155.2	
By commodity groups and principal commodities:	30,017.0	02,300.0	2,000.0	2,500.7	2,070.0	2,040.1	2,072.0	2,110.0	2,000	2,701.0	2,001.0	2,001.0	2,002.0		_,,,,,,,	1
Petroleum and products	61,356.8															
Nonpetroleum productsFood and live animals #	433,902.6 21,932.5	21,952.3	1,754.2	1,885.5	1,998.2	1,952.8	1,862.6	1,724.6	1,678.4	1,743.7	1,764.0	1,804.3	1,900.2	1,959.1	1,811.0	
Beverages and tobacco	4,633.1 14,524.0	4,822.6 13,079.0	298.2 1,038.5	336.0 1,040.1	386.8 1,157.4	416.2 1,132.3	368.8 1,120.6	394.5 1,132.6	415.8 1,077.1	393.7 1,080.3	553.0 1,095.7	421.1 1,057.8	453.1 1,033.2	363.0 1,119.1	349.6 1.091.5	
Mineral fuels, lubricants, etc	64,561.5	54,342.7	4,072.0	4,057.2	4,340.1	4,926.6	4,337.4	4,289.6	4,890.4	4,631.5	4,524.1	4,292.8	4,285.0	3,992.2	3,489.9	
Oils and fats, animal and vegetable	802.3 22,468.2	856.7 24,168.7	70.7 1,919.2	75.4 2,011.0	68.4 2,064.9	74.9 2.004.8	69.0 1,952.7	76.4 2,075.0	62.4 1,918.4	71.3 1.937.5	81.9 2,250.0	72.4 1,870.3	70.1 2,202.1	70.6 2,243.3	65.4 2.150.9	
Manufactured goods class, chiefly by material	59,914.2	57,418.9	4,557.7	4,579.1	4,930.3	4,876.5	4,552.0	5,140.3	4,590.0	4,638.2	5,357.3	4,725.5	4,501.4	4,731.3	4,463.6	
Miscellaneous manufactured articles	81,477.6 208,095.7	83,389.6 210,786.5	5,978.8 16,140.5		5,902.2 17,503.2	6,198.7 16,741.0	6,598.8 17,157.6		7,525.5 17,489.0	7,716.8 17,852.8	8,962.1 20,455.4	7,551.2 18,287.3		7,051.2 16,953.4	6,757.8 17,199.4	
Motor vehicles and parts	69,382.1	67,525.4	5,162.6	5,628.5	5,510.4	5,286.6	5,427.0	4,980.5	5,622.0	5,718.5	6,981.7	6,079.4	5,768.3	5,431.0	5,523.4	
MERCHANDISE TRADE BALANCE *																
[Millions of dollars]																1
Trade balance:	101 710 0		4 200 -	1 070 0	9 448 0	_2 005 0	-3 004 4	_7 77E ^	_7440.0	_6 007 4	_0 500 7	_ = 077 0	_E 607 0	r_E 200 4	_2 270 4	İ
Not seasonally adjustedSeasonally adjusted	-101,718.2		-4,332.7 -5,504.0	-1,873.2 -4,069.7	-3,418.6 -4,507.0	-3,985.6 -4,790.3	-3,861.4 -3,789.1	-7,775.9 -5,949.2	-7,440.0 -6,530.1	-6,997.4 -6,934.3	-8,589.7 -6,320.4	-5,277.2 -4,170.6		7-5,398.4 7-5,949.2	-2,279.4 -3,382.9	
[Billions of 1987 dollars]																Į
	,)		l '	1	1									i		l
Seasonally adjusted:						1		'		1		!			A ==!	
Seasonally adjusted: Trade balance Exports	-85.24 366.80		-4.47 31.07	-3.33 31.55	-4.02 33.04	-4.37 32.82	-3.62 32.60	-5.69 33.01		-6.32 33.19	-5.45 34.74	-3.42 34.64		′ –5.26 ′ 33.47		

Unless otherwise stated in footnotes below, data	Anı	nual						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		7.	FOREIG	N TRAD	E OF TH	E UNITE	D STAT	ES—Cor	itinued				-	•		
Export and import Price Indexes * [1985=100]														·		:
All exports Agricultural exports Nonagricultural exports	113.8 108.8 114.9	114.7 107.0 116.1	115.2 106.3 116.9	115.1 106.5 116.7	115.1 107.8 116.4	114.8 108.1 116.0	114.7 107.9 116.0	113.9 103.8 115.7	114.3 107.1 115.5	114.2 105.8 115.6	115.0 109.5 115.9	115.1 109.2 116.1	114.4 106.3 115.8	113.9 105.2 115.4	114.7 108.4 116.0	
All imports	123.2 87.4	133.7 76.2	124.6 80.6	124.5 77.2	123.5 76.2	123.3 75.7	122.4 73.2	121.6 71.9	122.0 74.8	122.3 68.8	123.3 72.7	123.8 72.7	123.3 72.6	122.9 65.8	123.3 65.7	
Nonpetroleum imports	129.5	131.6	132.5	132.9	132.0	131.7	131.1	130.5	130.4	130.7	131.4	131.7	132.3	133.1	133.5	
Waterborne trade: Exports (incl. reexports): Shipping weight, thous. metric tons Value, mil. \$	372,052 150,737	389,562 162,346	33,395 13,474	32,963 14,232	28,757 13,861	33,299 14,061	29,658 12,657	32,275 13,163	32,972 12,866	32,171 12,658	33,234 14,178	36,101 13,770	35,172 14,302			***************************************
General imports: Shipping weight, thous. metric tons	495,239 283,392	448,852 272,286	31,002 20,615	32,371 20,668	37,168 21,545	41,880 21,876	38,454 21,875	41,033 23,556	41,121 23,503	40,052 23,269	37,975 25,775	34,168 22,866	37,444 22,987			
		•	8. TF	RANSPO	RTATIO	N AND C	OMMUN	licatioi	N							
TRANSPORTATION																
Air Carriers Certificated route carriers:																
Passenger-miles (revenue), billions	r 457.93 62.4	447.80 62.6	28.52 56.2	34.28 59.8	35.20 63.2	37.47 63.4	40.84 66.7	44.03 68.0	46.75 71.2	36.94	38.08 61.7	33.78 58.4	37.48 62.5			
Passenger-load factor, percent	⁷ 58,342	56,889	3,700	4,402	4,451	4,729	5,101	5,426	5,728	61.2 4,702	4,958	4,479	4,798			
Operating revenues (quarterly), mil. \$ § Passenger revenues, mil. \$	75,967 58,426			17,518 12,873			19,019 14,458			20,013 15,638						
Cargo revenues, mil. \$	5,435 970			1,277 229			1,311 224			1,421 217			***************************************		***************************************	
Operating expenses (quarterly), mil. \$ §	77,881 -3,994			18,903 1,339			18,921 356			19,689 -135						
Domestic operations: Passenger-miles (revenue), billions Cargo ton-miles, millions Mail ton-miles, millions	r 340.23 r 5,075 r 1,489	332.41 4,946 1,411	23.25 349 95	27.16 399 112	27.37 387 110	27.80 419 115		31.63 412 106	33.05 439 115	25.76 418 104	27.66 477 123	24.98 444 120	28.12 398 166			
Operating revenues (quarterly), mil. \$ §	57,991 59,004			13,506 14,254			14,289 14,069			14,360 14,144						
Net income after taxes (quarterly), mil. \$ § International operations:	-3,440	***************************************		-747			166			-168	***************************************		***************************************			***************************************
Passenger-miles (revenue), billions Cargo ton-miles, millions Mail ton-miles, millions	117.70 75,471 7513	115.39 5,259 493	372	7.13 423 39	7.83 397 37	9.67 410 39	39	12.41 466 38	13.70 458 42	11.18 446 39	10.42 507 43	8.80 488 49	9.35 427 60	***************************************		
Operating revenues (quarterly), mil. \$ §	17,976 18,878 554		***************************************	4,012 4,649 592			4,729 4,853 191			5,653 5,545 32						
Urban Transit Industry Passengers carried, total, millions ††	r8,671	8,484	r 698	[,] 758	r 723	7732	r 676	r668	r 674	r681	766	698	675			
Motor Carriers Carriers of property, large, class I, qtrly.: Number of reporting carriers, number	100	100		100		 	100			100			100			
Operating revenues, total, mil. \$	21,810	22,091		5,030	***************************************		5,446			5,777			5,840	-		
charges and credits, mil. \$	442	314		8			118		***************************************	143			58			
carrier service, mil. tons Freight carried—volume indexes, class I and II	172	178		42			46		***************************************	45			47			
reight carned—volune mokes, class Fand if intercity truck tornage (ATA): Common carriers of general freight, seas. adj., 1967=100 ‡‡	174.8	r 182.1	174.8	169.2	180.2	176.8	176.2	188.0	189.5	188.2	189.6	189.4	r 185.0	r 196.0	194.4	
Class i Railroads ‡ Financial operations, quarterly (AAR), excluding																
Amtrak: Operating revenues, total, mil. \$ #	/28,516	***************************************		6,778			6,842			7,093						
Freight, mil. \$	⁷ 27,616 ⁷ 94			6,554 23			6,617 24			6,870 24						
Operating expenses, mil. \$	124,736 12,676			6,188 380			6,659			6,763 253						
Ordinary income, mil. \$ †	1,953			430			155 76			253 148					***************************************	
Traffic: Revenue ton-miles, qtrly. (AAR), billions	1,034.0	1,034.5		254.2			251.7			266.0	***************************************		r 267.0	² 78.3	² 104.5	²83.
Producer Price Index, line haul operations, 12/ 84=100	107.5	109.3	108.9	109.5	109.5	109.6	109.5	109.6	109.3	109.2	109.3	109.4	109.4	109.3	109.5	109.
Travel Lodging industry:																
Restaurant sales index, same month 1967=100 Hotels: Average room sale, dollars \(\)																
Rooms occupied, % of total		***************************************									***************************************					
Rooms occupied, % of total Economy hotels: Average room sale, dollars ◊ Rooms occupied, % of total																
Foreign travel: U.S. citizens: Arrivals (quarterly), thousands	19,505		² 978	² 1,328	² 1,362							 		ļ		
Departures (quarterly), thousands Aliens: Arrivals (quarterly), thousands	/ 19,022 / 16,908		² 959 ² 876		² 1,334 ² 1,198											
Departures (quarterly), thousands	15,024 3,689	3,376	² 790	² 966	² 1,091 351	335	329	315	249		293	359	204	248	275	34
	56,948		•		1	ı	I .	•		i	i	1		1	[J

Unless otherwise stated in footnotes below, data	An	nual	Γ					1991						Γ	1992	
through 1988 and methodological notes are as shown in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		8.	TRANSI	ORTAT	ION AND	COMM	UNICATI	ON—Co	ntinued			'			·	<u> </u>
COMMUNICATION			l	1	ļ								<u> </u>	I	T	T
Telephone carriers:				Ì						}				1		
Operating revenues, mil. \$ #																
Tolls, message, mil. \$																
Net operating income (after taxes), mil. \$										l						
			9	CHEMI	CALS A	ND ALLI	ED PROI	DUCTS	ł	l .		1	J	L	L	L
CUENICALC			<u>`</u>						T					1	i	i
CHEMICALS Inorganic Chemicals				1									}		ł	
Thousands of short tons, unless otherwise indicated				1											1	
Production:			l]	1	}	ļ				1				
Aluminum sulfate, commercial (17% Al ₂ O ₃) Chlorine gas (100% Cl ₂)	1,227 11,810	1,180 11,324		6278 62,795			299 2,715			319 2,268			283 2,247			
Hydrochloric acid (100% HCl) Phosphorus, elemental	3,013 346	2,799 312		668 690			638 80			728 72			739 70	ļ		
Sodium hydroxide (100% NaOH)	12,030	12,197		63,013			2,946			3,129			3,089			
Sodium silicate, anhydrous	879 786	993 768		€216 €236			211 171			243 180			223 173			
Sodium tripolyphosphate (100% Na ₅ P ₃ O ₁₀)	532 1,077	1,093		6132 6272			118 269			⁽⁷⁾ 273			(⁷) 279			
Sulfur, native (Frasch) and recovered:	, i	1,000		İ												
Production, thous. metric tons	10,262	9,494	769	806	776	813	800	837	r 778	771	760	754	² 791	818	749	
tons	1,422	1,237	1,521	1,581	1,474	1,425	1,481	1,460	1,257	1,470	1,415	1,302	r1,499	1,186	1,208	
Inorganic Fertilizer Materials	}			{	Í	1	,	1	1						{	
[Thousands of short tons, unless otherwise indicated]	j														i	
Production: Ammonia, synthetic anhydrous ‡	16,958	17,020		64,245			4,419			4,212			4,144			
Ammonium nitrate, original solution ±	7,107 2,495	7,310 2,230		61,902 6558			1,903 592			1,735 537			1,770 543			
Nitric acid (100% HNO ₃) ‡	7.749	7,524		61,977			1,936	,		1,807			1,804			
Ammonium sulfate ‡ Nitric acid (100% HNO.) ‡ Nitrogen solutions (100% N) ‡ Phosphoric acid (100% P ₂ O ₃) ‡ Sulfuric acid (100% H ₂ SO ₄) ‡	2,853 12,175	3,137 12,342		6807 63,036			829 3,048		,	743 3,119			758 3,139			
Sulfuric acid (100% H ₂ SO ₄) ‡	44,281	43,308		¢10,778			10,610			11,025			10,895			
Superphosphate and other phosphatic fertilizers (gross weight):				}										1		
Production Stocks, end of period	18,887 738	19,418 689		€4,813 €692			4,813 620			4,889 686			4,903 689			
Potash, sales (K ₂ O)	5,700	5,460	327	414	740	735	620 227	236	687	686 346	388	304	454	680	406	
mports:						}										
Ammonium nitrate, thous. metric tons									***************************************							
Potassium chloride, thous. metric tons																
Industrial Gases	ł														Ì	
[Millions of cubic feet]	1															
Production:	E 007	4.567		ر 1,139			1,132			1,109			1,187		Ì	
AcetyleneHydrogen (high and low purity)	5,207 147,840	4,567 141,844		634,826			36,261		***************************************	34,981	***************************************		35,776			
Nitrogen (high and low purity)	749,525 462,293	786,727 471,216		6197,977 6119,221			196,735 118,588			195,905 116,404			196,110 117,003			
Organic Chemicals §		.,-												ĺ		
Thousands of metric tons, unless otherwise indicated														l	ļ	
Production:	440.0	140.4		/50			(5)			/5\			55.7	1		
Acetylsalicylic acid (aspirin) Ethyl acetate	/ 12.8 / 124.3	/ 19.4 / 126.1		(⁵) 31.8 644.2			(⁵) 21.0 704.8			(⁵) 32.7 741.6			29.9			
Formaldehyde (37% HCHO)	72,908.5 286.5	12,913.7 298.1		644.2 79.7			704.8 71.6			741.6 77.6			779.5 69.2			
Methanol, synthetic	43,622.2 426.7	73,925.3 7396.3		839.8 96.7			1,107.3 96.5			982.6 99.9			995.6 103.3			
ALCOHOL	720.7	330.3		30.7	***************************************		55.5			55.5						
Ethyl alcohol and spirits:	İ			}		}										
Production, mil. tax gal	1,107.3	1,198.8	92.6		100.3			91.8 58.7		100.0	106.9	101.9				
Stocks, end of period, mil. tax gal Denatured alcohol:	36.8	37.4	49.9	54.5	53.4	57.0	53.2	58. /	49.6	36.3	32.6	36.2	31.4			***********
Production, mil. wine gal	594.9	664.9	50.3	51.2	54.8 58.7		56.9	51.9 53.0	56.2	58.3 60.1	59.6	55.6, 56.9				
Consumption (withdrawals), mil. wine gal For fuel use, mil. wine gal	645.7 297.9	702.7 354.6	65.4 37.5	49.3 22.6	32.0	26.8	60.7 32.7	53.0 30.7	31.2	32.8	48.1 20.3	31.5	33.0			
Stocks, end of period, mil. wine gal	17.2	8.8	22.2	25.5	25.4	23.8	19.8	11.2	12.1	9.6	10.3	9.11	8.8	I	1	i

