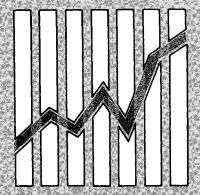
JANUARY 1990 / VOLUME 70 NUMBER

SURVEY OF CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE / BUREAU OF ECONOMIC ANALYSIS



SURVEY OF CURRENT BUSINESS



U.S. Department of Commerce

Robert A. Mosbacher / Secretary Michael R. Darby / Under Secretary for Economic Affairs

Bureau of Economic Analysis

Allan H. Young / Director Carol S. Carson / Deputy Director

Editor-in-Chief: Carol S. Carson Managing Editor: Leland L. Scott

Staff Contributors to This Issue: Robert L. Brown, Rudolph E. DePass, Douglas R. Fox, Howard L. Friedenberg, Daniel H. Garnick, Interindustry Economics Division, Daniel J. Larkins, Larry R. Moran, Ralph W. Morris, National Income and Wealth Division, Mira A. Piplani, Charles S. Robinson.

SURVEY OF CURRENT BUSINESS. Published monthly by the Bureau of Economic Analysis of the U.S. Department of Commerce. Editorial correspondence should be addressed to the Editorial Chief, SURVEY OF CURRENT BUSINESS, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Annual subscription: Second-class mail-\$18.00 domestic, \$22.50 foreign; first-class mail-\$43.00. Single copy-\$6.50 domestic, \$8.13 foreign.

Mail subscription orders and address changes to

Mail subscription orders and address changes to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Make checks payable to the Superintendent of Documents.

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

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

l Business Situation

- 2 GNP in 1989
- 3 Components of Real GNP in the Fourth Quarter
- 7 Prices
- 7 Personal Income

10 National Income and Product Accounts Tables

10 Selected NIPA Tables

24 Composite Indexes of Leading, Coincident, and Lagging Indicators

- 25 Regional Perspectives
 - 25 Total Personal Income Growth in Recent Quarters
- 27 State Personal Income: Summary Estimates, 1989:III
- 29 Accounting for Regional Differences in Per Capita Personal Income Growth: An Update and Extension
- 41 Annual Input-Output Accounts of the U.S. Economy, 1985

Blue pages: Current Business Statistics

(See page S-36 for subject index to Current Business Statistics)

Inside back cover: BEA Information

Note.-This issue of the Survey went to the printer on February 7, 1990. It incorporates data from the following monthly BEA news releases:

NORWICH LIBRARY
DEPOSITORY ITEMO228
DATE RECEIVEDMAR 1 9 1990
TUPT. DOC. NO.C 59 11:70/1

Gross National Product (Jan. 26),
Personal Income and Outlays (Jan. 29), and
Composite Indexes of Leading, Coincident, and Lagging
Indicators (Jan. 31).

the BUSINESS SITUATION

REAL GNP, a measure of U.S. production, increased at an annual rate of ½ percent in the fourth quarter after increasing 3 percent in the third (chart 1). Fourth-quarter growth was held down by a sharp drop in motor vehicle production (which reduced growth about 1 percentage point) and a strike at a major aircraft manufacturer (which reduced growth about ½ percentage point).

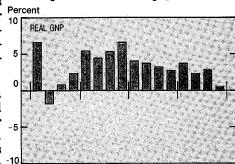
The Loma Prieta earthquake, which struck northern California in October, did not substantially affect the fourth-quarter growth of real GNP but did affect real net national product (NNP), another measure of U.S. production. Real NNP was unchanged in the fourth quarter but would have increased 1½ percent if the earthquake had not struck. The difference between GNP and NNP is capital consumption allowances with capital consumption adjustment, a measure that includes both the normal using up of

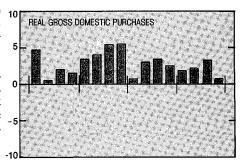
fixed capital in production and accidental damage to fixed capital. The ways in which accidental damage affect the national income and product accounts (NIPA's) were described in the October and November 1989 "Business Situation" articles; the impact of the earthquake on components of NNP is reported in the next section.

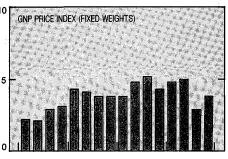
Real gross domestic purchases, a measure of U.S. demand, increased 1 percent in the fourth quarter after increasing $3^{1/2}$ percent in the third. Real final sales to domestic purchasers edged down, but the pace of inventory accumulation accelerated. The changes in both final sales and inventory investment were dominated by motor vehicles.

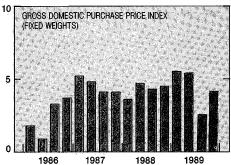
Inflation increased in the fourth quarter from a relatively low rate in the third: Both the GNP price index and the price index for gross domestic purchases increased 4 percent after in-

Selected Measures: Change From Preceding Quarter









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

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

Looking Ahead...

- National Income and Product Account Revisions. Revised estimates for the 3-year period beginning with the first quarter of 1987 will be presented in the July Survey. The presentation of the next comprehensive—that is, benchmark—revision has been delayed from November of this year to July 1991
- Business Statistics, 1961–88. The 26th edition of this biennial volume will soon be available from the Government Printing Office. It contains monthly or quarterly data for 1985–88 and annual data for 1961–88 for all series in the "S" (or blue) pages of the Survey and for selected BEA series. Order information will be in the February Survey.

Recruitment...

• Senior Level Positions. BEA expects to begin actively recruiting for two senior positions—Associate Director for Regional Economics and Associate Director for International Economics—in the near future. These are career reserved positions in the Senior Executive Service. For more information, contact the BEA Administrative Officer (202–523–0508).

creases of 3 percent and $2^{1/2}$ percent, respectively, in the third quarter.¹

The effect of the Loma Prieta earthquake.—In the NIPA's, earthquake damage to structures and equipment is estimated at \$13 billion in constant dollars (annual rates). These estimates are based on information from an insurance industry trade association and from officials of Federal and California disaster agencies.

These very rough estimates cover only damage to structures and equipment owned by businesses (including damage to owner-occupied residences). Note, in particular, that damage to structures owned by governments (such as roads and bridges) is excluded because those structures are treated in the NIPA's as purchases on current account and are, therefore, not capitalized.²

Four types of income were affected by the earthquake: Rental income of persons, proprietors' income, corporate profits, and compensation of employees. These incomes are not available in constant dollars in the NIPA's; the following estimates are in current dollars and are expressed at annual rates.

Uninsured earthquake damage reduced rental income of persons by \$6 billion, proprietors' income by \$1 $\frac{1}{2}$ billion, and corporate profits by \$4 billion. In addition, benefits paid by insurance companies reduced their profits by $$3^{1/2}$ billion, for a total effect on corporate profits of \$7^{1/2} billion. (Corporate profits for the fourth quarter will be published in the March 1990 SURVEY.) The total reduction in these incomes was very similar to that caused by Hurricane Hugo in the third quarter; however, the effect on the individual components was quite different. Insurance protection against earthquake damage is much less prevalent than against hurricane damage. Thus, most of the damage to residences caused by the earthquake was reflected in reduced rental income of persons; most of the damage caused by the hurricane was reflected in reduced insurance company profits.

owned fixed capital. Earthquake damage to these stocks is estimated at \$3 billion in current dollars and $\$2^{1/2}$ billion in constant dollars (not annual rates). In contrast, third-quarter hurricane damage to government-owned property was assumed to be negligible.

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 1982 dollars. The advance GNP estimate for the fourth 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 of goods and services: Federal outlays (2), and State and local construction put in place (2);

GNP prices: Consumer Price Index (3), Producer Price Index (3), nonpetroleum merchandise export and import price indexes (3), and values and quantities to calculate a unit-value index for petroleum imports (2).

Effective with this estimate of GNP, BEA is using the monthly export and import prices that have been published on a regular basis by the Bureau of Labor Statistics since early 1989. Unit-value indexes previously published by the Bureau of the Census were discontinued after July 1989. BEA continues to calculate a unit-value index only for petroleum imports.

The impact of the earthquake on rental income of persons and on proprietors' income lowered fourth-quarter personal income by $\$7^{1/2}$ billion; a $\$^{1/2}$ billion increase in wages and salaries paid in rescue and cleanup operations offset this reduction only slightly.

Motor vehicles.—Motor vehicle output declined $22^{1/2}$ percent in the fourth quarter after a moderate decline in the third. Sales plummeted even more—almost 50 percent—after a large increase. Reflecting the bigger drop in sales than in production, inventories increased \$5^{1/2} billion after declining \$11 billion in the third quarter.³

Boosted by the most attractive salesincentive programs ever offered by manufacturers, new car sales had surged to 10.8 million units (seasonally adjusted annual rate) in the third quarter. (See "Motor Vehicles, Model Year 1989" in the November 1989 Survey for a discussion of the factors underlying the weak sales in the spring that had induced manufacturers to offer these programs.) With the expiration of the programs and the announcement of substantial price increases at the beginning of the 1990 model year, car sales tumbled to 8.7 million units in the fourth quarter—their lowest level since the first quarter of 1983. Late in the fourth quarter, manufacturers introduced new incentives, but they were not as attractive or as widespread as those in the third. Sales recovered slightly in December, but not nearly enough to make up for the falloff in October and November.

The quarterly pattern of new truck sales, also affected by incentive programs, was similar to that of new cars. Truck sales jumped to 5.4 million units in the third quarter and then fell to 4.6 million in the fourth.

GNP in 1989

The economic recovery/expansion from the business cycle trough of November 1982 continued: 1989 marked the seventh consecutive year of expansion, by far the longest peacetime expansion in U.S. history. No previous peacetime expansion exceeded 5 years.

^{1.} The regularly featured estimates of real GNP and GNP prices are based on 1982 weights. An alternative measure of price change that uses more current weights—the chain price index—is published in table 8.1 of the "Selected NIPA Tables." The GNP chain price index can be used to calculate an alternative measure of real GNP growth based on more current weights; this measure of GNP increased at annual rates of $^{1/}{}_{2}$ percent in the fourth quarter and $3^{1/}{}_{2}$ percent in the third. Growth of real GNP in 1987 dollars, another measure based on more current weights, will be published in the "Reconciliation and Other Special Tables" in the February Survey of Current Business.

In its annual estimates of tangible wealth (usually published in August issues of the SURVEY OF CURRENT BUSINESS) BEA does estimate the stock of government-

Constant-dollar motor vehicle output, final sales, and inventory change are shown in tables 1.18 (autos) and 1.20 (trucks) of the "Selected NIPA Tables."

The pace of expansion slowed considerably in 1989, however, as was foreseen by private economic forecasters at the end of 1988 and as was intended by monetary authorities concerned about a possible resurgence of inflation. Evidence of slowing abounds: Real GNP increased 3 percent (during the current expansion, only the $2^{1/2}$ percent increase in 1986 was lower) after a 4^{1/2}-percent increase in 1988 (table 1). Civilian employment rose 0.2 percentage point less than in 1988, and the unemployment rate fell 0.5 percentage point less. The Federal Reserve Board index of industrial production increased 3.3 percent in 1989 after increasing 5.7 percent in 1988; the manufacturing capacity utilization index changed little after increasing 2^{1/2} percentage points in 1988.

With only one exception, all major components of GNP increased less (or declined more) than in 1988; slowdowns in exports and in nonresidential fixed investment were particularly pronounced and accounted for fourfifths of the deceleration in GNP. The only major component to increase more than in 1988 was government purchases of goods and services, which rebounded from a 1988 level that had been depressed by sizable withdrawals of crops from Commodity Credit Corporation inventories during and after the 1988 drought. (Withdrawals are treated as negative purchases in the NIPA's.)

Although the 11-percent increase in exports in 1989 was lower than in the boom years of 1987 and 1988, it

Table 1.—Changes From Preceding Year in Real Gross National Product and Prices ¹

[Dollars are in billions of 1982 dollars]

		Real	GNP		GNP Prices		
	Dol	lars	Pen	cent	m	ces	
					Pen	cent	
	1988	1989	1988	1989	1988	1989	
Gross national product	170.7	118.2	4.4	2.9	4.2	4.5	
Personal consumption						İ	
expenditures	84.7	70.1	3.4	2.7	4.3	4.7	
Fixed investment	37.6	12.1	5.8	1.8	3.2	3.9	
Nonresidential	38.3	17.3	8.4	3.5	3.4	3.8	
Residential	7	-5.2	4	-2.7	3.1	3.9	
Change in business		l					
inventories	4.2						
Net exports	40.8	18.6					
Exports		57.5	17.6	10.8	5.3	3.1	
Imports		38.9	6.8	6.4	5.0	4,1	
Government purchases	3.3	20.7	.4	2.6	4.6	4.7	
Addenda:							
Gross domestic purchases Final sales to domestic	129.8	99.6	3.3	2.4	4.2	4.6	
	125.6	103.0	3.2	2.5	4.1	4.6	
Disposable personal income			4.4	4.1			

^{1.} GNP price index (fixed weights); based on seasonally adjusted index numbers (1982=100).

was higher than the growth rates in all other years of the current expansion. Exports started the year strong but weakened dramatically in the third quarter. In merchandise exports, the weakening was evident in all end-use categories except in industrial supplies and materials and in consumer goods, each of which increased at about the same rate as in 1988. Import growth slowed only slightly, from 7 percent in 1988 to $6^{1/2}$ percent in 1989. The pattern of imports differed from that of exports; imports started the year weak and were strong thereafter.

Nonresidential fixed investment increased 3½ percent in 1989, less than in any other year of the current expansion except 1983 and 1986, when it declined. Investment both in structures and in producers' durable equipment weakened in 1989: Structures slipped 1^{1/2} percent after no change in 1988, and producers' durable equipment slowed to a 5-percent rate of increase from 111/2 percent. Investment, which had been anemic in the second half of 1988, rebounded in the first half of 1989 but then ebbed again, doubtless reflecting lower corporate profits, reduced cash flow, and the weakening of foreign and domestic demand.

Personal consumption expenditures slowed in 1989, mirroring a slowdown in the growth of real disposable personal income. A $33^{1/2}$ billion drop in inventory investment, from \$28 billion to $24^{1/2}$ billion, was more than accounted for by nonfarm inventories. Residen-

tial investment fell more than in 1988, reflecting a sharper decline in single-family construction.

Components of Real GNP in the Fourth Quarter

Residential investment and government purchases of goods and services were the only major components of final sales to increase in the fourth quarter. More than one-half of the increase in residential investment was accounted for by brokers' commissions; government purchases were boosted by inventory transactions of the Commodity Credit Corporation that more than offset a decline in defense purchases. In the other major components, the steep drop in purchases of motor vehicles more than accounted for the declines in personal consumption expenditures and nonresidential fixed investment and, indirectly, for the increase in inventory investment. Lower exports of civilian aircraft, reflecting the strike in the aircraft industry, more than accounted for the decline in net exports.

Personal consumption expenditures

Real personal consumption expenditures (PCE) changed little in the fourth quarter after a strong increase in the third; in the first two quarters of the year, increases had been modest (table 2). Fourth-quarter PCE was held down

Table 2.—Real Personal Consumption Expenditures

[Seasonally adjusted at annual rates]

		Billions	of 1982 o	Percent	change qua		ceding		
	Level	el Change from preceding quarter					19:		
			198	39			19	59	
	1989:IV	I	II	Ш	IV	I	II	Ш	IV
Personal consumption expenditures	2,689.3	13.3	12,7	36.4	-0.8	2.0	1.9	5.6	-0.1
Durables Motor vehicles and parts Furniture and household equipment Other durables Clothing and shoes Energy Other nondurables	917.5 460.7 171.0 123.2	-1.2 -4.5 6.8 -3.4 3.0 3.9 .4 -3.2 1.9	5.6 .9 3.7 1.0 -5.3 -4.6 .8 7	11.5 11.4 -1.1 1.2 11.1 1.8 7.5 .4 1.4	-14.8 -17.5 .5 2.2 -3.3 -2.5 -2.3 1.9	-1.1 -9.6 17.2 -17.6 1.3 3.4 1.0 -9.9 4.8	5.5 2.1 8.7 6.0 -2.3 -3.9 2.0 -2.3 -2.2	11.3 28.4 -2.4 7.1 5.0 1.6 19.4 1.3 3.5	-12.9 -32.3 1.1 13.1 -1.4 -2.1 -5.2 6.4 7
Services	1,350.3 375.8 169.4 84.3 85.1 101.1	11.5 1.6 -2.3 -2.6 .3 .1 5.1 7.0	12.3 2.1 1.0 .7 .2 .8 4.1 4.4	13.9 1.9 .1 4 .6 1.7 5.0 5.3	17.4 2.2 4.9 3.3 1.6 2.3 6.9	3.6 1.8 -5.4 -11.9 1.5 .4 7.4 7.5	3.8 2.3 2.5 3.5 1.0 3.4 5.8 4.6	4.3 2.1 .2 -2.0 2.9 7.2 7.0 5.5	5.3 2.4 12.5 17.3 7.9 9.6 9.6

Gasoline and oil, and fuel oil and coal.
 Electricity and gas.

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

CHART 2

primarily by the drop in purchases of motor vehicles. PCE less motor vehicles increased $2^{1/2}$ percent after increasing 4 percent in the third quarter; the fourth-quarter increase was comparable to those in the first and second quarters.

Expenditures for nondurable goods declined $1^{1/2}$ percent in the fourth quarter after climbing 5 percent in the third. Clothing and shoes accounted for two-thirds of the downswing, although all major components except fuel oil and coal declined in the fourth quarter after increasing in the third. The large downswing in clothing and shoes reflected a large upswing in prices. Fuel oil and coal jumped in the fourth quarter, in response to the severe cold weather in much of the country in December.

Expenditures for services increased $5^{1/2}$ percent in the fourth quarter after increasing 4½ percent in the third. All components except "other" services contributed to the acceleration. Electricity and gas (also affected by the severe cold), transportation services, and medical care services all had siz-"Other" services inable increases. creased slightly after a substantial increase; the slowdown was mostly due to unusually small increases in expenditures for private education and research and for religious and welfare services.

Factors usually associated with consumer spending weakened, but only a little, in the fourth quarter. Real disposable personal income decelerated, but its 31/2-percent increase over the past four quarters equaled its average rate of growth over the expansion. Consumer confidence (as measured by the Index of Consumer Sen- 2.5 timent prepared by the University of Michigan's Survey Research Center) declined slightly but remained at a 2.0 level that historically has been associated with a healthy economy. (The dip in consumer confidence reflected small step-ups in the inflation and unemployment rates.)

Nonresidential fixed investment

Real nonresidential fixed investment declined in the fourth quarter after an increase in the third quarter and larger 0.5 increases in the first two quarters (table 3). Structures edged up slightly in the fourth quarter, but producers' durable equipment (PDE) dropped.

Structures increased 11/2 percent after an 8-percent increase in the third U.S. Department of Commerce, Bureau of Economic Analysis

quarter. Construction of nonresidential buildings dropped after a thirdquarter increase, continuing the seesaw pattern that had prevailed earlier in the year. Oil well drilling posted a third consecutive increase in the fourth quarter, and construction by public utilities posted a third consecutive decline.

PDE dropped $4^{1/2}$ percent in the fourth quarter after an increase of about the same amount in the third. A steep drop in purchases of transportation equipment more than accounted for PDE's decline; other categories of PDE increased more than in the third quarter, although the step-up in purchases of industrial equipment was small.

Many factors point to continued restraint in capital spending in the near future. Corporate profits and cash flow have been weak since at least the end of 1988; increases in real final sales (excluding inventory transactions of the Commodity Credit Corporation) have been modest or nonexistent; and capacity utilization in man-

Table 3.—Real Gross Private Domestic Fixed Investment

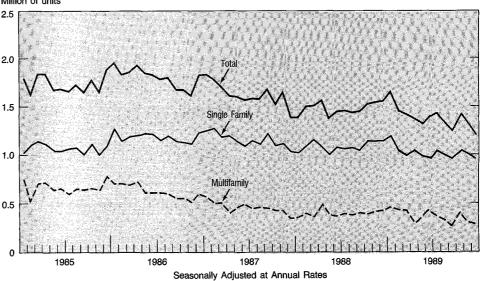
[Seasonally adjusted at annual rates]

	l	Billions	of 1982	dollars		Percent		from pre	ceding
	Level	Chang	ge from pi	eceding q	uarter	-	qua		
			19	89		<u> </u>	19	89	
	1989:IV	I	11	Ш	IV	I	11	Ш	IV
Gross private domestic fixed investment	700.1	5.8	4.1	2.0	-2.6	3.4	2.4	1.1	-1.5
Nonresidential	514.0	8.3	10.4	6.5	-3.9	6.9	8.6	5,2	-3.0
Structures	77.1 23.2 15.8	3 1.7 .3 -2.1 2	-3.0 -3.2 5 .2	2.3 1.1 4 1.1 .3	.4 6 4 1.6 1	-1.0 9.0 5.1 -45.3 -18.1	-9.5 -15.1 -7.9 6.3 77.3	8.0 5.9 -6.5 38.1 29.5	1.3 -3,1 -6.6 53.3 -8.1
Producers' durable equipment	195.3 74.0 55.1	8.6 8.1 2.9 -4.0 1.5	13.3 8.8 -1.4 4.1 1.8	4.4 2.0 0 2.1 .3	-4.3 4.2 .5 -11.8 3.0	9.6 20.2 17.1 -22.5 10.0	14.8 21.0 -7.3 29.9 11.8	4.6 4.3 0 13.6 1.8	-4.3 9.1 2.7 -54.0 19.5
Residential Single-family structures Multifamily structures Other	88.6 18.1	-2.5 .4 .3 -3.1	-6.3 -7.2 .3 .6	-4.5 -3.2 -1.0 4	1.2 .7 7 1.4	-5.0 1.6 6.4 -14.5	-12.3 -26.2 6.3 3.1	-9.2 -13.3 -18.7 -2.0	2.6 3.2 -14.1 7.4

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

Housing Starts

Million of units



ufacturing dropped in the third and fourth quarters. Interest rates are one of the few factors that had been pointing in the other direction: The yield on new issues of high-grade corporate bonds dropped almost 1 percentage point from the first to the fourth quarters, but it moved up during the fourth quarter.

Residential investment

Real residential investment increased in the fourth quarter after three consecutive quarterly declines. Small changes in single-family and multifamily construction were offsetting, while "other" residential investment increased. (The "other" compo-

nent includes major replacements, additions and alterations, mobile home sales, and brokers' commissions on house sales.)

Single-family construction increased 3 percent in the fourth quarter. Single-family starts, however, declined $7^{1/2}$ percent—partly because of the very cold weather—after changing little in the second and third quarters (chart 2). The divergence between construction and starts reflected an increase in the average value of starts.

Multifamily construction declined 14 percent after a decline of $18^{1/2}$ percent in the third quarter. Fourth-quarter multifamily construction was 38 percent below its peak in the second quar-

ter of 1986. The rental vacancy rate, although declining in the fourth quarter, remained high at 6.8 percent.

The increase in the "other" component was largely in brokers' commissions and reflected increases in both the average sales price and the number of houses sold. The increase in house sales, in turn, reflected declining mortgage interest rates (chart 3). Additions and alterations and major replacements also increased, as homeowners repaired damage caused by the hurricane and the earthquake.

Inventory investment

Real inventory investment—that is, change in business inventories—increased \$10^{1/2} billion in the fourth quarter, as businesses added \$32^{1/2} billion to their inventories after adding \$22 billion in the third quarter (table 4). Inventory investment had increased \$3 billion in the third quarter. The fourth-quarter pickup in inventory investment was accounted for by nonfarm inventories.

Nonfarm inventories increased $\$31^{1/2}$ billion in the fourth quarter, almost double the rates of accumulation in the preceding three quarters. For the year as a whole, accumulation amounted to \$21 billion, $\$9^{1/2}$ billion less than in 1988. All major categories of nonfarm inventories increased less than in 1988.

In the fourth quarter, most of the pickup in nonfarm inventory investment was accounted for by a sharp upswing in inventories held by retail auto dealers, although all categories except manufacturing contributed.

In manufacturing, inventory accumulation slowed considerably in the fourth quarter. The slowdown was largely in nondurables, where most categories declined or changed little after several quarters of accumulation. In durables, inventories of transportation equipment other than motor vehicles continued to grow strongly.

Wholesale trade inventories increased substantially more than in the third quarter. A sharp upswing in inventories of merchant wholesalers was accounted for partly by inventories of foreign autos and partly by inventories of groceries and farm products. Inventories of nonmerchant wholesalers declined after increasing; the downswing was largely in inventories held in petroleum bulk stations and terminals.

Table 4.—Change in Real Business Inventories

[Billions of 1982 dollars; seasonally adjusted at annual rates]

			Level			Chang	Change from preceding quarter					
	1988		19	89			19	89				
	IV	I	П	III	IV	I	п	Ш	IV			
Change in business inventories	18.3	24.5	19.1	21.9	32.6	6.2	-5.4	2.8	10.7			
Farm	-13.6	7.6	5	5.6	1.3	21.2	-8.1	6.1	-4.3			
Nonfarm Manufacturing. Whotesale trade Retail trade Auto dealers. Other retail trade Other.	1.9 11.6 6.6	16.9 3.8 -2.4 8.4 9.0 6 7.1	19,5 8.3 4.5 2.6 -3.0 5.6 4.1	16.2 12.0 2.4 -1.6 -9.0 7.4 3.4	31.3 4.7 8.3 13.8 3.2 10.6 4.5	-15.0 -8.4 -4.3 -3.2 2.4 -5.6	2.6 4.5 6.9 -5.8 -12.0 6.2 -3.0	-3.3 3.7 -2.1 -4.2 -6.0 1.8 7	15.1 -7.3 5.9 15.4 12.2 3.2 1.1			
Addendum: Nonfarm less auto dealers	25.3	7.9	22.6	25.2	28.1	-17.5	14.7	2.6	2.9			

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

Selected Interest Rates

Percent

13

11

9

7

3-month Treasury Bills

5

1985

1986

1987

1988

1989

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

Data: FRB. FLHLMC.

-1-3

CHART 3

Inventories of retailers other than auto dealers again increased strongly. In durables, the fourth-quarter accumulation was mainly in furniture and appliance dealers; in nondurables, it was in food stores and department stores

Farm inventories increased \$1 $\frac{1}{2}$ billion after a \$5 $\frac{1}{2}$ billion increase. For the year as a whole, farm inventories increased \$3 $\frac{1}{2}$ billion; in 1988 they had declined \$3 billion. In the fourth quarter, a downswing in inventories of crops held by farmers resulted from the combination of a pickup in market sales and a slowdown in net withdrawals of crops from the Commodity Credit Corporation under the commodity loan program.

Reflecting the higher rate of inventory accumulation and the slower pace of final sales, the ratio of nonfarm business inventories to final sales of business moved up to 2.83 in the fourth quarter. The fourth-quarter ratio was slightly above the 2.80 to 2.82 range of the past 2 years, but it (along with other aggregate inventory-sales ratios) was still quite low by historical standards.

An alternative set of constant-dollar inventory-sales ratios for the manufacturing and trade industries paint a similar picture while providing more detailed information about inventory developments in 1989. (Manufacturing and trade inventories account for

Table 5.—Constant-Dollar Inventory-Sales Ratios ¹
[Ratio, based on 1982 dollars]

	1988		19	89	
	IV	I	П	2.80 4.57 1.49 1.58 1.32 1.52 1.72	ΙV
Inventories and final sales of business:					
Inventories to final sales	3.05	3.05	3.04	3.04	3.0
Nonfarm inventories to final sales	2.82	2.81	2.80	2.80	2.8
Nonfarm inventories to final sales of					
goods and structures	4.58	4.56	4.55	4.57	4.6
Inventories and sales for manufacturing and trade:					
Manufacturing and trade	1.48	1.50	1.50	1.49	1.5
Manufacturing	1.54	1.57	1.57	1.58	1.5
Merchant wholesalers	1.34	1.33	1.33	1.32	1.3
Retail trade	1.53	1.55	1.55	1.52	1.5
Auto dealers	1.78	1.93	1.88	1.72	1.8
Other	1.45	1.45	1.46	1.46	1.4
			ŀ	1	

I. All ratios are based on end-of-quarter inventories and quarterly sales at monthly rates. Thus, the ratios measure the number of months that the current rate of sales could be sustained from the current level of inventories. For the first set of ratios, sales are limited to those to final users. For the second set of ratios, sales reflect various degrees of double counting. (For example, manufacturers' sales include interplant transfers within the same company, intercompany sales within the same industry, and interindustry sales within manufacturing.) Ratios shown for manufacturing and trade for the fourth quarter of 1989 are those for the month of November.

NOTE.—Dollar levels for most inventories and final sales of business are found in table 5.11 of the "Selected NIPA Tables." Manufacturing and trade inventories and sales estimates are published in the March, June, September, and December issues of the SURVEY OF CURRENT

approximately 83 percent of total nonfarm business inventories; manufacturing and trade sales include intermediate sales—that is, sales from one industry to another—as well as sales to consumers.) Based on data through November, the inventory-sales ratio for manufacturing and trade edged up over the course of 1989 (table 5). In particular, the ratio for manufacturing moved higher; the rise was due to a steady buildup in inventories of durable goods. The ratio for retail trade also was higher at the end of the year than at the beginning; part of this buildup was in inventories held by auto dealers and part was in inventories of retailers of nondurable goods.

Net exports

Real net exports fell $$4^{1/2}$ billion in the fourth quarter, almost as much as in the third (table 6). Net exports began the year with a large increase—with exports jumping and imports edg-

ing down—but increased much less in the second quarter when imports surged.

Merchandise trade was responsible for the fourth-quarter decline, as exports increased but imports increased more. Merchandise exports increased \$7 billion (or $7^{1/2}$ percent) in the fourth quarter after increasing \$31/2 billion in the third. Agricultural exports rebounded from a third-quarter drop that reflected, in part, lower corn shipments to the Soviet Union and lower soybean shipments to Western Europe. Nonagricultural exports increased in the fourth quarter, but little more than one-half as much as in the third. Nonagricultural exports were held down in the fourth quarter by a sharp drop in exports of civilian aircraft, reflecting the strike; other nonagricultural exports, for the most part, posted larger increases than in the third quarter.

Merchandise imports increased $$11^{1/2}$ billion (or $9^{1/2}$ percent) in the fourth quarter after increasing \$17

Table 6.-Real Net Exports of Goods and Services

[Seasonally adjusted at annual rates]

		Billions	of 1982	Percent change from preceding						
	Level	1989					quarter 1989			
							19	89	9	
	1989:IV	I	II	Ш	IV	Į	п	ш	IV	
Net exports of goods and services	-61.8	18.8	3.8	-5.9	-4.7					
Exports Merchandise Agriculture Nonagriculture Services	397.6 39.9 357.7	18.3 13.9 3.9 10.1 4.4	17.8 14.4 .6 13.8 3.4	5.6 3.7 -3.6 7.3 1.9	7.1 7.0 2.8 4.2	14.0 16.4 50.6 13.1 9.4	13.1 16.4 6.1 17.7 7.1	3.9 3.9 -31.0 8.7 3.8	4.9 7.4 33.8 4.8 .2	
Imports Merchandise Petroleum Nonpetroleum Services	515.9 96.0	6 -6.0 -2.4 -3.6 5.3	14.1 10.1 3.7 6.4 3.9	11.5 16.8 5.8 11.0 -5.2	11.8 11.6 -1.4 13.0 .2	4 -4.9 -10.2 -3.6 15.8	9.3 8.7 17.9 6.7 11.0	7.4 14.5 27.8 11.6 -13.1	7.5 9.5 -5.6 13.4 .5	

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

Table 7.—Real Government Purchases of Goods and Services

[Seasonally adjusted at annual rates]

		Billions	of 1982	dollars		Percent change from preceding quarter				
	Level Change from preceding quarter									
	1000 77	1989								
	1989:IV	I.	п	ш	īV	I	II	Ш	IV	
Government purchases of goods and services	807.9	-6.7	10.6	-5.0	2.6	-3.3	5.4	-2.4	1.3	
Federal National defense Nondefense Commodity Credit Corporation inventory change	254.7 79.0	-8.4 -7.2 -1.2 -1.1	8.1 1.4 6.7 6.4	-7.5 4.3 -11.8 -10.8	-2.5 -5.4 3.0 3.0	-9.4 -10.6 -5.7	10.0 2.2 37.4	-8.4 6.9 -43.9	-2.9 -8.0 16.7	
Other		i	.3	-1.0	0	5	1.4	-4.6	0	
State and local Structures Other	474.2 58.7 415.5	1.7 -1.3 3.0	2.5 5 3.0	2.5 5 3.0	5.0 1.7 3.3	1.5 -8.5 3.0	2.2 -3.4 3.0	2.2 -3.4 3.0	4.3 12.5 3.2	

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

billion in the third. Petroleum imports edged down, but imports of non-petroleum products registered their largest increase in 2 years. Among nonpetroleum imports, capital goods (except autos) registered the biggest increase (as computer imports jumped for the fourth consecutive quarter), but most other end-use categories also registered sizable increases.

Small fourth-quarter increases in exports and imports of services reflected changes in interest income that were primarily due to changes in the amounts borrowed and lent rather than to changes in interest rates.

Government purchases

Real government purchases increased in the fourth quarter after a decline in the third; somewhat larger ups and downs had been posted in the first two quarters (table 7). The fourth-quarter increase—as well as the third-quarter decline—reflected the pattern of Commodity Credit Corporation (CCC) inventory transactions; government purchases excluding CCC inventory transactions declined slightly after an increase.

Federal defense purchases declined $\$5^{1/2}$ billion in the fourth quarter, following a $\$4^{1/2}$ billion increase in the third. The decline was concentrated in purchases of military equipment. Spending on national defense declined for the second consecutive year—the first back-to-back declines in annual defense spending since 1975—76—reflecting declining budget authority for procurement since fiscal year 1985.

In nondefense purchases, the level of CCC inventories declined in the third and fourth quarters— $\$7^{1/2}$ billion and $\$4^{1/2}$ billion, respectively. These declines continued the series of decumulations that began in the second quarter of 1987 and that was interrupted only by a small increase in the second quarter of 1989.

State and local government purchases increased \$5 billion in the fourth quarter, twice as much as in the third. Most of the pickup was in structures, which increased after three quarters of decline; other components included small amounts for the cleanup and rescue operations associated with the hurricane and earthquake.

Prices

After slowing in the third quarter, inflation moved about one-half of the way back up toward the rates registered in the first half of the year. The GNP price index (fixed weights) increased 4 percent in the fourth quarter after increasing 3 percent in the third quarter and 5 percent in the first and second quarters (table 8). The price index for gross domestic purchases (fixed weights) increased 4 percent after increasing $2^{1/2}$ percent in the third quarter and $5^{1/2}$ percent in the first and second quarters.

In the fourth quarter, as in the first two quarters of the year, the increase in gross domestic purchases prices was larger than the increase in GNP prices. (Differences in the changes in these two price measures reflect prices of exports and imports.) In the fourth quarter, export prices increased less than import prices. Sharp changes in import prices in recent quarters are largely traceable to imported petroleum. Imported petroleum prices swung to a 24^{1/2}-percent increase in the fourth quarter from a 30-1/2 percent decline in the third. Among nonpetroleum merchandise imports, auto prices increased the most—9 percent. timates of export and import prices are based primarily on newly available monthly series compiled by the Bureau of Labor Statistics; see box on page 2.)

Table 8.—Price Indexes (Fixed Weights): Change From Preceding Quarter

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

		19	989	
	I	Ш	Ш	ΙV
GNP	4.8	5.0	2.9	3.8
Less: Exports	1.6	2.5	4	1.7
Plus: Imports	8.6	5.7	-4.4	5.1
Equals: Gross domestic purchases	5.5	5.4	2.5	4.1
Less: Change in business inventories	ļ			
Equals: Final sales to domestic				
purchasers	5.5	5.3	2.5	4.1
Personal consumption expenditures		6.3	2,2	4.4
Food		7.8	2.7	4.7
Energy Other personal consumption	4.7	31.5	-9.4	-1.4
expenditures	4.6	3.9	3.2	4.9
Nonresidential structures	5.3	4.2	3.9	3.1
Producers' durable equipment	4.4	2.2	2.6	3.7
Residential investment	5.8	7.2	4.6	2.0
Government purchases	8.0	3.3	2.8	3.6
Addenda:				
Merchandise imports		6.7	-7.6	4.6
Petroleum and products		99.2	-30.6	24.5
Other merchandise	2.6	-2.6	-3.4	1.9

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

PCE prices increased 41/2 percent in the fourth quarter after a 2-percent increase in the third. Food, energy, and "other" PCE prices all contributed to the acceleration. PCE food prices rose more than in the third quarter but less than in the first half of the vear. The pickup, to $4^{1/2}$ percent, was mainly due to a turnaround in pork prices and a surge in prices of dairy products and fresh fruits. PCE energy prices declined 11/2 percent in the fourth quarter following a 9^{1/2}-percent decline in the third. Gasoline prices fell 14 percent, somewhat less than in the third quarter. Prices of electricity and gas increased 5 percent after a small decline. "Other" PCE prices increased 5 percent in the fourth quarter after a 3-percent increase in the third; the pickup was mostly due to rebounds both in new car prices—reflecting both increased list prices and less generous sales incentives-and in clothing prices.

Among the components of fixed investment, prices of nonresidential structures continued to decelerate. A pickup in PDE prices in the fourth quarter was largely in prices of motor vehicles and communication equipment. Prices of residential structures slowed again.

Prices of government purchases increased $3^{1/2}$ percent in the fourth quarter after a 3-percent increase in the third. The pickup was in prices of Federal defense purchases.

Personal Income

Personal income increased much more in the fourth quarter than in the third (chart 4 and table 9). About onehalf of the acceleration was accounted for by a turnaround in Federal subsidy payments to farm proprietors.

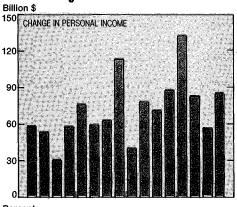
Wage and salary disbursements were up \$49 $^{1/2}$ billion in the fourth quarter, \$3 $^{1/2}$ billion more than in the third. All major private industry components except manufacturing contributed to the step-up, reflecting further gains in employment and average hourly earnings. Manufacturing wages and salaries were up less than in the third quarter; they were boosted \$2 $^{1/2}$ billion by bonus payments to employees in the motor vehicle industry, but they were depressed \$1 $^{1/2}$ billion by the strike in the aircraft industry.

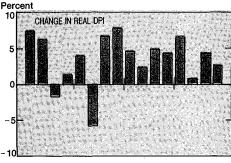
Farm proprietors' income increased in the fourth quarter after a substantial decline in the third. Most of the upswing was due to Federal agricultural subsidy payments, which increased \$6 billion after declining \$8 billion. The fourth-quarter increase in subsidies included Conservation Reserve Program payments and drought assistance payments. Farm income excluding subsidies declined for the third consecutive quarter; the fourth-quarter decline was due to lower farm prices.

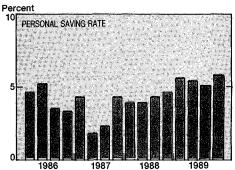
Nonfarm proprietors' income and transfer payments increased some-

CHART 4

Selected Personal Income and Saving Measures







Based on Seasonally Adjusted Annual Rates

Note.—Changes are from preceding quarter.
U.S. Department of Commerce, Bureau of Economic Analysis

what more than in the third quarter. The increase in transfer payments reflected retroactive social security payments to recent retirees and disaster assistance payments in the aftermath of Hurricane Hugo and the Loma Prieta earthquake.

Rental income of persons declined slightly—the fifth consecutive quarterly decline. In the third quarter, rental income was reduced \$3 billion by the hurricane; in the fourth quarter, it was reduced \$6 billion by the earthquake. The reductions reflected uninsured losses, which are deducted as an expense in deriving rental income.

Each of the remaining components of personal income—other labor in-

come, personal dividend income, and personal interest income—increased about as much as in the third quarter. Personal contributions for social insurance, which are subtracted in determining the personal income total, registered another small increase.

Personal tax and nontax payments increased \$16 billion in the fourth quarter, following a \$3½ billion decline in the third. The increase largely reflected growth in the taxable earnings base. The pattern of changes in the several preceding quarters was largely due to the effects of the Tax Reform Act of 1986.

Disposable personal income (DPI) increased $7^{1/2}$ percent in the fourth quar-

Table 9.—Personal Income and Its Disposition

[Billions of dollars; seasonally adjusted at annual rates]

	Level	C	hange from pr	eceding quarte	er
	4000 77		19	89	
	1989:IV	I	II	IΠ	IV
Wage and salary disbursements	2,704.0	55.6	48.1	45.9	49.3
Commodity-producing industries	750.4	11.9	7.1	8.9	7.8
Manufacturing		8.2	3.6	5.8	4.2
Other		3.7	3.5	3.1	3.6
Distributive industries	631.2 835.3	11.3 21.7	12.0 22.4	8.6 21.6	11.8 22.9
Service industries	487.1	10.6	6.6	6.7	6.9
Other labor income	255.3	4.8	4.7	4.7	4.6
Proprietors' income	350.9	31.0	-3.8	-12.2	7.6
Farm	38.8	27.0	-7.7	-15.2	2.7
Nonfarm	312.0	4.0	3.9	3.0	4.8
Rental income of persons	5.1	-4.3	-2.0	-4.4	3
Personal dividend income	115.7	3.0	2.0	1.8	2.5
Personal interest income	679.5	30.4	26.1	12.7	11.7
Transfer payments	649.0	22.6	10.4	9.6	12.6
Less: Personal contributions for social insurance	218.5	10.4	3.0	2.4	3.1
Personal income	4,540.9	132.6	82.5	55.6	85.0
Less: Personal tax and nontax payments	665.0	30.5	24.3	-3.5	15.9
Impact of the Tax Reform Act of 1986		18.8	9.6	-16.1	13.3
Other		11.7	14.7	12.6	15.6
Equals: Disposable personal income	3,875.9	102.1	58.2	59.1	69.1
Less: Personal outlays	3,652.2	59.8	63.2	64.7	40.5
Equals: Personal saving	223.7	42.3	5.0	-5.6	28.6
Addenda: Special factors in personal income ²					
In wages and salaries: Federal Government and Postal Service pay adjustments		4.4	.3	.2	
In farm proprietors' income: Agricultural subsidy payments		-1.7	-4.7	-8.2	6.0
In rental income of persons: Uninsured losses due to hurricane and earthquake		***************************************		-3.1	-3.0
In transfer payments:					
Social security retroactive payments		1,2 11.8	.1	5	.5
In personal contributions for social insurance: Social security rate and base changes and increase in premium for supplementary medical insurance		6.1			

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

2. The impact of the Loma Prieta Earthquake on several components of personal income is discussed near the beginning of the "Business"

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

ter, compared with a $6^{1/2}$ -percent increase in the third. Real DPI increased $2^{1/2}$ percent, following a $4^{1/2}$ -percent increase; the fourth-quarter deceleration reflected the acceleration in PCE prices.

Personal outlays—largely PCE—were up substantially less than DPI in the fourth quarter. As a result, per-

sonal saving jumped after two quarters of decline. The personal saving rate rose 0.7 percentage point to 5.8 percent, the highest level in the last 4 years. In the past, large changes in consumer purchases of motor vehicles have been associated with changes in the opposite direction in the saving rate. These purchases (indeed,

durable goods purchases in general) may be viewed as an alternative kind of saving—an accumulation of physical capital as opposed to financial capital. In the current expansion, 10 of the 12 largest changes in PCE for motor vehicles and parts were associated with changes in the opposite direction in the saving rate.

National Income and Product Accounts Tables

Selected NIPA Tables

New estimates in this issue: Fourth quarter 1989.

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

The full set of estimates for 1986–88 is in the July 1989 issue of the SURVEY; estimates for 1985 are in the July 1988 issue; estimates for 1984 are in the July 1987 issue; estimates for 1983 are in the July 1986 issue. Estimates for 1929–82 are in National Income and Product Accounts, 1929–82: Statistical Tables (GPO Stock No. 003–010–00174–7, price \$23.00). These publications are available from the Superintendent of Documents; see address on inside front cover.

The full set of NIPA tables is available on diskette for \$200 per year (12 updates, for the quarterly estimates prepared each month). For more information, write to the Bureau of Economic Analysis (BE-54), U.S. Department of Commerce, Washington, DC 20230.

Table 1.1.—Gross National Product

[Billions of dollars]

·				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			111	IV	I	II	ш	IV
Gross national product	4,880.6	5,233.2	4,926.9	5,017.3	5,113.1	5,201.7	5,281.0	5,337.0
Personal consumption expenditures 1	3,235.1	3,470.3	3,263.4	3,324.0	3,381.4	3,444.1	3,508.1	3,547.5
Durable goods Nondurable goods Services ¹	1,052.3	1,122.6	452.5 1,066.2 1,744.7	467.4 1,078.4 1,778.2		471.0 1,121.5 1,851.7	486.1 1,131.4 1,890.6	
Gross private domestic investment	750.3	777.1	771.1	752.8	769.6	775.0	779.1	784.8
Fixed investment	140.3 346.8 232.4 30.6 34.2	747.7 512.5 145.1 367.4 235.2 29.4 25.2 4.2	726.5 493.2 142.0 351.3 233.2 44.6 41.5 3.1	734.1 495.8 142.5 353.3 238.4 18.7 40.8 -22.2	742.0 503.1 144.7 358.5 238.8 27.7 19.1 8.6	747.6 512.5 142.4 370.1 235.1 27.4 23.6 3.8	751.7 519.6 146.2 373.4 232.1 27.4 19.8 7.5	749.6 514.8 147.1 367.7 234.8 35.2 38.3 -3.1
Net exports of goods and services 1	-73.7	-50.9	66.2	-70.8	-54.0	-50.6	-45.1	-53.8
Exports ¹		624.4 675.2	556.8 623.0	579.7 650.5	605.6 659.6	626.1 676.6	628.5 673.6	637.3 691.1
Government purchases of goods and services	968.9	1,036.7	958.6	1,011.4	1,016.0	1,033.2	1,038.9	1,058.6
Federal	298.0	404.1 302.8 101.3 632.5		406,4 300,5 105,9 604,9	399.0 298.7 100.4 617.0	406.0 301.3 104.7 627.2	402.7 307.8 94.9 636.2	408.8 303.4 105.4 649.8

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

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

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

[Billions of dollars]

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			ш	IV	I	11	Ш	IV
Gross national product	4,880.6	5,233.2	4,926.9	5,017.3	5,113.1	5,201.7	5,281.0	5,337.0
Final salesChange in business inventories			4,882.3 44.6	4,998.7 18.7				5,301.8 35.2
Goods	1,931.9	2,073.5	1,955.8	1,987.4	2,030.9	2,079.1	2,096.3	2,087.9
Final sales			1,911.2 44.6	1,968.7 18.7	2,003.2 27.7	2,051.7 27.4		2,052.7 35.2
Durable goods Final sales Change in business inventories	838.6						924.9	916.5 891.5 25.0
Nondurable goods Final sales Change in business inventories	1,062.6	1,147.0	1,071.8 1,068.6 3.2				1,144.0	
Services	2,499.2	2,700.7	2,520.3	2,570.0	2,620.8	2,667.5	2,728.1	2,786.2
Structures	449.5	459.0	450.8	459.9	461.3	455.1	456.6	462.9

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

Table 1.2.—Gross National Product in Constant Dollars

[Billions of 1982 dollars]

			l	Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
	<u> </u>		Ш	ΙV	I	11	Ш	IV
Gross national product	4,024.4	4,142.6	4,042.7	4,069.4	4,106.8	4,132.5	4,162.9	4,168
Personal consumption expenditures 1	2,598.4	2,668.5	2,608.1	2,627.7	2,641.0	2,653.7	2,690.1	2,689.
Durable goods		425.6	410.7	420.5	419.3			421
Nondurable goods Services ¹		915.7	910.3 1,287.0	912.0 1,295.2	915.0 1,306.7	909.7 1,319.0	920.8 1,332.9	917. 1,350.
	i '		l '	l '	l '		l	l '
Gross private domestic investment	715.8	724.5	733.6	709.1	721.1	719.8	724.6	732
Fixed investment	687.9	700.0	696.1	690.8	696.6	700.7		700
Nonresidential		511.1	501.0	492.7	501.0		517.9	514
Structures		120.1	123.0	121.4	121.1	118.1	120.4	120
Producers' durable equipment Residential		391.0 188.9	378.0 195.1	371.3 198.1	379.9 195.6	393.2 189.3	397.6 184.8	393 186
Change in business inventories		24.5	37.5	18.3	24.5	19.1	21.9	32
Nonfarm		21.0		31.9	16,9	19,5	16.2	31
Farm	-2,8	3.5	.3	-13.6	7.6	5	5.6	1
Net exports of goods and services 1	-74.9	-56.3	-74.9	-73.8	-55.0	-51.2	-57.1	-61
Exports 1	530,1	587.6	531.9	551.4	569.7	587.5	593.1	600
Imports 1		643.9	606.9	625.2	624.6	638.7	650.2	662
Government purchases of goods and	}			}		1)	
services	785.1	805.8	775.9	806.4	799.7	810.3	805.3	807
Federal	328.9	337.2	319.8	343.9	335.5	343.6	336.1	333
National defense			258.8		254.4	255.8		254
Nondefense					81.1	87.8	76.0	
State and local	456.2	468.6	456.1	462.5	464.2	466.7	469.2	474

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

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

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

[Billions of 1982 dollars]

	LDIMO	5 01 150		<u> </u>				
				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	ΙV	I	II	Ш	IV
Gross national product	4,024.4	4,142.6	4,042.7	4,069.4	4,106.8	4,132.5	4,162.9	4,168.1
Final sales	3,996.5 27.9	4,118.1 24.5		4,051.0 18.3	4,082.3 24.5			4,135.5 32.6
Goods	1,771.6	1,837.6	1,782.3	1,789.4	1,823.2	1,843.9	1,851.3	1,832.2
Final sales Change in business inventories	1,743.7 27.9	1,813.1 24.5	1,744.8 37.5	1,771.0 18.3	1,798.7 24.5	1,824.8 19.1	1,829.4 21.9	1,799.5 32.6
Durable goodsFinal sales	860.9	915.3 903.2 12.0	863.4	900.5 872.4 28.1	902.3 884.2 18.1		931.3 927.2 4.2	914.6 893.6 20.9
Nondurable goods Final sales Change in business inventories	882.8	922.4 909.9 12.5	881.5 881.4 .1	888.9 898.6 -9.7	920,9 914,5 6,4	930.9 916.8 14.1	920.0 902.3 17.7	917.6 905.9 11.7
Services	1,873.5	1,934.0	1,880.8	1,896.7	1,905.1	1,919.9	1,945.0	1,965.9
Structures	379.3	371.0	379.6	383.3	378.5	368.8	366.6	370.0

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

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

			Seasonally adjusted at annual rates						
	1988	1989	19	88		19	89		
			Ш	IV	I	П	ш	IV	
Gross national product	4,880.6	5,233.2	4,926.9	5,017.3	5,113.1	5,201.7	5,281.0	5,337.0	
Less: Exports of goods and services Plus: Imports of goods and services		624.4 675.2	556.8 623.0	579.7 650.5	605.6 659.6	626.1 676.6	628.5 673.6	637.3 691.1	
Equals: Gross domestic purchases 2	4,954.3	5,284.1	4,993.1	5,088.1	5,167.1	5,252.3	5,326.1	5,390.9	
Less: Change in business inventories	30.6	29.4	44.6	18.7	27.7	27.4	27.4	35.2	
Equals: Final sales to domestic purchasers 3	4,923.7	5,254.7	4,948.5	5,069.5	5,139.4	5,224.9	5,298.7	5,355.7	

- See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
 Purchases in the United States of goods and services wherever produced.
 Final sales in the United States of goods and services wherever produced.

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

Table 1.7.—Gross National Product by Sector

[Billions of dollars]

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			ш	IV	I	II	Ш	IV
Gross national product	4,880.6	5,233.2	4,926.9	5,017.3	5,113.1	5,201.7	5,281.0	5,337.0
Gross domestic product	4,847.3	5,199.6	4,894.7	4,982.9	5,078.5	5,170.8	5,247.4	5,301.8
Business	4,087.1 3,685.6 401.5 76.1 -9.6 188.0 9.4 178.7 505.8 159.3	4,386.1 3,954.3 431.8 85.6 -23.4 210.6 9.6 201.0 540.7	3,714.7 404.9 83.7 -8.6	4,271.1 4,225.5 3,813.5 412.0 62.3 -16.6 195.5 9.5 186.0 516.3 160.8 355.5		4,356.0 3,932.5 423.5 89.0 -18.3	3,992.9 438.5 83.2 -25.5 214.4 9.7 204.7 544.0 170.1	4,530.5 4,477.0 4,028.9 448.2 79.1 -25.5 219.7 9.7 210.0 551.6 171.1 380.5
Rest of the world	33.3	33.6	32.3	34.5	34.5	31.0	33.5	35.2
Addendum:			:					
Gross domestic business product less housing	3,744.3							

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

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

[Billions of 1982 dollars]

			Seasonally adjusted at annual rates						
	1988	1989	19	88		19	89		
			m	IV	I	II	Ш	IV	
Gross national product	4,024.4	4,142.6	4,042.7	4,069.4	4,106.8	4,132.5	4,162.9	4,168.1	
Less: Exports of goods and services Plus: Imports of goods and services			531.9 606.9	551.4 625.2	569.7 624.6	587.5 638.7	593.1 650.2	600.2 662.0	
Equals: Gross domestic purchases 2	4,099.3	4,198.9	4,117.6	4,143.2	4,161.8	4,183.7	4,220.0	4,229.9	
Less: Change in business inventories	27.9	24.5	37.5	18.3	24.5	19.1	21.9	32.6	
Equals: Final sales to domestic purchasers 3	4,071.4	4,174.4	4,080.1	4,124.9	4,137.3	4,164.7	4,198.2	4,197.3	

- See the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
 Purchases in the United States of goods and services wherever produced.
 Final sales in the United States of goods and services wherever produced.