Unless otherwise stated in footnotes below, data	An	inual			-			1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			9. CHEN	IICALS /	AND ALI	LIED PRO	ODUCTS	Conti	nued							
	1															
PLASTICS AND RESIN MATERIALS																
[Thousands of metric tons] Production:																
Phenolic resins	² 943.8	17 514 0		0.000.7						1 005 0						.,
Polyethylene and copolymers Polypropylene	48,550.5 43,524.7	¹ 7,514.0 ¹ 3,397.2		2,028.7 822.0			1,908.6 830.7			1,825.3 885.1			1,918.0 859.2			
Polystyrene and copolymers Polyvinyl chloride and copolymers	² 4,624.1 ¹ 4,112.9	/3,977.4		941.7			1,079.8			1,039.2			1,027.6			
										,			,			
PAINTS, VARNISH, AND LACQUER ‡							1									ł
[Millions of dollars]	44.704.0			40.400.1				ļ								1
Total shipments	11,761.6 4,862.1	11,391.3 4,653.3	*****************	42,498.4 4992.3			3,158.7 1,389.2			3,123.0 1,336.4			2,611.2 935.5			
Product coatings (OEM)	4,110.5 2,789.1	4,242.5 2,495.4	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	⁴960.0 ⁴546.2			1,093.4 676.1	***************************************		1,093.5 693.1			1,095.6 580.1			
		2,.00.				لـــــا				300						
				10. EL	ECTRIC	POWER	R AND G	AS						···	,	
ELECTRIC POWER																
[Millions of kilowatt-hours, unless otherwise									1							
indicated]]								Ì	}
Production: Electric utilities, total	r 2.808,151	2,821,569	210,496	221,117	208,936	233,991	248,165	271,492	267,698	233,897	223,180	221,029	233,583		1	
By fuels	2,528,225	2,546,095	188,579	195,297	183,249	205.535	222,332	247,242	245,954	215,511	205,643	r 202,730	211,709			
By waterpower	r 279,926	275,475	21,918	25,820	25,687	28,457	25,832	24,250	21,744	18,387	17,537	18,299	21,873			
Institute)	2,667,321	2,710,674		663,388			649,177			745,612			652,498			
Commercial §	734,584 926,161	749,686 921,552		177,096 219,440			182,995 230,832			209,303 241,455	**************		180,292 229,825			
Railways and railroads	5,297 910,296	5,420 938,517		1,436 242,236			1,324 210,302			1,312 268,941			1,348 217,039			
Street and highway lighting	14,895	15,204		4,147			3,543 19,338			3,465 20,185			4,049 18,966	•		
Other public authorities	72,399 3,689	76,713 3,582		18,224 809			19,336			950		***************************************	980			
Revenue from sales to ultimate customers (Edison	175 500	100.001		40.015		}	43,874			50.004			43,078		ļ	
Electric Institute), mil. \$	175,503	183,361		43,315	***************************************		43,674			53,094			43,0/6	***************************************		
GAS ◊																ļ
Total utility gas, quarterly (American Gas								1								
Association):							•									İ
Customers, end of period, total, thousands @ Residential	54,388 49,912															
Commercial	4,261 167								•					***************************************		
Industrial @ Other	48	***************************************							***************************************		.,,,,,,,,,,,,,,,,		***************************************			
Sales to customers, total, tril. Btu	9,846 4,394										,					
Residential	2,192						,								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Industrial Electric generation	1,997 1,075															
Other	188									***************************************			***************************************			
Revenue from sales to customers, total, mil. \$ Residential	44,672 24,658															
Commercial Industrial	10,462 6.064															
Electric generation Other	2,889 598	***************************************														
	L		L			<u></u>					L	L			L	l
		ı	11. FC	NOU ANI	KINDR	ED PRO	DUCTS;	IOBAC								
ALCOHOLIC BEVERAGES	1				}	}	1				[
Beer:									ا ا							
Production, mil. bbl	203.65 184.51	180.99	15.17 13.11	16.08 14.40	14.82	16.77	16.93	19.88 17.88	18.63 17.39 14.27	16.11 14.51	16.65 15.13	13.42	13.64 12.84 12.64	15.65 13.78		
Stocks, end of period, mil. bbl	12.68	12.64	14.11	14.15	15.01			14.96	14.27	14.03		13.23	12.64	13.29		
Distilled spirits (total): Production, mil. tax gal.	118.34		10.89	10.27	10.47	8.76	7.62	6.40	3.59	7.93	14.43	8.52	9.09			
Consumption, apparent, for beverage purposes, mil. wine gal.	374,41	1	21.96	26.06	28.36		l	29.10		26.80	<u> </u>			l		<u> </u>
Stocks, end of period, mil. tax gal	422.49		437.61	431.71	444.06		440.08	441.96		422.30		437.52	402.10			
Imports, mil. proof liters	l				***************************************	***************************************		***************************************		***************************************						
Production, mil. tax gal	79.91		7.82 377.19					4.60 382.76	2.38 379.44			5.06 375.33	7.31 341.87			
Stocks, end of period, mil. tax gal Imports, mil. proof liters	371.60		3//.19	3/0.40	302.42	373.35	302./5	b	3/9.44		3/5./5					
Wines and distilling materials: Effervescent wines:	Į	1	1				1									1
Production, mil. wine gal	26.35		1.21	1.12	1.10	.13	.74	2.59	2.87	2.59 2.88	ļ					
Taxable withdrawals, mil. wine gal Stocks, end of period, mil. wine gal	25.50 231.72		.92 17.60	1.08 20.48	1.43 18.56		1.69 17.48	1.10 18.81	1.63 20.24	2.88 20.46						
Imports, mil. liters														 		
Still wines: Production, mil. wine gal	427.15		3.36	4.54	4.18			1.41		128.30	ļ					
Taxable withdrawals, mil. wine gal	417.25 576.36		26.98 530.26	31.93	34.01	33.23	32.98	30.16	31.29 415.34	30.22 518.66						
Imports, mil. liters							,									
Distilling materials produced at wineries, mil. wine gal.	108.07		7.30	4.52	2.75	3.36	1.15	3.39	4.23	32.35		 				
your gar amanananananananananananananananananana	. 100.07	•	- 7.50		. 2.75	. 0.50		. 0.03	. 423	. 52.55				•		

Unless otherwise stated in footnotes below, data	Ar	nual						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		11. i	FOOD A	ND KIND	RED PR	ODUCTS	S; TOBA	ссо_с	ontinue	d						
DAIRY PRODUCTS																
Butter: Production (factory), mil. lb. Stocks, cold storage, end of period, mil. lb. Producer Price Index, 1982=100	1,302.2 416.1 71.3	1,360.4 539.4 69.3	126.3 522.1 67.0	131.6 555.5 67.1	133.7 620.5 67.3		98.3 662.7 68.1	88.9 659.8 70.4	85.0 629.4 70.4	84.7 597.2 70.4	105.2 567.1 74.0	543.0	130.1 539.4 69.5	156.0 568.6 68.2	132.0 7630.3 60.9	656.3 61.0
Cheese: Production (factory), total, mil. lb. American, whole milk, mil. lb. Stocks, cold storage, end of period, mil. lb.	6,061.2 2,890.8 457.8	6,006.3 2,777.0 415.3	458.0 222.4 475.1	521.4 250.0 492.4	510.3	512.1	505.4 235.2 521.5	489.9 225.0 511.5	493.7 224.5 494.1	476.5 205.8 477.9		409.0	538.1 246.1 415.3	514.1 245.5 438.8	495.9 230.0 445.9	415.1
American, whole milk, mil. lb. Imports, thous. metric tons Price, wholesale, cheddar, single daisies (Chicago), \$ per lb.	347.2	317.8	367.6	386.2	403.9	408.5	413.8	402.9	392.2	374.0	337.8	319.1	317.8	338.7	7348.0	320.
Condensed and evaporated milk: Production, case goods, mil. lb. Stocks, manufacturers', case goods, end of period, mil. lb.	602.6 58.1	579.0 34.7	46.9 84.5	47.2 86.0	1	1	49.1 109.1	45.1 110.2	48.3 111.1	44.0 95.9	46.0 66.3	41.0 44.2	46.2 34.7	46.3 50.6	45.5 58.7	
Exports, thous. metric tons	***************************************															**************
Production on farms, mil. lb. †	125,772 89,998 13.73	125,683 90,489 ° 12.38	9,922 7,190 11.70	11,084 8,069 11.40		8,236	10,570 7,804 11.40	10,472 7,493 11.80	10,349 7,328 12.30	9,927 6,803 12.80	10,212 7,185 13.40	9,926 6,866 13.80	10,418 7,653 13.80	10,684 8,161 13.50	10,230 12.90	11,097 P 12.60
Dry milk: Production: Dry whole milk, mil. lb. Nonfat dry milk (human food), mil. lb. Stocks, manufacturers', end of period:	175.1 876.6	114.9 879.0	8.3 77.9	8.3 87.6	9.3 95.1	7.1 101.4	8.8 78.6	9.9 69.8	11.6 56.8	11.0 44.5	12.5 48.9	10.1 54.1	9.4 81.7	10.3 80.2	9.2 78.1	
Dry whole milk, mil. lb. Nonfat dry milk (human food), mil. lb. Exports, whole and nonfat (human food), thous. metric tons.	11.2 114.6	8.5 61.0	9.5 95.5	9.8 88.9	10.4 84.4	10.8 74.4	7.0 67.5	6.3 69.8	6.1 68.7	5.6 48.7	6.0 39.6		8.5 61.0	7.0 60.8	6.8 64.5	
Price, manufacturers' average selling, nonfat dry milk (human food), \$ per lb	.948	893	.849	.846	.850	.854	.844	.884	.895	.893	.966	.991	.993	.921	.932	
GRAIN AND GRAIN PRODUCTS																
Exports (barley, corn, oats, rye, wheat), mil. bu				•••••						***************************************						***************************************
Barley: Production (crop estimate), mil. metric tons Stocks (domestic), end of period, total, mil. metric tons	² 9.192 ⁷ 6.656	² 10.113	4.592	***************************************		42.948			9.579						4.760	
On farms, mil. metric tons Off farms, mil. metric tons Exports, including malt, thous. metric tons §	73.841 72.816	r74.274 r72.876	2.065 2.527			41.067 41.881			5.900 3.678			r4.274 r2.876			2.221 2.539	
Producer Price Index, No. 2 feed, Minneapolis, 1982=100	117.0	108.3	112.8	112.8	110.7	112.3	107.1	94.0	96.6	101.9	113.4	117.0	112.3	113.9	115.2	115.1
Production (crop estimate, grain only), mil. metric tons	²201.53	² 189.86										***************************************				
On farms, mil. metric tons Off farms, mil. metric tons	⁷ 176.29 ⁷ 123.80 ⁷ 52.49	* ⁷ 166.15 * ⁷ 109.09 * ⁷ 57.07	121.65 77.84 43.80			³ 76.00 ³ 44.58 ³ 31.42			38.64 17.56 21.08	***************************************		7166.15 109.09 757.07			115.80 66.30 49.50	
Exports, including meal and flour, mil. metric tons . Producer Price Index, No. 2, Chicago, 1982=100	100.9	97.0	95.3	101.9	102.0	98.4	95.3	90.2	100.4	97.4	97.1	97.5	95.5	100.8	102.2	108.9
Oats: Production (crop estimate), mil. metric tons Stocks (domestic), end of period, total, mil. metric	² 5.189 ⁶ 2.278	² 3.520 ° 2.485				62.485			•••••	•••••				,	***************************************	••••••
tons On farms, mil. metric tons Off farms, mil. metric tons Exports, including oatmeal, metric tons	61.203 61.075	61.341 61.144	***************************************			61.341 61.144										
Producer Price Index, No. 2, Minneapolis, 1982=100	76.1	70.4	63.4	68.7	69.7	71.6	68.2	65.5	74.0	71.1	74.5	76.3	78.5	79.2	93.6	91.1
Rice: Production (crop estimate), mil. metric tons Southern States mills:	² 7.080	² 7.006		***************************************												
Receipts, rough, from producers, mil. lb	10,351 6,942	10,150 6,614	935 595	574 554	629 512	519	373 525	289 451	712 514	2,871 518	1,457 605	[550 542	500 464	672 471	***************************************
basis), end of period, mil. lb	2,106	1,904	1,870	1,660	1,618		1,041	729	719	2,027	2,277	2,089	1,904	1,788	1,177	
1982=100	102.4 ² .258	110.2 2.248	105.8	110.3	113.4	116.2	117.1	114.5	108.9	109.5	109.6	r 111.3	109.4	112.5	112.1	112.4
Producer Price Index, No. 2, Minneapolis, 1982=100	66.5		71.8		71.8	68.9		61.5	70.3	73.3	83.5		87.9		85.0	
Nheat: Production (crop estimate), total, mil. metric tons Spring wheat, mil. metric tons	² 74.47 ² 19.20	² 53.91 ² 16.56														
Winter wheat, mil. metric tons Distribution, quarterly, mil. metric tons @ Stocks (domestic), end of period, total, mil. metric	² 55.27 62.14	² 37.34	14.15			14.63			22.15		***************************************	16.49				
on farms, mil. metric tons Of farms, mil. metric tons	⁷ 51.93 ⁷ 20.77 ⁷ 31.16	⁷ 15.37	38.00 14.50 23.50			⁴23.57 ⁴9.29 ⁴14.28			55.54 22.53 33.00			739.29 15.37 723.91			24.10 7.50 16.61	
Exports, total, including flour, mil. metric tons																