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

Table 1.8.—Gross National Product by Sector in Constant Dollars

[Billions of 1982 dollars]

				Seasonal	ly adjust	ed at anr	ual rates	
	1988	1989	19	88		19	89	
			ш	IV	I	II	Ш	IV
Gross national product	4,024.4	4,142.6	4,042.7	4,069.4	4,106.8	4,132.5	4,162.9	4,168.1
Gross domestic product	3,996.3	4,115.4	4,015.6	4,040.8	4,078.5	4,107.3	4,135.9	4,140.1
Business Nonfarm Nonfarm less housing Housing Farm Statistical discrepancy Households and institutions Private households Nonprofit institutions. Government Federal State and local	3,418.2 3,127.9 290.3 72.7 -8.0 137.3 8.8 128.4 376.1 125.2	3,587.0 3,528.1 3,231.8 296.3 77.7 -18.8 146.3 9.0 137.4 382.1 126.9 255.2	3,435.5 3,144.3 291.2 71.4 -7.2 139.0	3,474.2		76.9	3,605.1 3,549.7 3,252.6 297.1 76.0 -20.5 148.0 9.0 139.0 382.7 127.0 255.7	3,606.4 3,549.7 3,250.9 298.8 77.1 -20.3 149.1 9.0 140.1 384.5 127.6 256.9
Rest of the world	28.1	27.2	27.1	28.5	28.3	25,2	27.0	28.0
Addendum: Gross domestic business product less housing	3,183.7		••••••			***************************************		

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

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

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
		-	ш	IV	I	п	Ш	IV
Gross national product	4,880.6	5,233.2	4,926.9	5,017.3	5,113.1	5,201.7	5,281.0	5,337.0
Less: Capital consumption allowances with capital consumption adjustment Capital consumption	513.6	552.2	515.2	524.1	533.0	541.0	565.2	569.6
allowances without capital consumption adjustment Less: Capital consumption	526.4	539.1	528.9	531.3	532.7	533.6	544.8	545.4
adjustment	12.8	-13.1	13.6	7.1	3	-7.3	-20.5	-24.2
Equals: Net national product	4,367.1	4,681.0	4,411.7	4,493.2	4,580.1	4,660.8	4,715.7	4,767.4
Less: Indirect business tax and nontax liability	393.5 29.0 -9.6	416.7 31.8 -23.4	397.0 29.4 -8.6	402.7 30.1 -16.6	407.7 30.8 -24.1	413.4 31.5 -18.3	421.5 32.2 -25.5	424,2 32,9
Plus: Subsidies less current surplus of government enterprises	18.5	9.1	11.8	20,4	19.5	15.5	3	1.8
Equals: National income	3,972.6	4,265.0	4,005.7	4,097.4	4,185.2	4,249.6	4,287.3	
Less: Corporate profits with inventory valuation and capital consumption adjustments	328.6 392.9	298.2 461.1	330.9 396.4	340.2 415.7	316.3 436.1	307.8 458.4	295.2 471.5	478.4
Contributions for social insurance	444.6 0	479.3 0	448.2 0	455.2 0	469.7 0	476.4 0	482.0 0	489.2 0
Plus: Government transfer payments to persons	555.7 571.1 102.2 29.0	600.3 657.8 112.4 31.8	558.0 576.3 103.6 29.4	563.7 598.6 106.4 30.1	585.6 629.0 109.4 30.8	595.3		616.1 679.5 115.7 32.9
Equals: Personal income	4,064.5	4,428.7	4,097.6	4,185.2	4,317.8	4,400.3	4,455.9	4,540.9

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

[Billions of 1982 dollars]

Gross national product	4,024.4	4,142.6	4,042.7	4,069.4	4,106.8	4,132.5	4,162.9	4,168.1
Less: Capital consumption allowances with capital consumption adjustment	480.2	508.4	482.7	488.1	493.5	498.9	518.6	522.5
Equals: Net national product	3,544.2	3,634.2	3,559.9	3,581.2	3,613.3	3,633.6	3,644.3	3,645.6
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	327.8	333.5	329.2	331.2	331.3	331.8	335.5	335.2
Statistical discrepancy	-8.0	-18.8	-7.2	-13.7	-19.7	-14.8	-20.5	
Equals: National income	3,224.5	3,319.6	3,237.9	3,263.7	3,301.6	3,316.6	3,329.3	ļ

Table 1.11.—Command-Basis Gross National Product in Constant Dollars
[Billions of 1982 dollars]

Gross national product	4,024.4	4,142.6	4,042.7	4,069.4	4,106.8	4,132.5	4,162.9	4,168.1
Less: Net exports of goods and							l '	l
services	-74.9	-56.3	-74.9	-73.8	-55.0	-51.2	-57.1	-61.8
Exports	530.1	587.6	531.9	551.4	569.7	587.5	593.1	600.2
Imports	605.0	643.9	606.9	625.2	624.6	638.7	650.2	662.0
Equals: Gross domestic purchases	4,099.3	4,198.9	4,117.6	4,143,2	4,161.8	4,183.7	4,220.0	4,229.9
Plus: Command-basis net exports of	l					ĺ		
goods and services	-71.7	-48.5	-64.5	-68.0	-51.1	-47.7	-43.6	-51.6
Command-basis exports 1	533,3	595.4	542.4	557.2	573.5	590.9	606.6	610.4
Imports	605.0	643.9	606.9	625.2	624.6	638.7	650.2	662.0
Equals: Command-basis gross national product	4,027.5	4.150.4	4.053.1	4,075,2	4.110.7	4,136.0	4.176.5	4.178.4
•	,		,	'	,	,,		.,
Addendum:	ł	l		ŀ	l	ı	1	l
Terms of trade 2	100.6	101.3	101.9	101.1	100.7	100.7	102.3	101.7

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

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

Table 1.14.—National Income by Type of Income

[Billions of dollars]

	Bill	lions of c	ionarsj					
				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			ш	IV	1	II	Ш	IV
National income	3,972.6	4,265.0	4,005.7	4,097.4	4,185.2	4,249.6	4,287.3	
Compensation of employees	2,907.6	3,145.4	2,935.1	2,997.2	3,061.7	3,118.2	3,171.9	3,230.1
Wages and salaries	i	2,632.0	2,452.2	2,505.1	2,560.7	2,608.8	2,654.7	2,704.0
enterprises Other	446.5 1,982.5	476.9 2,155.1	449.6 2,002.6	456.3 2,048.9	466.9 2,093.8	473.5 2,135.3	480.2 2,174.5	487.1 2,216.9
Supplements to wages and salaries Employer contributions for social	478.6	513.4	482.9	492.0	501.0	509.4	517,2	526.1
Other labor income	249.7 228.9	265.1 248.3	251.8 231.1	255.6 236.5	259.7 241.3	263.4 246.0	266.6 250.7	270.7 255.3
Proprietors' income with inventory valuation and capital consumption adjustments	327.8	352.2	327.0	328.3	359.3	355.5	343.3	350.9
Farm	39.8	46.3	37.7	32.0	59.0	51.3	36.1	38.8
Proprietors' income with inventory valuation adjustment Capital consumption adjustment	47.3 -7.5	53.5 -7.2	45.0 -7.4	39.2 -7.2	66.2 -7.2	58.4 -7.1	43.5 -7.5	45.9 -7.0
Nonfarm	288.0	305.9	289.3	296.3	300.3	304.2	307.2	312.0
Proprietors' income Inventory valuation adjustment	259.2 -1.5	280.4	260.4 -1.6	267.8 -1.3	274.4 -2.5	278.7 -1.9	281,0 0	287.5 7
Capital consumption adjustment	30.3	26.8	30.5	29.8	28.5	27.4	26.2	25.2
Rental income of persons with capital consumption adjustment	15.7	8.0	16.3	16.1	11.8	9.8	5.4	5.1
Rental income of persons Capital consumption adjustment	65.4 -49.8	62.9 -54.9	65.8 49.6	66.1 -49.9	62,9 51,1	62.5 -52.7	63.8 -58.4	62.3 -57.2
Corporate profits with inventory valuation and capital consumption adjustments	328.6	298.2	330.9	340.2	316.3	307.8	295.2	
Corporate profits with inventory valuation adjustment	281.8	268.7	284.1	298.7	279.7	275.5	268.7	
Profits before tax	306.8	287.3	314.4	318.8	318.0	296.0	275.0	
Profits tax liability Profits after tax		129.0 158.2	141.2 173.2	143.2 175.6	144.4 173.6	134.9 161.1	122.6 152.4	
Dividends		122.1	112.2	115.2	118.5	120.9	123.3	125.6
Undistributed profits	58.5	36.2	61.1	60.4	55.1	40.2	29.1	
Inventory valuation adjustment	-25.0	-18.5	-30.4	-20.1	-38.3	-20.5	-6,3	-8.9
Capital consumption adjustment	46.8	29.4	46.9	41.5	36.6	32.3	26.5	22.4
Net interest	392.9	461.1	396.4	415.7	436.1	458.4	471.5	478.4
Addenda:	}			1				
Corporate profits after tax with inventory valuation and capital consumption adjustments	190.7	169.2	189.7	196.9	171.9	172.9	172.6	
Net cash flow with inventory valuation and capital	402.0	391.9	400.7	411.5	388.6	391.7	399.3	
consumption adjustments Undistributed profits with inventory valuation and	402.0	391.9	400.7	411.5	200,0	371.7	37.3	
capital consumption adjustments	80.3	47.1	77.6	81.7	53.4	52.0	49.3	
with capital consumption adjustment	321.7	344.8	323.1	329.7	335.2	339.7	349.9	354.5
Less: Inventory valuation adjustment Equals: Net cash flow	-25.0 427.0		-30,4 431,1	-20.1 431.6	-38.3 426.9	-20.5 412.2	-6.3 405.6	-8.9
Aquais, 1101 violi 110W		710.4	-51,1	751.0	-20.9	1	-05.0	[

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

				Seasona	lly adjust	ted at ani	ual rates	
		1000			1			
	1988	1989		88		15)89	
		l	Ш	IV	I	П	ш	IV
				Billions	of dollar	s		
Corre demontly and dead of								
Gross domestic product of corporate business	2,955.0	3.140.5	2,982.8	3,048.6	3,078.6	3.126.1	3,168.5	
Capital consumption allowances with	*****			,	,	-,	,	
capital consumption adjustment	321.7	344.8	323.1	329.7	335.2	339.7	349.9	354.5
Net domestic product	2,633.3	2,795.7	2,659.6	2,718.9	2,743.4	2,786.4	2,818.6	
Indirect business tax and nontax	l				1			
liability plus business transfer payments less subsidies	278.6	295.7	281.9	284.8	288.5	293.1	300.2	300.8
Domestic income	2,354.7	2,500.0	2,377.8	2,434.0	2,454.9	2,493.3	2,518.4	***********
Compensation of employees	1,951.2	2,105.2	1,969.5	2,012.0	2,050.6		2,122.3	2,160.2
Wages and salaries Supplements to wages and	1,640.5	1,776.6	1,656.0	1,691.9	1,730.2	1,761.6	1,791.2	1,823.3
salaries	310.7	328.7	313.5	320.0	320.4	326.1	331.2	336.9
Corporate profits with inventory	i							
valuation and capital consumption adjustments	285.0	252.4	285.9	293,7	269.7	264.2	249.5	
Profits before tax	263.2	241.4	269.3	272.3	271.5	252.4	229.3	
Profits tax liability	137.9	129.0	141.2	143.2	144.4	134.9	122.6	
Profits after tax	125.3 84.2	112.4 99.1	128.1 95.9	129.1	127.1 102.0	117.4 96.8	106.6 99.0	98.7
Dividends Undistributed profits	41.1	13.3	32.3	87.2 41.9	25.0	20.6	7.6	90.7
Inventory valuation adjustment	-25.0	-18.5	-30.4	-20.1	-38.3	-20.5	-6.3	-8.9
Capital consumption adjustment	46.8	29.4	46.9	41.5	36.6	32.3	26.5	22.4
Net interest	118.6	142,4	122.4	128.4	134.5	141.4	146.5	147.3
Gross domestic product of financial corporate business	223.7	237.0	227.9	232.2	235.8	238.9	232.3	
Gross domestic product of						1		
nonfinancial corporate	2 721 2	2 002 5	27540	20164	2042.5	2 007 2	20262	
business	2,731.3	2,903.5	2,754.9	2,816.4	2,842.7	2,887.2	2,936.2	
Capital consumption allowances with capital consumption adjustment	297.1	317.1	298.1	303.6	308.4	312.2	321.9	326.0
Net domestic product	2,434.2	2,586.4	2,456.8	2,512.8	2,534.4	2,575.0	2,614.3	
Indirect business tax and nontax liability plus business transfer		l			ł	į.		
payments less subsidies	260.0	276.0	263.2	265.9	269.3	273.7	280.3	280.8
Domestic income	2,174.2	2,310.4	2,193.6	2,246.9	2,265.0	2,301.3	2,334.0	ļ
Compensation of employees	1,799.1	1,938.8	1,816.8	1,854.6	1,889.3	1,923.1	1,954.3	1,988.5
Wages and salaries	1,511.2	1,634.6	1,526.2	1,558.1	1,592.5	1,621.2	1,647.8	1,676.9
Supplements to wages and salaries	287.9	304.2	290.6	296.5	296.7	301.9	306.5	311.6
Corporate profits with inventory	20.13	202	270.0	2,0,5	250	301	300.5	511.0
valuation and capital	240.2	200.0						
consumption adjustments Profits before tax	249.3 233.4	222.9 217.1	248.3 237.7	258.2 242.2	235.3 242.2	230.5 223.8	226.7 211.5	
Profits tax liability	105.4	97.4	107.4	109.4	110.6	100.6	94.7	
Profits after tax	128.0	119.7	130.3	132.8	131.6	123,1	116.8	
Dividends	83.0	96.0	92.6	86.4	98.3	93.7	96.0	95.9
Undistributed profits	45.0	23.7	37.7	46.5	33.3	29.4	20.8	ļ
Inventory valuation adjustment Capital consumption adjustment	-25.0 40.9	-18.5 24.3	-30.4 41.0	-20.1 36.1	-38.3 31.5	-20.5 27.3	-6.3 21,5	-8.9 16.8
Net interest	125.8	148.7	128.5	134.0	140.4	147.6	152.9	153.7
			Bil	lions of	1982 dol	lars		
Gross domestic product of	l l			ŀ		1		
nonfinancial corporate								
business	2,419.5	2,478.2	2,434.1	2,453.2	2,459.1	2,471.3	2,497.2	
Capital consumption allowances with						l		
capital consumption adjustment	279.3	292.8	280.6	283.2	285.9	288.8	296.7	299.9
Net domestic product	2,140.2	2,185.4	2,153.6	2,170.0	2,173.2	2,182.5	2,200.4	
Indirect business tax and nontax liability plus business transfer								
payments less subsidies	209.2	212.9	210.1	211.9	211.3	211.8	214.4	213.9
Domestic income	1,931.0	1,972.6	1,943.5	1,958.1	1,961.9	1,970.8	1,986.0	•••••
				1				i

Table 1.17.—Auto Output

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	II	Ш	IV
Auto output	129.9	132.2	136.6	132.0	134.5	131.7	135.8	126.9
Final sales	128.8	130.5	125.3	130.1	123.9	135.4	141.8	121.0
Personal consumption expenditures	144.2	143.5	140.9	146.6	142.7	144.5	150.9	135.9
New autos	101.2	100.3	98.8	102.4	99.8	101.1	110.8	89.
Net purchases of used autos		43.2	42.1	44.2	42.9	43.5	40.2	46.3
Producers' durable equipment		20.7	20.2	21,2	19.0	23.4	23.6	16.3
New autos	51.3	50.7	52.5	52.3	47.7	54.7	53.7	46.0
Net purchases of used autos		-30.0	-32.3	-31.1	-28.7	-31.3	-30.1	-29.9
Net exports of goods and services	-38.4	-35.3	-37.1	-39.3	-39.5	-34.4	-34.3	-33.1
Exports	8.7	9.4	9.5	9.2	9.7	8.7	9.1	10.2
Imports	47.1	44.7	46.7	48.5	49.2	43.1	43.4	43.4
Government purchases of goods and services	1.6	1.6	1.4	1.5	1.7	1.9	1.5	1.:
Change in business inventories of								
new and used autos		1.7	11.3	1,9	10.5	-3.7	-5.9	5.5
New		2.0	7.7	1.5	11.1	-3.9	-7.9	8.5
Used	.6	2	3.7	.4	5	.2	2.0	-2.6
Addenda:								
Domestic output of new autos 1	101.6	104.1	105.9	107.6	106.9	107.1	102.9	99.4
Sales of imported new autos 2	60.8	58.8	60.2	58.5	57.2	60.4	62.6	55.1

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 1.18.—Auto Output in Constant Dollars

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
	108.9 108.6 117.0 84.4 32.7 18.3 42.8 -24.5 -28.1 7.1 35.2		н	IV	I	II	109.3 112.0 111.5 117.9 115.4 121.7 33.0 30.5 20.0 44.6 44.2 -25.0 -24.2 6.9 7.1 32.0 32.2 1.6 1.3	IV
Auto output	108.9	108.9	114.4	110.1	110.9	109.3	112.0	103.5
Final sales		108.0	105.0	109.5	103.2		117.9	99.5
Personal consumption expenditures	117.0	114.8	113.9	117.9	113.8	115.4	121.7	108.3
New autos	84.4	82.0	82.2	84.6	81.6	82.4	91.2	72.9
Net purchases of used autos	32.7	32.8	31.7	33.4	32.2	33.0	30.5	35.4
Producers' durable equipment		17.4	17.3	18.1	16.2	19.5	20.0	13.8
New autos	42.8	41.4	43.7	43.2	39.0	44.6	44.2	37.9
Net purchases of used autos		-24.1	-26.4	-25.1	-22.8	-25.0	-24.2	-24.2
Net exports of goods and services		-25.6	-27.4	-27.9	-28.3			-23.9
Exports		7.4	7.8	7.5	7.8			7.9
Imports		33.0	35.2	35.4	36.1	32.0	32.2	31.8
Government purchases of goods and					00,2			
services	1.4	1.4	1.2	1.4	1.4	1.6	1.3	1.3
	• • •				-,.			
Change in business inventories of								
new and used autos		.9	9.4	.6	7.7	-2.1		4.0
New	1	1.2	6.4	.3	8.2	-2.2	-7.4	6.2
Used	.5	3	2.9	.3	5	.1	1.5	-2.2
Addenda:								
Domestic output of new autos 1	84.5	84.5	88.1	88.6	86.9	87.1	83.6	80.2
Sales of imported new autos 2	50.7	48.1	50.1	48.3	46.7	49.2	51.5	44.9
sales of imported new autos	30.7	70.1	30.1	40.3	40.7	79.2	31.3	74.7

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 1.19.—Truck Output

	1988			Seasonal	ly adjuste	ed at ann	ual rates		
		1989	19	88		19	1989 II III 68.1 62.9 65.6 69.2 29.8 34.0 36.5 36.2 -6.3 -6.3 -6.3 9.4 9.8 5.7 5.4		
			Ш	IV	I	п	Ш	ΙV	
Truck output 1	66.3	66.0	63.8	71.2	70.3	68.1	62.9	62.5	
Final sales	65.9	65.2	65.9	67.0	65.5			60.6	
Personal consumption expenditures	29.2	30.8	29.1	29.8	30.3			28.9	
Producers' durable equipment	36.7	35.4	36.6	38.9	35.7			33.3	
Net exports of goods and services	-5.6	6.5	-5.3	6.9	-6.3			−7.1	
Exports	3.8	3.5	3.9	3.7	3.9			3.5	
Imports	9.5	10.0	9.2	10.5	10.2	9.4	9.8	10.6	
Government purchases of goods and									
services	5.7	5.6	5.5	5.2	5.8	5.7	5.4	5.4	
Change in business inventories	.4	.7	-2.1	4.2	4.8	2.6	-6.4	1.9	

^{1.} Includes new trucks only.

Table 2.1.—Personal Income and Its Disposition

[Billions of dollars]

			Seasonally adjusted at annual rates								
					ly adjust						
	1988	1989		88			89				
			Ш	IV	I	II	ш	tv			
Personal income	4,064.5	4,428.7	4,097.6	4,185.2	4,317.8	4,400.3	4,455.9	4,540.9			
Wage and salary disbursements	2,429.0	2,632.0	2,452.2	2,505.1	2,560.7	2,608.8	2,654.7	2,704.0			
Commodity-producing industries	696.3	738.3	701.6	714.7	726.6	733.7	742:6	750.4			
Manufacturing	524.0	553.0	527.2	538.1	546.3	549.9	555.7	559.9			
Distributive industries	571.9	615.1	578.0	587.5	598.8	610.8	619.4	631.2			
Service industries	714.4	801.7	723.0	746.7	768.4	790.8	812.4	835.3			
Government and government				ļ							
enterprises	446.5	476.9	449.6	456.3	466.9	473.5	480.2	487.1			
Other labor income	228.9	248.3	231.1	236.5	241.3	246.0	250.7	255.3			
Proprietors' income with			l i								
inventory valuation and capital consumption adjustments	327.8	352.2	327.0	328.3	359.3	355.5	343.3	350.9			
T	39.8	46.3	22.7	32.0	500	51.0	201	20.0			
Farm	288.0	305.9	37.7		59.0	51.3	36.1	38.8			
Nonfarm	200.0	305.9	289.3	296.3	300.3	304.2	307.2	312.0			
Rental income of persons with	İ										
capital consumption adjustment	15.7	8.0	16.3	16.1	11.8	9.8	5.4	5.1			
Personal dividend income	102.2	112.4	103.6	106.4	109.4	111.4	113.2	115.7			
Personal interest income	571.1	657.8	576.3	598.6	629.0	655.1	667.8	679.5			
Transfer payments	584.7	632.1	587.4	593.8	616.4	626.8	636.4	649.0			
Old-age, survivors, disability, and	l			l	l						
health insurance benefits	300.5	325.2	301.4	304.0	316.9	322,9	327.9	333.0			
Government unemployment	l			1			1				
insurance benefits	13.0	14.3	12.9	12.5	13.5	14.1	14.5	15.0			
Veterans benefits	17.0	17.3	17.0	17.0	17.6	17.5	17.3	16.9			
Government employees retirement	l	l	· '	1	ĺ						
benefits	82.7	88.5	82.8	83.7	86.9	88.1	88.9	90.1			
Other transfer payments	171.5	186.9	173.2	176.5	181.5	184.2	187.7	194.1			
Aid to families with dependent	١			ـــ							
children Other	17.2 154.3	17.9 169.0	17.3 155.9	17.5 159.0	17.6 163.9	17.7 166.4	18.0 169.7	18.3 175.8			
	154.5	109.0	155.9	159.0	103.9	100.4	109.7	1/5.6			
Less: Personal contributions for social insurance	194,9	214.2	196.4	199.6	210.0	213.0	215.4	218.5			
Less: Personal tax and nontax				}			[
payments	586.6	648.7	585.9	597.8	628.3	652.6	649.1	665.0			
Equals: Disposable personal income	3,477.8	3,780.0	3,511.7	3,587.4	3,689.5	3,747.7	3,806.8	3,875.9			
Less: Personal outlays	3,333.1	3,573.7	3,362.1	3,424.0	3,483.8	3,547.0	3,611.7	3,652.2			
Personal consumption expenditures	3,235.1	3,470.3	3,263.4	3,324.0	3,381.4	3,444.1	3,508.1	3,547.5			
Interest paid by consumers to business	96.1	101.7	96.7	98.1	100.1	101.5	102.0	103.1			
Personal transfer payments to	70.1	101.7	70.7	70.1	100.1	101.5	102.0	105.1			
foreigners (net)	1.9	1.7	1.9	1.9	2.2	1.4	1.6	1.6			
Equals: Personal saving	144.7	206.3	149.6	163.4	205.7	200.7	195.1	223.7			
Addenda:											
Distorable personal income:	l	l	1	1	1	}	1	}			
Disposable personal income: Total, billions of 1982 dollars	2,793.2	2,906.7	2,806.4	2,835.9	2,881.7	2 997 4	2,919.2	2,938.3			
Per capita:	2,193.2	2,900.7	2,000.4	4,033.9	2,001./	2,001.0	2,717.2	2,930.3			
Current dollars	14,116	15,191	14,235	14,504	14,884	15,084	15,280	15,514			
1982 dollars		11,681	11,377	11,466	11,625	11,622	11,717	11,761			
Population (mid-period, millions)		248.8	246.7	247.3	247.9	248.5	249.1	249.8			
• • • • • • • • • • • • • • • • • • • •	~~0.4	~~0.0	240.7	24,.3	~~,,,	240.5					
Personal saving as percentage of disposable personal income	4.2	5.5	4.3	4.6	5.6	5.4	5.1	5.8			
				1							

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

Table 1.20.—Truck Output in Constant Dollars

[Billions of 1982 dollars]

· .				Seasonal	ly adjuste	ljusted at annual rates				
	1988	1989	19	88		198	39			
			Ш	IV	I	H	III	IV		
Truck output 1	55.7	53.4	53.8	58.3	57.0	55.4	51.3	49.8		
Final sales	55.3	52.9	55.3	54.9	53.3	53.5	56.3	48.4		
Personal consumption expenditures	24.6	25.1	24.5	24.8	24.8	24.4	27.8	23.3		
Producers' durable equipment	30.8	28.6	30.7	31.6	29.0	29.6	29.3	26.5		
Net exports of goods and services	-4.7	-5.3	-4.5	-5.7	5.1	-5.1	-5.2	-5.7		
Exports	3.2	2.8	3.3	3.0	3.2	2.5	2.8	2.8		
Imports	7.9	8.1	7.7	8.7	8.3	7.6	8.0	8.5		
Government purchases of goods and										
services	4.7	4.5	4.6	4.2	4.7	4.6	4.4	4.3		
Change in business inventories	.3	.5	-1.6	3.3	3.7	1.9	-5.0	1.4		

^{1.} Includes new trucks only.

Table 2.2.—Personal Consumption Expenditures by Major Type of Product
[Billions of dollars]

			Seasonally adjusted at annual rates							
	1988	1989	19	88	1989					
			Ш	IV	I	II	ш	IV		
Personal consumption expenditures 1	3,235.1	3,470.3	3,263.4	3,324.0	3,381.4	3,444.1	3,508.1	3,547.5		
Durable goods	455.2	473.6	452.5	467.4	466.4	471.0	486.1	471.0		
Motor vehicles and parts Furniture and household equipment Other	211.6 162.0 81.6	214.0 173.7 85.9	208,4 162,7 81,4	215,3 166,1 86,0	211.7 172.1 82.6	212.9 173.5 84.6	225.6 173.9 86.7	205.9 175.2 89.9		
Nondurable goods	1,052.3	1,122.6	1,066.2	1,078.4	1,098.3	1,121.5	1,131.4	1,139.1		
Food	76.8 229.0	595.0 199.9 83.5 244.2 20.2 223.9	567.8 188.9 78.3 231.2 19.6 211.6	574.1 193.9 77.6 232.8 19.7 213.1	587.3 195.0 77.9 238.1 18.7 219.4	592.2 198.9 89.5 241.0 19.6 221.4	598.1 202.2 85.2 245.9 19.9 226.0	602.2 203.7 81.4 251.8 22.8 229.0		
Services 1	1,727.6	1,874.1	1,744.7	1,778.2	1,816.7	1,851.7	1,890.6	1,937.5		
Housing	197.6 93.7 104.0 117.9		505.0 200.2 94.5 105.7 119.8 404.7 514.9	513.0 202.4 95.8 106.6 121.5 417.4 523.9	520.2 201.1 93.6 107.5 124.4 432.3 538.7	527.7 202.3 94.6 107.7 125.6 445.1 551.0		549.5 210.9 99.4 111.5 130.7 475.3 571.1		

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

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

			Seasonally adjusted at annual rates						
	1988	1989	1988		1989				
			Ш	īV	I	И	Ш	IV	
Personal consumption expenditures 1	2,598.4	2,668.5	2,608.1	2,627.7	2,641.0	2,653.7	2,690.1	2,689.3	
Durable goods	413.6	425.6	410.7	420.5	419.3	424.9	436.4	421.6	
Motor vehicles and parts Furniture and household equipment Other	179.2 164.8 69.6	178.1 177.2 70.3	176.2 165.3 69.2	180.6 168.0 71.8	176.1 174.8 68.4	177.0 178.5 69.4	188.4 177.4 70.6	170.9 177.9 72.8	
Nondurable goods	904.5	915.7	910.3	912.0	915.0	909.7	920.8	917.5	
Food	97.1 186.1 25.4	462.9 168.8 96.6 187.5 25.1 162.4	461.9 164.1 97.4 187.0 25.3 161.7	462.1 164.6 98.2 187.2 26.6 160.5	466.0 165.0 97.6 186.5 24.0 162.4	461.4 165.8 96.5 186.0 24.4 161.5	463.2 173.3 96.6 187.6 24.7 162.9	460.7 171.0 95.8 190.0 27.4 162.6	
Services 1	1,280.2	1,327.2	1,287.0	1,295.2	1,306.7	1,319.0	1,332.9	1,350.3	
Housing	164.1 82.8 81.3 94.5 278.2	372.7 165.4 81.9 83.6 98.3 296.3 394.5	366.8 166.3 84.0 82.4 95.2 279.9 378.8	165.7 83.3 82.4 96.2	369.6 163.4 80.7 82.7 96.3 289.0 388.3	371.7 164.4 81.4 82.9 97.1 293.1 392.7	373.6 164.5 81.0 83.5 98.8 298.1 398.0	375.8 169.4 84.3 85.1 101.1 305.0 398.9	

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

Table 3.2.—Federal Government Receipts and Expenditures

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	п	Ш	IV
Receipts	972.4	1,046.8	977.3	994.6	1,036.2	1,053.2	1,043.2	
Personal tax and nontax receipts	413.0	460.6	411.4	420.3	446.8	465.1	459.1	471.6
Estate and gift taxes	403.5 7.9	449.8 9.0	401.7 8.1	410.7 8.0	437.0 8.1	453.3 10.1	448.7 8.6	460.4 9.4
Nontaxes	1.6	1.8	1.5	1.6	1.7	1.8	1.8	1.8
Corporate profits tax accruals	111.4	104.9	114.0	115.8	117.0	109.7	99.9	
Federal Reserve banks	17.4	19.7	17.5	18.6	19.5	20.3	19.6	
Other	94.1	85.2	96.5	97.3	97.5	89.4		
Indirect business tax and nontax								
accruals	56.7	58.6	57.4	57.8	58.0	58.2	59.4	58.6
Excise taxes	34.2	35.1	34.6	35.1	35.1	35.1	35.2	35.2
Customs duties Nontaxes	16.4 6.1	17.4 6.1	16.4 6.3	16.9 5.8	17.1 5.9	17.2 5.9	17.7 6.6	17.5 5.9
·						`		1
Contributions for social insurance	391.3	422.6	394.5	400.6	414.3	420.2	424.8	431.1
Expenditures	1,118.3	1,196.7	1,099.8	1,162.1	1,183.7	1,198.6	1,187.9	1,216.7
Purchases of goods and services	381.3	404.1	367.5	406.4	399.0	406.0	402.7	408.8
National defense	298.0	302.8	296.1	300.5	298.7	301.3	307.8	303.4
Nondefense	83.3	101.3	71.4	105.9	100.4	104.7	94.9	105.4
Transfer payments	438.2	472.6	438.0	447.6	460,4	466.9	475.6	487.7
To persons	425.4	458.9	426.3	429.4	448.9	455.7	461.6	469.4
To foreigners	12.9	13.7	11.7	18.2	11.5	11.1	14.1	18.2
Grants-in-aid to State and local								l
governments	111.4	119.6	111.0	112,2	118.7	118.4	118.3	123.0
Net interest paid	151.4	171.1	153.9	157.0	167.0	172.0	171.2	174.4
Interest paid	173.8	192.1	174.4	178.3	187.4	191,9	193.1	196.1
To persons and business	144.8	158.7	144.2	147.2	154.9	157.6	159.1	163.3
To foreigners	29.1	33.4	30.2	31.1	32.5	34.4	33.9	32.8
Less: Interest received by								
government	22.4	21.0	20.5	21,2	20.4	20.0	21.9	21.8
Subsidies less current surplus of								
government enterprises	36.0	29.2	29.4	38,9	38.5	35.3	20.1	22.8
Subsidies Less: Current surplus of government	28.9	27.0	17.6	35.9	34.2	28.5	18.3	27.1
enterprises	-7.1	-2.2	11.8	3.0	-4.3	-6.8	-1.8	4.2
Less: Wage accruals less							[
disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (-), national								
income and product accounts	-145.8	-149.9	-122.5	-167.6	-147.5	-145.4	-144.7	
Social insurance funds	54.8	64.2	58.2	63.6	62.7	63.7	64.3	66.1
Other	-200.6	-214.1	-180.7	-231.2	-210.1	-209.1	-209.0	

Table 3.7B.—Government Purchases of Goods and Services by Type
[Billions of dollars]

			Seasonally adjusted at annual rates						
	1988	1989	19	88		19	89		
			ш	IV	I	п	ш	IV	
Government purchases of									
goods and services	968.9	1,036.7	958.6	1,011.4	1,016.0	1,033.2	1,038.9	1,058.6	
Federal	381.3	404.1	367.5	406.4	399.0	406.0	402.7	408.8	
National defense	298.0	302.8	296.1	300.5	298.7	301.3	307.8	303.4	
Durable goods	83.9	81.9	83.7	85.1	82.7	82.8	84.5	77.5	
Nondurable goods	10.9	11.1	10.5	11.1	10.8	11.7	11.0	10.7	
Services	196.1	203.3	194.7	197.4	198.8	200.5	205.4	208.4	
Compensation of employees	113.2	119.8	113.0	113.7	119.1	119.4	120.0	120.6	
Military	76.0	79.3	76.2	76.2	79.1	79.0	79.3	79.7	
Civilian	37.2	40.5	36.9	37.6	40.0	40.4	40.7	41.0	
Other services	82.9	83.5	81.7	83.6	79.8	81.2	85.4	87.7	
Structures	7.0	6.6	7.2	7.0	6.3	6.3	6.8	6.8	
Nondefense	83.3	101.3	71.4	105.9	100.4	104.7	94,9	105.4	
Durable goods	4.6	5.1	4.4	4,9	5.2	5.3	4.9	4.9	
Nondurable goods	-8.2	3.3	-19.8	11,0	3.8	5.9	-3.1	6.6	
Commodity Credit Corporation				l	l				
inventory change	-15.6	-3.7	-25.9	4.1	-3.8	-1.0	-10.0	1	
Other nondurables	7.4	7.0	6.1	6.9	7.6	6.9	6.8	6.7	
Services	80.0	86.0	79.7	83,6	84.9	86.6	86.0	86.3	
Compensation of employees	46.1	49.9	46.8	47.1	49.2	49.7	50.1	50.5	
Other services	33.9	36.1	32.9	36.5	35.7	37.0	35.9	35.9	
Structures	6.8	7.0	7.1	6.5	6.5	6.9	7.1	7.6	
State and local	587.6	632.5	591.0	604.9	617.0	627.2	636.2	649.8	
Durable goods	29,4	32.8	29.8	30.6	31.5	32.3	33.1	34.0	
Nondurable goods	46.9	52.5	47.5	48.3	50.6	52.4	52.7	54,4	
Services	442.1	475.5	446.0	453.9	463.2	471.3	479.3	488.0	
Compensation of employees	346.5	371.0	349.4	355.5	361.8	367.9	373.9	380.5	
Other services	95.6	104.5	96.6	98.4	101.4	103.5	105.4	107.5	
Structures	69.3	71.7	67.7	72.2	71.6	71.1	71.0	73.3	
		L							

Table 3.3.—State and Local Government Receipts and Expenditures

[Billions of dollars]

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	II	Ш	IV
Receipts	701.6	746.6	706.0	716.5	732.6	742.6	750.3	
Personal tax and nontax receipts	173.7	188.1	174.5	177.5	181.5	187.5	190.0	193.4
Income taxes	88.5 70.3 14.8	97.4 74.9 15.7	88.6 70.9 15.0	90.3 72.0 15.1	92.9 73.2 15.3	97.6 74.3 15.6	98.7 75.5 15.8	100.6 76.7 16.1
Corporate profits tax accruals	26.5	24.1	27.2	27.4	27.4	25.2	22.8	
Indirect business tax and nontax accruals	336.8	358.1	339.7	344.9	349.7	355.3	362.1	365.5
Sales taxesProperty taxesOther	160.5 131.0 45.2	170.8 140.3 47.1	161.7 132.3 45.7	164.8 134.5 45.7	166.8 136.8 46.1	169.4 139.1 46.7	173.1 141.4 47.5	173.7 143.7 48.1
Contributions for social insurance	53.3	56.7	53.7	54.6	55.4	56.2	57.1	58.1
Federal grants-in-aid	111.4	119.6	111.0	112.2	118.7	118.4	118.3	123.0
Expenditures	651.9	701.6	656.2	670.8	683.8	695.1	705.5	721.9
Purchases of goods and services	587.6	632.5	591.0	604.9	617.0	627.2	636.2	649.8
Compensation of employees Other	346.5 241.2	371.0 261.5	349,4 241.6	355.5 249.5	361.8 255.1	367.9 259.3	373.9 262.2	380.5 269.3
Transfer payments to persons	130.3	141.4	131.7	134.3	136.7	139.6	142.7	146.7
Net interest paid	-40.3	-42.7	-40.4	-41.1	-41.7	-42.3	-43.0	-43.6
Interest paid	59.9 100.2	65.9 108.5	60.7 101.1	62.2 103.3	63.7 105.4	65.1 107.5	66.6	68.1 111.7
Less: Dividends received by government	8.3	9.7	8.5	8.8	9.1	9.5	10.1	10.0
Subsidies less current surplus of government enterprises	-17.5	-20.0	-17.6	-18.5	-19.0	-19.8	-20.4	-21.0
SubsidiesLess: Current surplus of government	.7	.8	.8	.8	.8	.8	.8	.8
enterprises Less: Wage accruals less disbursements	18.3	20.8	18.3	19.3	19.8	20.6	21.1	21.7 0
Surplus or deficit (-), national income and product accounts	49.7	45.0	49.8	45.7	48.8	47.5	44.9	
Social insurance funds	71.1 -21.4	78.0 -33.0	72.1 -22.3	73.8 -28.1	75.4 -26.6	77.1 -29.6	79.1 -34.3	80.5

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

			Seasonally adjusted at annual rates							
	1988	1989	19	88		19	89			
			Ш	IV	I	п	Ш	IV		
Government purchases of										
goods and services	785.1	805.8	775.9	806.4	799.7	810.3	805.3	807.9		
Federal	328.9	337.2	319.8	343.9	335.5	343.6	336.1	333.6		
National defense	261.5	256.2	258.8	261.6	254.4	255.8	260.1	254.7		
Durable goods		81.8	84.3	85.0	82.1	82.8	84.3	78.1		
Nondurable goods	14.3	14.0	13.4	14.7	13.9	14.5	14.1	13.4		
Services		155.5	155,4	156.4	153.5	153.7	156.7	158.3		
Compensation of employees	89.1	89.7	88.7	89.1	89.5	89.4	89.8	90.0		
Military		59.6	59.9	59.8	59.7	59.5	59.6	59.7		
Civilian		30.1	28.7	29.3	29.8	29.9	30.1	30.3		
Other services		65.9	66.8	67.3	64.0	64.3	67.0	68.2		
Structures		4.9	5.8	5.4	4.8	4.7	5.1	5.0		
Nondefense	67.4	81.0	61.0	82.3	81.1	87.8	76.0	79.0		
Durable goods	5.4	5.6	5.2	5.6	5.7	5.8	5.5	5.4		
Nondurable goods		3.0	-14.7	3.9	3.6	9.1	-1.7	1.0		
Commodity Credit Corporation	1									
inventory change	-15.6	-3.1	-20.1	-2.2	-3.3	3.1	-7.7	-4.7		
Other nondurables	6.9	6.1	5.4	6.0	6.9	6.0	5.9	5.7		
Services	64.8	66.5	64.4	67.4	66.3	67.2	66.3	66.3		
Compensation of employees		37.2	36.7	36.9	36.9	37.0	37.3	37.6		
Other services	28.7	29.3	27.7	30.5	29.4	30.2	29.0	28.7		
Structures	5.9	5.8	6.1	5.5	5.5	5.7	5.9	6.2		
State and local	456,2	468.6	456,1	462.5	464.2	466.7	469.2	474.2		
Durable goods	26.1	28.1	26.4	26.9	27.4	27.9	28.4	28.9		
Nondurable goods	48.6	51.1	49.0	49.5	50.1	50.7	51.4	52.1		
Services		331.6	324.7	326.8	328.6	330.6	332.4	334.6		
Compensation of employees	250.9	255.2	251.5	252.7	253.7	254.7	255.7	256.9		
Other services	72.8	76.3	73.2	74,1	75.0	75.8	76.7	77.7		
Structures	57.8	57.8	56.0	59.3	58.0	57.5	57.0	58.7		

Table 3.9.—National Defense Purchases of Goods and Services

National defense purchases 298.0 302.8 296.1 300.5 298.7 301.3 307.8 307.8					Seasonal	ly adjuste	ed at ann	ual rates	
National defense purchases 298.0 302.8 296.1 300.5 298.7 301.3 307.8 307.8 307.2		1988	1989	19	88		19	89	
Durable goods				Ш	IV	I	П	ш	īV
Military equipment	National defense purchases	298.0	302.8	296.1	300.5	298.7	301.3	307.8	303.4
Aircraft 29.3 26.5 27.9 30.5 27.7 26.0 25.6 Missiles 11.4 13.7 12.7 13.3 12.9 14.3 14.2 Ships 8.4 9.8 8.1 9.3 10.2 9.0 10.3 Vehicles 4.2 3.6 4.3 3.7 3.7 3.4 3.8 Electronic equipment 6.0 6.2 5.8 6.5 5.9 6.3 7.2 Other 12.5 12.2 14.2 10.9 12.5 13.1 13.3 Other durable goods 11.0 9.9 10.7 10.7 9.8 10.6 10.1 Nondurable goods 10.9 11.1 10.5 11.1 10.3 11.7 11.0 Petroleum products 4.4 4.6 4.3 4.7 4.6 4.6 4.4 4.6 4.3 3.4 3.4 4.4 4.6 4.2 3.9 Other nondurable goods 2.6	Durable goods	83.9	81.9	83.7	85.1	82.7	82.8	84.5	77.5
Missiles									68.3
Ships									26.9
Vehicles									13.4
Electronic equipment									9.6
Other. 12.5 12.2 14.2 10.9 12.5 13.1 13.3 Other durable goods 11.0 9.9 10.7 10.7 9.8 10.6 10.1 Nondurable goods 10.9 11.1 10.5 11.1 10.8 11.7 11.0 Petroleum products 4.4 4.4 4.3 4.7 4.6 4.6 4.4 Ammunition 3.9 3.8 3.5 3.8 3.6 4.2 3.9 Other nondurable goods 2.6 2.7 2.7 2.6 2.7 2.9 2.7 Services 196.1 203.3 194.7 197.4 198.8 200.5 205.4 2 Compensation of employees 113.2 119.8 113.0 113.7 119.1 119.4 120.0 1 Military 76.0 79.3 76.2 76.2 79.1 79.0 79.3 Civilian 37.2 40.5 36.9 37.6 40.0 40.4 <td>Vehicles</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.3</td>	Vehicles								3.3
Other durable goods									5.4
Nondurable goods									9.8
Petroleum products	Other durable goods	11.0	9.9	10.7	10.7	9.8	10.6	10.1	9.2
Ammunition 3.9 3.8 3.5 3.8 3.6 4.2 3.9 Other nondurable goods 2.6 2.7 2.6 2.7 2.6 2.7 2.9 2.7 Services 196.1 203.3 194.7 197.4 198.8 200.5 205.4 2 Compensation of employees 113.2 119.8 113.0 113.7 119.1 119.4 120.0 Military 76.0 79.3 76.2 76.2 79.1 79.0 79.3 Civilian 37.2 40.5 36.9 37.6 40.0 40.4 40.7 Other services 82.9 83.5 81.7 83.6 79.8 81.2 85.4 Contractual research and development 30.7 30.8 30.3 31.4 29.8 30.2 31.2 Installation support 23.8 23.9 23.4 23.6 22.3 22.8 25.2 Weapons support 23.8 23.9 23.4 23.6 22.3 22.8 25.2 Weapons support 8.9 9.0 8.5 9.1 8.9 9.0 9.0 Personnel support 11.8 12.1 11.9 11.7 11.4 11.6 12.8 Transportation of materiel 3.7 3.9 3.9 3.8 3.6 3.8 4.0 Travel of persons 4.0 3.9 3.9 3.9 3.7 3.9 3.9 Other 0 -1 -3 1 0 -2 -6	Nondurable goods	10.9	11.1	10.5	11.1	10.8	11.7	11.0	10.7
Other nondurable goods 2.6 2.7 2.7 2.6 2.7 2.9 2.7 Services 196.1 203.3 194.7 197.4 198.8 200.5 205.4 2 Compensation of employees 113.2 119.8 113.0 113.7 119.1 119.4 120.0 1 Military 76.0 79.3 76.2 76.2 79.1 79.0 79.3 Civilian 37.2 40.5 36.9 37.6 40.0 40.4 40.7 Other services 82.9 83.5 81.7 83.6 79.8 81.2 85.4 Contractual research and development 30.7 30.8 30.3 31.4 29.8 30.2 31.2 Installation support 1 23.8 23.9 23.4 23.6 22.3 22.8 25.2 Weapons support 2 8.9 9.0 8.5 9.1 8.9 9.0 9.0 Personnel support 3 11.8 12.1 11.9 11.									4.7
Services 196.1 203.3 194.7 197.4 198.8 200.5 205.4 2 Compensation of employees 113.2 119.8 113.0 113.7 119.1 119.4 120.0 1 Military 76.0 79.3 76.2 76.2 79.1 79.0 79.3 Civilian 37.2 40.5 36.9 37.6 40.0 40.4 40.7 Other services 82.9 83.5 81.7 83.6 79.8 81.2 85.4 Contractual research and development 30.7 30.8 30.3 31.4 29.8 30.2 31.2 Installation support 1 23.8 23.9 23.4 23.6 22.3 22.8 25.9 Weapons support 2 8.9 9.0 85.5 9.1 8.9 9.0 9.0 Personnel support 3 11.8 12.1 11.9 11.7 11.4 11.6 12.8 Travel of persons 4.0 3.9 3.9 3.8									3.3
Compensation of employees	Other nondurable goods	2.6	2.7	2.7	2.6	2.7	2.9	2.7	2.7
Military	Services	196.1	203.3	194.7	197.4	198.8	200.5	205.4	208.4
Civilian 37.2 40.5 36.9 37.6 40.0 40.4 40.7	Compensation of employees	113.2	119.8	113.0	113.7	119.1		120.0	120.6
Other services 82.9 83.5 81.7 83.6 79.8 81.2 85.4 Contractual research and development 30.7 30.8 30.3 31.4 29.8 30.2 31.2 Installation support 1 23.8 23.9 23.4 23.6 22.3 22.8 25.2 Weapons support 2 8.9 9.0 8.5 9.1 8.9 9.0 9.0 Personnel support 3 11.8 12.1 11.9 11.7 11.4 11.6 12.8 Travel of persons 4.0 3.9 3.9 3.8 3.6 3.8 4.0 Travel of persons 4.0 3.9 3.9 3.9 3.7 3.9 3.9 Other 0 -1 -3 1 0 -2 6	Military						79.0		79.7
Contractual research and development 30.7 30.8 30.3 31.4 29.8 30.2 31.2 31.2 31.2 32.8 32.9 23.4 23.6 22.3 22.8 25.2 32.8 23.9 23.4 23.6 22.3 22.8 25.2 23.8 23.9 23.4 23.6 23.3 22.8 25.2 23.8 23.9 23.4 23.6 23.3 23.8 25.2 23.8 23.9 23.8 23.9 23.8 23.9 23.8 23.8 23.9 23.8 23.			40.5	36.9					41.0
Contractual research and development	Other services	82.9	83.5	81.7	83.6	79.8	81.2	85.4	87.7
23.8 23.9 23.4 23.6 22.3 22.8 25.2	Contractual research and	l							
Weapons support 2 8.9 9.0 8.5 9.1 8.9 9.0 9.0 Personnel support 3 11.8 12.1 11.9 11.7 11.4 11.6 12.8 Transportation of materiel 3.7 3.9 3.9 3.8 3.6 3.8 4.0 Travel of persons 4.0 3.9 3.9 3.9 3.7 3.9 3.9 Other 0 1 3 .1 0 2 6	development								32.0
Personnel support 3							22.8		25.5
Transportation of materiel 3.7 3.9 3.9 3.8 3.6 3.8 4.0 Travel of persons 4.0 3.9 3.9 3.9 3.7 3.9 3.9 Other 0 1 3 .1 0 2 6	Weapons support 2	8.9	9.0	8.5		8.9			9.1
Travel of persons 4.0 3.9 3.9 3.9 3.7 3.9 3.9 Other 5.1 -3 1 0 -2 -6	Personnel support 3	11.8							12.8
Other									4.1
	Travel of persons	4.0	3.9		3.9	3.7		3.9	3.9
Structures	Other	0	1	3	.1	0	2	6	.5
	Structures	7.0	6.6	7.2	7.0	6.3	6.3	6.8	6.8
Military facilities 4.7 4.1 4.9 4.6 4.0 3.9 4.3	Military facilities	4.7	4.1	4.9	4.6	4.0	3,9	4.3	4.3
Other 2.4 2.4 2.3 2.4 2.2 2.4 2.5									2.5

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

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

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

				Seasonal	ly adjuste	ed at ann	ual rates	
	1988	1989.	19	88		19	89	
			Ш	IV	I	II	Ш	IV
Receipts from foreigners 1	547.7	624.4	556.8	579.7	605.6	626.1	628.5	637.3
Exports of goods and services ¹ Merchandise ²	547.7 322.0	624.4 369.5	556.8 327.5	579.7 341.0	605.6 358.7	626,1 372.1	628.5 370.4	637.3 376.9
Durable goods 2	206.8 115.2 225.7	240.7 128.8 254.8	208.5 119.0 229.3	221.3 119.7 238.6	231.4 127.2 246.9	239.1 133.0 254.0	246.0 124.4 258.1	246.4 130.5 260.4
Factor income ^{3 4}	116.7 108.9	135.1 119.8	118.1 111.2	125.5 113.2	131.9 115.1	136.2 117.8	134.5 123.6	137.8 122.6
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Payments to foreigners 6	547.7	624.4	556.8	579.7	605.6	626.1	628.5	637.3
Imports of goods and services 6 Merchandise 2	621.3 449.0 294.5 154.5	675.2 482.2 311.0 171.2	623.0 448.8 294.0 154.8	650.5 468.8 312.6 156.3	659.6 469.8 309.6 160.3	676.6 480.0 308.0 172.0 196.6	673.6 482.2 309.8 172.4 191.4	691.1 496.8 316.7 180.1 194.3
Factor income ³ Other ⁷	172.3 83.4 88.9	193.0 101.5 91.5	174.2 85.9 88.3	181.6 91.0 90.6	189.8 97.3 92.5	105.2 91.4	101.0 90.4	102.6
Transfer payments (net)	14.7 1.9 12.9	15.5 1.7 13.7	13.6 1.9 11.7	20.2 1.9 18.2	13.8 2.2 11.5	12.5 1.4 11.1	15.7 1.6 14.1	19.9 1.6 18.2
Interest paid by government to foreigners	29.1	33.4	30.2	31.1	32.5	34.4	33.9	32.8
Net foreign investment	-117.5	-9 9.8	-109.9	-122.0	-100.3	-97.5	-94.8	-106.

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

[Billions of 1982 dollars]

				Seasonal	ly adjuste	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	II	ш	ΙV
National defense purchases	261.5	256.2	258.8	261.6	254.4	255.8	260.1	254.7
Durable goods	84.6	81.8	84.3	85.0	82.1	82.8	84.3	78.1
Military equipment	70.8 29.0 13.5	69.0 26.5 14.7	70.9 27.9 13.6	71.8 30.4 14.1	69.7 26.6 14.4	69.4 25.9 15.5	71.3 26.0 15.0	65.6 27.6 13.8
ShipsVehiclesElectronic equipment	7.1 4.5 5.6	7.9 3.8 5.6	6.7 4.6 5.4	7.8 3.9 6.0	8.4 4.0 5.4	7.3 3.6 5.7	8.3 4.1 6.4	7.7 3.4 4.8
OtherOther durable goods	11.2 13.8	10.5 12.8	12.7 13.4	9.7 13.2	10.9 12.4	11.4 13.4	11.5 13.0	8.4 12.4
Nondurable goods	14.3	14.0	13.4	14.7	13.9	14.5	14.1	13.
Petroleum products Ammunition Other nondurable goods	7.9 4.1 2.2	7.8 3.9 2.3	7.3 3.7 2.3	8.6 4.0 2.2	7.8 3.8 2.3	7.8 4.3 2.4	7.7 4.1 2.3	8.0 3.1 2.1
Services	156.9	155.5	155.4	156.4	153.5	153.7	156.7	158.
Compensation of employees	89.1 60.0 29.1 67.8	89.7 59.6 30.1 65.9	88.7 59.9 28.7 66.8	89.1 59.8 29.3 67.3	89.5 59.7 29.8 64.0	89.4 59.5 29.9 64.3	89.8 59.6 30.1 67.0	90.0 59.1 30.1 68.1
development	25.5 18.2 7.6 8.9 3.9	24.7 17.6 7.4 8.7 4.0	25.1 17.8 7.3 8.9 4.2	25.7 17.8 7.6 8.6 3.9	24.4 16.8 7.4 8.3 3.6	24.1 16.9 7.5 8.4 3.9	24.9 18.3 7.3 9.1 4.1	25.4 18.3 7.4 9.0 4.3
Travel of persons	3.8 0 5.7	3.6 1 4.9	3.7 2 5.8	3.7 .1 5.4	3.4 0 4.8	3.6 1 4.7	3.6 5 5.1	3. 5.
Military facilities	3.7 1,9	3.1 1.8	3.9 1.9	3.5 1.9	3.0 1.7	2.9 1.8	3.2 1.9	3. 1.

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

operate installations.

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

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

Table 4.2.—Exports and Imports of Goods and Services in Constant Dollars

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			ш	IV	I	П	Ш	IV
Exports of goods and services 1	530.1	587.6	531.9	551.4	569.7	587.5	593.1	600.2
Merchandise 2 Durable goods 2 Nondurable goods	344.3 234.0 110.4	386.9 265.3 121.6	344.1 234.2 109.9	358.6 248.0 110.5	372.5 254.0 118.5	386.9 262.8 124.1	390.6 272.3 118.3	397.6 272.2 125.4
Services ¹	185.8 94.7 91.1	200.7 104.8 95.9	187.8 95.3 92.5	192.8 100.0 92.8	197.2 104.0 93.2	200.6 106.1 94.5	202.5 103.9 98.6	202.6 105.3 97.3
Imports of goods and services 6	605.0	643.9	606.9	625.2	624.6	638.7	650.2	662.0
Merchandise 2 Durable goods 2 Nondurable goods	467.1 280.8 186.3	496.3 300.8 195.5	468.3 281.8 186.6	483.4 291.3 192.1	477.4 290.7 186.7	487.5 296.1 191.4	504.3 303.8 200.5	515.9 312.4 203.4
Services ⁶		147.6 77.7 69.9	138.5 68.2 70.3	141.9 71.4 70.4	147.2 75.7 71.6	151.1 80.9 70.2	145.9 76.9 69.0	146.1 77.3 68.9

to operate installations.

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

See footnote 5 and the box on page 21 of the July 89 SURVEY OF CURRENT BUSINESS.
 Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to "other" services.
 Line 7 less line 16 equals rest-of-the-world product as shown in table 1.7.
 Estimates beginning with the first quarter of 1986 exclude noninterest income of banks, which was reclassified to "other" services.

reclassified to "other" services.