Unless otherwise stated in footnotes below, data	An	nuai						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		11.	FOOD AN	ID KIND	RED PR	ODUCTS	; TOBA	cco-c	ontinue	<u> </u>						
GRAIN AND GRAIN PRODUCTS—Continued																
Wheat—Continued			1									1				
Producer Price Indexes: Hard red winter, No. 1, ord. protein (K.C.),			-			1	•									
1982=100 Hard red spring, No. 1, ord. protein (Minn.),	86.3	78.1	68.2	74.3	73.2	76.4	75.2	69.1	77.5	80.5	89.0	90.5	98.2	105.5	113.4	106.6
1982=100	91.1	82.1	73.7	77.7	79.1	80.5	79.0	73.0	79.5	84.1	92.7	93.2	101.8	107.4	117.5	112.3
Wheat flour: Production:								1								
Flour, thous. sacks (100 lb.)	359,639	346,431	29,085	27,362		30,625	25,849	27,673	30,036	29,179	30,666	30,320	r 27,285	27,468		
Millfeed, thous. sh. tons	6,255 797,589	6,240 780,458	490 64,502	486 60,428	535 66,522	561 68,686	469 58,336	498 62,378	543 67,737	526 66,389	557 69,259	556 68,553	7502 761,780	507 62,273		
Stocks held by mills, end of period, thous. sacks	8,051	r 5,294		8,264			8,429		***************************************	6,234			r 5,294			
Exports, thous. metric tons	100.2	95.2	90.2	92.0	93.0	94.0	93.7	91.3	94.1	96.3	100.1	°97.5	107.4	114.4	120.6	111.3
Producer Price Index, 6/03=100	100.2	95.2	90.2	92.0	93.0	94.0	93.7	91.3	94.1	90.3	100.1	. 97.5	107.4	114.4	120.6	111.3
POULTRY AND EGGS	1 1	1														
Poultry:																
Slaughter, mil. lb	23,740	24,966	⁷ 1,859	1,895	2,120	2,191	2,006	2,210	2,233	2,040	2,363	1,958	1,982	r 2,225	1,950	*****************
mil. ib.	562 306	579 264	630 342	663 370	708 408	745 453	814 503	892 571	949 626	1,003 667	990 653	644 305	579 264	650 325	7681 354	697 391
Price, in Georgia producing area, live broilers, \$	1		1 1				1									
per lb.	.310	.295	.280	.295	.280	.300	.305	.315	.310	.310	.305	.280	.275	.280	.280	.285
Eggs: Production on farms, mil. cases § Stocks, cold storage, end of period:	188.6	191.6	14.7	16.4	15.7	16.0	15.6	16.1	16.2	15.7	16.4	16.1	16.7	16.4	15.4	16.8
Shell, thous, cases §	15 15	21	9 14	14	12 13	15 14	13	13 18	10	13	16	12	21	20	25	28
Frozen, mil. lb	15	16	14	14	13	14	14	18	16	16	17	15	16	20	19	20
doz	.760	.714	.720	.858	.676	.609	.634	.731	.713	.688	.679	.687	.739	.591		
LIVESTOCK	1															
Cattle and caives:										1		ļ				
Slaughter (federally inspected): Calves, thous, animals	1 740	1 200	120	***	105	102	00	100	100	115	107	125	131	128	r111	120
Cattle, thous. animals	1,742 32,391	1,398 31,887	2,408	119 2,444	105 2,674	2,786	90 2,650	108 2,784	108 2,843	115 2,635	127 2,855	125 2,508	2,491	2,856	2,377	2,599
Prices, wholesale: Beef steers, \$ per 100 lb	78.89		79.86	81.41	81.24	78.67	74.53	72.25	67.34	69.18	70.93					
Steers, stocker and feeder, \$ per 100 lb			95.53	95.38	98.52	97.06	97.30	95.81	90.06	89.74	88.60					
•																
Hogs: Slaughter (federally inspected), thous. animals Prices:	82,901	85,952	6,469	7,044	7,320	6,948	6,133	6,557	7,098	7,177	8,292	7,744	7,708	8,144	7,153	7,934
Wholesale, average, all weights (Sioux City), \$	1		52.31	51.92	51.42	54.83	54.79	55.74	51.11	46.76	43.51	38.29				
per 100 lb	54.72									1		1				450
to 100 lb. live hog)	22.5	20.9	22.5	21.5	21.0	22.7	23.7	23.8	22.0	19.8	19.0	16.5	16.6	15.2	716.1	15.3
Sheep and lambs: Slaughter (federally inspected), thous. animals	5,469	5,504	449	546	436	443	388	431	438	456	501	449	471	469	422	481
Price, wholesale, lambs, avg. (San Angelo, TX), \$per 100 lb. *	54.04		45.81	49.67	54.00	54.45	52.88	55.42	54.31	53.25	51.20			.,		***************************************
•																
MEATS																
Total meats (excluding lard): Production, mil. lb.	38.606	39.584	2.954	3,081	3,285	3,291	3,060	3,253	3,425	3,308	3,708	3,324	3,284	3,622	3,088	3,376
Stocks, cold storage, end of period, mil. lb Exports (meats and meat preparations), thous.	566	662	591	602	644	611	599	590	578	593	633	650	662	708	r 691	724
metric tons									***************************************							
Imports (meats and meat preparations), thous.																
Beef and veal: Production, total, mil. lb.	22,950	23,223	1,720	1,745	1,895	1,970	1,894	2,018	2.099	1,964	2,142	1,839	1,809	2,067	1,732	1,876
Stocks, cold storage, end of period, mil. lb		23,223	277	283			254	2,010	2,099	282	303	313	292	336	7306	321
Exports, thous. metric tons																
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.)(Central U.S.), \$ per lb				***				************								
Lamb and mutton:																
Production, total, mil. lb	357 8	362 6	30 10	36 8	29 7	30 8	25 8	28 7	27 6	29 5	32 6	29 7	31 6	31 7	28	32 · 8
Pork (excluding lard):]															
Production, total, mil. lb		16,000 311	1,204 281	1,300 289		1,291 333	1,140 312	1,207 278	1,299 282	1,316 281	1,534 300	1,456 308	1,444 311	1,524 341	1,329 7353	1,467 373
Exports, thous, metric tons																
Prices:				***********		***************************************	***************************************	***************************************	***************************************					***************************************		***************************************
Producer Price Index, hams and picnics, except canned, 12/88=100 *	118.6	114.5	117.7	116.7	111.8	110.7	113.2	114.1	115.8	113.8	117.1	115.8	114.1	104.6	104.7	105.6
Fresh loins, 8-14 lb, average, wholesale (Omaha), \$ per lb. *	1.1752		1.0913			\	1				}					
(Ontoing), when we	".,,,,,					1			,			***************************************				
MISCELLANEOUS FOOD PRODUCTS	i	1] [
Cocoa (cacao) beans, imports (including shells),	1															
thous. metric tons								***************************************				*************				*************
Imports, total, metric tons														ļ		
From Brazil, metric tons U.S. Import Price Index, 1985=100	59.3	54.6		57.7			54.9		***************************************	53.2			52.4			
Fish:	1	1	<u> </u>			ļ <u></u>				Ì	1					
Stocks, cold storage, end of period, mil. lb	343	l 384	290	267	1 275	I 308	1 312	i 343	1 349	1 378	! 383	l 394	l 384	372	ı 344	1

			SURV	EYC	OF CU	KKE	NI B	USIN.	ESS				A	lpril 199	02 •	3-23
Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown	An	nual						1991							1992	
in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
		11.	FOOD AI	ND KIND	RED PR	ODUCTS	S; TOBA	cco-c	ontinue	i						
MISCELLANEOUS FOOD PRODUCTS—Continued													i			
Sugar: Exports, raw and refined, metric tons Imports, raw and refined, thous. metric tons														************		
Producer Price Indexes: Raw (cane), 1982=100	119.2	113.7	113.1	113.3	113.1	112.8	113.5	112.9	114,1	114.1	114.2	7114.4	113.5	112.5	112.4	112.6
Refined, 1982=100	122.7	121.8	123.2	122.9	122.0	121.3	121.3	121.4	121.4	121.2	120.8	120.6	120.8	120.8	121.5	121.2
Tea, imports, metric tons			••••••		***************************************								***************************************			
TOBACCO												1				
Leaf: Production (crop estimate), mil. lb	1,626	¹ 1,660													·····	
mil. lb	3,674	3,744		3,458			3,075			3,428			3,744			
Imports, incl. scrap and stems, metric tons				***************************************	***************************************					***************************************						***************************************
Manufactured products: Consumption (withdrawals): Cigarettes (small):																
Tax-exempt, millions	178,742 523,094	193,778 516,338	16,652 39,407	14,689 47,061	12,793 40,106	14,242 49,266	13,328 45,849	13,686 44,037	16,549 42,337	20,974 43,430	18,535 40,464	15,542 57,123	15,781 32,744			
Cigars (large), taxable, millions	2,233	2,133	145	163	175	169	219	170	206	193	193	191	157		············	
LAPOTO, Olgarettes, Illinois				40.1	FATUE	AND D	ODUCT									
				12. L	EATHER	AND P	100001	 -	 -1							
LEATHER												İ				
Exports: Upper and lining leather, thous. sq. ft																
Producer Price Index, leather, 1982=100	177.6	168.4	173.7	172.6	172.1	172.7	171.7	167.7	165.8	163.4	161.5	7 162.4	162.8	161.8	162.1	163.6
LEATHER MANUFACTURES												l				
Footwear: Production, total, thous. pairs	201,648	168,633		647,602			38,399			r 41,859			40,773			
Shoes, sandals, and play shoes, except athletic, thous, pairs				628,436			28,146			29,126			28,537			***************************************
Slippers, thous. pairs	41,184	33,436		69,473 64,047		,,,,,,,,,,,,,,,	6,177 4,076			79,113 73,620	***************************************		8,673 3,563			•••••••••
Other footwear, thous. pairs Exports, thous. pairs	3,405	2,482		€895			543			7525			519	······		***************************************
Producer Price Indexes: Men's leather upper, dress and casual,										1						
1982=100	135.8 120.9	141.0 124.0	140.3 122.3	140.3 123.8	141.0 124.0	141.4 124.1	141.4 124.2	141.4 124.6	141.7 124.7	141.7 124.7	140.8 124.7	7 141.4 124.5	142.6 124.5	142.3 125.0	142.3 124.5	145.5 126.2
Women's plastic upper, 1982=100	113.4	115.2	110.7	113.4	113.6	115.6	116.9	116.8	116.8	116.8	116.9	116.9	116.9	116.9	117.2	119.9
				13. L	UMBER	AND PR	ODUCT	3						,		
LUMBER—ALL TYPES #							1		Ī			Ì				
[Millions of board feet, unless otherwise indicated]							- 1				5					
National Forest Products Association: Production, total	² 54,638	r 43,976	3,410	3,661	3,958	3,837	3,762	3,664	3,808	3,682	3,933	3,473	73,254	3,801		
HardwoodsSoftwoods	² 9,480 ² 45,159	10,213 733,763	810 2,600	838 2,823	880 3,078	916 2,921	803 2,959	846 2,818	863 2,945	825 2,857	937 2,996	828 2,645	816 2,438	862 2,939		
Shipments, total	² 46,083 ² 10,102	743,860 9,844	3,301 711	3,617 791	4,037 855	4,028 876	3,764 761	3,412 775	3,926 890	3,676 813	4,012 966	3,477 808	*3,370 843	3,875 894		
Stocks (gross), mill, end of period, total	² 35,981	734,016	2,590	2,826	3,182	3,152	3,003	2,637	3,036	2,863	3,046	2,669	r2, 52 7	2,981		
Hardwoods Softwoods	4,734	4,616	4,949	4,946	4,849	4,600	4,699	4,684	4,793	4,786	4,741	4,710	4,616	4,603		
Exports, total sawmill products																
Imports, total sawmill products, thous. cubic meters				***************************************	*************		***************************************	***************************************					***************************************	***************************************		
SOFTWOODS [Millions of board feet, unless otherwise indicated]										- {						
Douglas fir:								[
Orders, new Orders, unfilled, end of period	8,749 452 8,751	8,489 504	643 434	829 556	865 607	797 586 737	680 532	579 475	709 443 707	695 445	705 465	649 447	725 504	778 590	564 479	
Production Shipments	8,798	8,320 8,437	434 656 646 825	556 722 707	803 814	818	700 734	673 636	741	678 693	710 685	653 667	610 668	688 692	675 675	
Stocks (gross), mill, end of period Exports, total sawmill products, thous. cubic meters	772	655	825	840	829	748	714	751	717	702	727	713	655	651	651	
Sawed timber, thous. cubic meters Boards, planks, scantlings, etc., thous. cubic							•••••••			***************************************				••••••		
Producer Price Index, Douglas fir, dressed,	138.0	139.4	128.0	125.7	129.9	144.4	167.0	161.6	131.7	139.2	137.3	r 138.0	143.0	146.3	161.8	166.1
1982=100	138.01	139.41	128.01	120./	129.9	144.41	107.01	101.01	131./1	139.21	137.31	130.01	143.01	. 140.3	101.01	100.1

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown	An	nual						1991					l		1992	
in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			13.	LUMBE	R AND P	RODUC	TS—Cor	tinued								
SOFTWOODS—Continued																
[Millions of board feet, unless otherwise indicated]					l	ŀ				ŀ		!				
outhern pine:																
Orders, new	12,827 697	* 12,287 571	979 677	1,147 756	1,059 696	1,275 821	968 690	909 641	1,113 666	1,070 678	1,169 648	1,003 671	7740 571	1,387 758		
Production	/12,911 /12,763	712,367 712,415	924 961	1,024 1,065	1,102 1,124	1,071	1,123	1,021 950	1,049 1,091	1,039 1,060	1,169 1,204	992 972	* 903 * 849	1,217 1,253		
Stocks (gross), mill and concentration yards, end of	2,197	2,134	2,219	2,177	1	2,080		i	· 1	2,102	2.071	2,084	2,134	•		
period Exports, total sawmill products, cubic meters	2,197	2,134	2,219	2,177	2,164	2,080	2,090	1,973	2,122	2,102	2,071	2,004	2,134	2,125		
Producer Price Index, southern pine, dressed, 1982=100	111.0	111.0	100.3	103.6	110.0	110.8	122.5	124.5	112.6	110.1	109.3	1111.0	114.0	117.3	127.7	133
estern pine:																
Orders, new	10,582 483	9,751 493	711 470	835 548	916 582 849	933 649 826	760 550	772 545	899 529	873 544 876	888 554	748 537 762	715 493	859 578	712 523	
Production	10,452 10,605	9,750 9,741	742 713	788 757	849 882	826 866	550 835 859 1,226	848 777	914 915	876 858	840 878	762 765	493 706 759	755 774	775 767	
Stocks (gross), mill, end of period	1,211	1,227	1,292	1,323	1,290	1,250	1,226	1,304	1,303	1,321	1,283	1,280	759 1,227	1,208	1,216	
roducer Price Index, other softwood, dressed, 1982=100	126.3	130.3	119.5	122.3	125.6	131.5	142.6	144,0	132.2	129.4	128.4	r130.1	136.1	141.9	156.0	16
	120.0	,00.0		,	120.0	.01.0				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			100.0	
HARDWOOD FLOORING							-		ŀ							
[Millions of board feet]			1			ļ		j	Ì	j						
tak: Orders, unfilled, end of period	8.3	15.8	8.1	9.5	9.7	10.7	9.8	11.0	11.5	13.1	13.1	15.0	15.8	16.3	18.2	18
Shipments	205.3 10.0	199.9 7.7	15.1 11.4	18.7 10.0	17.1 9.8	16.4 11.1	17.9 10.9	13.8 10.1	17.3 9.9	18.0 8.9	18.6 8.4	16.6 8.0	16.1 7.7	19.1 7.6	16.3 7.7	19
close (gross), may one or points	10.0						- 1	1	9.0	0.0	Ų.,					
				14. MET	TALS AN	D MANU	FACTUE	RES				•				,
IRON AND STEEL																
[Thousands of short tons]			1		1	- 1		1	- 1	- 1						
xports: Steel mill products	4,303	6.346	486	368	595	598	772	627	495	606	486	427	447	427	362	
Scrap	12,765 16	10,301	851	863	595 862	1,252	1,260	857	723	585	668	973	676	779	917	
Pig iron	10	17	'1	1	'1	(3)	4	1	'	1	,	•	ំ	3	•	
Steel mill products	17,162	15,741	1,291	1,231 87	1,571	1,367 102	1,080 89	1,395 114	1,032	1,152	1,230 123 52	1,312 98	1,325 108	1,576 83	1,132 84	
Scrap	1,424 383	1,183 479	92 70	48	83 56	11	15	30	39	105 25	52	43	33	4	69	
Iron and Steel Scrap					ł		İ									
Thousands of metric tons, unless otherwise indicated]																
roductionleceipts, net	23,083 39,624		1,599 2,804	1,689 2,991	1,701 3,037	1,672 2,999	1,754 2,972	1,713 2,957	1,697 3,143	71,724 73,170	1,776 3,333					
onsumptiontocks, end of period	63,705 3,989		4,458 3,978	4,679 4,102	4,795 4,036	4,718 4,035	4,836 3,970	4,763 3,907	4,924 3,862	74,996 73,831	5,108 3,872	,				
composite price, No. 1 heavy melting scrap:	0,000		0,0.0		·	·		_ i		·						
American Metal Market, \$ per metric ton	105.46	91.79	100.74	97.23	96.24	93.28	87.56	85.81	88.79	90.22	89.12	84.80	84.32	84.32	85.14	
Ore			1	1	1			- 1		İ						
[Thousands of metric tons] on ore (operations in all U.S. districts):	ļ				i	1	ŀ	- 1	1	1						
Mine production			4,274	4,135 1,897	4,754 5,264	4,846	5,070 5,548	4,218 5,328	5,210 5,506	4,844 5,963	4,582 5,421					
Shipments from mines	18,054		1,585 397	503	834	5,678 1,485	1,369	1,395	1,180	1,367	5,421			***************************************		
U.S. and foreign ores and ore agglomerates: Receipts at iron and steel plants	73,797	65,133	1,831	2,615	5,096	6,380	6,624	6,765	6,617	7,075	6.612	6,065	6,232	2,897		
Consumption at iron and steel plants	73,681	63,658	4,475	5,296	4,830	5,083	4,971	5,514	5,564	5,579	5,669	5,739	5,641	5,776		
Exports (domestic)	3,199 22,978		22,218	21,316	401 20,757	541 21,756	445 23,174	356 23,319	109 24,329	723 25,148	25,117					
At mines	3,386 15,910	17,611	9,182 11,174	11,421 8,493	10,910 8,749	10,078 10,067	9,604 11,732	8,510 13,044	8,305 14,098	7,096 15,768	6,256 16,711	17,030	17,611	14,843		
At U.S. docks	2,273	2,981	1,862	1,402	1,098	1,611	1,838	1,765	1,926	2,284	2,150	2,455	2,981	2,553	***************************************	
langanese (manganese content), general imports					••••	i					**************			**************	***************************************	
Pig Iron and Iron Products Thousands of short tons, unless otherwise indicated?									1							
ig iron:							_									
Production (including production of ferroalloys) Consumption, thous. metric tons	54,925 50,019	48,503	3,470 3,354	4,047 3,867	3,830 3,573	3,885 3,615	3,830 3,609	4,179 3,954	4,121 3,961	4,175 3,960	4,251 3,989	4,300	4,338	4,390	4,175	4,5
Stocks, end of period, thous. metric tons	130		125	129	134	153	158	151	159	157	166			••••••		
Castings, gray and ductile iron: Shipments, total	48,310												 			
For sale	46,257															
Castings, malleable iron: Shipments, total	4276					,.,,,						,,,,,,,,,,,				

Unless otherwise stated in footnotes below, data	Anı	nuai						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			14. ME	TALS A	ND MAN	IUFACTI	JRES(Continue	ed							
Steel, Raw and Semifinished [Thousands of short tons, unless otherwise specified] Steel (raw): Production Rate of capability utilization, percent Steel castings: Shipments, total For sale, total	98,015 84.0 41,136 41,034	87,310 74.2		7,283 71.7	7,089 72.5	7,076 70.0	7,017 71.7	7,338 74.8	7,386 75.2	7,457 78.5	7,711 78.0	7,461 78.0	7,347 74.4	7,754 80.5	7,432 82.4	8,043 83.5
Steel Mill Products [Thousands of short tons]	1,007															***************************************
Steel products, net shipments: Total (all grades) By product: Semifinished products Structural shapes (heavy), steel pilling Plates Rails and accessories	84,981 6,313 6,093 7,945 519	78,868 6,872 5,722 6,938 486	6,039 550 470 551 52	5,966 527 452 548 58	6,450 550 465 590 52	6,762 595 469 618 41	6,623 647 421 583 32	6,420 584 479 565 21	6,954 642 520 568 21	6,746 550 486 543 17	7,499 642 548 599 37	6,427 522 498 539 27	6,118 498 400 538 59	6,867 511 481 622 58	6,471 543 479 548 56	
Bars and tool steel, total Bars: Hot rolled (including light shapes) Bars: Reinforcing Bars: Cold finished	14,727 7,878 5,305 1,486	13,214 6,902 4,934 1,326	1,051 586 349 112	979 540 329 107	1,111 603 392 111	1,110 572 425 110	1,077 549 420 104	1,097 560 434 99	1,154 593 444 112	1,162 594 450 115	1,215 626 457 128	1,063 551 400 108	1,030 534 395 97	1,099 600 361 132	1,027 543 356 123	
Pipe and tubing Wire-drawn and/or rolled Tin mill products Sheets and strip (including electrical), total Sheets: Hot rolled Sheets: Cold rolled	4,652 918 4,032 39,784 13,388 13,199	4,488 864 4,040 36,244 12,987 11,356	398 67 292 2,608 917 839	424 75 298 2,605 986 791	411 82 342 2,846 974 922	428 77 365 3,059 1,113 936	383 73 336 3,071 1,145 924	332 75 350 2,918 1,074 906	402 79 359 3,208 1,162 982	360 69 336 3,222 1,141 1,003	337 80 345 3,696 1,253 1,175	302 64 310 3,102 1,090 970	300 52 371 2,870 1,008 959	347 75 277 3,398 1,154 1,111	298 77 267 3,177 1,096 1,033	
By market (quarterly): Service centers and distributors Construction, incl. maintenance Contractors' products Automotive Rail transportation Machinery, industrial equipment, tools Containers, packaging, ship. materials Other	18,250 7,391 2,793 10,444 901 2,104 4,474 38,378	17,485 6,814 2,261 9,445 837 1,648 4,278 36,100		4,091 1,629 539 2,047 261 481 1,009 8,701			547 2,379			4,484 1,790 605 2,416 155 379 1,087 9,280			4,685 1,684 570 2,604 207 355 1,051 8,888	21,730 2541 2217 2877 285 2150 2294 22,973	21,606 2514 2186 2841 280 2122 2293 22,830	
[Millions of short tons] Producing steel mills, inventory, end of period: Total Steel in process Finished steel Steel service centers (warehouses), inventory, end of period	14.0 8.1 5.9 6.7	13.1 7.6 5.5 5.9	13.7 7.9 5.8 6.9	13.8 8.2 5.6 6.6	13.8 8.4 5.4 6.4	13.5 8.2 5.3 6.2	13.4 8.2 5.2 6.1	13.6 8.4 5.2 5.9	13.1 7.8 5.3 5.7	13.1 7.8 5.3 5.3	12.4 7.3 5.1 5.6	12.7 7.3 5.4 5.6	13.1 7.6 5.5 5.9	13.1 7.7 5.4 5.9		
NONFERROUS METALS AND PRODUCTS [Thousands of metric tons, unless otherwise specified]																
Aluminum: Production, primary (dom. and foreign ores) Recovery from scrap	4,048 2,393	4,121 ^2,210	317 155	352 180	340 196	353 186	343 191	354 199	350 203	336 190	347 195	337 174	343 167	344 204	320 199	***************************************
Metal and alloys, crude	959.6 340.3	1,024.7 256.5	79.4 23.3	84.3 23.2 46.7	88.2 20.2 82.8	85.1 20.7	75.9 20.9	97.3 20.8 69.0	89.0 18.8 80.1	86.6 21.8 54.6	90.4 21.9 68.0	81.0 22.4 80.7	88.0 18.5 67.3	100.7 20.9 50.8		
Metal and alloys, crude Plates, sheets, bars, etc Price, U.S. market, 99.7% purity, monthly average, \$ per lb.	679.8 437.7 .7404	792.8 508.7 .5946	54.8 35.5 .6813	38.1 .6831	.6388	56.4 48.4 .5932	71.3 48.1 .5775	.5896	55.4 .5766	42.9 .5575	50.0 .5246	34.5 .5241	31.0 .5034	48.5 .5367	.5820	.5928
Aluminum products: Shipments: Ingot and mill prod. (net ship.), mil. lb. Mill products, total, mil. lb. Sheet and plate, mil. lb. Castings, mil. lb.	14,757 11,960 7,514 2,134	715,079 711,660 77,518	1,086 877 561	1,221 940 618	1,211 996 635	1,295 1,030 669	1,271 995 639	1,376 1,029 673	1,357 1,028 661	1,263 970 619	71,332 71,031 668	1,246 945 620	71,241 7879 7569	1,171 910 552		***************************************
Inventories, total (ingot, mill products, and scrap), end of period, mil. lb	4,013	r 4,467	4,169	4,256	4,212	4,135	4,044	3,990	3,935	3,919	3,899	3,847	r 4,467	3,901		
Production: Mine, recoverable copper Refined from primary materials Electrolytically refined @ Electrown Refined from scrap	1,587.2 1,576.6 1,183.2 393.5 440.8	1,635.4 1,582.9 1,143.8 439.0 417.7	126.7 120.4 90.7 29.7 32.2	138.5 128.1 94.0 34.1 40.5	129.5 127.0 92.5 34.5 39.6	147.7 139.6 99.8 39.8 38.2	136.9 120.7 84.4 36.4 35.7	7 139.2 130.8 91.9 38.8 32.6	141.3 134.5 195.6 38.9 133.0	131.5 134.9 96.5 138.5 28.5	7 141.3 7 141.9 100.4 7 41.5 7 37.3	131.7 138.6 100.4 38.1 32.1	134.2 135.8 96.2 39.6 32.6	133.2 140.6 102.9 37.7 34.1		
Imports, unmanufactured: Refined, unrefined, scrap (copper cont.) Refined Exports:	441.3 261.7	442.0 288.6	39.5 27.1	28.0 21.7	44.8 30.9	30.4 17.5	31.6 23.6	35.5 23.7	31.3 17.4	32.6 22.9	59.2 36.3	38.7 26.8	32.0 18.0			
Refined and scrap Refined Consumption, refined (reported by mills, etc.) Stocks, refined, end of period Price, avg. U.S. producer cathode, delivered, \$ per lb. \$	647.2 211.2 2,150 101 1,2316	687.2 270.7 2,058 131	54.9 21.4 146 109	77.5 37.4 179 107	43.4 16.8 172 102	76.3 31.5 171 107	52.1 23.9 171 110	60.7 20.6 144 131	49.3 20.9 191 111 1.0597	56.2 17.9 184 100	41.3 13.4 202 109	42.9 15.4 168 119	52.1 17.9 155 131 1.0297	184 126 1.0072		

Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown	An	nuai						1991							1992	
in Business Statistics, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Ma
			14. ME	TALS A	ND MAN	NUFACT	URES-(Continue	ed							
NONFERROUS METALS AND PRODUCTS— Continued															·	
Thousands of metric tons, unless otherwise specified]			1		1	l		j	- }	ı		l			
opper-base mill and foundry products, shipments (quarterly total): Brass mill products, <i>mil. lb.</i>																
Copper wire mill products (copper content), mil. lb. Brass and bronze foundry products, mil. lb																
ead:	[- 1	İ		l			{	-			1		
Production: Mine, recoverable lead	474.0	⁷ 462.5	41.1	41.6	37.8	43.5	36.4	47.5	41.1	36.1	38.9	28.0	26.1	36.0		
Recovered from scrap (lead content)	7/922.9 98.4	/ 855.4	74.4	71.0	72.0	72.0	70.7	69.8	70.0	72.3	74.6	70.7	71.4	71.6		
Consumption, total	1,275.2	1,200.3	105.3	101.2	101.3	98.4	92.4	90.8	101.9	102.7	106.9	r 102.4	92.7	102.7		
Producers', ore, base bullion, and in process]							
(lead content), ABMS	53.9	68.8	63.7	61.0	59.4	65.9	73.6	74.3	75.7	73.1	74.5	70.9	68.8	71.5	71.4	
content)	25.5 786.5	9.1 45.8	24.3 53.5	27.0 52.9	21.3 49.4	17.5 48.9	16.2 43.1	15.4 38.0	9.1 35.4	6.6 33.3	4.1 30.2	4.5 732.0	9.1 45.8	9.8 50.7		
Scrap (lead-base, purchased), all smelters	20.1	12.2	13.5		12.2	12.8		12.7	12.9	13.9	14.9	13.5	12.2	12.2		
(gross weight) Price, common grade, delivered, \$ per lb. @@	.4602	.3348	.3323	11.3 .3334	.3330	.3260	11.2 .3203	.3279	.3286	.3339	.3462	.3448	.3465	.3449	.3429	
in: Imports (for consumption):			[į		1								
Ore (tin content), metric tons	22 010	20 102		1 601	1 046	0.554	2.006	2 020	0 170	1 000	2 050	0.151	2 402			
Metal, unwrought, unalloyed, metric tons	33,810 17,275	29,102 5,947	2,934 489	1,601 585	1,946 554	2,554 478	2,006 558	2,830 373	3,173 522	1,960 530	3,052 531	2,151 7472	2,493 356	513		
As metal, metric tons	186 44,363	49,000	3,900	4,100	4,300	4,100	4,200	3,900	15 4,100	15 4,000	15 4,300	16 4,100	4,000	3,900		
Primary, metric tons	36,900	36,900 970	2,900 60	3,100 11	3,200 111	3,100 129	3,200 145	3,000 129	3,100 71	3,000 61	3,300 105	3,100 63	2,900	2,900		
Stocks, pig (industrial), end of period, metric tons	658 4,829	3,024	6,677	6,688	6,177	5,993	5,991	6,348	6,739	6,544	6,616	6,347	3,024	3,019		
Price, Straits quality (delivered), \$ per lb	3.8629	c 3.6285	3.6488	3.6075	3.6204	3.6834	3.6895	3.6707	3.6506	3.6076	3.5862	3.5519	3.5427	3.6786	3.7574	
Mine prod., recoverable zinc	515.4	518.6	41.9	43.8	45.5	49.4	36.9	43.0	47.4	49.5	39.0	33.4	38.0	41.5	***************************************	
Ores (zinc content)	46.7 631.7	45.4 549.1	1.0 41.9	1.1 37.0	1.4 39.8	8.1 35.7	10.4 36.0	4.5 39.9	2.1 46.6	1.5 51.4	1.0 55.3	1.0 61.6	5.3 53.9			
Consumption (recoverable zinc content):	2.4	2.4		2	2	2	2	2	2	2	2	2		2		
Scrap, all types	r254.9	252.8	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	.2 21.1	21.1		
Production, total ‡	207.8 991.0	194.4 902.0	15.0 69.0	16.9 65.9	15.8 67.8	17.7 68.3	15.6 68.8	16.4 73.6	13.6 78.0	15.8 79.3	17.5 85.9	16.2 784.2	16.6 82.0	17.6 83.0	16.8	
Exports	5.8	5.5	.4	.4	.4	68.3 .7	8.	3.3	.4	.3	.6	.4	.4			
Stocks, end of period: Producers', at smelter (ABMS)	4.6	4.6	5.3	8.5	3.9	4.7	4.2	3.6	2.9	3.7	3.7	4.5	4.6	5.8	5.8	l
Consumers'	761.0 .7459	38.9 .5277	41.2 .5593	40.6 .5611	43.7 .5763	43.0 .4984	39.3 .4840	38.1 .4867	35.4 .4836	35.6 .4978	34.5 .4856	735.8 .5464	38.9 .5729	38.1 .5450	.5289	
MACHINERY AND EQUIPMENT																
[Millions of dollars, unless otherwise specified]			1								[
ndustrial heating equipment, new orders (domestic),								. 1			- 1	1				ł
gtrly # Electric processing heating equipment	433.0 89.6	404.0 87.9		129.6 30.2			82.4 14.7			83.7 21.3			108.4 21.7			.,,
Fuel-fired processing heating equipment	140.3	133.3		47.1			28.4			13.8			44.0			
Materials handling equipment, dollar value bookings index, 1982=100 †	131.9	135.1	121.3	r 135.7	r 122.5	r 140.2	r114.8	r 132.7	141.5	162.2	158.9	132.8	132.9			
ndustrial supplies, machinery, and equipment: New orders index, seas. adj., 1987=100 @	121.1	107.5	107.0	107.4	107.0	104.1	108.3	109.8	107.6	109.7	107.6	110.0	106.3	102.3	110.8	
ndustrial suppliers distribution: Sales index, not seas, adj., 1990=1.00	1.0000	l i	.9114	.9611	.9753		.9676	.9548		.9369	1.0616	.8974	.8617	r.9854	.9298	ł
Inflation index, not seas, adi. (tools, material	1.0000	.5002	.3.17	.0011	.5750		.5070	.5540	.50,0	.5000				.555		"
handling equipment, valves, fittings, abrasives, fasteners, metal products, etc.), 1977=100	189.4	195.9	193.3	194.4	195.2	195.6	195.7	196.0	196.5	196.3	196.3	196.8	195.9	197.6	198.1	
luid power products shipments indexes: § Hydraulic products, 1990=100	100.0		89.9	94.8	95.6		87.1	81.0	84.1	87.7	90.3	81.8	78.3	87.7	r 86.9	
Prieumatic products, 1990=100	100.0	99.3	98.1	106.7	104.9	104.6	97.1	91.5	97.9	97.1	108.3	95.7	92.5	97.8	r96.9	
Machine tools: Metal cutting type tools:																
Orders, new (net), total	2,070.30 1,771.95	1,893.95 1,549.20	186.25 113.80	153.55 127.20	136.45 109.95	109.60 96.45	130.95 87.70	145.60 123.25	126.40 117.30	174.05 150.25	155.85 133.90	161.55 140.85	283.65 241.35	158.55 153.40	7159.60 7140.65	
Shipments, total	2,329.60	1,871.80	133.15	173.85	145.35 126.55	173.85	142.60	149.40	137.35	166.80	177.30	144.35 118.70	217.00 181.65	106.25 97.50	140.25	2
Order backlog, end of period	2,004.45 1,164.0		109.45 1,236.4	148.75 1,216.0	1,207.2	157.25 1,142.9	104.30 1,131.2	137.35 1,127.4	1,116.5	140.90 1,123.8	155.35 1,102.3	1,119.5	1,186.2	1,238.4	71,257.8	
Metal forming type tools: Orders, new (net), total	894.40	748.15	58.90	51.90	57.25	43.40	41.95	47.65	109.35	70.75	68.80	69.15	59.25	58.85	r56.65	
Domestic	760.55	546.35	51.30	31.45	37.30	35.05	25.05	26.90	87.05	56.30	51.35	41.35	43.45	50.85	43.35	
Shipments, total	970.30 851.10		69.00 58.80	103.00 86.05	61.70 47.05	44.60	47.15	63.40 35.00	30.75	49.90 36.05	58.45 48.35	76.90	65.00 52.90	53.55 38.05	46.60	
Order backlog, end of period	304.4			241.2	236.8		194.6		242,2	263.0	273.4		250.9	256.2	252.1	1 :