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

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

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

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

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

3. Line 6 less line 13 equals rest-of-the-world product as shown in table 1.8.

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

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

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

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

Use Category

				Seasonal	ly adjust	d at ann	ual rates	_
	1988	1989	19	88		19	89	
			Ш	IV	I	11	Ш	IV
Merchandise exports 1	322.0	369.5	327.5	341.0	358.7	372.1	370.4	376.9
Foods, feeds, and beverages	32.9	36,0	34.8	34.6	38.6	37.9	32.3	35.0
Industrial supplies and materials	83.0	96.3	85.2	86.4	92.6	99.0	96.6	96.8
Durable goods	27.9	33.8	28.6	30.2	32.5	34.0	34.4	34.2
Nondurable goods	55.1	62.5	56.6	56.3	60.1	65.0	62.2	62.6
Capital goods, except autos	112.4	130.7	112.9	119.7	123.4	129,3	138.3	131.8
Autos	32.5	34.8	31.9	34.3	35.5	34.4	33.2	36.0
Consumer goods	24.2	31.9	24.9	26.6	29.9	32.2	32.0	33.6
Durable goods	11.0	16.1	11.5	12.2	15.1	16.5	15.9	16.8
Nondurable goods	13.2	15.9	13.4	14.4	14.8	15.7	16.1	16.8
Other 1	37.0	39.9	37.8	39.5	38.7	39.3	37.9	43.7
Durable goods 1 2	23.1	25.4	23.6	24.9	25.0	24.9	24.1	27.6
Nondurable goods 2	14.0	14.5	14.2	14.5	13.7	14.4	13.7	16.1
Merchandise imports 1	449.0	482.2	448.8	468.8	469.8	480.0	482.2	496.8
Foods, feeds, and beverages	24.9	25.1	24.8	25.1	25.1	25.1	24.9	25.2
Industrial supplies and materials,								
excluding petroleum	76.4	78.7	76.3	80.6	80.2	78.1	77.4	79.2
Durable goods	40.9	42.7	40.1	44.1	43.5	42.5	42.0	42.8
Nondurable goods	35.6	36.0	36.2	36.5	36.6	35.6	35.4	36.4
Petroleum and products	39.3	50.9	39.1	36.9	43.4	53.8	52.2	54.3
Capital goods, except autos	101.8	113.5	102.7	107.1	108.7	113.9	114.1	117.3
Autos	87.9	86.7	87.0	93.0	91.3	84.8	84.9	85.6
Consumer goods	96.4	103.6	96.5	101.8	98,4	101.2	104.9	110.0
Durable goods	52.8	56.3	53.0	56.1	54.7	55.2	56.9	58.4
Nondurable goods	43.6	47.3	43.5	45.6	43.7	46.0	48.0	51.6
Other 1	22.3	23.7	22.5	24.4	22.7	23.1	23.8	25.3
Durable goods 1 2	11.2	11.9	11.2	12.2	11.4	11.5	11.9	12.6
Nondurable goods 2	11.2	11.9	11.2	12.2	11.4	11.5	11.9	12.6
Addenda:								
Exports of agricultural products 3	38.1	41.4	39.7	39.2	43.1	43.4	38.6	40.4
	283.8	328.1	287.8	301.9	0156	328.7	004.0	0000
Exports of nonagricultural products	203.0	320.11	207.01	301.91	315.6	328.71	331.8	336.5

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

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

[Billions of 1982 dollars]

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	II	Ш	IV
Merchandise exports 1	344.3	386.9	344.1	358.6	372.5	386.9	390.6	397.6
Foods, feeds, and beverages	33.1	35.2	32.0	31.9	36,1	36,2	32.2	36.0
Industrial supplies and materials	79.7	92.4	80.5	81.8	88.7	94.1	93.2	93.7
Durable goods	26.8	32.3	27.0	28.5	31.2	32.3	32.9	32.8
Nondurable goods	52.9	60.1	53.5	53.2	57.5	61.8	60.3	60.9
Capital goods, except autos	144.3	162.3	144.6	152.4	152.7	160.4	170.5	165.7
Autos		29.1	27.3	29.2	29.9	29.0	27.7	29.7
Consumer goods	21.7	27.7	22.3	23.6	26.0	28.0	27.7	29.0
Durable goods	10.3	14.6	10.7	11.3	13.7	14.9	14.5	15.1
Nondurable goods	11,4	13.1	11.6	12.3	12.3	13.1	13.3	13.9
Other 1	37.5	40.2	37.4	39.7	39.0	39.2	39.3	43.4
Durable goods 1 2	24.5	27.1	24.5	26.6	26.5	26.2	26.7	28.8
Nondurable goods 2	13.0	13.2	12.9	13.1	12.5	13,1	12.5	14.6
Merchandise imports 1	467,1	496.3	468.3	483.4	477.4	487.5	504.3	515.9
Foods, feeds, and beverages	22.7	23.9	22.5	22.7	22.9	23.1	24.5	25.2
Industrial supplies and materials,								
excluding petroleum	73.7	72.6	72.7	75.1	72.7	71.2	72.0	74.4
Durable goods	39.5	39.7	38.3	41.1	39.4	38.8	39.5	41.0
Nondurable goods	34.2	32.9	34.4	34.0	33.3	32.4	32.5	33.3
Petroleum and products	86.2	93.2	86.4	90.3	87.9	91.6	97.4	96.0
Capital goods, except autos	121.2	140.8	123.6	124.8	129.5	138.8	144.2	150.9
Autos	66.4	63.9	65.7	68.8	67.4	63.2	63.0	62.2
Consumer goods	78.2	82.3	78.6	81.7	78.5	80.7	83.4	86.4
Durable goods	44.3	46.5	44.7	46.6	45.2	45.9	47.2	47.9
Nondurable goods	33.9	35.7	33.8	35.1	33.3	34.8	36.2	38.5
Other 1	18.7	19.5	18.9	20.0	18.6	19.0	19.7	20.8
Durable goods 1 2	9.4	9.8	9.4	10.0	9.3	9.5	9.9	10.4
Nondurable goods 2	9,4	9.8	9.4	10.0	9.3	9.5	9.9	10.4
Addenda:								
Exports of agricultural products 3	37.6	39.4	36.2	36.2	40.1	40.7	37.1	39.9
Exports of nonagricultural products	306.7	347.4	307.9	322.3	332.4	346.2	353.5	357.7
Imports of nonpetroleum products	380.9	403.1	381.9	393.1	389.5	395,9	406.9	419.9
		,-	1 1					

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

Table 5.1.—Gross Saving and Investment

[Billions of dollars]

				Seasonal	ly adjust	ed at anr	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	II	m	IV
Gross saving	642.4	700.7	669.8	647.4	693,5	695.8	709.9	
Gross private saving Personal saving Undistributed corporate profits with inventory valuation and capital	738.6 144.7	805.6 206.3	742.4 149.6	769.3 163.4	792.1 205.7	793.7 200.7	809.7 195.1	223,7
uventory valuation and capital consumption adjustments		47.1 36.2 -18.5 29.4	77.6 61.1 -30.4 46.9	81.7 60.4 -20.1 41.5	53.4 55.1 -38.3 36.6	52.0 40.2 -20.5 32.3		-8.9 22.4
allowances with capital consumption adjustment	321.7 191.9 0	344.8 207.4 0	323.1 192.1 0	329.7 194.4 0	335.2 197.8 0	339.7 201.3 0	349.9 215.3 0	354.5 215.1 0
Government surplus or deficit (-), national income and product accounts	-96.1 -145.8 49.7	- 104.9 -149.9 45.0	-72.7 -122.5 49.8	-121.9 -167.6 45.7	~ 98.7 -147.5 48.8	-97. 9 -145. 4 47.5	-99.8 -144.7 44.9	
Capital grants received by the United States (net)	0	0	0	0	0	0	0	0
Gross investment	632.8	677.4	661.2	630.8	669.3	677.5	684.3	678.3
Gross private domestic investment Net foreign investment	750.3 -117.5	777.1 -99.8	771.1 -109.9	752.8 -122.0	769.6 -100.3	775.0 -97.5	779.1 -94.8	784.8 -106.5
Statistical discrepancy	-9.6	-23.4	-8.6	-16.6	-24.1	-18.3	-25.5	······

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

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

 Includes parts of line 2 and line 5.

Estimates beginning with the first quarter of 1986 exclude repairs and alterations of equipment, which was reclassified to services other than factor income.
 Because no data are available to distribute exports and imports of "other" merchandise between durable and nondurable goods prior to 1986, or to distribute imports of "other" merchandise for all time periods, estimates were distributed equally.
 Includes parts of line 2 and line 5.

Table 5.8.—Change in Business Inventories by Industry

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	11	Ш	IV
Change in business inventories	30.6	29.4	44.6	18.7	27.7	27.4	27.4	35.2
Farm	-3.6	4.2	3.1	-22.2	8.6	3.8	7.5	-3.1
Nonfarm	34.2	25.2	41.5	40.8	19.1	23.6	19.8	38.3
	70.6	52.2	84.4	71.2	76.8	54.5	27.2	50.4
	-36.4	27.0	-42.8	-30.4	-57.8	-30.9	7.3	-12.1
Manufacturing Durable goods Nondurable goods	9.1	8.8	6.6	14.9	4.5	9.8	14.5	6.5
	8.7	8.3	7.5	14.6	10.2	5.3	9.8	7.8
	.4	.6	9	.3	-5.7	4.5	4.8	-1.4
Wholesale trade	8.9	3.8	9.7	4.5	-4.6	6.1	3.3	10.5
	7.3	4.7	16.1	2.2	1.2	6.9	1.9	8.6
	1.6	–.9	-6.3	2.3	-5.9	9	1.4	1.8
Merchant wholesalers Durable goods Nondurable goods	7.7	3.6	7.4	2.4	-4.1	6.4	.3	11.7
	6.0	4.3	14.1	2	1.7	7.7	-,4	8.3
	1.7	8	–6.7	2.6	-5.8	-1.3	.6	3.4
Nonmerchant wholesalers Durable goods Nondurable goods	1.2	.2	2.3	2.1	5	4	3.1	-1.2
	1.3	.4	1.9	2.4	4	8	2.3	.4
	1	–.1	.4	3	1	.4	.8	-1.6
Retail trade	6.1	6.9 .3 0 .3 6.5	15.1 14.2 10.0 4.2 .9	13.6 11.4 7.7 3.7 2.1	9.9 7.3 10.6 -3.3 2.6	3.1 -5.4 -3.6 -1.8 8.4	-2.0 -7.3 -10.6 3.3 5.3	16.4 6.7 3.8 2.9 9.8
Other Durable goods Nondurable goods	7.9	5.7	10.1	7.9	9.3	4.6	4.0	4.9
	2.9	1.3	3.6	3.8	3.3	9	.8	1.9
	5.0	4.4	6.4	4.1	6.0	5.5	3.2	3.0

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

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

[Billions of dollars]

		Seasonal	ly adjust	ed quarte	rly totals	
	19	88		19	89	
	Ш	IV	I	11	Ш	IV
Inventories 1	985.3	1,004.0	1,026.6	1,033.9	1,041.8	1,055
Farm	77.6	75.7	78.2	77.4	77.5	80.0
Nonfarm	907.7	928.3	948.4	956.5	964.3	975.3
Durable goods		549.5	561.8	564.3	568.6	575.0
Nondurable goods	372.2	378.7	386.6	392.2	395.7	400.3
Manufacturing	360.8	368.6	376.5	378.2	382.9	384.2
Durable goods	240.5	246,9	253.2	254.0	257.9	259.3
Nondurable goods	120.4	121.7	123.4	124.1	125.0	124.9
Wholesale trade	215.7	218.6	221.6	223.8	225.4	228.
Durable goods		140.7	142.9	145.2	146.6	149.
Nondurable goods	77.1	77.9	78.7	78.6	78.8	79.0
Merchant wholesalers	188.9	191.0	193.1	195.4	196.2	199.
Durable goods		123.7	125.8	128.3	129.0	131.4
Nondurable goods	66.5	67.3	67.4	67.1	67.2	67.3
Nonmerchant wholesalers		27.6	28.5	28.4	29.2	28.
Durable goods		17.0	17.1	16.9	17.6	17.
Nondurable goods	10.6	10.6	11.3	11.5	11.6	11.3
Retail trade		223.7	229.0		231.7	237.
Durable goods		116.2	119.0	118.3	117.0	119.
Automotive	56.9	59.4	62.3	61.5	59.1	60.
Other	55.4	56.8	56.7	56.8	57.9	58.
Nondurable goods	105.9	107.4	110.0	113.0	114.7	118.
Other	113.0	117.4	121.2	123.3	124.4	125.8
Final sales 2	345.8	354.4	360.0	366.6	371.8	374.
Final sales of goods and structures 2	196.8	202.4	205.4	208.9	210.5	209.
Ratio of inventories to final sales						
Inventories to final sales	2.85	2.83	2.85	2.82	2.80	2.8
Nonfarm inventories to final sales	2.62	2.62	2.63	2.61	2.59	2.6
Nonfarm inventories to final sales of goods and				1.50		
structures	4.61	4.59	4.62	4.58	4.58	4.6

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

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

Table 5.9.—Change in Business Inventories by Industry in Constant Dollars [Billions of 1982 dollars]

				Seasonall	y adjuste	d at annu	al rates	
	1988	1989	19	88		198	9	
			Ш	IV	I	II	m	IV
Change in business inventories	27.9	24.5	37.5	18.3	24.5	19.1	21.9	32.€
Farm	-2.8	3.5	.3	-13.6	7.6	5	5.6	1.3
Nonfarm	30.7	21.0	37.2	31.9	16.9	19.5	16.2	31.3
Manufacturing Durable goods Nondurable goods	8.2	7.2 6.7 .5	5.8 7.4 -1.6	12.2 13.2 -1.0	3.8 8.3 -4.5	8.3 4.1 4.2	12.0 8.2 3.9	4.7 6.5 -1.8
Wholesale trade		3.2 3.9 8	9.8 14.3 -4 .5	1.9 1.9 0	-2.4 1.0 -3.4	4.5 6.2 -1.7	2.4 1.4 1.0	8.3 7.2 1.3
Merchant wholesalers Durable goods Nondurable goods		3.2 3.7 5	7.4 12.5 -5.2	.4 3 .7	-2.1 1.5 -3.5	5,2 7.0 -1.7	5 6 .1	10.: 6.: 3.:
Nonmerchant wholesalers Durable goods Nondurable goods	1.0 1.2 3	0 .3 3	2.5 1.8 .7	1.5 2.2 7	4 5 .1	8 8 0	2.9 2.0 1.0	-1.1 -2.
Retail trade	5.4 2.6 2.8	5.8 .3 0 .3 5.5	13.3 12.5 8.6 3.9	11.6 9.8 6.6 3.2 1.9	8.4 6.1 9.0 -2.9 2.3	2.6 -4.6 -3.0 -1.5 7.2	-1.6 -6.1 -9.0 2.9 4.5	13.5 5. 3.2 8.
Other Durable goods Nondurable goods	6.5 2.5	4.8 1.1 3.7	8.3 3.1 5.2	6.2 3.2 3.0	7.1 2.7 4.4	4.1 8 4.9	3.4 .7 2.7	4. 1. 2.

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

	Seasonai	ly adjuste	d quarte	rly totals	
19	88		19	89	
ш	IV	I	п	m	IV
885.9	890.5	896.6	901.4	906.8	915.0
71.2	67.8	69.7	69.6	71.0	71.3
814.7	822.7	826.9	831.8	835.8	843.
					488.7
345.1	346.0	345.7	349.4	352.4	355.0
324.3	327.3	328.3	330.4	333.4	334.
	215.4	217.5	218.5	220.5	222.
112,2	111.9	110.8	111.9	112.8	112.
	193.5	192,9	194.0	194.6	196.
					125.
71.7	71.7	70.9	70.4	70.7	71.5
	167.0	166.5	167.8	167.7	170.
					110.
59.8	60.0	59.1	58.7	58.7	59.:
	26.5	26.4	26.2	26.9	26.
					15.
i i					11.
					199.
					101.
					50.
					50 98.
106.7	108.2	110.0	111.0	111.9	113.
288.5	291.9	294.3	296.8	298.6	297.
177.0	179.5	181.4	182.8	183.0	180.
3.07	3.05	3.05	3.04	3.04	3.0
	2.82	2.81	2.80	2.80	2.8
4.60	4.58	4.36	4.55	4.57	4.6
	885.9 71.2 814.7 469.6 345.1 324.3 212.1 112.2 193.0 121.3 71.7 166.9 107.1 59.8 26.1 14.2 11.9 190.7 98.4 48.9 49.5 92.3 106.7 288.5 177.0	885.9 890.5 71.2 67.8 814.7 822.7 469.6 476.7 345.1 346.0 324.3 327.3 212.1 215.4 112.2 111.9 193.0 193.5 121.3 71.7 71.7 166.9 167.0 107.1 107.0 59.8 60.0 26.1 26.5 14.2 14.7 11.9 11.7 190.7 193.6 98.4 100.8 48.9 50.6 49.5 50.3 92.3 92.8 106.7 108.2 288.5 291.9 177.0 179.5	III IV I	Name	III IV I II III III

^{1.} 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 GNP is stated at annual rates.

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

Table 5.12.—Fixed Investment by Type

7				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			Ш	IV	I	II	Ш	IV
Fixed investment	719.6	747.7	726.5	734.1	742.0	747.6	751.7	749.6
Nonresidential	487.2	512.5	493.2	495.8	503.1	512.5	519.6	514.8
Structures	140.3	145.1	142.0	142.5	144.7	142.4	146.2	147.1
excluding farm	97.8	100.6	98.7	97.9	101.3	98.5	101.3	101.4
Public utilities	26.1	28.4	26.8	28.6	28.8	28.5	28.3	28.0
Mining exploration, shafts, and wells	12.0	10.6	12.3	11.0	9.7	9,9	10.7	11.8
Other	4.5	5.5	4.1	4.9	4.8	5.5	5.9	5.9
Producers' durable equipment Information processing and	346.8	367.4	351.3	353.3	358.5	370.1	373.4	367.7
related equipment		121.6	116.9	115.1	117.8	122.7	122.0	123.8
Industrial equipment Transportation and related	81.9	91.7	83.0	87.8	92.2	90.7	91.6	92.4
equipment	76.3	74.2	77.4	76.7	72.2	77.6	79.8	67.1
Other	73.9	80.0	74.0	73.7	76.3	79.0	80.1	84.4
Residential	232.4	235.2	233.2	238.4	238.8	235.1	232.1	234.8
Single-family structures		115.6	115.1	119.2	121.5	114.8	112.4	113.8
Multifamily structures		24.1	23.1	23.4	24.1	25.0	24.1	23.3
Other	92.6	95.5	95.0	95.8	93.2	95.3	95.6	97.7

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

[Billions of dollars]

				Seasonal	ly adjust	ed at ann	ual rates	
	1988	1989	19	88		19	89	
			ш	IV	I	11	ш	IV
National income without capital consumption adjustment	3,952.8	4,270.8	3,985.2	4,083.4	4,178.4	4,249.8	4,300.5	
Domestic industries	3,919.5	4,237.2	3,953.0	4,048.9	4,143.9	4,218.9	4,266.9	
Private industries	3,352.6	3,630.9	3,382.0	3,470.1	3,549.6	3,616.8	3,656.7	
Agriculture, forestry, and fisheries Mining	90,4 34,4 211.2	98.0 37.5 223.7	88.0 34.8 213.2	82.5 33.9 217.4	109.5 35.0 220.5	102.7 37.2 221.6	88.7 38.3 224.3	
Manufacturing Durable goods Nondurable goods		819.2 468.0 351.2	789.9 457.4 332,6	816.1 469.2 346.9	817.1 469.9 347.2	818.2 466.7 351.5		
Transportation and public utilities Transportation	300.2 131.1 83.6 85.5	320,4 140,9 88,0 91,6	304.7 133.6 84.5 86.5	311.1 134.9 85.7	314.5 137.1 87.8 89.7	321.4 140.0 90.0 91.4	142.1	
Wholesale trade	234.5 335.6 568.8 789.0	253.3 356.3 633.7 888.7	236.5 338.5 576.4 800.0	244.9 344.2 594.5 825.5	244.7 346.6 613.3 848.3	251.6 353.9 633.3 876.9	257.2	
Government and government enterprises	566.9 33.3	606.3 33.6	571.0 32.3	578.8 34.5	594.3 34.5	602.0 31.0	610.2 33.5	35.2

Table 5.13.—Fixed Investment by Type in Constant Dollars

[Billions of 1982 dollars]

				Seasonal	ly adjuste	d at ann	ual rates	
	1988	1989	19	88		19	89	
			III	ΙV	I	п	ш	IV
Fixed investment	687.9	700.0	696.1	690.8	696.6	700.7	702.7	700.1
Nonresidential	493.8	511.1	501.0	492.7	501.0	511.4	517.9	514.0
Structures Nonresidential buildings,	122.2	120.1	123.0	121.4	121.1	118.1	120.4	120.8
excluding farm	78.7	77.8	79.3	78.1	79.8	76.6	77.7	77.1
Public utilities	22.6	23.8	23.0	24.2	24.5	24.0	23.6	23.2
Mining exploration, shafts, and wells	17.2	14.0	17.3	15.0	12.9	13.1	14.2	15.8
Other	3.7	4.5	3.4	4.1	3.9	4.5	4.8	4.7
Producers' durable equipment Information processing and	371.6	391.0	378.0	371.3	379.9	393.2	397.6	393.3
related equipment	174.2	189.0	178.6	172.2	180.3	189.1	191.1	195.3
Industrial equipment Transportation and related	68.4	74.0	69.5	72.0	74.9	73.5	73.5	74.0
equipment	65.7	61.9	66.7	64.7	60.7	64.8	66.9	55.1
Other	63.3	66.2	63.2	62.4	63.9	65.7	66.0	69.0
Residential	194.1	188.9	195.1	198.1	195.6	189.3	184.8	186.0
Single-family structures	96.2	91.5	95.3	97.9	98.3	91,1	87.9	88.6
Multifamily structures	19.3	19.1	19.1	19.2	19.5	19.8	18.8	18.1
Other	78.6	78.4	80.7	80.9	77.8	78.4	78.0	79.4

Table 6.18B.—Corporate Profits by Industry

[Billions of dollars]

Financial	* 1			Se	asonally	y adjust	ed at an	nual ra	tes
Corporate profits with inventory valuation and capital consumption adjustments 328.6 298.2 330.9 340.2 316.3 307.8 295.2 295.2 285.0 252.4 285.9 293.7 269.7 264.2 249.5 248.3 258.2 235.3 230.5 226.7 248.3 258.2 235.3 230.5 226.7 248.3 258.2 235.3 230.5 226.7 248.3 258.2 235.3 230.5 226.7 248.3 258.2 235.3 230.5 226.7 248.3 248.3 258.2 235.3 230.5 226.7 248.3 248.3 258.2 235.3 230.5 226.7 248.3 248		1988	1989	19	88		19	89	
valuation and capital consumption adjustments. 328.6 298.2 330.9 340.2 316.3 307.8 295.7 Domestic industries. 285.0 252.4 285.9 293.7 269.7 264.2 249.5 Financial. 35.7 29.5 37.5 35.5 34.4 33.6 22.8 Nonfinancial. 249.3 222.9 248.3 258.2 235.3 230.5 226.7 Rest of the world 43.7 45.8 45.1 46.5 46.6 43.6 45.7 Corporate profits with inventory valuation adjustment 281.8 268.7 284.1 298.7 279.7 275.5 268.7 Domestic industries 282.2 222.9 239.0 252.2 233.1 231.8 223.0 Financial. 29.8 24.3 31.6 30.1 29.3 28.6 17.8 Federal Reserve banks. 181. 20.6 18.3 19.3 20.3 21.2 20.4 Other. 11.7 3.7				Ш	IV	I	П.	Ш	IV
valuation and capital consumption adjustments. 328.6 298.2 330.9 340.2 316.3 307.8 295.7 Domestic industries. 285.0 252.4 285.9 293.7 269.7 264.2 249.5 Financial. 35.7 29.5 37.5 35.5 34.4 33.6 22.8 Nonfinancial. 249.3 222.9 248.3 258.2 235.3 230.5 226.7 Rest of the world 43.7 45.8 45.1 46.5 46.6 43.6 45.7 Corporate profits with inventory valuation adjustment 281.8 268.7 284.1 298.7 279.7 275.5 268.7 Domestic industries 282.2 222.9 239.0 252.2 233.1 231.8 223.0 Financial. 29.8 24.3 31.6 30.1 29.3 28.6 17.8 Federal Reserve banks. 181. 20.6 18.3 19.3 20.3 21.2 20.4 Other. 11.7 3.7	Corporate profits with inventory								
Domestic industries. 285.0 252.4 285.9 293.7 269.7 264.2 249.5	valuation and capital consumption	200 (200.2	220.0	240.0	2162	207 0	202.2	
Financial	adjustments		298.2				307.8	l	l
Nonfinancial	Domestic industries	285.0	252.4	285.9	293.7	269.7	264.2	249.5	ļ
Nonfinancial	Financial	35.7	29.5	37.5	35.5	34.4	33.6	22.8	L
Corporate profits with inventory valuation adjustment			222.9	248.3	258.2	235.3	230.5	226.7	
valuation adjustment 281.8 268.7 284.1 298.7 279.7 275.5 268.7 Domestic industries 238.2 222.9 239.0 252.2 233.1 231.8 223.0 Financial 29.8 24.3 31.6 30.1 29.3 28.6 17.8 Federal Reserve banks 18.1 20.6 18.3 19.3 20.3 21.2 204 Other 11.7 3.7 13.3 10.8 9.0 7.4 -2.6 Nonfinancial 208.4 198.6 207.3 222.1 203.9 203.2 205.2 Manufacturing 98.4 87.3 95.1 105.5 96.5 90.3 86.6 Durable goods 38.1 30.2 38.3 39.8 35.6 31.5 28.6 6.7 Fabricated metal products 6.4 6.5 6.8 7.4 6.5 6.6 6.7 Fabricated metal products 4.8 2.3 6.0 2.1 2.0 2.8 2.3<	Rest of the world	43.7	45.8	45.1	46.5	46.6	43.6	45.7	ļ
Domestic industries	Corporate profits with inventory								
Pinancial 29.8 24.3 31.6 30.1 29.3 28.6 17.8 Federal Reserve banks 18.1 20.6 18.3 19.3 20.3 21.2 20.4 20.4 20.6 20.7	valuation adjustment	281.8	268.7	284.1	298.7	279.7	275.5	268.7	ļ
Tederal Reserve banks	Domestic industries	238.2	222.9	239.0	252.2	233.1	231.8	223.0	
Transportation and public utilities. 18.1 20.6 18.3 19.3 20.3 21.2 20.4	Financial	29.8	24.3	31.6	30.1	29.3	28.6	17.8	L
Nonfinancial	Federal Reserve banks								
Manufacturing	Other	11.7	3.7	13.3	10.8	9.0	7.4	-2.6	ļ
Durable goods	Nonfinancial	208.4	198.6	207.3	222.1	203.9	203.2	205.2	ļ
Primary metal industries 6.4 6.5 6.8 7.4 6.5 6.6 6.7 Fabricated metal products 6.1 6.4 4.8 5.9 7.2 6.7 6.7 6.7 2.8 2.3 Machinery, except electrical 4.8 2.3 6.0 2.1 2.0 2.8 2.3 Electric and electronic equipment 4.6 3.9 5.8 6.6 4.4 5.1 3.0 -1.9 -2.0 Other 15.8 12.0 11.8 13.4 12.4 12.2 12.2 12.3 Nondurable goods 60.3 57.1 56.8 65.7 60.9 58.8 58.0 Food and kindred products 15.7 15.0 14.9 17.2 17.4 14.8 14.9 Chemicals and allied products 17.4 16.6 15.6 25.0 18.5 18.1 15.9 Petroleum and coal products 3.7 2.2 3.8 5.3 1.2 1.0 3.9 <t< td=""><td>Manufacturing</td><td>98,4</td><td>87.3</td><td>95.1</td><td>105.5</td><td>96.5</td><td>90.3</td><td>86.6</td><td>ļ</td></t<>	Manufacturing	98,4	87.3	95.1	105.5	96.5	90.3	86.6	ļ
Fabricated metal products	Durable goods	38.1	30.2	38.3	39.8	35.6	31.5		
Machinery, except electrical 4.8 2.3 6.0 2.1 2.0 2.8 2.3 Electric and electronic equipment 4.6 3.9 5.8 6.6 4.4 5.1 3.0 Motor vehicles and equipment 2.4 -8 3.2 4.5 3.0 -1.9 -2.0 Motor vehicles and equipment 13.8 12.0 11.8 13.4 12.4 12.2 12.3 13.8 12.0 11.8 13.4 12.4 12.2 12.3 13.8 12.0 13.8 12.0 13.8 12.0 13.8 12.0 13.8 12.0 13.8 12.0 13.8 12.0 13.8 12.0 13.8 13.4 12.4 12.2 12.3 13.0 13.		6.4	6.5	6,8					
Electric and electronic equipment									
Motor vehicles and equipment 2.4 -8 3.2 4.5 3.0 -1.9 -2.0 Other 13.8 12.0 11.8 13.4 12.4 12.2 12.2 Nondurable goods 60.3 57.1 56.8 65.7 60.9 58.8 58.0 Food and kindred products 15.7 15.0 14.9 17.2 17.4 14.8 14.8 Chemicals and allied products 17.4 16.6 15.6 22.0 18.5 18.1 15.9 Petroleum and coal products 3.7 2.2 3.8 5.3 1.2 1.0 3.9 Other 23.5 23.3 22.5 21.2 23.8 24.9 23.4 Transportation and public utilities 39.3 39.4 40.8 43.5 41.6 40.8 39.4 Wholesale and retail trade 40.1 36.7 39.2 41.8 34.1 36.9 41.9									
Other 13.8 12.0 11.8 13.4 12.4 12.2 12.3 Nondurable goods 60.3 57.1 56.8 65.7 60.9 58.8 58.0 Food and kindred products 15.7 15.0 14.9 17.2 17.4 14.8 14.8 Chemicals and allied products 17.4 16.6 15.6 22.0 18.5 18.1 15.9 Petroleum and coal products 3.7 2.2 3.8 5.3 1.2 1.0 3.9 Other 23.5 23.3 22.5 21.2 23.8 24.9 23.4 Transportation and public utilities 39.3 39.4 40.8 43.5 41.6 40.8 39.4 Wholesale and retail trade 40.1 36.7 39.2 41.8 34.1 36.9 41.9									
Nondurable goods									
Food and kindred products 15.7 15.0 14.9 17.2 17.4 14.8	Other	13.8	12.0	11.8	13.4	12.4	12.2	12.3	·····
Food and kindred products 15.7 15.0 14.9 17.2 17.4 14.8	Nondurable goods	60.3	57.1	56.8	65.7	60.9	58.8	58.0	L
Chemicals and allied products									
Petroleum and coal products			16.6	15.6	22.0	18.5	18.1	15.9	
Other 23.5 23.3 22.5 21.2 23.8 24.9 23.4 Transportation and public utilities 39.3 39.4 40.8 43.5 41.6 40.8 39.4 Wholesale and retail trade 40.1 36.7 39.2 41.8 34.1 36.9 41.9			2.2	3.8	5.3	1.2	1.0	3.9	
Wholesale and retail trade				22.5	21.2	23.8	24.9	23.4	
Wholesale and retail trade	Transportation and public utilities	39.3	394	40.8	43.5	41.6	40.8	39.4	<u> </u>
	Wholesale and retail trade								
Rest of the world 43.7 45.8 45.1 46.5 46.6 43.6 45.7	Deat of the mould	42.7	45.0	45.	46.0	16.0	43.5	1 45 7	