Unless otherwise stated in footnotes below, data	Г 	nnual	1					1991						<i>ipru</i> 199	1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
IN DOSINESS CINIOTICS, 1961-08	1330	1331	L			لنـــا		-		эерс.	001.	100.	Dec.	Jan.	1 80.	mai.
			14. M	ETALS A	AND MA	NUFACT	URES-	Continu	ed						T	
MACHINERY AND EQUIPMENT—Continued																
Tractors used in construction, shipments, qtrly: Tracklaying (ex. shovel loaders), units	³8,303												*******************************		<u> </u>	
Tracklaying (ex. shovel loaders), mil. \$	³ 1,073.0 ³ 4.058			***************************************			***************************************				***************************************			***************************************		
Wheel (contractors' off-highway), mil. \$	³349.0							***************************************						***************************************		
Shovel loaders, units	³57,766 ³1,959.6															*************
ELECTRICAL EQUIPMENT																
[Thousands]	1															
Batteries (auto-type replacement), shipments	65,187	66,585 18,530	4,079	4,063	4,700	4,932	5,265 1,261	5,541	6,545 1,682	6,962	6,833	6,773	5,729 1,380	4,351	4,405	
Radio sets, factory sales, domestic market ±‡	21,585	18,530	1,345	1,298	1,356	1,186	1,261	1,542	1,682	2,125	2,213	1,768	1,380	1,388	1,502	
total market ‡‡	21,779	19,649	1,454	1,761	1,267	4 1,235	1,397	1,245	1,569	2,249	1,846	2,009	2,300	1,257	1,586	1,821
Household major appliances, industry shipments # Air conditioners (room)	43,194 4,150	40,997 2,807	2,984 185	3,524 496	3,605 532	3,720 613	3,944 447	3,384 171	3,247 63	3,324 12	3,515 22	3,251 31	3,143 76	3,1 6 3 103	3,220 227	4,107 523
Dishwashers	3,637 4,137	3,571 4,002	255 309	278 362	305 282	288 306	304 360	287	301	286 459	342 312	306 280	296 338	272 349	268 294	523 331 350
Disposers (food waste) Microwave ovens/ranges	8,126	7,234	565	511	471	509	543	294 507	548	610	739	854	696	698	680	689
RangesRefrigerators	3,444 7,101	3,309 7,273	236 434 75	277 533	278 606	264 664	275 787	263 774	355 548 273 673 138	280 666	319 648	295 513	282 492	253 466 90	251 477	300 614
Freezers	1,296 6,192	1,414 6,197	75 486	100 507	114 519	109 490	142 546	154 511	138 525	137 513	118 593	106 485	125 468	90 512	91 502	128 602
Dryers, including gas	4,320	4,313	344	344	344	319	351	347	345	351	418	373	360 2,620	386		435
Vacuum cleaners (qtrīy.)	11,082	10,970		2,850			2,405	***************************************	,	3,095			. 2,020			
GAS EQUIPMENT (RESIDENTIAL)																
[Thousands]	4.050	0.057	400	400	400	440	400	457	400	000	200	200	204	150	400	
Furnaces, warm air, shipments	1,950 2,429	2,057 2,401	128 159	126 193	120 194	110 188	162 203	157 178	196 189	238 211	239 245	208 226	224 215	153 181	163 187	208
Water heaters (storage), automatic, shipments	3,906	3,936	318	332	346	319	315	301	295	302	378	314	370	361	356	***************************************
			15	. PETRO	LEUM, (COAL, A	ND PRO	DUCTS								
COAL																
[Thousands of short tons, unless otherwise specified]																
Anthracite:													l			
Production Exports, thous. metric tons	3,506	2,923	243	259	230	224	235	253	313	285	248	214	170	208	217	235
Producer Price Index, 1982=100	105.5	105.6	106.6	106.6	105.4	105.0	105.0	104.7	104.7	104.7	105.1	r 106.3	106.4	106.4	106.4	106.4
Bituminous and lignite: Production	1,025,569	990,711	82,592	85,012	79,324	79,917	76,896	79,720	88,818	81,504	90,230	81,644	79,244	84,683	78,938	82,425
Consumption, total	896,427		68,309	69,321	64,394	70,214	74,716	81,245	81,244	73,943						
Electric power utilities	773,549 116,154	772,315	58,443 9,261	59,195 9,586	55,483 8,466	61,298 8,551	65,777 8,583	71,862 8,956	71,919 8,939	64,652 8,971	61,948	63,830	66,718			
Coke plants (oven and beehive) Residential and commercial	39,824 6,724		2,566 605	2,985 541	2,675 445	2,710 365	2,690 355	2,929 427	2,916 387	2,932 320						
Stocks, end of period, total	168,210		163,133	167,406	173,098	175,696	171,543	165,741	163,244	164,004						************
Electric power utilities	156,166 12,045		152,202 10,931	157,031 10,375	162,804 10,294	165,483 10,214	161,410 10,133	155,668 10,073	153,231 10,013	154,051 9,952	158,813	158,605	158,004			
Oven-coke plants	3,329		3,196	3,130	3,181	3,232	3,283	3,087	2,891	2,695					······	
Exports excluding lignite, thous. metric tons	95,984 97.3		7,373 98.1	7,237 97.4	6,275 97.2	9,088 97.1	8,417 97.9	9,162 97.5	9,563 96.5	9,577 96.5	8,386 95.8	9,618 797.0	95.9	96.5	94.1	93.5
COKE								.								
[Thousands of short tons, unless otherwise specified]																
Production:								- 1								
Beehive and oven (byproduct) Petroleum coke §	28,948 40,332	41,422	3,056	5,967 3,276	3,303	3,527	5,706 3,404	3,537	3,575	6,256 3,410	3,501	3,505	3,808	3,710		
Stocks, end of period:										0.470						
Oven-coke plants, total	1,918 1,674			2,093 1,831			2,003 1,720			2,172 1,912	***************************************					
At merchant plants Petroleum coke	244 1,436	1,953	1,680	263 1,791	1,646	1.674	283 1,742	1,680	1,638	260 1,622	1,635	1,888	1,953	1,977		
Exports, thou. metric tons		***************************************														
PETROLEUM AND PRODUCTS								.		l						
[Millions of barrels, unless otherwise specified]										Į	ĺ	. [
Crude petroleum:														54.0		54.0
Producer Price Index, 1982=100	70.9 4,981.3	61.9 4,106.8	64.2 370.1	54.1 404.4	56.3 398.4	58.8 425.6	56.2 423.7	59.3 432.1	60.4 433.7	60.4 416.3	66.3 406.5	64.0 394.6	55.2 422.0	51.3 407.0	53.6	51.0
Refinery operating ratio, % of capacity	87	86	84	83	85	87	90	89	89	88	83	84	87	84		
All oils, supply, demand, and stocks: New supply, total ◊	6,208.7	6,090.4	453.0	489.0	497.4	545.9	514.6	568.7	545.4	503.1	513.3	500.0	507.8	520.1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Production: Crude petroleum	2,684.7	2,691.3	211.4	231.9	224.0	228.4	218.5	277.1	225.4	220.0	229.7	219.2	225.7	228.3		!
Natural gas plant liquids	598.3	634.1	50.6	54.1	52.2	54.2	50.8	52.5	56.7	50.8	54.3	54.0	55.3	56.5	***************************************	
Imports: Crude and unfinished oils	2,325.1	2,272.1	163.6	169.2	177.8	215.2	199.2	201.4	220.2	190.3	189.3	182.9	182.8	197.4		
Refined products	600.8 39.2	492.9 -7.8	28.0 -12.3	33.9 ~15. 6	43.3 18.7	48.2 50.3	46.1 5.6	37.7 36.1	47.0 11.0	42.0 16.7	40.0 18.6	43.8 2.9	43.9 -30.2	38.0 -7.4		
Product demand, totalExports:	6,512.9	6,439.0	496.3	528.3	505.2	534.6	530.5	554.0	557.1	524.6	552.2	528.0	567.7	561.9		
Crude petroleum	39.7 272.4	42.4 322.8	4.3 36.1	4.2 25.0	4.9 17.2	5.1 30.5	2.4 25.3	4.3 25.5	1.7 24.3	3.3 20.3	2.8 25.6	3.8 24.0	4.1 33.5	3.7 31.8		
Refined products	212.4	322.81	30.11	∠5.0	17.21	30.01	20.31	20.01	24.31	20.31	23.01	49.01	33.31	. 31.01		***************************************

Unless otherwise stated in footnotes below, data	An	nual						1991			•				1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
			15. PETR	OLEUM	COAL,	AND PR	ODUCTS	Conti	nued							
PETROLEUM AND PRODUCTS—Continued												1				
[Millions of barrels, unless otherwise specified]						İ				1		1				
All oils, supply, demand, and stocks—Continued		0.070.0	455.0	400.4	400.4		500.0	504.0	504.4		500 7	500.0	500.0	500.4		
Domestic product demand, total #	6,200.8 2,649.6	6,073.9 2,633.8	455.9 191.1	499.1 219.1	483.1 214.8	499.0 232.5	502.9 224.8	524.2 235.1	531.1 235.4	501.1 213.5	523.7 226.1	500.2 210.7	530.0 224.3	526.4 215.5		***************************************
Kerosene Distiliate fuel oil	15.5 1,102.5	17.3 1,064.8	1.6 84.0	1.4 92.0	1.1 86.1	.8 84.8	.5) 83.5	.4 82.1	.6 86.1	.2) 85.2	.7 93.9	3.4 87.5	3.31 95.7	3.5 100.0		
Residual fuel oil	448.5 555.6	420.6 534.9	34.7 42.6	37.4 44.4	33.8 40.5	31.3 40.7	38.0 44.0	34.6 46.8	37.4 47.3	32.0 44.6	31.9 46.0	33.9 43.5	40.5 46.3	40.7 45.8		
Lubricants	59.7 176.3	53.2 160.9	3.3 5.1	4.2 7.4	4.5	4.8	4.6 18.9	5.1 20.3	4.7 21.6	4.5 20.8	4.7 18.8	4.1 9.7	4.2 6.8	4.7 5.8		
Asphaltgases	568.0	603.1	68.8	48.2	11.3 42.7	15.0 42.2	43.3	48.0	48.5	49.2	48.5	55.1	59.2	59.3		
Stocks, end of period, total	1,620.6 908.4	1,615.8 893.1	1,574.5 912.8	1,558.9 905.3	1,577.6 907.2	1,628.0 927.0	1,633.6 916.1	1,633.9 911.0	1,645.0 913.8	1,661.7 909.6	1,643.1 911.2	1,646.0 912.6	1,615.8 893.1	1,608.4 909.7		
Strategic petroleum reserve	585.7	568.5	581.6	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5		
Unfinished oils, natural gasoline, etc Refined products	145.4 566.8	147.0 575.6	153.3 508.4	153.6 500.0	157.5 512.9	163.9 537.0	161.0 556.5	159.2 563.7	15.8 572.8	162.7 589.5	159.6 572.2	154.9 578.5	147.0 575.6	151.9 546.8		
Refined petroleum products:				į			}			1		İ				
Gasoline (incl. aviation): Production	2,548.4	2,554.8	184.6	206.4	202.8	219.8	221.4	226.7	225.7	212.1	209.8	210.9	228.5	219.0		
Stocks, end of period Prices, regular grade (excl. aviation):	182.4	181.7	182.7	174.4	171.9	173.7	178.5	173.5	172.8	179.1	168.3	173.3	181.7	192.8		
Producer Price Index, 1982=100 Retail, U.S. city average (BLS):	80.3	69.2	71.5	61.6	63.4	70.3	69.4	66.6	69.2	71.4	69.9	770.1	67.0	60.6	59.9	60.4
Leaded, \$ per gal. Unleaded, \$ per gal.	1.149 1.164	1.140	1.137 1.143	1.047 1.082	1.062 1.104	(³) 1.156	1.160	1.127	1.140	1.143	1,122	1.134	1.123	1.073	1.054	1.058
Aviation gasoline:				1.002	1.104	1.130		1	1.140		4		1.123	1.073	1.054	1.030
Production	8.5 1.7	8.0 1.5	5.4 1.9	.5 1.8	.5 1.7	.8 1.7	.8 1.7	1.0 2.1	.8 1.7	.8 1.7	.7 1.7	3.9 1.6	.5 1.6	.7 1.8		
Kerosene:	16.3	14.0	1.7	.7	1.1	.8	.8	.8	.4	.8	1.1	1.6	1.8	2.1		
Stocks, end of period	5.6 75.4	5.8 66.0	5.0 75.9	4.2 66.4	4.3 59.5	4.2 60.7	4.7 61.1	5.1 58.9	4.9 62.1	5.6 66.6	6.4 65.5	5.9 68.7	5.8 63.6	4.7 53.8	59.0	55.8
Distillate fuel oil:	1					90.6	88.2	92.8		91.6		93.1	96.3	87.4		30.0
ProductionImports	1,067.5 101.5	1,080.6 73.9	80.3 3.9	88.7 6.4	84.7 7.7	5.7	6.3	4.7	91.7 5.2	6.6	94.2 6.4	7.3	7.8	7.0		
Stocks, end of period Producer Price Index (middle distillate),	132.2	143.5	101.3	98.3	102.2	107.0	113.5	124.3	130.6	139.5	138.2	144.4	143.5	126.7		
1982=100 Residual fuel oil:	73.5	65.2	74.3	61.6	60.0	59.6	57.6	58.1	62.1	65.4	67.6	771.0	62.2	54.2	57.3	56.0
Production Imports	346.6 183.8	340.9 163.5	29.4 10.7	30.9 10.3	27.5 12.5	28.7 13.0	28.0 15.0	27.0 13.0	28.7 17.6	25.1 14.2	25.2 13.6	26.9 13.6	32.6 17.0	29.9 10.9		
Stocks, end of period Producer Price Index, 1982=100	48.6 57.2	49.9 46.9	44.6 62.8	42.9 47.2	44.7 44.3	45.8 41.2	43.5 43.7	43.4 42.8	45.6 44.0	47.9 57.4	48.1 51.9	49.0 40.5	49.9 45.2	44.3 48.5		35.3
Jet fuel:						ľ	1								i	33.3
ProductionStocks, end of period	543.2 52.1	524.9 48.8	43.3 48.0	40.3 44.6	38.6 43.7	42.3 46.9	44.2 48.6	44.2 47.1	46.1 47.7	44.9 49.6	43.9 47.8	43.0 48.2	47.4 48.8	41.9 44.7		
Lubricants: Production	61.2	57.0	4.5	5.0	4.6	4.9	5.0	4.8	4.7	4.9	4.5	4.2	4.7	4.8		,
Stocks, end of period	12.4	12.3	13.3	13.7	13.4	13.2	13.2	12.6	12.7	12.7	12.2	12.1	12.3	12.3		
Production	164.0 18.7	156.5 22.3	9.4 26.4	11.3 30.9	12.1 32.1	14.7 32.3	15.9 30.4	17.0 28.1	17.6 24.9	16.8 22.0	14.4 18.4	10.6 19.9	8.9 22.3	7.7 24.8		
Stocks, end of period Liquefied petroleum gases:			1				1		. 1							***************************************
Production, total	638.4 456.2	668.0 485.1 182.9	51.2 38.5 12.7	58.5 42.0	56.4 40.0	59.7 41.0	56.8 38.7	57.4 39.5	57.2 39.9	53.5 38.6	54.8 41.6	53.5 41.6	55.9 42.6	56.2 42.7		
At refineries (L.R.G.)	182.2 97.9	182.9 91.1	12.7 68.8	16.5 72.6	16.4 83.1	18.7 96.3	18.1 106.0	17.9 111.6	17.3 116.4	14.8 115.5	13.2 115.9	11.9 105.8	13.4 91.1	13.5 78.2		
	L		46	DIII D E	ADED	AND PAP	ED DDC	DUICTS				لـــــا		Li	L	
			10.	FULF, F	APEN,	AND FAR	En Pac	700013					-			
PULPWOOD [Thousands of cords (128 cu. ft.)]																
Receipts	199,304	98,659	8,171	8,161	8,097	7,934	8,120	8,385	8,351	8,125	8,602	7,839	8,095	8,824		
Consumption	799,109 5,961	98,242 5,688	8,115 5,554	8,161 5,670	8,271	8,108 4,936	7,992 4,880	8,239 4,948	8,419 5,100	8,125 7,871 5,501	8,293 6,122	7,966 6,126	8,006 5,688	8,626 5,717		
•	0,001	0,000	0,00	0,070	0,002	1,,000	1,000	.,0.10	0,700	0,000	۷,	5,125	2,222	5,1.1.		
WASTE PAPER							į									
[Thousands of short tons]	/00.004		4 000	4 040		4 700	4 000	4.004	4044	4.050	0.047	4.000	4 000	0.000		
Consumption	⁷ 20,981 915	22,733 1,076	1,669 917	1,816 907	1,754 960	1,763 1,025	1,800 998	1,801 1,021	1,944 1,014	1,956 1,050	2,017 1,065	1,930 1,054	1,883 1,076	2,029 1,061	1,912	
WOODPULP				,												
																}
[Thousands of short tons] Production:						1										
Total	463,050	63,818	5,033 104	5,319	5,285 115	5,188	5,197	5,604	5,357	5,133	5,483 105	5,186	5,472	5,681 139	5,254 110	
Dissolving pulp Paper grades chemical pulp	1,293 51,192	1,370 51,950	4.098	124 4,310	4.270	92 4,232	124 4,222	129 4,576	117 4,392	116 4,176	4,451	108 4,270	121 4,462	4,631	4,301	
Groundwood and thermo-mechanical	6,345 4,219	6,404 4,094	503 329	547 338	555 346	528 335	520 331	552 347	532 316	511 330	556 372	535 336	546 344	548 363	511 332	
Inventories, end of period:		,			İ										l	
Producers' own use	226 476	219 518	216 554	216 483	198 521	210 532 389	214 515	220 586	232 614	192 575 348	197 547	195 513	219 518	247 7548	571	
Consumers' purchased	392	451	409	406	394	389	351	353	366		347	345	451	450	451	
[Thousands of metric tons] Exports, all grades, total										۸.						1
Dissolving and special alpha								***************************************								
All other				***************************************				**************								
Dissolving and special alpha																
All other	I	I	I	l	I	ıI			l		l	Ii	l	······	I	I

Unlose athorning stated in feature below date								4004						- 	4000	
Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	nual 1991	Feb.	Mar.	Apr.	May	June	1991 July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	1992 Feb.	Mar.
iii business - Olivisius, isti-se	1990				<u>·</u> _			-		зері.	001.	1404.	D60.	Jan.	reu.	Mg1.
		1	6. PULP	PAPER	, AND P	APER PI	RODUCT	S—Con	tinued							
PAPER AND PAPER PRODUCTS								,								
[Thousands of short tons, unless otherwise specified]																
Paper and board: Production (API):																
Total Paper	78,782 39,359	79,438	6,135 3,009	6,569 3,243 3,326	6,338 3,172	6,486 3,206 3,280	6,462 3,176	6,752 3,337	6,973 3,443	6,628 3,267	7,049 3,528 3,522	6,530 3,173	6,619 3,145 3,474	6,816 3,306	6,536 3,183	
Paperboard Producer Price Indexes:	39,423	40,323	3,126		3,167	1	3,285	3,415	3,531	3,361		!		3,510	3,353	
Paperboard, 1982=100 Building paper and board, 1982=100	135.9 112.2	130.2 111.8	132.0 109.8	129.6 111.3	128.4 112.7	127.0 113.5	127.2 113.4	127.1 114.6	127.8 112.8	131.8 112.2	132.7 110.9	7132.8 110.6	132.9 110.9	133.3 112.2	133.7 116.7	134. 119.
Selected types of paper (API): Groundwood paper:																
Orders, new	/1,868 221	1,778 r225	126 229 133	154 239	130 238	146 249	178 274	148 280	184 308	156 295 155	138 283	105 245	129 225 140	151 255 128	94 238	
Shipments	1,806	7225 1,775	133	239 148	238 138	140	145	159	152	155	283 163	143	140	128	116	***************************************
Coated papers: Orders, new	17,430	7,294	517	600	582 565	601	623	646	685	669	660	527	550	r 665	621	
Orders, unfilled, end of period	589 7,536	7,310	522 564	528 588	565 558	604 572	598 596	638 640	647 660	667 644	666 685	600 588	576 566	7641 597	678 597	
Uncoated free sheet: Orders, new	¹ 11,479	11,544	784	856	924	1,002	1,013	1,131	1,079	982	1,098	946	813	r 999	1,085	
Shipments	11,503	11,552	852	901	915	957	922	1,044	1,057	974	1,088	923	929	969	954	
Unbleached kraft papers: Shipments	12,377	2,276	186	203	207	185	195	186	188	176	190	176	182	r210	193	
Tissue paper, production	15,802	5,669	459	505	477	472	474	440	484	465	486	458	464	480	466	
[Thousands of metric tons, unless otherwise specified] Newsprint:																
Canada: † Production	9,068	8,977	763	790	743	733	739	761	731	719	706	699	615	716	707	
Shipments from mills	9,074 315	8,756 536	763 686 462	755 498	736 506	733 710 529	719 550	697 614	731 614	698 635	735 606	686 619	714 536	662 589	660 636	
United States:																
Production	5,997 6,007	6,206 6,154	473 465 50	523 511	519 502 79	521 520	508 497 91	532 515	526 512 121	496 495 122	530 513	527 545	528 552	551 546	509 517	
Inventory, end of period	46 12,127	98 11,381	50 855 919	956	932	80 958	923	107 886	952	981	139 1,051	122 1,012	98 7952	103 7894	95 878	
Publishers' stocks, end of period # Imports	802	816	919	923	907	905	890	914	904	864	804	764	816	r902	819	
Producer Price Index, standard newsprint, 1982=100	119.5	120.8	127.2	127.1	121.7	121.4	120.1	119.5	118.8	118.1	117.3	116.4	115.8	115.2	114.7	112.5
Paper products: Shipping containers, corrugated and solid fiber													1			
shipments, mil. sq. ft. surf. area	318,102	320,180	24,122	24,495	28,033	26,967	25,739	27,968	28,297	27,169	31,334	25,150	23,453	28,934	25,532	27,730
			1	7. RUBB	ER AND	RUBBE	R PROD	UCTS								
RUBBER																
[Thousands of metric tons, unless otherwise specified]								1								
Natural rubber: § Consumption	839.03				*******************											
Stocks, end of period	94.34 2860.34					***************************************			***************************************		***************************************					
U.S. Import Price Index, 1985=100	104.1	101.2	•••••	103.5			102.1			99.8	***************************************		99.5			
Synthetic rubber: ‡ Production	2,114.53	***************************************			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											************
ConsumptionStocks, end of period	1,820.78 403.66										***************************************					
Exports (Bureau of Census)			•••••													
TIRES AND TUBES																
[Thousands] Pneumatic casinos:																
Production Shipments, total	4210,662 260,424	202,390 257,606	17,375 17,632	16,208 19,798	17,017 21,237	17,360 22,215	16,419 23,884	14,354 21,628	17,784 24,036	17,045 25,930	19,588 25,719	16,354 19,446	15,173 17,724	18,772 19,590		
Original equipment Replacement equipment	54,191 188,838	48,582 190,029	3,393 12,689	3,713 14,595	4,351 15,377	4,691 15,959	4,279 18,008	3,178 16,926	4,254 18,041	4,519 19,607	5,296 18,598	4,106 13,982	3,064 13,208	3,868 13,925		
Exports	17,393	18,998	1,550	1,491	1,511	1,566	1,596	1,523	1,743	1,803	1,826	1,359	1,452	1,777		***************************************
Stocks, end of period Exports (Bureau of Census)	42,649	35,533	50,051	51,096	51,151	50,725	47,204	44,069	41,610	36,773	34,567	34,772	35,533	38,400		
Inner tubes: Exports (Bureau of Census)																**********
Experie (Duran or Cerebes)										**************						

2.7 5,406 (2) 184 2.7 5,406 (2) 184 9.2 427 5.1 116 447 1,372,1 704 284,2 886 280,4 099 595,551 84,1 297 24,2 767 74,1	23,948 2 23,948 2 2	71,118.7 (2) 42.8 7105.6 115.7 306,391	35,379	39,876	June ASS PRO 40,037 1,450.5 49.5 108.7 116.3	1991 July DDUCTS 42,577	Aug. 43,363	40,294 *1,506.9 *50.5 *130.8	44,163	31,667	26,041 1,329.1	Jan. 24,482	1992 Feb.	Mar.
2.7 5,405 (²) 2.0 184 9.2 427 5.1 116 447 1,372,1 704 284,2,20,3 699 595,551 84,1,297 24,2,767 74,1	23,948 2 23,948 2 2	27,239 . 71,118.7 (2) 742.8 . 7105.6 5 115.7 . 306,391 . 24,351	35,379	39,876	1,450.5 49.5 108.7	42,577		*1,506.9 *50.5			1,329.1	24,482		
2.7 5,405 (²) 2.0 184 9.2 427 5.1 116 447 1,372,1 704 284,2,20,3 699 595,551 84,1,297 24,2,767 74,1	.2	71,118.7 (2) 42.8 7105.6 115.7 306,391			1,450.5 			*1,506.9 *50.5			1,329.1	24,482		
2.7 5,405 (²) 2.0 184 9.2 427 5.1 116 447 1,372,1 704 284,2,20,3 699 595,551 84,1,297 24,2,767 74,1	.2	71,118.7 (2) 42.8 7105.6 115.7 306,391			1,450.5 			*1,506.9 *50.5			1,329.1	24,482		
2.7 5,405 (²) 2.0 184 9.2 427 5.1 116 447 1,372,1 704 284,2,20,3 699 595,551 84,1,297 24,2,767 74,1	.2	71,118.7 (2) 42.8 7105.6 115.7 306,391			1,450.5 			*1,506.9 *50.5			1,329.1			
2.0 (2) 184 9.2 427 5.1 116 447 1,372,1 704 284,2,2 280,4 099 59,5,551 84,1,297 24,2,767 74,1	.5	7105.6 7105.7 306,391			49.5 108.7			750.5			41.7			
2.0 (2) 184 9.2 427 5.1 116 447 1,372,1 704 284,2,2 280,4 099 59,5,551 84,1,297 24,2,767 74,1	.5	7105.6 7105.7 306,391			49.5 108.7			750.5			41.7			
9.2 427 5.1 116 447 1,372,1 704 284,2,2 808 280,4 999 59,5 551 84,1,2 297 24,2 767 74,1	.5	742.8 7105.6 115.7 . 306,391			108.7			- 1						
5.1 116 447 1,372,1 704 284,2 280,4 986 23,4 999 59,5 551 84,1 297 24,2 767 74,1	.2 115.9 	5 115.7 . 306,391 0 24,351			. 1	1		130.8						
1,372,1 704 284,2 886 280,4 999 59,5 551 84,1 297 24,2 767 74,1	36 22,421 66 19,820 04 1,70 11 3,93	. 306,391 0 24,351	116.2	116.3	116.3	116 3					109.8			************
704 284,2 386 280,4 008 23,4 399 59,5 551 84,1 297 24,2 767 74,1	36 22,420 76 19,820 04 1,70 31 3,930	24,351		İ		110.3	116.4	116.4	116.4	116.5	116.5	116.6	116.6	117.0
704 284,2 386 280,4 008 23,4 399 59,5 551 84,1 297 24,2 767 74,1	36 22,420 76 19,820 04 1,70 31 3,930	24,351												
704 284,2 386 280,4 008 23,4 399 59,5 551 84,1 297 24,2 767 74,1	36 22,420 76 19,820 04 1,70 31 3,930	24,351												
986 280,4 908 23,4 999 59,5 551 84,1 297 24,2 767 74,1	76 19,820 04 1,70 01 3,93				338,261			382,405			345,139			
999 59,5 551 84,1 297 24,2 767 74,1	3,93	1	24,586 24,736	25,569 26,436	24,724 25,701	25,486 25,820	25,888 26,614	22,540 23,465	25,698 24,830	22,885 21,053	17,674 18,408	22,526 21,075		
551 84,1 297 24,2 767 74,1		7 2,082 3 4,802	2,082 5,527	2,379 6,073	2,268 5,876	2,297 5,849	2,497 5,661	2,199 4,913	1,885 4,913	1,371 3,971	1,208 3,854	1,692 4,020		
767 74,1	6,21	3 6,930	6,950	7,633 2,393	7,697 2,241	8,133 2,130	7,731 2,143	6,811 1,908	7,128 2,061	6,400 1,828	5,657 1,686	6,402 1,962		
		1	6,671	6,616	6,005	6,182	6,934	6,192	7,252	6,051	4,878	5,703		
190 13,3	i i		1,013	1,217	1,458	1,038	1,422	1,262	1,409	1,302	1,025	1,147		
174 1,6 449 41,4	57 7	0 104	120	125 44,233	156 43,293	191 42,745	226 41,755	180 41,028	182 41,703	130 43,019	100	149 43,384		
]	Ì								ĺ					Į
j	1						1	ĺ		.]	! !			
658 /14,7		1,170	1,185	1,237	1,192	1,250	1,308	1,233	1,373	1,199	1,204	1,312		
	38 1,13	7 1,184	1	1,168		1,339	1,176		1,401	1,168	1,073	1,294		
/20 . /,6	34 36	345	540	020	/06	614	/32	/62	/64	300	''	***************************************	***************************************	***************************************
310 /5,2	72 37	7 296	383	478	509	480	513	427	467	482	496	425		***************************************
(4) (2)							***************************************							
445 /183	17 1 26	1 463	1 521	1 508	1 /197	1 725	1 665	1 588	1 749	1.435	1 363	1 625		
15	12	11 1	1 1	1	1	1	1	- 11	. 1	11	- 1	- 1		
268 2	27 1	7 20	19	l 181	19	20	19	20	23	18	16	36		
978 5.0	33 39	405	434	426	418	468	446	416	460	368	361	403		***************************************
713 6	0 46	55	64	66	57	61	65	60	62	48	40	54 53		
002	<u>~L</u>					36	33		36	40		33		
- 1		1	9. TEXTI	LE PROI	DUCTS		- 1					- I		
									İ					