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

[Index numbers, 1982=100]

				Se	asonall	y adjust	ed	
	1988	1989	19	88		19	89	
			ш	IV	I	п	ш	IV
Gross national product	124.1	129.7	124.9	126.2	127.7	129.3	130.2	131.4
Personal consumption expenditures	125.9	131.8	126.6	128.1	129.6	131.6	132.3	133.8
Durable goodsNondurable goodsServices	112.9 117.2 135.5	115.1 123.8 141.9	113.2 118.1 136.2	114,1 119,4 138,1	114.7 121.0 139.8	114.7 124.5 141.1	115.2 124.3 142.6	115.9 125.6 144.3
Gross private domestic investment								
Fixed investment	119.5	115.6 113.1 112.1 113.8 124.2	111.5 109.3 107.9 110.2 119.3	112.7 110.5 109.1 111.5 120.1	114.1 111.8 110.5 112.7 121.8	115.2 112.6 111.6 113.3 123.9	116.1 113.5 112.7 114.0 125.3	117.0 114.5 113.6 115.1 126.0
Net exports of goods and services								
ExportsImports		114.6 110.7	112.6 106.2	113.3 107.3	113.7 109.5	114.6 111.1	114.4 109.8	114.9 111.2
Government purchases of goods and services	125.1	131.0	125.9	126.9	129.4	130.5	131.4	132.6
Federal National defense Nondefense State and local	117.9	122.9 122.6 123.8 136.9	118.7 118.3 119.7 131.2	119.3 119.0 120.0 132.6	122.3 122.0 123.0 134.7	122.7 122.5 123.2 136.2	123.0 122.5 124.2 137.6	123.7 123.3 124.7 139.1
Addenda:	1							
Final sales	124.0 122.2 92.4 131.0	129.5 129.2 97.7 136.7	124.8 123.5 92.8 131.5	126.1 124.9 92.9 133.3	127.6 126.6 94.0 134.8	129.2 129.0 100.6 136.1	130.1 129.9 98.2 137.2	131.3 131.4 97.8 138.8

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

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

[Index numbers, 1982=100]

				Se	Seasonally adjusted						
	1988	1989	19	88		1989 I II III 127.7 129.3 130.2 127.6 129.2 130.1 118.1 120.0 120.3 118.0 119.8 120.1 109.9 110.6 111.2 110.1 110.8 111.3 123.6 126.3 126.4 123.4 126.1 126.2 138.0 139.4 140.7					
			Ш	IV	I	п	ш	īV			
Gross national product	124.1	129.7	124.9	126.2	127.7	129.3	130.2	131.4			
Final salesChange in business inventories		129.5	124.8	126.1	127.6	129.2	130.1	131.3			
Goods	115.1	119.9	116,2	117.3	118.1	120.0	120.3	121.2			
Final sales			116.0	117.1	118.0	119.8	120.1	121.1			
Durable goods	108.3	111.1	108.7 108.7	109.1 109.2	109.9 110.1			112.1 112.2			
Nondurable goodsFinal sales	119.5	125.9 125.7	121.3 121.0	122.8 122.5	123.6 123.4			127.4 127.1			
Services	133.7	140.1	134.4	136.0	138.0	139.4	140.7	142.3			
Structures	113.7	118.6	114.2	115.2	116.8	118.2	119.4	120.1			

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

[Index numbers, 1982=100]

				ed				
	1988	1989	19	88		19	89	
			Ш	IV	I	11	ш	IV
Gross national product	124.1	129.7	124.9	126.2	127,7	129.3	130.2	131.4
Less: Exports of goods and services		114.6 110.7				114.6 111.1		114.9 111.2
Equals: Gross domestic purchases 1		129.4	124.3	125.7	127.4	129.1	129.9	131.2
Equals: Final sales to domestic purchasers 2		129.2	124.2	125.6	127.3	128.9	129.7	131.0

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

^{1.} Purchases in the United States of goods and services wherever produced.
2. Final sales in the United States of goods and services wherever produced.

Table 7.4.—Implicit Price Deflators for Gross National Product

[Index numbers, 1982=100]

				Se	asonall	y adjust	ed	
	1988	1989	19	88		19	89	
			III	IV	1	1989 1		IV
Gross national product	121.3	126.3	121.9	123.3	124.5	125.9	126.9	128.0
Personal consumption expenditures	124.5	130,0	125.1	126.5	128.0	129.8	130.4	131.9
Durable goods Nondurable goods Services	110.1 116.3 134.9	111.3 122.6 141.2	110.2 117.1 135.6	111.2 118.2 137.3	111.2 120.0 139.0	123.3	122.9	111.7 124.2 143.5
Gross private domestic investment								
Fixed investment	93.3 119.7	100.3 120.8 94.0 124.5	104.4 98.4 115.4 92.9 119.6	106.3 100.6 117.3 95.2 120.4	106.5 100.4 119.5 94.4 122.1	100.2 120.6 94.1 124,2	100.3 121.5 93.9	100.1 121.8 93.5
Net exports of goods and services								
Exports	1	106.3 104.9	104.7 102.7	105.1 104.0	106.3 105.6	106.6	106.0	
Government purchases of goods and services	123.4	128.7	123.5	125.4	127.1	127.5	129.0	131.0
Federal National defense Nondefense State and local	115,9 114.0 123.6 128.8	119.8 118.2 125.2 135.0	114.9 114.4 117.1 129.6	118.2 114.9 128.7 130.8	118.9 117.4 123.8 132.9	118.2 117.8 119.2 134.4	119.8 118.3 125.0 135.6	122.5 119.1 133.4 137.0

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

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

[Index numbers, 1982=100]

Gross national product	121.3	126.3	121.9	123.3	124.5	125.9	126.9	128.0
Final sales							126.9	
Goods	109.0	112.8	109.7	111.1	111.4	112.8	113.2	114.0
Final sales							113.1	
Durable goods	97.4		97.6		99.2 98.7	99.2 99.0		100.2 99.8
Nondurable goodsFinal sales	120,4	126.1	121.6 121.2	123.8	123.6	125.7	126.8 126.8	127.6 128.2
Services	133.4	139.6	134.0	135.5	137.6	138.9	140.3	141.7
Structures	118.5	123.7	118.8	120.0	121.9	123.4	124.6	125.1

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

Table 7.6.—Implicit Price Deflators for Gross National Product by Sector
[Index numbers, 1982=100]

Gross national product	121.3	126.3	121.9	123.3	124.5	125.9	126.9	128.0
Gross domestic product	121.3	126.3	121.9	123.3	124.5	125.9	126.9	128.1
Business	119.3	124.0	119.9	121.3	122.3	123.6	124.5	125.6
Nonfarm less housing	119.6 117.8	124.3 122.4	119.9 118.1	121.6 119.9	122.5 120.7	123.8	124.8 122.8	126.1 123.9
Housing		145.7	139.0	140.8	142.0	143.3	147.6	150.0
Farm	104.6	110.2	117.3	101.8	113.0	115.7	109.5	102.6
Statistical discrepancy	119.3	124.0	119.9	121,3	122.3	123.6	124.5	125.6
Households and institutions	137.0 1.105.9	143.9 107.3	137.2 106.1	139.1 106.4	141.0 107.0	142.4 107.4	144.8	147.4 107.6
Private households	139.1	146.3	139.3	141.3	143.2	144.7	147.3	149.9
Government	134.5	141.5	135.1	136.4	139.5	140.9	142.1	143.4
Federal	127.2	133.7	127.5	127.7	133.1	133.7	133.9	134.1
State and local	138.1	145.4	138.9	140.7	142.6	144.4	146.3	148.1
Rest of the world	123.3	128.8	124.0	125.5	126.8	128.3	129.4	130.8
Addendum:								
Gross domestic business product less housing	117.6							

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

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

[Index numbers, 1982=100]

				Se	easonall	y adjust	ed		
	1988	1989	19	1988		1989			
· · · · · · · · · · · · · · · · · · ·			III	IV	I	11	ш	IV	
Gross national product	121.3	126.3	121.9	123.3	124.5	125.9	126.9	128.0	
Less: Capital consumption allowances with capital consumption adjustment	106.9	108.6	106.7	107.4	108.0	108.4	109.0	109.0	
Equals: Net national product	123.2	128.8	123.9	125.5	126.8	128.3	129.4	130.8	
Less: Indirect business tax and nontax liability plus business transfer payments less subsidies plus current surplus of government enterprises	123.3	131.8	125.9	124.5	126.5	129.4	135.3	135.8	
Statistical discrepancy	119.3	124.0	119.9	121.3	122.3	123.6	124.5	ļ	
Equals: National income	123.2	128.5	123.7	125.5	126.8	128.1	128.8		

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

[Index numbers, 1982=100]

Gross national product	121,3	126.3	121.9	123.3	124.5	125.9	126.9	128.0
Less: Net exports of goods and services	103.3 102.7	106.3 104.9	104.7 102.7				106.0 103.6	
Equals: Gross domestic purchases	120.9	125.8	121.3	122.8	124.2	125.5	126.2	127.4
Plus: Command-basis net exports of goods and services		i			į	ı	i	
Command-basis exports Imports	102.7 102.7	104.9 104.9	102.7 102.7	104,0 104.0	105.6 105.6		103.6 103.6	
Equals: Command-basis gross national product	121.2	126.1	121.6	123.1	124.4	125.8	126.4	127.7

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

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

[Index numbers, 1982=100]

Personal consumption expenditures	125.9	131.8	126.6	128.1	129.6	131.6	132.3	133.8
Durable goods	112.9	115.1	113.2	114.1	114.7	114.7	115.2	115.9
Motor vehicles and parts	118.6	120.5			120.5	120.6	120.1	120.9
Furniture and household equipment		105.0		104.7	104,8	104.1	105.3	105.8
Other	118.5	123.5	118.8	121.1	121.7	123.0	124.2	125.2
Nondurable goods	117.2	123.8	118.1	119.4	121.0	124,5	124,3	125.6
Food,		129.2	123,5	124.9	126.6	129.0	129.9	131.4
Clothing and shoes		118.5	115.1	117.9	118.2	119.9	116.7	119.1
Gasoline and oil		86.5	80.4	79.1	79.9	92.7	88.2	85.0
Other nondurable goods		135.3	128.2	129.8	132.1	134.4	136.3	138.6
Fuel oil and coal		80.4	77.5	73.9	77.6	80.2	80.5	83.2
Other	134.5	142,7	135.2	137.4	139.4	141.6	143.8	146.0
Services	135.5	141.9	136.2	138.1	139.8	141.1	142.6	144,3
Housing	136.4	142.7	137.1	138.9	140.2	141,4	143.5	145.6
Household operation		122.6	119.8	121.7	122.4	122.4	122,2	123.7
Electricity and gas	112.7	115.8	112.0	114.7	115.5	115.6	114.9	117.3
Other	127.4	129.7	127.9	128.8	129.5	129.4	129.7	130,3
Transportation		130.6	127.6	128.5	130.4	130.5	130.0	131.4
Medical care	144.5	154.5	146.0	148.5	151.3	153.5	155.7	157,7
Other	137.9	144.1	138.2	139.9	141.5	143.4	145.0	146.4

Table 7.14.—Fixed-Weighted Price Indexes for Exports and Imports of Goods and Services, 1982 Weights

[Index numbers, 1982=100]

Exports of goods and services	111.2	114.6	112.6	113.3	113.7	114.6	114.4	114.9
Merchandise	104.1	106.3	106.2	106.3	106.1	106.8	105.7	105.8
Durable goods	104.3	106.7	105.1	105.5	105.8	106.6	106.7	107.8
Nondurable goods	103.9	105.3	108.1	108.0	107.1	106.7	104.3	103.1
Services		126.5	121.9	123.3	124.8	126.1	127.1	128,1
Factor income		129.8	124.8		127.7	129.3	130.4	131.7
Other	116.3	120.8	116.8	117.9	119.6	120.4	121.3	121.7
Imports of goods and services	106.3	110.7	106.2	107.3	109.5	111.1	109.8	111.2
Merchandise	99.5	103.3	99.1	99.8	102.5	104.5	102.1	103.3
Durable goods	118.0	120.3	117.8	120.5	121.0	119.9	119.5	120.3
Nondurable goods	80.0	85.4	80.1	78.7	83.5	87.9	84.3	85,8
Services		132.1	126.8	129.3	130.3	131.4	132.4	134.4
Factor income		128.8	124.0	125.5	126.8		129.5	130.8
Other	128.1	134.7	129.1	132.2	133.0	133.7	134.7	137.3

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

[Index numbers, 1982=100]

				Se	asonall	y adjust	ed	
	1988	1989	19	88		19	89	
			Ш	IV	I	П	Ш	IV
Merchandise exports	104.1	106.3	106.2	106.3	106.1	106.8	105.7	105.8
Foods, feeds, and beverages	99.6	102.3	109.0	108.3	106.8	104.6	100.3	97.2
Industrial supplies and materials		104.1	105.8	105.7	104.4	105.2	103.5	103.3
Durable goods		104.7	105.8	105.7	104.4	105.3	104.7	104.2
Nondurable goods	104.0	103.9	105.8	105.7	104.4	105.2	103.1	102.8
Capital goods, except autos		105.1	102.8	103.4	103.7	104.7	105.4	106.4
Autos		119.6	116.9	117.6	118.6	118.7	120.0	121.3
Consumer goods		116.2	111.8	113.1	115.8	115.8	116.2	116.7
Durable goods		110.4	107.3	107.8	110.1	110.7	109.8	110.9
Nondurable goods	115.9	120.7	115.3	117.2	120.3	119.9	121.3	121.2
Other	101.0	102.0	103.3	102.2	102.2	102.8	100.0	102.8
Durable goods		93.9	96.3	93.8	94.2	95.1	90.3	95.9
Nondurable goods	107.7	110.0	110.2	110.5	110.2	110.5	109.8	109.8
Merchandise imports	99.5	103.3	99.1	99.8	102.5	104.5	102.1	103.3
Foods, feeds, and beverages	109.9	104.9	110.3	110.6	109.9	108.9	101.6	99.9
Industrial supplies and materials, excluding	l .							
petroleum	104.1	108.3	105.2	107.4	110.1	109.3	107.3	106.7
Durable goods	104.1	107.2	105.2	107.4	110.0	109.0	105.7	104.2
Nondurable goods	104.0	109.5	105.1	107.4	110.1	109.6	109.0	109.2
Petroleum and products	45.6	54.6	45.2	40.8	49.4	58.7	53.5	56.5
Capital goods, except autos	115.3	116.6	114.6	118.0	117.6	116.3	116.5	116.6
Autos	132.4	135.5	132.4	135.2	135.5	134.3	134.7	137.6
Consumer goods		125.8	122.7	124.4	125.2	125.3	125.6	126.9
Durable goods	119.2	121.0	118.4	120.6	121.0	120.3	120.7	121.9
Nondurable goods		132.6	128.7	129.9	131.1	132.3	132.5	134.1
Other		121.5	119.2	121.7	122.5	121.5	120.7	121.2
Durable goods	119.2	121.5	119.2	121.7	122.5	121.5	120.7	121.2
Nondurable goods	119.2	121.5	119.2	121.7	122.5	121.5	120.7	121.2

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

[Index numbers, 1982=100]

				Se	asonali	y adjust	ed	
	1988	1989	19	88		19	89	
			ш	IV	1	П	Ш	IV
National defense purchases	117.9	122.6	118.3	119.0	122.0	122.5	122.5	123.3
Durable goods	109.3	111.5	109.6	110.1	112.2	111.5	111.1	111.2
Military equipment	110.8	112.8	111.0	111.4	113.8	112.8	112.2	112.4
Aircraft	106.9	107.4	107.0	106.6	110.5	106.6	106.4	106.2
Missiles	117.7	116.7	117.4	118.1	118.7	119.7	114,4	113.8
Ships	125.6	131.7	126.6	127.3	130.2	131.6	132.3	132.6
Vehicles	89.8	92.3	90.6	91.0	90.2	91.5	93.1	94.4
Electronic equipment	108.1	111.1	108.1	109.2	110.6	111.0	111.3	111.5
Other	111.9	116.4	112.3	113.9	115.2	116.0	116.6	117.9
Other durable goods	102.4	105.5	103.0	103.9	105.0	105.5	105.8	105.6
Nondurable goods	73.9	75.9	75.7	74.7	74.9	76.7	74.4	77.7
Petroleum products		59.5	60.6	58.7	58.5	60.9	57.2	61.5
Ammunition	98.9	102.3	99.3	99.5	101.1	102.1	102.4	103.5
Other nondurable goods	115.5	119.1	115.7	117.8	118.1	118.5	118.8	120.8
Services	125.8	131.5	126.0	126.9	130.5	131.3	131.8	132.4
Compensation of employees	127.2	133.6	127.5	127.7	133.1	133.5	133.7	134.0
Military	126.7	133.0	127.1	127.3	132.6	132.8	133.0	133.4
Civilian	128.1	134.8	128.2	128.3	134.1	134.9	135.1	135.1
Other services	123.2	127.5	123.2	125.5	125.5	127.1	128.1	129.3
Contractual research and development	120.3	124.7	120.9	122.1	122.2	125.3	125.3	125.9
Installation support 1		136.2	131.2	132.8	132.8	135.0	137.6	139.2
Weapons support 2	117.6	121.8	117.7	119.2	119.9	121.1	122.8	123.3
Personnel support 3		158.1	152.6	161.2	157.9	155.6	157.0	161.7
Transportation of materiel		97.6	93.4	99.0	99.8	97.5	96.5	96.4
Travel of persons	107.2	111.9	108.5	108.8	111.9	111.5	111.0	113.0
Other								
Structures	124.2	133.6	123.8	128.8	130.8	132.1	134.2	137.2
Military facilities	125,3	135.4	124.5	132.3	132.5	133.2	135.8	140.2
Other	122.6	130.8	122.9	123.6	128.4	130.3	131.7	132.6

 ^{1.} Includes utilities, communications, rental payments, maintenance and repair, and payments to contractors to operate installations.
 2. Includes depot maintenance and contractual services for weapons systems.
 3. Includes compensation of foreign personnel, consulting, training, and education.

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

[Index numbers, 1982=100]

				Se	asonall	y adjust	ed	
!	1988	1989	19	88		19	89	
:			ш	IV	I	11	ш	IV
Government purchases of goods and services	125.1	131.0	125.9	126.9	129.4	130.5	131.4	132.6
Federal	117.9	122.9	118.7	119.3	122.3	122.7	123.0	123.7
National defense	73.9 125.8 127.2 126.7 128.1 123.2 124.2	122.6 111.5 75.9 131.5 133.6 133.0 134.8 127.5 133.6	118.3 109.6 75.7 126.0 127.5 127.1 128.2 123.2 123.8 119.7	119.0 110.1 74.7 126.9 127.7 127.3 128.3 125.5 128.8	122.0 112.2 74.9 130.5 133.1 132.6 134.1 125.5 130.8	122.5 111.5 76.7 131.3 133.5 132.8 134.9 127.1 132.1	122.5 111.1 74.4 131.8 133.7 133.0 135.1 128.1 134.2	123.3 111.2 77.7 132.4 134.0 133.4 135.1 129.3 137.2
Durable goods Nondurable goods Commodity Credit Corporation inventory change	101.6	105.3	101.7	103.3	104.6	104.8	105.3	106.6
Other nondurables	98.6 124.2 127.5	104.8 130.1 134.0 124.1 120.1	98.1 124.5 127.6 119.7 115.9	99.8 124.9 127.7 120.6 116.6	103.1 128.9 133.4 122.1 118.2	104.0 129.9 134.1 123.4 119.6	105.2 130.6 134.3 124.8 120.8	106.9 131.0 134.3 125.9 121.7
State and local	130.4	136.9	131.2	132.6	134.7	136.2	137.6	139.1
Durable goods	97.3 136.7	117.4 103.7 144.0 145.5 137.4 123.7	114.0 97.7 137.8 139.0 132.3 120.4	115.0 98.4 139.5 140.8 133.4 121.3	116.2 101.8 141.5 142.7 135.8 122.9	117.0 104.2 143.2 144.5 137.0 123.2	117.7 103.5 144.9 146.4 137.9 123.9	118.8 105.4 146.6 148.2 139.0 124.6

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

[Dollars]

				Se	asonall	y adjust	ed	
	1988	1989	19	88		19	89	
			III	ΙV	I	II	Ш	IV
Current-dollar cost and profit per unit of constant-dollar gross domestic product 1	1.129	1.172	1.132	1.148	1.156	1,168	1.176	
Capital consumption allowances with capital consumption adjustment	.123	.128	.122	.124	.125	.126	.129	
Net domestic product	1.006	1.044	1.009	1.024	1.031	1.042	1.047	ļ
Indirect business tax and nontax liability plus business transfer payments less subsidies Domestic income	.107 .899 .744	.111 .932 .782	.108 .901 .746	.108 .916 .756	.110 .921 .768	.111 .931 .778	.935	
and capital consumption adjustments Profits tax liability Profits after tax with inventory valuation	.103 .044	.090 .039	.102 .044	.105 .045	.096 .045	.093 .041		
and capital consumption adjustments Net interest	.059 .052	.051 .060	.058 .053	.061 .055	.051 .057	.053 .060	.053 .061	

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

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

[Percent]