													;	
							1			, [
						137	699	2,478	8,474	13,275	15,891 517,542	16,766		
		⁷ 2,068			⁷ 2,212					,				,
	79	76,929			⁷ 3,174			72,215 716,591			⁷ 2,199 ⁷ 13,579	³870 11,748	729 10,058	
	272	772	7726	272	14,688	14,688	14,688	14,688	14,688	14,688	14,688	272	272	1,1

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Unless otherwise stated in footnotes below, data through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	nual 1991	Feb.	Mar.	A		l	1991	6	6	Oct.	Nov.	Dec.	Jan,	1992 Feb.	Mar.
III BUSINESS STATISTICS, 1961-88	1990	1991	reo.		Арг.	May	June	July	Aug.	Sept.	OCt.	NOV.	Dec.	Jan.	reb.	Mar.
				19. TEX	TILE PR	ODUCTS	Conti	nued								
COTTON AND MANUFACTURES—Continued																
Cotton (excluding linters)—Continued Exports, thous, running bales																
Imports, thous net weight bales Price(farm), American upland, cents per lb. ◊	³ 67.1	*62.9	67.9	68.9	69.5	70.1	67.5	66.3	66.9	64.8	62.7	60.9	55.6	51.6	r49.6	49.0
Price, Strict Low Middling, Grade 41, staple 34 (11/16"), average 10 markets, cents per lb	³ 74.8	°56.9	77.7	77.9	79.9	83.9	79.0	71.3	66.4	62.4	58.3	54.7	53.9	51.5	50.8	52.0
Spindle activity (cotton system spindles):	0.7	0.0		⁷ 9.8			⁷ 9.6			79.4			⁷ 9.2	8.8	8.8	
Active spindles, last working day, total, millions Consuming 100 percent cotton, millions	9.7 3.8	9.2 3.7		73.8			73.9			74.0			⁷ 3.7	3.8	3.8	
Spindle hours operated, all fibers, total, billions Average per working day, billions	65.8 .254 25.8	60.4 .231		⁷ 14.9 ⁷ .233 ⁷ 5.9			⁷ 15.7 ⁷ .241 ⁷ 6.3			715.0 7.227			714.8 7.224	⁴5.8 ⁴.233	.241	
Consuming 100 percent cotton, billions	25.8	24.3		75.9			76.3	***************************************		76.2			⁷ 5.9	⁴2.3	2.0	
Cotton broadwoven goods over 12" in width:	4,464	4,389		1,073			1,140			1,082			1,094			
Production (qtrly.), mil. sq. yd Orders, unfilled, end of period, compared with	4,404	4,309	***************************************	1,073			1,140			1,002	******************		1,054		****************	
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 §													*************			
Producer Price Index, gray cotton broadwovens,																
1982=100	113.8	114.8	113.6	114.1	114.5	114.9	115.2	115.3	115.3	115.3	115.4	r 115.8	115.6	116.5	116.8	116.8
MANMADE FIBERS AND MANUFACTURES																
[Millions of pounds]																
Fiber production, qtrly: Cellulosic filament yam	206.2	213.2		48.0			55.4			54.5			55.3			
Rayon staple, including tow	299.1	273.3	***************************************	67.4			68.7			69.7			67.5			
Noncellulosic, except textile glass: Yarn and monofilaments	4,193.7	4,282.2		994.0			1,066.3			1,100.2	••••••		1,121.8			
Staple, incl. tow	3,990.8	3,984.1		911.0			962.7			1,042.7			1,067.7			
Fiber stocks, producers', end of period: Cellulosic filament yarn	9.4	10.4		10.0			9.4			9.8			10.4			
Rayon staple, including tow	17.3	27.0		26.0			24.9			23.7			27.0			
Yarn and monofilaments	304.2 347.0	351.0 333.7		344.2 371.1			321.1 322.2			309.8 321.2			351.0 333.7			
Manmade fiber and silk broadwoven fabrics:	347.0	333.7		371.1	***************************************		322.2	***************************************		021.2	•••••	••••••	335.7			
Producer Price Index, gray synthetic broadwovens,	115.7	115.6	114.7	114.4	114.1	114.3	113.9	114.8	116.4	116.5	116.5	r 116.8	118.9	117.2	120.3	120.9
WOOL AND MANUFACTURES										'	İ					
[Millions of pounds, unless otherwise specified]																
Wool consumption, mill (clean basis):																
Apparel class	120.6 12.1	143.5 14.4		33.3 3.1			38.7 3.1			35.9 4.6	***************************************		35.6 3.6			
Wool imports, clean yield †	71.7	86.5	6.9	5.4	5.5	7.3 1.7	8.1 1.5	9.2	7.0	4.4 1.4	7.8 2.5	5.1	9.0 1.2	10.2 2.4	8.1 1.7	
Unimproved and other grades not finer than 46's 48's and finer *	21.4 50.3	18.2 68.2	1.2 5.7	1.5 3.9	1.3 4.3	5.5	6.6	1.5 7.7	1.3 5.7	3.0	5.4	1.2 3.9	7.8	7.8	6.4	
Wool prices, raw, shorn, clean basis: Domestic—Graded territory, 64's, staple 2%" and																
up, delivered to U.S. mills, \$ per lb	2.56	1.58	2.10	1.63	1.67	2.03	2.30	2.30	1.67	1.56	1.48	1.48	1.55	1.63	Ī	1.95
Australian Wool Corp., Charleston, SC, \$ per lb.	3.70	2.42	3.35	2.09	2.21	2.71	2.86		2.48	2.29	2.15	2.74	2.70	2.59	2.80	2.77
Wool broadwoven goods, exc. felts: Production (qtrly.), mil. sq. yd	140.7	169.6		38.1			48.3			r41.7			41.5			
FLOOR COVERINGS]															
Carpet, rugs, carpeting (woven, tufted, other),	l															
shipments, quarterly, mil. sq. yd	1,348.5	1,277.8	**************	294.2			326.5			347.2			309.9			
APPAREL			Ī													
[Thousands, unless otherwise indicated]																
Women's, misses', juniors' apparel cuttings, qtriy: Coats	18,120	18,618		4,236	,		4,108	***************************************		5,228			5,046			
Dresses	172,317 7,728	170,844 12,132		49,360 3,132			44,693 2,736			40,338 3,120			36,453 3,144		***************************************	
Skirts Slacks, jeans, dungarees, and jean-cut casual	92,778	93,067	ļ	22,348			23,639			25,883			21,197			
stacks	298,988 38,761	309,155 38,620		68,397 9,861			83,461 9,945			83,636 9,548			73,661 9,266			
Blouses, thou. doz.	· 30,/011	30,020	B	J,001			3,3401	***************************************	• ••••••	, 3,540	*	•	. 5,200	•		

Unless otherwise stated in footnotes below, data	An	nual						1991							1992	
through 1988 and methodological notes are as shown in BUSINESS STATISTICS, 1961-88	1990	1991	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
				19. TEX	TILE PR	ODUCTS		nued								
APPAREL—Continued			,										***			
[Thousands, unless otherwise indicated]																
Men's apparel cuttings, qtrly:																
SuitsCoats (separate), dress and sport	11,302 13,945	10,244 14,074		2,764 3,967			2,475 3,244	***************************************		2,451 3,522			2,554 3,341			
Trousers, slacks, jeans, pants, etc	458,476 103,239	496,713 98,102		105,700 23,108 25,623			125,073 24,628			134,731 24,335			131,209 26,031			
Hosiery, shipments, thous. doz. prs	328,622	324,867	25,170	25,623	28,351	27,099	28,551	28,153	27,696	24,996	31,948	28,226	24,191			
				20. TRA	NSPOR	TATION	EQUIPM	ENT								
AEROSPACE VEHICLES															-	
[Millions of dollars]																
Orders, new (net), total	³ 147,380 ³ 56,788															
Prime contract	3142,685															
Sales (net), receipts, or billings, total	³ 141,654 ³ 77,516													***************************************		
Backlog of orders, end of period #	³ 264,204															
U.S. Government	³ 92,148 3145,833															
Engines (aircraft) and parts	³28,233															
propulsion units, and parts	³ 32,600															
modifications), products, services	³ 19,819															
Aircraft (complete): Shipments						(⁷) 1,668										
Exports. commercial	1 18,444	*22,629	1,097	1,862	2,164	1,668	2,465	1,841	1,633	2,006	1,945	2,701	2,263	1,956	***************************************	
MOTOR VEHICLES (NEW)	i i															ļ
[Thousands, unless otherwise specified]														l		
Passenger cars: Factory sales (from U.S. plants):]			l											_	
Total	6,050 5,502	5,407 4,874	411 373	436 384	460 417	518 465	485 434 791	360 324 794 585	417 385	473 424	572 523 719 526 193	462 416	378 338 611	404 371	(²)	
Retail sales, total, not seas. adj Domestics §	9,499 6,898	8,388 6,137	636 479	384 749 545	707 510	465 790 581	791 593	794 585	385 711 503	424 687 498	719 526	623 458	438	573 417	664 497	*735 541
Imports §	2,601	2,251	157 8.4	204 8.8	197 8.0	209 8.5	593 198 8.8	209 8.9	208 8.4	189 8.5	193 8.3	165 68.3	173 7.9	156 8.0	167 8.5	€ 194 € 8.3
Total, seas. adj. at annual rate, millions Domestics, millions §		***************************************	6.1	6.2 2.5	5.6	6.1	6.6	6.6	6.2 2.2	6.2 2.3	6.1 2.2	66.2 62.1	5.9 2.0	5.9 2.1	6.2 2.3	6.0 •2.3
Imports, millions §			2.3	2.5	2.4	2.3	2.3	2.3	2.2	2.3	2.2	2.1	2.0	2.1	2.3	2.3
Not seasonally adjusted ‡‡																
Inventory-retail sales ratio, domestics ‡‡ Exports (Bureau of Census), total															******************	
To Canada		40 700 6						070.5					015.0	297.3	***************************************	
Imports (ITC), complete units	43,944.6 41,220.2	43,736.5 41,196.0	294.6 67.7	328.7 100.1	297.6 108.8	283.3 117.4	296.7 119.6	270.5 77.9	312.7 105.2	319.1 105.9	369.4 120.8	323.6 105.1	315.2 86.4	297.3 85.1		
Registrations 0, total new vehicles	9,103 3,459	8,234 3,295	*605 *228	669 264	675 275	744 286	792 304	755 291	675 297		692 283	610 247	628 253	619 245	590 225	
Trucks and buses:	3,439	3,293	220	204	213	200	304	231	231	320	200	271	200			
Factory sales (from U.S. plants):	3,719	3,373	202	238	300	337	323	230	277	326	378	303	244	249	(²)	
Domestic	3,448	3,035	177			302	323 290	209	256	299	347	272		232		
Total, not seasonally adjusted *	4,649.9 3,947.5	4,156.0 3,594.6	292.7 250.7	355.2 305.8	353.5 304.9	384.8 335.9	385.9 338.9	391.4 338.1	353.5 298.3	375.9 330.1	329.6 283.2	310.8 272.8	352.4 307.0	295.9 258.5	r 325.9 289.1	394.6 348.4
0-10,000 lbs. GVW, imports *	404.0	319.2 242.2	23.6	27.3	26.6 22.1	28.2	26.5 20.5	30.8 22.6	35.9 19.3	26.3	26.4 20.0	21.5 16.5	23.6 21.9	19.0 18.4	17.8	23.8 22.4
10,001 lbs. GVW and over †	298.4	242.2	327.5	337.1	331.4	20.7 342.5	361.7	349.4	345.1	389.7	334.8	348.9	381.8	344.0	7351.1	366.2
0-10,000 lbs. GVW, domestics 0-10,000 lbs. GVW, imports *			278.3 28.2	289.6 26.4	25.6	297.1 26.0	314.4 27.6	299.6 28.2	297.6 28.0	28.3	291.1 25.4	305.1 24.9	336.4 23.5	300.6 23.0	7309.2 20.7	323.2 21.9
Retail inventories, domestics, end of period:			21.0	l	20.3	19.4	1 !	21.6	19.4	1	18.4		21.9	20.4	21.1	21.1
Not seasonally adjusted	1,074.3 1,103.2	985.5 1,011.9	1,022.5 991.2	955.1 920.5		960.1 927.0		852.5 908.4	857.4 914.7	875.8 930.3	1,004.3 1,017.6		985.5 1,011.9	1,025.8 1,009.7	1,105.2 1,073.1	1,166.6 1,125.6
Exports (BuCensus)																
and bodies										***************************************					***************************************	
Registrations 0, new vehicles, excluding buses not produced on truck chassis	4,798	4,345	, 292	347	355	379	413	394	373	405	370	321	357	351	313	
Truck trailers and chassis, complete (excludes																
detachables), shipments, number	149,117 103,894	*138,319 *99,115	8,422 5,562	10,494 7,073		11,311 7,722	10,339 7,304	10,335 7,397	12,036 9,169		11,836 8,640		10,448 7,843	12,125 9,080		
Trailer bodies (detachable), sold separately, number Trailer chassis (detachable), sold separately, number .	(⁵) 17,214	(⁵) 19,022	827		1,638	1,904		924	1,097		2,078	l	2,692	2,671		
RAILROAD EQUIPMENT	[',,,,,										
[Number, unless otherwise specified]	1		ļ	ļ	ļ											
Freight cars (new), for domestic use; all railroads and			Į		1									ļ		
private car lines (excludes rebuilt and export cars): Shipments	32,063	32,063		6,397			6,003			6,331		.,,	7,541	.		
Equipment manufacturers New orders	32,063 27,197	32,063 27,197		6,397 5,873			6,003 5,126			6,331 5,300			7,541 6,655			
Equipment manufacturers	27,197 11,328	27,197 9,215		5,873 10,683			5,126 9,806			5,300 8,775			6,655 9,215	ļ		
Equipment manufacturers	11,328	9,215		10,683			9,806			8,775			9,215			
Freight cars (revenue), class 1 railroads (AAR): ‡ Number owned, end of period, thousands		Ì]						1	l			 			
Capacity (carrying), total, end of month, mil. tons Average per car, tons		***************************************										[
AVEIGUE DEL CAL. (UIS		l	J	1	1]	1		L				L	1	L	1

FOOTNOTES FOR PAGES S-1 THROUGH S-32

General notes for all pages:

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

Page S-1

- † Revised series. See the article on the comprehensive revision of the national income and product accounts that appears in the December 1991 issue of the Survey.
 - ‡ Includes inventory valuation and capital consumption adjustments.
- § Monthly estimates equal the centered three-month average of personal saving as a percentage of the centered three-month moving average of disposable personal income.
 - ♦ See note "♦" for p. S-2.

Page S-2

- 1. Based on data not seasonally adjusted.
- ♦ Effective April 1990 Suavey, 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.

† Effective with the April 1991 SURVEY, M3 data have been revised to benchmark the data to the 1987 Census of Manufactures and 1988 Annual Survey of Manufactures, and to convert the series to the 1987 SIC codes. Revisions related to benchmarking affect all categories back to 1982. Revisions resulting from the SIC conversion affect about half the categories back to 1958. The coverage for some of the series in the market category has been changed.