			Se	asonally	adjust	ed at an	nual rat	es				Se	asonally	adjusto	ed at an	nual rat	es
	1988	1989	19	88		19	89			1988	1989	19	88		19	89	
			111	IV	I	II	III	IV				Ш	IV	I	П	Ш	ΙV
Gross national product: Current dollars	4.4 3.3 3.7	7.2 2.9 4.1 4.2 4.5	7.5 3.2 4.4 4.4 5.2	7.5 2.7 4.7 4.1 4.3	7.9 3.7 4.0 4.6 4.8	7.1 2.5 4.6 4.9 5.0	6.2 3.0 3.2 2.8 2.9	4.3 .5 3.5 3.7 3.8	Government purchases of goods and services: Current dollars	4.6 .4 4.1 3.7 4.6	7.0 2.6 4.3 4.3 4.7	6 -3.6 3.0 1.9 4.7	23.9 16.7 6.3 3.8 3.5	1.8 -3.3 5.5 8.0 8.0	6.9 5.4 1.3 3.7 3.3	2.2 -2.4 4.8 2.9 2.8	7.8 1.3 6.3 3.8 3.6
Current dollars 1982 dollars Implicit price deflator Chain price index Fixed-weighted price index	3.4 3.9 4.1	7.3 2.7 4.4 4.5 4.7	7.5 3.3 3.9 4.3 4.6	7.6 3.0 4.6 4.8 4.9	7.1 2.0 4.8 4.7 4.8	7.6 1.9 5.7 5.8 6.3	7.6 5.6 1.9 2.1 2.2	4.6 1 4.7 4.4 4.4	Federal: Current dollars	1 -3.2 3.1 2.3 4.1	6.0 2.5 3.4 3.4 4.2	-9.8 -9.5 3 -2.2 4.4	49.5 33.7 12.0 3.1 2.1	-7.1 -9.4 2.4 10.2 10.4	7.2 10.0 -2.3 2.4 1.2	-3.2 -8.4 5.5 1.8 1.2	6.2 -2.9 9.3 2.7 2.2
Durable goods: Current dollars	6.2 1.9 2.2	4.0 2.9 1.1 1.8 2.0	-1.8 -3.9 2.2 2.8 3.1	13.8 9.9 3.7 3.1 3.2	9 -1.1 0 2.1 2.0	4.0 5.5 -1.4 3 0	13.5 11.3 2.2 1.4 1.6	-11.9 -12.9 1.1 2.6 2.5	National defense: Current dollars 1982 dollars Implicit price deflator Chain price index Fixed-weighted price index	1.1 -1.4 2.6 2.2 3.6	1.6 -2.0 3.7 3.4 4.0	-2.5 -5.5 3.2 2.1 2.0	6.1 4.4 1.8 2.8 2.5	-2.4 -10.6 9.0 9.6 10.4	3.5 2.2 1.4 1.8 1.6	8.9 6.9 1.7 1.4	-5.6 -8.0 2.7 2.9 2.4
Nondurable goods: Current dollars	1.6 3.7 4.0	6.7 1.2 5.4 5.4 5.7	9.5 5.0 4.2 4.6 5.0	4.7 .7 3.8 4.5 4.5	7.6 1.3 6.2 5.5 5.5	8.7 -2.3 11.5 11.5 12.0	3.6 5.0 -1.3 -1.0 6	2.8 -1.4 4.3 4.5 4.1	Nondefense: Current dollars 1982 dollars Implicit price deflator Chain price index	-4.0 -9.4 5.9 2.4 5.4	21.6 20.2 1.3 3.7 4.9	-33.6 -24.3 -12.3 -16.7 10.6	383.9 231.3 45.9 4.2 1.2	-19.2 -5.7 -14.4 11.8 10.4	18.3 37.4 -14.1 4.1 .4	-32.5 -43.9 20.9 2.8 3.4	52.2 16.7 29.7 2.2 1.7
Services: Current dollars ¹	3.8 4.6 4.7	8.5 3.7 4.7 4.7 4.7	8.9 4.5 4.2 4.4 4.7	7.9 2.6 5.1 5.4 5.5	8.9 3.6 5.0 5.0 4.9	7.9 3.8 4.1 4.1 3.9	8.7 4.3 4.0 4.2 4.3	10.3 5.3 4.9 4.9 5.0	State and local: Current dollars 1982 dollars Implicit price deflator Chain price index Fixed-weighted price index	7.9 3.2 4.5 4.7 4.9	7.6 2.7 4.8 4.9 5.0	5.6 .9 4.8 4.7 4.8	9.7 5.7 3.8 4.2 4.4	8.2 1.5 6.6 6.6 6.4	6.8 2.2 4.6 4.6 4.7	5.9 2.2 3.6 3.6 3.9	8.8 4.3 4.2 4.5 4.6
Gross private domestic investment: Current dollars 1982 dollars Implicit price deflator Chain price index Fixed-weighted price index.	6.2	3.6 1.2	12.7 11.8	-9.2 -12.7	9.2 6.9	2.8 7	2.1	3.0	Addenda: Gross domestic purchases: 1982 dollars	3.3 3.8 4.2	2.4 4.3 4.6	3.4 3.5 4.3	2.5 4.5 4.5	1.8 5.2 5.5	2.1 5.1 5.4	3.5 2.4 2.5	.9 4.0 4.1
Fixed investment: Current dollars 1982 dollars Implicit price deflator. Chain price index	5.8 1.5 2.6	3.9 1.8 2.1 3.2	4.2 2.4 1.9 1.4	4.3 -3.0 7.5 3.8	4.4 3.4 .8 4.1	3.1 2.4 .8 3.7	2.2 1.1 1.1 3.0 3.5	-1.1 -1.5 .4 2.3	Final sales: 1982 dollars Chain price index Fixed-weighted price index Fixed-weighted price index Final sales to domestic purchasers;	4.3 3.7 4.2	3.0 4.2 4.5	1.6 4.3 5.2	4.7 4.1 4.3	3.1 4.6 4.8	3.1 4.9 5.0	2.7 2.8 2.9	5 3.8 3.8
Fixed-weighted price index	9.7 8.4 1.2	3.9 5.2 3.5 1.6 2.9	5.1 2.6 2.5 1.9	4.2 2.1 -6.5 9.2 4.4	5.0 6.0 6.9 8 3.2	3.9 7.7 8.6 8 2.1	5.7 5.2 .4 2.3	3.1 -3.6 -3.0 8 2.4	Pinal sates to united purchasers: 1982 dollars	3.2 3.8 4.2	2.5 4.3 4.6	1.8 3.4 4.3	4.5 4.4 4.5 2.2	1.2 5.3 5.5	2.7 5.1 5.3 2.5	3.3 2.4 2.5 4.0	1 4.0 4.1
Fixed-weighted price index Structures: Current dollars	3.4 4.9	3.8	2.7 6.1	4.7 1.4	4.7 6.3	3.0 6.2	3.1	2.5	Implicit price deflator	3.3 4.4	3.0	3.0	5.0 2.5	4.3 3.8 4.0	2.9	2.8	4.2 .4 3.8
1982 dollars	1 5.0 4.5 5.2	-1.7 5.1 4.3 4.7	1.6 4.3 4.2 5.5	-5.1 6.8 3.9 4.5	-1.0 7.7 4.8 5.3	-9.5 3.7 4.6 4.2	8.0 3.0 4.5 3.9	1.3 1.0 3.6 3.1	Implicit price deflator	3.3 4.6 3.1	3.0 3.9	4.0 3.0 4.5	4.7 2.5 4.8	3.9 3.3	4.6 2.8 4.3	2.8 2.9	.1 3.6
Producers' durable equipment: Current dollars 1982 dollars Inplicit price deflator	11.5 .1	5.9 5.2 .8	4.8 2.9 1.7		6.0 9.6 -3.3	13.6 14.8 -1.3	3.6 4.6 8	-6.0 -4.3 -1.7	Nonfarm: 1982 dollars Implicit price deflator	5.2 2.8	3.2 3.9	4.4 3.4	4.6 5.8	2.4 3.0	2.8 4.3	3.6 3.3	0 4.2
Chain price index	1.6 2.2 2.7	2.3 3.3	1.0 1.0	4.6 4.8 9.2	2.6 4.4 .7	1.1 2.2 -6.1	1.4 2.6 -5.0	2.0 3.7 4.7	Disposable personal income: Current dollars	8.5 4.4	8.7 4.1	9.1 4.9	8.9 4.3	11.9 6.6	6.5 .8	6.5 4.4	7.5 2.6
1982 dollars Implicit price deflator. Chain price index Fixed-weighted price index.	4 3.0 3.1 3.1	-2.7 4.0 4.0 4.0	1.9 .3 .3	6.3 2.7 2.7 2.6	-5.0 5.8 5.9 5.8	-12.3 7.1 7.3 7.2	-9.2 4.6 4.7 4.6	2.6 1.9 2.0 2.0									l
Exports of goods and services: Current dollars '	22.1 17.6 3.8 4.9 5.3	14.0 10.8 2.9 2.6 3.0	19.5 9.7 8.9 9.0 9.9	17.5 15.5 1.5 2.0 2.4	19.1 14.0 4.6 1.5	14.2 13.1 1.1 2.3 2.5	1.5 3.9 -2.2 9 4	5.7 4.9 .8 1.9 1.7									
Imports of goods and services: Current dollars 1	10.7 6.8 3.7 5.3 5.0	8.7 6.4 2.1 3.7 4.1	10.6 10.2 .4 .5 .3	18.9 12.6 5.2 5.0 4.2	5.7 4 6.3 7.2 8.6	10.7 9.3 1.1 4.4 5.7	-1.8 7.4 -8.4 -3.6 -4.4	10.8 : 7.5 3.1 4.0 5.1									

^{1.} Percent changes for 1986 and the first quarter of 1986 reflect discontinuities in the series.

NOTE.—The fixed-weighted price index and the chain price index, both of which are weighted averages of the detailed prices used in the deflation of GNP, are measures of price change. In calculating changes in these indexes, the composition of GNP is held constant. Consequently these changes reflect only changes in prices. The fixed-weighted price index measures price change over any period, using as weights the composition of GNP in 1982. The chain price index measures price change between two consecutive periods,

using as weights the composition of GNP in the first period. The implicit price deflator is a byproduct of the deflation of GNP. It is derived as the ratio of current- to constant-dollar GNP (multiplied by 100). It it the average of the detailed prices used in the deflation of GNP, but the prices are weighted by the composition of GNP in each period. Consequently, the implicit price deflator reflects not only changes in prices but also changes in the composition of GNP, and its use as a measure of price change should be avoided.

Composite Indexes of Leading, Coincident, and Lagging Indicators

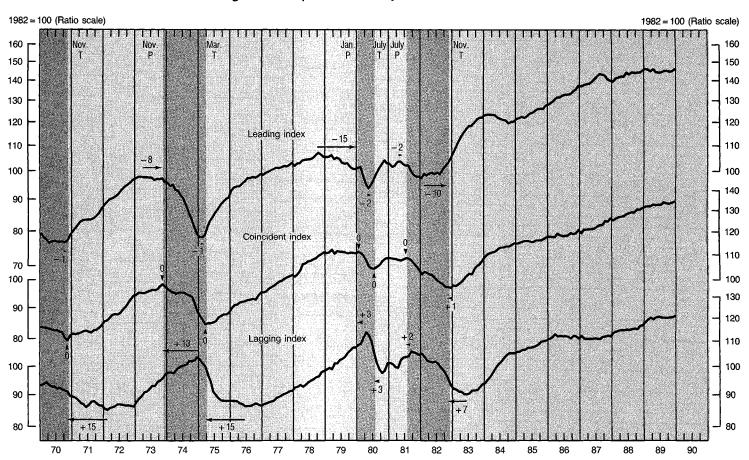
Recent Data and Percent Changes

						19	89							198	39	
Index	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct,	Nov.	Dec. P	1	II	111	IV ?
								Index (1	982=100)			····				
Leading index	146.0	145.6	144.7	145.8	144.2	144.0	144.1	144.8	145.0	144.5	⁷ 144.6	145.7	145.4	144.7	144.6	144.9
Coincident index	131.8	132.0	132.0	132.8	132.5	132.8	132.6	133.9	133.5	133.1	′133.7	134.2	131.9	132.7	133.3	133.7
Lagging index	118.1	119.3	120.1	119.3	120.3	120.5	120.1	120.1	119.9	120.2	120.2	120.9	119.2	120,0	120.0	120,4
						P	ercent char	nge from p	receding m	onth (quart	er)					
Leading index	.6	3	6	.8	-1.1	1	.1	.5	.1	3	.1	.8	.7	5	1	.2
Coincident index	.5	.2	0	.6	2	.2	2	1.0	3	73	′.5	.4	1.0	.6	.5	.3
Lagging index	1.1	1.0	.7	7	.8	.2	73	ю	2	.3	0	.6	2.7	.7	0	.3

Preliminary.
Revised.

NOTE.—Quarterly data are averages of monthly figures. Quarterly percent changes are computed from quarterly data.

Long-Term Perspective: January 1970 to December 1989



Note.—Peak (P) indicates the end of business cycle expansion and the beginning of recession (shaded area). Trough (T) indicates the end of business cycle recession and the beginning of expansion. Business cycle peaks and troughs are designated by the National Bureau of Economic

Research, Inc. The numbers entered on the chart indicate the length of leads (-) and lags (+) in months from the business cycle turning dates.

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

REGIONAL PERSPECTIVES

Total Personal Income Growth in Recent Quarters

A marked strengthening in manufacturing and mining payrolls in the Rocky Mountain region led to an acceleration in the growth of the region's total personal income that began in the second quarter of 1988. The strengthening in manufacturing in part reflected growth in the production of transportation equipment. In the mining industry, metal production surged. From the third quarter of 1988 to the third quarter of 1989. personal income growth in the Rocky Mountain region (8.7 percent) topped the U.S. average growth (8.5 percent) for the first time since late 1983 (chart 5). In the mid-1980's, weak growth in commodity-producing industries had dampened growth.

In contrast with the accelerating growth in the Rocky Mountain region, growth in New England has been decelerating since early 1988. The deceleration reflects slowdowns in the growth of payrolls in construction and private service-type industries, especially business, financial, and professional services. Over the last year, 12 personal income growth in New England (8.2 percent) was below the U.S. average, after having been above av- 10 erage for most of the 1980's. Earlier in the 1980's, a surge in economic activity stemming from the national defense buildup and strength in high-technology industries had boosted growth.

Other regions with above-average growth

In the Plains region, total personal income grew 9.2 percent, 0.7 percentage point above the U.S. average of 8.5 percent, from the third quarter of 1988

NOTE.—This article was written by Rudolph E. DePass and Howard L. Friedenberg.

to the third quarter of 1989 (table 1). Farm income rebounded from low levels during the drought of 1988, and manufacturing payrolls were strong.

In the Far West, above-average growth in total personal income (9.1 percent) reflected strength in payrolls in manufacturing, private service-type industries, and construction. Manufacturing payrolls in Washington ben-

efited from gains in aircraft production. Construction payrolls grew faster in Nevada than in any other State except Hawaii.

Other regions with below-average growth

In the Great Lakes region, total personal income grew 8.1 percent, 0.4

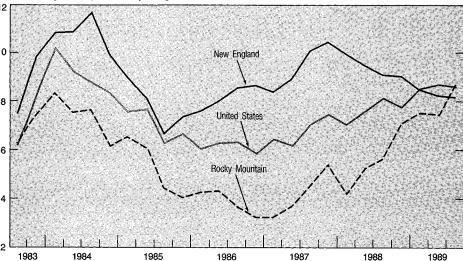
Table 1.—Percent Change in Total Personal Income and Selected Components, United States and BEA
Regions, 1988:III-1989:III

	Total	Nonfarm		Wages	and salaries (pa	ayrolls)	
	personal income	personal income	Durables manufactur- ing	Nondur. manufactur- ing	Construction	Mining	Private service-type
Plains	9.1	7.9 9.4 8.8 8.5	5.2 6.7 11.4 4.8	9.0 8.4 13.9 6.5	6.3 14.5 11.4 7.6	12.7 15.5 8.9 6.9	8.5 9.2 9.3 8.8
Mideast	8.3 8.2 8.2	8.5 8.6 8.3 8.3 7.6	2.9 5.1 4.7 4.0 3.9	6.0 6.9 4.1 5.1 4.9	8.2 3.8 -1.1 2.8 9.9	-5.4 4.7 -8.2 7.5 2.0	8.7 8.9 8.6 8.4 8.5

CHART 5

Percent Change in Total Personal Income

Percent change from quarter one year ago



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

90-1-5

percentage point below the U.S. average, from the third quarter of 1988 to the third quarter of 1989. In the Mideast region, personal income grew 8.4 percent. In both regions, weakness in durables and nondurables manufacturing payrolls dampened personal income growth. Weakness in motor vehicles production in Michigan adversely affected durables payrolls in the Great Lakes region.

In the Southwest, slow growth in payrolls in most major industries contributed to below-average personal income growth (8.2 percent). Growth in payrolls in private service-type industries was slower than in any other region.

In the Southeast, a substantial decline in rental income of persons led to below-average growth in personal income (8.3 percent). The decline

in rental income reflected damage to structures caused by Hurricane Hugo in the third quarter of 1989. South Carolina—where most of the damage occurred—was the only State with a decline in personal income over the past year. If the effects of the damage caused by the hurricane were excluded, personal income would have increased 9.4 percent in South Carolina and 8.9 percent in the Southeast.

State Personal Income: Summary Estimates, 1989: III

Table 1.—Total Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

		19	86			19	87			19	88			1989		Percent	change
State and region	I	п	ш	IV	I	II	Ш	IV	ı	п	ш	IV	I'	п,	III P	1989:II- 1989:III	1988:III- 1989:III
United States 1	3,448,615	3,507,102	3,533,294	3,587,833	3,669,103	3,723,552	3,780,493	3,891,151	3,926,738	4,005,952	4,085,272	4,194,006	4,260,250	4,352,603	4,433,078	1.8	8.5
New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont	212,164 60,494 14,519 99,728 16,552 13,899 6,972	216,288 61,716 14,873 101,563 16,922 14,148 7,067	219,954 62,575 15,179 103,512 17,159 14,346 7,183	225,885 64,438 15,573 106,277 17,608 14,636 7,354	229,966 65,628 15,930 107,776 18,185 14,940 7,506	235,570 67,334 16,363 110,223 18,713 15,239 7,699	242,048 69,034 16,784 113,352 19,354 15,636 7,887	249,500 71,103 17,304 116,755 20,152 16,057 8,130	252,937 72,063 17,553 118,585 20,329 16,203 8,203	257,926 73,125 17,962 121,009 20,791 16,627 8,412	264,104 75,017 18,426 123,686 21,318 16,967 8,690	272,001 78,006 18,885 127,091 21,924 17,279 8,815	274,370 77,535 19,622 128,131 22,218 17,695 9,168	279,259 79,333 19,864 130,209 22,572 17,963 9,317	285,733 81,454 20,180 133,385 23,020 18,293 9,402	2.3 2.7 1.6 2.4 2.0 1.8	8.2 8.6 9.5 7.8 8.0 7.8 8.2
Mideast Delaware District of Columbia Maryland New Jersey New York Pennsylvania	691,471 9,460 11,266 73,589 139,026 291,604 166,527	701,794 9,644 11,347 75,025 141,724 295,395 168,660	712,849 9,780 11,455 76,122 144,538 299,984 170,971	724,125 9,989 11,616 77,934 146,806 304,948 172,832	738,722 10,153 11,804 79,598 150,383 310,627 176,155	754,035 10,422 12,012 81,694 153,467 316,740 179,701	768,107 10,681 12,196 83,231 157,189 322,055 182,756	788,915 11,000 12,537 86,007 161,402 330,633 187,337	800,556 11,191 12,736 87,114 164,180 335,844 189,490	812,540 11,466 13,057 88,779 166,651 340,531 192,056	832,520 11,880 13,346 91,275 171,360 347,567 197,091	855,560 12,099 13,638 93,116 177,048 359,021 200,639	861,633 12,560 13,843 94,648 177,539 357,615 205,428	882,895 12,786 14,206 97,514 182,279 367,512 208,599	902,858 13,002 14,392 99,666 186,505 376,622 212,671	2.3 1.7 1.3 2.2 2.3 2.5 2.0	8.4 9.4 7.8 9.2 8.8 8.4 7.9
Great Lakes	590,160 173,852 70,995 133,645 146,645 65,024	603,259 179,802 72,863 135,740 148,385 66,470	604,347 179,065 72,413 136,482 149,581 66,806	611,973 181,286 73,575 138,168 151,223 67,721	625,527 185,747 75,675 140,488 154,647 68,970	629,951 187,056 76,127 141,741 155,582 69,446	639,781 189,894 77,226 143,644 158,276 70,741	659,295 196,959 80,347 146,936 162,047 73,005	666,833 199,798 81,608 148,511 163,644 73,272	675,537 201,584 82,166 150,237 167,084 74,466	689,574 204,893 83,709 154,704 170,418 75,849	703,942 210,186 84,216 158,285 173,393 77,862	720,309 214,292 89,328 159,991 176,698 80,000	733,019 218,348 90,154 163,461 180,013 81,043	745,333 222,360 91,689 165,919 183,448 81,917	1.7 1.8 1.7 1.5 1.9	8.1 8.5 9.5 7.2 7.6 8.0
Plains	236,511 36,190 34,301 60,802 69,320 20,468 7,668 7,762	250,416 39,609 35,740 63,610 70,278 23,340 8,972 8,867	243,598 37,648 35,568 62,745 70,723 20,987 7,815 8,112	249,095 37,512 36,793 63,961 71,650 21,560 9,073 8,546	255,833 39,797 36,771 65,865 73,379 22,340 8,928 8,754	253,760 38,094 37,089 65,649 73,872 21,783 8,605 8,667	254,089 37,750 36,894 66,627 74,723 21,473 8,125 8,496	270,583 42,760 38,608 69,911 76,908 24,304 8,784 9,309	269,728 42,082 38,256 70,652 77,204 23,281 9,005 9,248	273,566 41,548 39,434 71,385 78,983 24,214 8,839 9,162	271,387 41,111 38,965 71,754 79,912 23,017 7,909 8,719	279,085 41,465 40,625 73,434 81,660 24,166 8,486 9,248	289,511 45,251 40,628 75,934 83,374 24,969 9,428 9,927	294,744 45,590 41,631 78,101 85,147 25,036 9,295 9,945	296,471 45,273 41,874 79,154 86,317 24,722 9,245 9,887	.6 7 .6 1.3 1.4 -1.3 5 6	9.2 10.1 7.5 10.3 8.0 7.4 16.9 13.4
Southeast	715,327 45,384 25,982 167,079 80,429 41,372 51,422 25,304 76,795 37,593 56,464 87,365 20,140	722,815 45,633 25,785 169,710 81,571 41,788 50,705 25,299 78,181 38,023 57,307 88,732 20,079	732,221 46,202 26,036 172,262 83,033 42,118 50,479 25,390 79,399 38,505 58,397 90,156 20,243	743,076 46,776 26,338 175,398 84,609 42,542 50,026 25,551 80,769 39,203 59,310 92,199 20,355	762,884 47,834 27,204 180,743 86,746 43,358 50,926 26,809 82,901 40,076 61,186 94,569 20,531	775,586 48,504 27,066 185,031 88,456 44,102 50,655 26,727 84,624 40,861 62,154 96,630 20,776	789,803 49,419 27,174 188,961 90,460 44,950 51,087 26,999 86,226 41,63301 98,679 20,913	811,900 50,902 27,655 195,168 92,720 46,242 52,036 27,593 88,575 42,914 65,370 101,353 21,371	818,021 50,618 28,033 195,954 93,507 46,511 52,522 28,121 89,687 43,252 65,586 102,619 21,611	840,096 52,304 29,601 201,771 95,781 47,354 53,936 29,133 91,628 44,474 67,182 105,044 21,887	857,667 53,257 29,468 207,637 97,889 48,283 54,491 29,302 93,922 45,304 68,592 107,424 22,098	878,441 54,700 29,950 213,793 99,939 48,986 55,766 29,938 96,052 46,389 70,276 110,176 22,477	899,026 55,355 31,958 217,356 101,530 50,811 56,452 31,285 98,980 47,889 71,330 112,820 23,260	917,562 56,833 31,765 223,244 104,152 51,449 57,706 31,677 100,496 48,457 73,085 115,451 23,247	928,954 57,439 31,495 229,002 106,014 52,007 58,468 31,902 101,931 44,883 74,256 118,138 23,420	1.2 1.1 9 2.6 1.8 1.1 1.3 .7 1.4 -7.4 1.6 2.3 .7	8.3 7.9 6.9 10.3 8.3 7.7 7.3 8.9 8.5 9 8.3 10.0 6.0
Southwest Arizona New Mexico Oklahoma Texas	328,586 43,767 16,742 40,899 227,177	327,369 44,335 16,841 40,815 225,379	326,168 44,951 16,910 40,094 224,213	326,800 46,012 17,065 40,582 223,141	334,466 47,154 17,312 40,891 229,110	336,458 48,253 17,662 40,739 229,805	340,573 48,879 17,854 41,121 232,719	347,795 50,512 18,297 41,598 237,389	348,116 50,432 18,231 42,112 237,341	357,315 51,600 18,763 42,791 244,161	361,751 52,848 18,852 43,374 246,676	372,359 54,051 19,412 44,490 254,406	376,009 54,807 19,583 44,884 256,736	384,268 55,921 20,133 45,579 262,635	391,342 57,311 20,495 46,330 267,205	1.8 2.5 1.8 1.6 1.7	8.2 8.4 8.7 6.8 8.3
Rocky Mountain	94,140 49,002 10,887 9,216 18,256 6,779	95,233 49,463 11,113 9,763 18,327 6,567	94,802 49,482 11,292 9,339 18,399 6,290	96,040 49,739 11,505 10,035 18,580 6,182	97,170 50,525 11,572 10,052 18,854 6,166	98,697 51,335 11,765 9,956 19,317 6,324	99,117 51,682 11,862 9,879 19,421 6,273	101,172 53,011 11,972 9,935 19,871 6,383	101,270 52,781 12,187 10,101 19,828 6,373	103,875 54,066 12,561 10,265 20,389 6,594	104,664 54,519 12,801 10,074 20,752 6,519	108,305 56,040 13,242 10,969 21,449 6,604	108,877 56,562 13,448 10,679 21,495 6,693	111,631 57,825 13,764 10,947 22,270 6,826	113,772 58,938 13,962 11,055 22,944 6,873	1.9 1.4 1.0 3.0	8.7 8.1 9.1 9.7 10.6 5.4
Far West California Nevada Oregon Washington	555,189 441,696 14,501 34,698 64,293	564,662 449,100 14,770 35,301 65,491	573,829 456,633 15,062 35,723 66,411	584,990 464,467 15,388 36,277 68,858	598,671 476,932 15,855 36,832 69,052	613,175 489,054 16,224 37,530 70,367	620,289 494,212 16,653 38,140 71,283	634,762 505,365 17,109 38,972 73,316	641,810 510,343 17,538 39,679 74,250	657,003 522,344 18,095 40,716 75,848	674,994 537,722 18,747 41,473 77,052	694,867 553,456 19,465 42,851 79,095	700,650 556,082 19,880 43,284 81,404	717,898 569,261 20,562 44,611 83,464	736,404 584,133 21,234 45,435 85,601	2.6 2.6 3.3 1.8 2.6	9.1 8.6 13.3 9.6 11.1
Alaska Hawaii	9,863 15,204	9,829 15,436	9,781 15,744	9,800 16,047	9,551 16,313	9,703 16,618	9,686 17,001	9,779 17,450	9,750 17,718	10,013 18,081	10,059 18,551	10,202 19,245	10,463 19,402	11,238 20,089	11,603 20,609	3.2 2.6	15.3 11.1
									ensus Regi								
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central West South Central West South Central Pacific	212,164 597,157 590,160 236,511 563,715 168,524 345,480 169,150 565,755	216,288 605,779 603,259 250,416 572,312 170,028 342,684 171,178 575,158	219,954 615,493 604,347 243,598 580,954 172,107 340,823 171,725 584,293	225,885 624,587 611,973 249,095 592,072 174,179 340,087 174,505 595,450	229,966 637,166 625,527 255,833 607,122 179,187 348,131 177,490 608,681	235,570 649,907 629,951 253,760 620,505 181,487 348,265 180,835 623,271	242,048 662,000 639,781 254,089 632,981 184,668 352,101 182,504 630,322	249,500 679,372 659,295 270,583 651,645 190,108 358,678 187,089 644,882	252,937 689,514 666,833 269,728 657,671 190,837 360,008 187,471 651,740	257,926 699,238 675,537 273,566 673,887 195,974 370,489 192,333 667,002	264,104 716,018 689,574 271,387 690,776 199,434 374,010 195,111 684,857	272,001 736,707 703,942 279,085 707,679 203,900 384,612 201,232 704,849	274,370 740,582 720,309 289,511 722,886 208,781 390,030 203,146 710,634	279,259 758,390 733,019 294,744 739,553 213,044 397,685 208,247 728,663	285,733 775,797 745,333 296,471 750,448 215,604 403,498 212,812 747,381	2.3 2.3 1.7 .6 1.5 1.2 1.5 2.2	8.2 8.3 8.1 9.2 8.6 8.1 7.9 9.1

r Revised.

proprietors' income. These differences were discussed in "Regional Perspectives" in the October 1989 SURVEY OF CURRENT BUSINESS. Table 1 of that article showed the differences in recent quarters; on the basis of revised data, the differences for the first and second quarters of 1989 are \$57.5 billion and \$47.7 billion, respectively. The difference for the third quarter of 1989 is \$22.8 billion.

Note.—The quarterly estimates of State personal income were prepared by Isabelle B. Whiston, James P. Stehle, and Francis G. McFaul, under the supervision of Robert L. Brown.

Preliminary.