Page S-4

- 1. Based on data not seasonally adjusted.
- # Includes data for items not shown separately.
- ‡ Includes textile mill products, leather and products, paper and allied products, and printing and publishing industries; unfilled orders for other nondurable goods industries are zero.
- For these industries (food and kindred products, tobacco, apparel and other textile products, petroleum and coal, chemicals and allied products, and rubber and plastics products) sales are considered equal to new orders.
 - † See note "†" for p. S-3.

Page S-5

- 1. Based on data not seasonally adjusted.
- @ Compiled by Dun & Bradstreet, Inc.
- # Includes data for items not shown separately.
- § Ratio of prices received to prices paid (parity index).
- ‡ See note "‡" for p. S-4.
- † In the Feb. and July issues of the SURVEY each year, data for the most recent six to eight years are subject to revise and are available upon request.
 - †† See note "†" for p. S-3.

Page S-6

- § 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. 1992 SURVEY, data have been revised back to 1987 and are available upon request.

Page S-7

- 1. Computed from cumulative valuation total.
- 2. Index as of Apr. 1, 1992: building, 415.9; construction, 460.5
- 3. Beginning Dec. 1988, series has been discontinued by the Bureau of the Census.
- ‡ Effective July 1991 SURVEY, data have been revised back to 1986. Effective July 1990 SURVEY, data were revised back to 1985. Revised data are available from the Construction Statistics Division at the Bureau of the Census, Washington, DC 20233.
 - # Includes data for items not shown separately.
- § Data for Mar., May, Aug., and Nov. 1990, and Jan., May, Aug., and Oct. 1991 are for five weeks; other months four weeks.
- ♦ 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.
- † Effective May 1990 Survey, data for seasonally adjusted building permits have been revised back to 1988 and are available upon request.
- * Series first shown in the July 1990 Survey. The fixed-weighted price index is a weighted average of the individual price index series used to deflate the Value of New Construction Put in Place (VIP) series. In calculating the index, the weights (the composition of current dollar VIP in 1987 by category of construction) are held constant. Consequently, the index reflects only changes in prices. The implicit price deflator is a derived ratio of total current to constant dollar VIP (multiplied by 100). It is the average

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Business Statistics Branch Business Outlook Division (BE-52) Bureau of Economic Analysis U.S. Department of Commerce Washington, D.C. 20230

of the individual price indexes used in the deflation of VIP, but the prices are weighted by the composition of VIP each period. As a result, the implicit price deflator reflects not only changes in prices, but also changes in the composition of VIP, and its use as a measure of price change is discouraged. Effective July 1991 Survey, data have been revised back to 1986.

- §§ Effective March 1992 Survey, the Construction Contracts Valuation Index has a new base year of 1987. Data have been revised back to 1983 and are available upon request.
 - †† Effective May 1991 Survey, the Boeckh indexes have a new base year of 1987.
- ‡‡ Effective Sept. 1990 Survey, the construction cost index for the Federal Highway Administration has been revised back to 1986 and has a new base year of 1987=100.

Page S-8

- Advance estimate.
- 2. Beginning with Feb. 1989 data, associations in conservatorship are excluded.
- Home mortgage rates are under money and interest rates on p. S-14.
- § Data include guaranteed direct loans sold.
- # Includes data for items not shown separately.
- @ Data are for closed mortgage loans of thrift institutions insured by the Savings Association Insurance Fund (SAIF)—FSLIC-insured institutions prior to Sept. 1989.
- † Effective April 1991 Survey, estimates of wholesale sales have been revised back to January 1988 and wholesale inventories have been revised back to January 1989. Revised data and a summary of changes appear in the report Revised Monthly Wholesale Trade, Sales and Inventories January 1984—December 1990, BW90-R, available from the Bureau of the Census, Washington, DC 20233.
- ‡ Effective March 1991 Sunvey, retail trade data have been revised. Estimates of retail sales have been revised back to January 1988 and inventories have been revised back to January 1989. (In 1990 data were revised back to 1982.) Revised data and a summary of changes will appear in the report Revised Monthly Retail Sales and Inventories, January 1981–December 1990, BR90–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 1992 Survey, the seasonally adjusted labor force series have been revised back to January 1987. The January 1992 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 1987–91 revision period will appear in the February 1992 issue of Employment and Earnings. Effective with the January 1991 Survey, the seasonally adjusted labor force series were revised back to January 1986.
- † The participation rate is the percent of the civilian noninstitutional population in the civilian labor force. The employment-population ratio is civilian employment as a percent of the civilian noninstitutional population, 16 years and over.
 - @ Data include resident armed forces.
 - ‡ See note "‡" for p. S-8.

Page S-10

- ♦ See note "♦" for p. S-9.
- ‡ The unemployment rates are the number of unemployed in each group as a percent of the civilian labor force in that group.
- § Effective with the Sept. 1990 and June 1991 issues of the Survey, data have been revised, respectively back to April 1988 and April 1989, unadjusted, and back to Jan. 1985 and Jan. 1986, seasonally adjusted, to reflect new benchmarks and seasonal adjustment factors. The Sept. 1990 and June 1991 issues of *Employment and Earnings* contain detailed descriptions of the effects of these revisions. All of the revised historical series will be published in a special supplement to *Employment and Earnings*. This supplement, when combined with the historical bulletin, *Employment, Hours, and Earnings, United States, 1909–90* will comprise the full historical series on national data obtained from the establishment survey.

Page S-11

- § See note "§" for p. S-10.
- ‡ This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.
 - Production and nonsupervisory workers.

Page S-12

- § See note "§" for p. S-10.
- Production and nonsupervisory workers.
- ‡ Earnings in 1982 dollars reflect changes in purchasing power since 1982 by dividing by Consumer Price Index. Effective Feb. 1990 and 1991 issues of the Survey, this series has been revised, respectively, back to 1985 and 1986 to reflect new seasonal factors for the CPI-W. Revised data are available upon request.
- §§ Effective with the June 1991 Survey, data have been revised back to 1989 and are available upon request. Wages as of Apr. 1, 1992: Common, \$19.30; Skilled, \$25.21.
 - t Excludes farm, household, and Federal workers.
- @ 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
- * Series first shown in the July 1991 Survey. Wages and salaries are defined as the hourly straight-time wage rate or, for workers not paid on an hourly basis, straight-time earnings divided by the corresponding hours. Straight-time wage and salary rates are total earnings before payroll deductions, excluding premium or supplemental pay for overtime and for work on weekends and holidays, shift differentials, and nonproduction bonuses such as lump-sum payments provided in lieu of wage increases. Production bonuses, incentive earnings, commission payments, and cost-of-living adjustments are included in straight-time wage and salary rates.

Page S-13

- 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).
- \uparrow 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 may include revisions not distributed to the months.
- 2. Weighted by number of loans.
- Beginning Feb. 1988, data suspended by the Farm Credit Administration, which is revising the information it collects and amending the reports it distributes.
 - 4. Beginning Sept. 1991, the Federal debt series are net of premium and discount.
- § 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.
 - \diamondsuit Excludes loans to commercial banks in the U.S.
 - ‡ Rates on the commercial paper placed for firms whose bond rating is Aa or the equivalent.
 - ‡‡ Courtesy of Metals Week.
 - @ Average effective rate
- † Effective May 1990 Survey, the consumer installment credit series have been revised back to 1980 to incorporate new information and updated seasonal adjustment factors. These revisions are available upon request.
 - * Series first shown in the June 1990 SURVEY.
- †† This series, first shown in the June 1990 Survey, represents the outstanding balances of loans that the loan originator has sold and are no longer carried on the loan originator's books. The loans are pooled and securities are issued on the pools.

Page S-15

- 1. Beginning Jan. 1989, the primary public offering statistics have been discontinued by the Securities and Exchange Commission.
 - 2. Effective April 1991 Survey, the Security Markets series have been discontinued.
 - 3. Money market deposit accounts are included with savings deposits.
- † Effective Feb. 1992 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

- The railroad average was discontinued by Moody's on July 13, 1989. Therefore, the July average reflects only eight working days.
- 2. Effective Oct. 3, 1990, the German Democratic Republic (GDR; East Germany) ceased to exist as a sovereign state and became a part of the Federal Republic of Germany. Accordingly, effective with the statistics for Oct. 1990, all merchandise imported from or exported to the former GDR will be included as trade with the Federal Republic of Germany.
- Beginning Jan. 1991 data, Roadway Services, Inc. will be included in the Dow Jones Transportation Average replacing Pan Am Corp. Roadway Services is listed on the NASDAQ National Market System. Comparability with earlier averages is not affected by this change.
- Beginning with Jan. 1992 data, the data include the republics of the former USSR, excluding Estonia, Latvia, and Lithuania.
- @ 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.
- The March through August 1991 issues of the Survey showed month-end yields for 1991 rather than monthly averages.
- † Effective with the Mar. 1990 Sunvey, seas. adj. exports and imports have been revised back to Jan. 1988, and are available upon request.

Page S-17

- Beginning with Jan. 1989 data, undocumented exports to Canada are now included, resulting in a break with Dec. 1988 data.
- 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.
 - 3. See note "2" for p. S-16.
 - 4. See note "4" for p. S-16.
 - @ See note "@" for p. S-16.
 - † See note "†" for p. S-16.
 - # Includes data not shown separately.
- \diamondsuit Data include undocumented exports to Canada, which are based on official Canadian import totals.
- * Series first shown in the October 1991 SURVEY. The deflators for the constant dollar series are primarily based upon the monthly price indexes published by the Bureau of Labor Statistics using techniques developed for the National Income and Product Accounts by the Bureau of Economic Analysis.

Page S-18

- 1. Reported annual total; quarterly or monthly revisions are not available.
- 2. For month shown
- * Series first shown in the October 1991 Survey. Source: Bureau of Labor Statistics.
- # Includes data for items not shown separately.
- # 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.
- †† Effective with the Ďec. 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.
- Data are partially estimated for first three quarters of 1991 and are not available. Value for 4th quarter 1991 is based on partially estimated production data.
 - 6. Beginning in 1991, data are available only on a quarterly basis.
 - 7. Data withheld to avoid disclosing figures for individual companies.
 - # Includes data for items not shown separately
- $\$ Data are reported on the basis of 100 percent content of the specified material unless otherwise indicated.
 - ‡ 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.
- 4. Beginning in 1991, data are available only on a quarterly basis.
- § Data are not wholly comparable from year to year because of changes in classification.
- @ 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.
 - 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. See note 4 for p. S-19.
- § Cases of 30 dozen.
- Series first shown in the Jan. 1991 SURVEY.

Page S-23

- 1. Crop estimate for the year.
- 2. Reported annual total; revisions not distributed to the months.
- 3. Data suppressed because they did not meet Census publication standards.
- 4. See note 4 for p. S-19.
- 5. Data withheld to avoid disclosing figures for individual companies.
- 6. Beginning in 1991, data are available only on a quarterly basis.
- # 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.
- 4. Beginning in 1990, monthly data have been discontinued.

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.
 - 4. Beginning in 1990, monthly data have been discontinued.
 - @ Includes domestic and foreign ores.
 - § Source: Metals Week.

Page S-26

- 1. Reported annual total; monthly revisions are not available.
- 2. Less than 50 tons.
- 3. See note 3 for p. S-25.
- 4. Break in comparability beginning Jan. 1, 1991, because of a change in the Metals Week pricing series for zinc.
 - 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
 - # Includes data not shown separately.
- † Effective April 1991 Survey, the materials handling index has been revised back to 1982 and now includes lift trucks. Revised data are available upon request.
 - @@ Price represents North American Mean.
- @ Effective with the Sept. 1990 Survey, the new orders index numbers have been converted to a new base year of 1987=100. Data back to 1988 are available upon request.
- § Effective Mar. 1992 SURVEY, the fluid power indexes have a new base year of 1990. Historical data are available back to 1960.

Page S-27

- 1. Annual total includes revisions not distributed to the months or quarters.
- 2. See note 4 for p. S-19.
- 3. Beginning in 1990, quarterly data have been discontinued. Annual data will continue to be
- 4. Beginning with May 1991 data, monochrome production numbers are no longer included.
- # 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
 - 11 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.
- 3. Beginning May 1991, the leaded gasoline price is not statistically valid for publication.
- # Includes data for items not shown separately.

Page S-29

- 1. Reported annual total; revisions not allocated to the months.
- Source: American Paper Institute. Total U.S. estimated consumption by all newspaper users. See also note "†" for this page.
- § Effective with the October 1990 SURVEY, data have been revised back to 1989 to reflect adjustments
- made by the Rubber Manufacturers Association's Rubber Statistical Committee.

 ‡ Effective with the October 1990 Survey, synthetic data consisting of Butyl, polyisoprene, polychloroprene, silicone, and other elastomers have been revised in keeping with data provided by the Census Bureau's MA30A report beginning in 1990. Also see note "§" on 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. Figure suppressed because it did not meet Census publication standards.
- 3. Data cover five weeks; other months, four weeks.
- Beginning Jan. 1989, sales of industrial plasters are included with building plasters.
- 5. Jan. 1, 1992 estimate of the 1991 crop.
- Total for crop years, 1989/1990 and 1990/1991 respectively.
- Data are available only on a quarterly basis.
- # 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.
- Average for crop year; Aug. 1–Jul. 31.
 For five weeks; other months four weeks.
- 5. See note 4 for p. S-19.6. Beginning in 1990, data are available only on a quarterly basis.
- Beginning in 1991, data are available only on a quarterly basis.
- Based on weighted marketing price for Aug.-Nov. 1991.
- Based on the average of Aug. 1991-Feb. 1992.
- ♦ Based on 480-lb. bales, preliminary price reflects sales as of the 15th; revised price reflects total quantity purchased and dollars paid for the entire month (revised price includes discounts and premiums).
 - § Bales of 480 lbs.
 - The total may include some miscellaneous wool imports. Series first shown in the July 1990 Survey.

Page S-32

- 1. Annual total includes revisions not distributed to the months.
- 2. Production of new vehicles (thous. of units) for Mar. 1992: passenger cars, 497; trucks and buses, 374.
 - 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.
- 6. Effective with the Dec. 1991 Survey, data have been revised back to 1988 and are available upon request.

 - 7. Data withheld to avoid disclosing figures for individual companies.

 # Total includes backlog for nonrelated products and services and basic research.
- § Domestics comprise all cars assembled in the U.S. and cars assembled in Canada and imported to the U.S. under the provisions of the Automotive Products Trade Act of 1965. Imports comprise all
- Ocurtesy of R.L. Polk & Co.; republication prohibited. Because data for some States are not available, month-to-month comparisons are not strictly valid.
- * Series first shown in the August 1990 Survey. Effective with the Dec. 1991 Survey, seasonally adjusted retail sales for trucks and buses have been revised back to 1989, and are available upon
 - † includes some imported trucks over 10,000 lbs. GVW.
 - Excludes railroad-owned private refrigerator cars and private line cars.
- @ Effective with the Mar. 1992 Survey, seasonally adjusted retail inventories for trucks and buses have been revised back to 1977, and are available upon request.
- ‡‡ BEA has temporarily suspended publishing domestic auto inventories and inventory/sales ratios because of inconsistencies in the source data used to derive these estimates. BEA is reviewing the source data and methodology, and will issue improved estimates in July.

INDEX TO CURRENT BUSINESS STATISTICS

Sections	Disposition of personal income	Newsprint
eral:	Distilled spirits	New York Stock Exchange, selected data
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ood and kindred products; tobacco	Farm prices 5, 6 Fats and oils 17	Personal income Personal outlays
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ž	, , , ,	Television and radio
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	Mining	
cy in circulation	Monetary statistics	Wages and salaries
products	Moneý supply	Water heaters
U.S. Government	Mortgage applications, loans, rates	Wheat and wheat flour
tment stores, sales, inventories	Motor vehicles	Wood pulp
vashers and disposers	National parks, visits	Zinc

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