^{1.} The personal income level shown for the United States is derived as the sum of the State estimates and, by definition, differs from that in the national income and product accounts because it omits the earnings of Federal civilian and military personnel stationed abroad and of U.S. residents employed temporarily abroad by private U.S. firms. The State and national levels can also differ, mainly in the more current quarters, because of different data sources and revision schedules primarily for estimates of wages and salaries and of farm

SURVEY OF CURRENT BUSINESS

Table 2.—Nonfarm Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

		19	86		•	19					88			1989		Percent	change
State and region	1	11	111	IV	I	п	ш	īV	I	п	Ш	īV	·Ir	п,	III P	1989:II- 1989:III	1988:III- 1989:III
United States	3,413,781	3,450,305	3,493,553	3,542,665	3,615,576	3,678,583	3,744,045	3,836,780	3,878,142	3,954,996	4,045,673	4,150,812	4,193,564	4,293,567	4,389,160	2.2	8.5
New England Connecticut Maine	211,538 60,342 14,447 99,495 16,517 13,855 6,881	215,596 61,548 14,795 101,308 16,883 14,097 6,965	219,182 62,393 15,086 103,243 17,115 14,294 7,050	225,116 64,255 15,483 105,998 17,563 14,583 7,234	229,266 65,461 15,786 107,614 18,127 14,899 7,378	234,827 67,156 16,217 110,052 18,650 15,195 7,557	241,331 68,866 16,641 113,192 19,288 15,594 7,749	248,799 70,934 17,162 116,598 20,091 16,015 8,000	252,308 71,916 17,438 118,420 20,275 16,166 8,094	257,232 72,958 17,841 120,828 20,729 16,583 8,292	263,244 74,814 18,265 123,466 21,241 16,912 8,546	271,179 77,811 18,726 126,886 21,852 17,227 8,677	273,464 77,315 19,458 127,885 22,144 17,642 9,021	278,440 79,140 19,705 129,999 22,502 17,913 9,180	284,974 81,284 20,025 133,198 22,952 18,249 9,267	2.3 2.7 1.6 2.5 2.0 1.9	8.3 8.6 9.6 7.9 8.1 7.9 8.4
Mideast Delaware District of Columbia Maryland New Jersey New York Pennsylvania	689,467	699,315	710,229	721,687	736,219	751,364	765,687	786,247	798,276	810,123	829,782	852,837	858,498	879,869	900,288	2.3	8.5
	9,320	9,461	9,609	9,815	10,017	10,286	10,562	10,860	11,040	11,287	11,643	11,855	12,303	12,530	12,816	2.3	10.1
	11,266	11,347	11,455	11,616	11,804	12,012	12,196	12,537	12,736	13,057	13,346	13,638	13,843	14,206	14,392	1.3	7.8
	73,282	74,617	75,754	77,558	79,234	81,329	82,912	85,616	86,776	88,402	90,847	92,674	94,169	97,050	99,275	2.3	9.3
	138,788	141,446	144,258	146,529	150,064	153,122	156,871	161,070	163,890	166,330	170,992	176,675	177,120	181,894	186,195	2.4	8.9
	291,075	294,716	299,284	304,276	309,922	315,980	321,347	329,855	335,177	339,879	346,861	358,317	356,851	366,728	375,919	2.5	8.4
	165,737	167,728	169,869	171,894	175,177	178,635	181,799	186,309	188,657	191,168	196,092	199,678	204,212	207,461	211,692	2.0	8.0
Great Lakes	586,608	593,258	599,661	606,907	618,926	625,278	636,631	650,172	658,317	669,539	686,745	702,719	709,982	724,057	738,735	2.0	7.6
	173,074	175,951	178,112	180,102	183,843	186,051	189,625	193,762	196,813	199,683	204,741	210,467	211,031	215,811	220,613	2.2	7.8
	70,518	71,000	71,781	72,823	74,431	75,387	76,913	79,097	79,611	81,115	83,326	85,163	87,193	88,350	90,139	2.0	8.2
	133,194	134,777	135,817	137,529	139,744	141,186	143,143	145,776	147,701	149,548	154,271	157,725	158,996	162,480	165,209	1.7	7.1
	146,066	147,067	148,811	150,422	153,706	154,765	157,725	160,726	162,414	166,125	169,812	173,114	175,302	178,644	182,409	2.1	7.4
	63,755	64,463	65,140	66,032	67,202	67,889	69,225	70,811	71,778	73,069	74,595	76,251	77,460	78,772	80,364	2.0	7.7
Plains	230,675	232,544	235,265	237,951	242,590	245,333	248,826	254,399	256,958	262,454	266,880	273,014	275,567	282,394	288,003	2.0	7.9
	34,636	34,861	35,175	35,359	36,085	36,612	37,041	38,072	38,319	39,200	40,028	40,998	41,338	42,237	42,916	1.6	7.2
	33,549	33,692	34,023	34,618	34,958	35,512	35,997	36,717	36,870	37,731	38,185	39,025	39,520	40,388	41,213	2.0	7.9
	59,587	60,294	61,188	61,880	63,552	64,201	65,315	66,889	68,032	69,473	70,679	72,735	72,832	75,357	77,138	2.4	9.1
	68,694	69,184	70,010	70,951	72,399	73,161	74,120	75,665	76,273	77,990	79,452	80,842	82,140	83,982	85,608	1.9	7.7
	19,365	19,528	19,719	19,868	20,118	20,290	20,611	21,054	21,312	21,633	21,951	22,507	22,685	23,085	23,514	1.9	7.1
	7,529	7,578	7,627	7,680	7,759	7,793	7,862	7,945	8,020	8,090	8,177	8,292	8,347	8,449	8,588	1.6	5.0
	7,315	7,407	7,522	7,595	7,721	7,764	7,880	8,057	8,132	8,337	8,407	8,615	8,705	8,897	9,026	1.5	7.4
Southeast	705,898 44,627 24,578 164,937 79,380 40,754 50,839 24,635 75,609 37,417 56,010 87,018 20,095	713,392 44,934 24,770 167,459 80,434 40,925 50,344 24,747 76,803 37,827 56,844 88,286 20,020	723,387 45,498 25,088 169,995 81,931 41,350 50,221 24,994 78,090 38,345 57,957 89,738 20,180	733,909 46,007 25,381 173,038 83,441 41,752 49,786 25,154 79,357 39,033 58,905 91,752 20,302	750,977 46,928 25,578 178,509 85,501 42,585 50,078 25,660 81,295 39,759 60,518 94,072 20,493	764,780 47,693 25,964 182,593 87,237 43,172 50,302 25,947 83,003 40,548 61,528 96,063 20,731	780,203 48,685 26,302 186,685 89,400 44,028 50,790 26,418 84,744 41,371 62,726 98,181 20,870	801,858 50,152 26,843 192,931 91,562 45,223 51,741 27,043 86,937 42,595 64,725 100,768 21,337	807,495 49,779 27,058 193,795 92,391 45,613 51,919 27,172 88,255 42,937 64,920 102,101 21,555	826,566 51,292 27,613 199,088 94,525 46,358 52,974 27,938 89,936 44,097 66,436 104,486 21,822	844,608 52,084 28,008 204,949 96,463 47,269 53,795 28,393 91,979 44,989 67,849 106,802 22,029	864,600 53,427 28,438 211,315 98,344 48,013 54,891 28,832 94,064 45,972 69,357 109,543 22,405	880,112 53,837 28,931 213,907 99,799 49,394 54,972 29,475 96,783 47,452 70,244 112,131 23,187	901,447 55,517 29,481 220,264 102,419 50,249 56,692 30,244 98,399 48,060 72,178 114,773 23,172	917,655 56,492 30,158 226,317 104,814 51,019 57,869 30,770 100,240 45,429 73,613 117,594 23,339	1.8 1.8 2.3 2.7 2.3 1.5 2.1 1.7 1.9 -5.5 2.0 2.5	8.6 8.5 7.7 10.4 8.7 7.9 7.6 8.4 9.0 1.0 8.5 10.1 6.0
Southwest	324,031	322,321	322,327	322,433	327,534	330,979	336,130	343,218	343,525	351,083	357,335	366,132	368,896	378,346	387,131	2.3	8.3
	43,241	43,827	44,434	45,551	46,470	47,645	48,377	50,000	49,902	50,912	52,317	53,483	54,072	55,341	56,833	2.7	8.6
	16,532	16,547	16,647	16,799	17,013	17,319	17,606	18,034	17,972	18,479	18,599	19,068	19,256	19,859	20,273	2.1	9.0
	40,160	39,570	39,255	39,161	39,502	39,741	40,261	40,758	41,029	41,821	42,398	43,225	43,681	44,554	45,562	2.3	7.5
	224,098	222,377	221,991	220,923	224,550	226,274	229,886	234,426	234,621	239,871	244,022	250,357	251,888	258,591	264,462	2.3	8.4
Rocky Mountain	93,232	93,001	93,227	93,618	94,995	96,316	97,285	99,326	99,572	101,709	103,145	105,654	106,942	109,634	112,238	2.4	8.8
	48,589	48,552	48,824	49,035	49,867	50,528	51,136	52,204	52,260	53,204	53,982	55,184	55,967	57,174	58,439	2.2	8.3
	10,571	10,610	10,686	10,730	10,917	11,035	11,165	11,437	11,577	11,881	12,099	12,394	12,641	12,965	13,331	2.8	10.2
	9,171	9,203	9,230	9,291	9,416	9,468	9,528	9,682	9,777	10,009	10,091	10,379	10,441	10,720	10,923	1.9	8.2
	18,149	18,172	18,234	18,432	18,692	19,103	19,248	19,693	19,677	20,186	20,554	21,223	21,308	22,073	22,772	3.2	10.8
	6,753	6,465	6,253	6,130	6,102	6,181	6,209	6,309	6,282	6,430	6,420	6,473	6,585	6,702	6,773	1.1	5.5
Far West	547,566	555,931	565,084	575,527	589,471	603,665	611,546	625,808	634,483	648,469	665,632	685,533	690,545	708,352	728,206	2.8	9,4
	435,777	442,699	450,084	457,774	470,194	482,173	487,707	498,561	505,001	516,047	530,850	546,816	548,561	562,168	578,081	2.8	8,9
	14,472	14,734	15,030	15,354	15,816	16,173	16,609	17,067	17,499	18,045	18,698	19,411	19,829	20,514	21,190	3.3	13,3
	34,079	34,514	34,920	35,313	35,976	36,553	37,297	38,131	38,861	39,798	40,418	41,752	42,223	43,568	44,523	2.2	10,2
	63,237	63,983	65,050	67,086	67,486	68,766	69,933	72,049	73,122	74,579	75,666	77,553	79,932	82,102	84,412	2.8	11,6
Alaska	9,850	9,814	9,764	9,785	9,540	9,690	9,666	9,767	9,742	10,004	10,046	10,187	10,453	11,228	11,592	3.2	15.4
Hawaii	14,917	15,132	15,427	15,732	16,059	16,351	16,740	17,186	17,467	17,817	18,257	18,956	19,103	19,800	20,338	2.7	11.4
: !		ł	1	T			1	(Census Regi	ons				T			
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central West South Central Mountain Pacific	211,538 595,599 586,608 230,675 558,323 166,026 339,675 167,476 557,861	232,544 566,253 167,449 337,062	613,411 599,661 235,265 575,096 169,799 336,555 169,338	585,911 171,819 335,250 171,322	229,266 635,163 618,926 242,590 600,684 175,692 339,708 174,293 599,254	234,827 647,736 625,278 245,333 613,802 178,339 342,281 177,453 613,534	636,631 248,826	248,799 677,233 650,172 254,399 645,144 187,143 353,768 184,426 635,694	252,308 687,724 658,317 256,958 651,586 187,484 354,628 184,945 644,193	666,701 192,024 362,280 189,145	686,745 266,880 683,046 195,595 368,223 192,759	271,179 734,670 702,719 273,014 699,810 199,628 376,911 197,615 695,266	709,982 275,567 713,574 202,950 379,472 200,098	208,188 389,318 205,349	773,805 738,735 288,003 744,217 211,894 398,051	2.3 2.3 2.0 2.0 1.8 1.8 2.2 2.5 2.8	8.3 8,4 7.6 7.9 9.0 8.3 8.1 9.2 9.4

Revised.

Data Availability

Quarterly estimates for the years 1969–85 are available from the Regional Economic Information System, BE–55, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230; or call (202) 523–0966.

P Preliminary.
 Note.—Nonfarm personal income is total personal income less farm earnings.

Accounting for Regional Differences in Per Capita Personal Income Growth: An Update and Extension

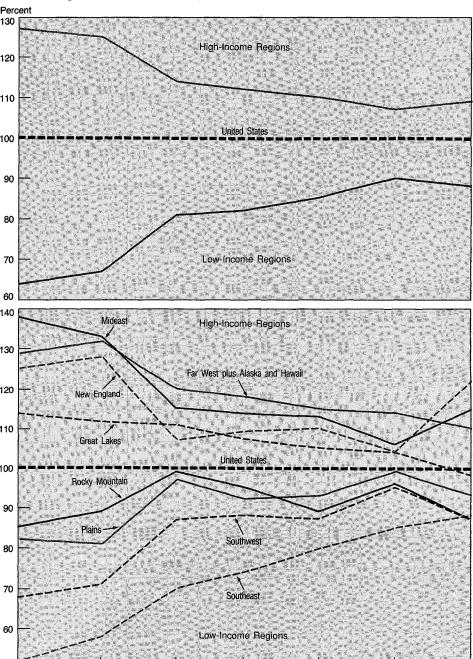
 ${f A}$ FTER five decades of narrowing, regional differences in per capita personal income (PCPI) as a percent of the national average widened in the 1980's. From 1929 to 1979, PCPI in-Percent creased from 64 to 90 percent of the 130 national average in the low-income regions (Southeast, Southwest, Plains, 120 and Rocky Mountain) and declined from 127 to 107 percent in the high-income regions (Mideast, Far West, 110 New England, and Great Lakes). From 1979 to 1988, the low-income regions slipped back to 88 percent of the na- 100 tional average, and the high-income regions rose to 109 percent (chart 6 and tables 1 and 2).

This article updates and extends the analytical measures that had been used to account for regional differences in PCPI growth in the Survey of Current Business in 1982. It explores the variations over time in factors of production, factor returns, and transfer payments and in the rates of change in income and population. It concludes that the percentage-point shift in the 1980's, although small, was the product of divergent regional changes that 130 were highly significant.

The article first presents an overview and then analyzes the components of ¹²⁰ PCPI change in the three following sections. The first of these sections describes the methodology of decomposing PCPI change into industry mix,

Note.—Duane Hackmann implemented the methodology and designed and prepared the tables. Bruce Levine prepared special estimates of the numbers of sole proprietors and general partners. Frank de Leeuw advised on the methodology. Wallace Bailey, Richard Beemiller, Frank de Leeuw, Rudolph DePass, Howard Friedenberg, Kenneth Johnson, Hugh Knox, John Kort, Thomas Lienesch, and Vernon Renshaw—all of the Bureau of Economic Analysis—and Edward Denison of the Brookings Institution and Monroe Newman of the Appalachian Regional Commission made insightful comments and editorial contributions.





1940

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

1950

1959

1969

1979

1988

^{1.} Daniel H. Garnick and Howard L. Friedenberg, "Accounting for Regional Differences in Per Capita Personal Income Growth, 1929-79," SURVEY OF CURRENT BUSINESS 62 (September 1982): 24-34.

Table 1.—Per Capita Personal Income, Selected Years 1929-88, for the United States and BEA Regions

				Dollars					Pe	rcent	of U.S	avera	ge	
	1929	1940	1950	1959	1969	1979	1988	1929	1940	1950	1959	1969	1979	1988
United States	692	587	1,498	2,195	3,808	9,033	16,489	100	100	100	100	100	100	100
Low-income regions Southeast Southwest Plains Rocky Mountain	363 468	394 338 414 475 523	1,207 1,041 1,307 1,453 1,485	1,800 1,633 1,923 2,026 2,091	3,221 3,047 3,312 3,543 3,393	8,167 7,676 8,617 8,924 8,658	14,583 14,462 14,350 15,398 14,363	64 52 68 82 85	67 58 71 81 89	81 70 87 97 99	82 74 88 92 95	85 80 87 93 89	90 85 95 99 96	88 88 87 93 87
High-income regions	957 890 864	731 780 772 749 655	1,704 1,730 1,810 1,801 1,599 1,659	2,462 2,503 2,617 2,601 2,398 2,356	4,202 4,298 4,363 4,367 4,187 3,996	9,684 9,584 10,321 10,325 9,375 9,383	18,002 18,959 18,138 18,111 20,191 16,239	127 138 129 125 114	125 133 132 128 112	114 115 121 120 107 111	112 114 119 118 109 107	110 113 115 115 110 105	107 106 114 114 104 104	109 115 110 110 122 98

^{1.} Data for Alaska and Hawaii are not available for years prior to 1950.

Table 2.—Per Capita Personal Income, Selected Years 1929–88, for the United States,
BEA Regions, and States

	<u> </u>			Dollars					Pe	rcent	of U.S.	avera	ge	
	1929	1940	1950	1959	1969	1979	1988	1929	1940	1950	1959	1969	1979	1988
United States	692	587	1,498	2,195	3,808	9,033	16,489	100	100	100	100	100	100	100
New England	864	749	1,599	2,398	4,187	9,375	20,191	125	128	107	109	110	104	122
Connecticut	1,014	907	1,868	2,815	4,795	10,721	23,059	147	155	125	128	126	119	140
Maine	596 898	521	1,190	1,834	3,129 4,234	7,354	15,106	86	89	79	84	82	81	92
Massachusetts New Hampshire	679	772 573	1,639 1,341	2,413 2,118	3,733	9,445 8,716	20,816 19,434	130 98	132 98	109 90	110 96	111 98	105 96	126 118
Rhode Island	866	740	1,539	2,166	3,805	8,445	16,892	125	126	103	99	100	93	102
Vermont	627	509	1,163	1,815	3,367	7,786	15,302	91	87	78	83	88	86	93
Mideast	957	780	1,730	2,503	4,298	9,584	18,959	138	133	115	114	113	106	115
Delaware	1,024 1,248	1,015 1,152	2,033 2,170	2,705 2,778	4,379 4,526	9,187 11,337	17,661 21,389	148 180	173 196	136 145	123 127	115 119	102 126	107 130
Maryland	756	698	1,611	2,292	4,152	9,663	19,487	109	119	108	104	109	107	118
New Jersey	908	809	1,786	2,641	4,495	10,273	21,994	131	138	119	120	118	114	133
New York	1,140	859	1,834	2.663	4,574	9,623	19,305	165	146	122	121	120	107	117
Pennsylvania	765	644	1,540	2,222	3,784	8,995	16,233	111	110	103	101	99	100	98
Great Lakes	787 938	655 741	1,659	2,356	3,996 4,336	9,383	16,239	114 136	112	111 121	107	105	104	98 107
Indiana	602	545	1,819 1,520	2,627 2,123	3,679	10,089 8,690	17,575 14,924	87	126 93	101	120	114 97	112 96	91
Michigan	781	672	1,694	2,303	4,055	9,575	16,552	113	115	113	105	106	106	100
Ohio	763	650	1,596	2,293	3,879	8,958	15,536	110	111	107	104	102	99	94
Wisconsin	667	540	1,493	2,200	3,672	9,072	15,524	96	92	100	100	96	100	94
Plains	566	475	1,453	2,026	3,543	8,924	15,398	82	81	97	92	93	99	93
Iowa	574	494	1,530	2,012	3,595	9,091	14,662	83	84	102	92	94	101	89
Kansas	525	418	1,463	2,104	3,518 3,731	9,285	15,759	76	71	98	96	92	103	96
Minnesota	593	518	1,430	2,046	3,731	9,226	16,674	86	88	95	93	98	102	101
Missouri Nebraska	616 588	513 435	1,420 1,556	2,108 2,017	3,529 3,543	8,619 8,854	15,452 14,774	89	87 74	95 104	96 92	93 93	95 98	94
North Dakota	378	351	1,367	1,672	2,993	8,378	12,833	85 55	60	91	76	79	93	78
South Dakota	421	358	1,286	1,555	2,948	8,062	12,755	61	61	86	71	77	89	94 90 78 77
Southeast	363	338	1,041	1,633	3,047	7,676	14,462	52	58	70	74	80	85	88
Alabama	320	278	910	1,510	2,725	7,064	12,851	46	47	61	69	72	78	78 74
Arkansas	306	256	853	1,407	2,600	6,946	12,219	44	44	57	64	68	77	74
Florida	511	513	1,293	1,997	3,601	8,718	16,603	74 49	87	86	91	95	97	101
Georgia Kentucky	342 389	332 316	1,063 988	1,648 1,590	3,148 2,926	7,610 7,386	15,260 12,822	56	57 54	71 66	75 72	83 77	84 82	93 78
Louisiana	408	357	1,112	1,680	2,874	7,668	12,292	59	61	74	77	75	85	75
Mississippi	282	212	774	1,238	2,368	6,440	11,116	41	36	52	56	62	85 71	67
North Carolina	328	320	1,074	1,570	3,005	7,297	14,304	47	54	52 72 62	56 71	79	81 76	87 78
South Carolina	268	304	925	1,381	2,780	6,889	12,926	39	52	62	63	73	76	78
Tennessee	374	336	1,025	1,587	2,935	7,392	13,873	54	57	68	72	77	82	84
Virginia	428 456	459 403	1,242	1,866 1,595	3,521 2,764	8,713 7,222	17,675 11,735	62 66	78 69	83 70	85 73	92 73	96 80	107 71
Southwest	468	414	1,307	1,923	3,312	8,617	14,350	68	71	87	88	87	95	87
Arizona	592	498	1,362	1,962	3,436	8,318	14,970	86	85	91	89	90	92	91
New Mexico	406	372	1,201	1,878	2,888	7.461	12,488	59	63	80	86	76	83	76
Oklahoma,	448	368	1,142	1,849	3,169	8,370	13,323	65	63	76	84	83	93	81
Texas	471	427	1,359	1,940	3,364	8,834	14,586	68	73	91	88	88	98	88
Rocky Mountain	587	523	1,485	2,091	3,393	8,658	14,363	85	89	99	95	89	96	87
Colorado	628	540	1,512	2,250	3,673	9,451	16,463	91	92	101	102	96	105	100
Idaho	503	458	1,329	1,878	3,197	7,816	12,665	73	78	89	86	84	87	77
Montana	587	563	1,651	2,007	3,208	8,146	12,866	85	96	110	91	84	90	78
Utah Wyoming	547 667	476 594	1,332 1,703	1,944 2,262	3,026 3,525	7,407 10,207	12,193 13,609	79 96	81 101	89 114	89 103	79 93	82 113	74 83
Far West	890	772	1,810	2,617	4,363	10,321	18,138	129	132	121	119	115	114	110
California	973	828	1,853	2,705	4,485	10,526	18,753	141	141	124	123	118	117	114
Nevada	855	880	1,971	2,714	4,475	10,481	17,511	124	150	132	124	118	116	100
Oregon	662	603	1,649	2,229	3,649	9,176	14,885	96	103	110	102	96	102	90
Washington	733	649	1,710	2,365	4,066	9,840	16,473	106	111	114	108	107	109	100
Alaska ¹			2,301	2,441	4,642	12,582	19,079	ļ	ļ	154	111	122	139	110
Hawaii '			1,384	2,116	4,411	9,506	16,753	ļ	ļ	92	96	116	105	102
Far West plus AK and HI 1			1,801	2,601	4,367	10,325	18,111	ļ	ļ	120	118	115	114	110
	<u> </u>									<u></u>				<u></u>

^{1.} Data for Alaska and Hawaii are not available for years prior to 1950.

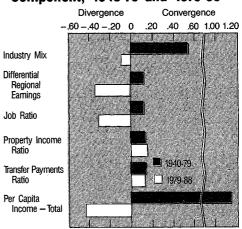
differential regional earnings, job ratio, working-age ratio, property income ratio, and transfer payments ratio. The second compares the regional patterns of these six components in the 1970's and 1980's. The third describes the methodology of decomposing PCPI change into components capturing the "lift" effect of income and the "drag" effect of population, and it reviews the effects for six timespans in 1929–88.

Overview

In the earlier article, PCPI was decomposed into components, and their statistical contributions to the narrowing of regional relative differences were estimated. In 1940-79, more uniform regional industrial composition of jobs (industry mix) accounted for about one-half of the narrowing of regional relative differences in PCPI growth. Reduced differential regional earnings (after adjusting for regional industry mix) accounted for about onetenth, and more uniform regional ratios of jobs to working-age population (job ratio) accounted for another onetenth. The residual one-fourth was about equally accounted for by more uniform regional distributions of personal dividend, interest, and rental income (property income) per capita and of transfer payments per capita.

CHART 7

Percentage-Point Differences From National Average Annual Change in Per Capita Personal Income for Highand Low-Income Regions by Detailed Component, 1940-79 and 1979-88



Note.—Each bar in the chart is the result of subtracting a component for the high-income regions from the corresponding component for the low-income regions. Convergence occurs when the result of the subtraction is positive, and divergence occurs when the result is negative. The underlying data are in table 6.

In the 1980's, the widening of regional relative differences in PCPI growth was more than accounted for by the three components of job-related income: Differential regional earnings accounted for about one-half, the job ratio for about four-tenths, and industry mix for one-eighth of the three-component total. More uniform regional distributions of property income per capita and of transfer payments per capita partly offset the components contributing to regional divergence in the 1980's (chart 7).

New England and the Mideast more than accounted for the relative PCPI gain in high-income regions in the 1980's. In these regions, there were relative gains in each of the three components related to job income. The Southwest, Rocky Mountain, and Plains regions more than accounted for the relative PCPI loss in low-income regions. In these regions, there were relative losses in each of the three components (chart 8).

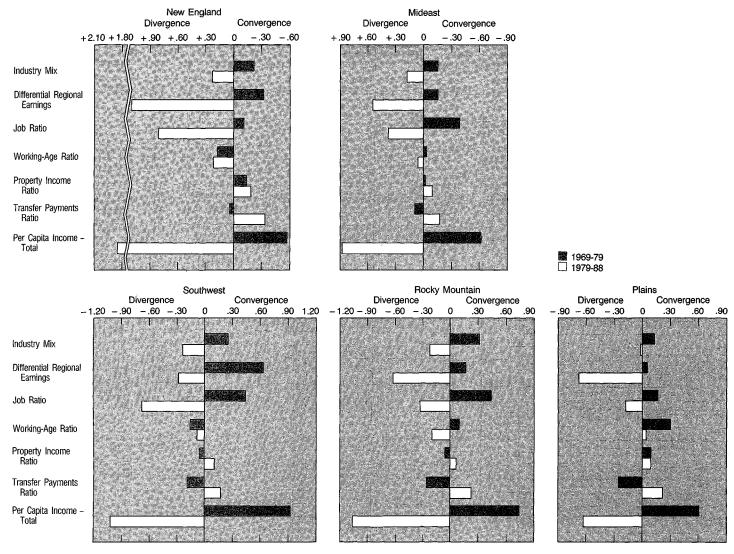
In the last section of this article, further analysis demonstrates that regional population growth rates in the 1980's reinforced the divergence of regional PCPI growth. In the Southwest and Rocky Mountain regions, popula-

tion growth rates were 198 percent and 133 percent, respectively, of the national average; in the Mideast and New England, the rates were only 31 percent and 55 percent, respectively.

It has been an article of some faith (and some empirical analysis) that working-age population flows and job creation move in parallel, reflecting competitive forces, the only question being whether working-age population moves to the locus of jobs or jobs to the locus of working-age population. In Hicks' theory of wages, regional convergence would result from (1) inmigration to high-wage areas

CHART 8

Percentage-Point Differences From National Average Annual Change in Per Capita Personal Income for Selected Regions by Detailed Component 1969-79 and 1979-88



Note 1.—For high-income regions, divergence (convergence) occurs when the average annual change is larger (smaller) than for the Nation. For low-income regions, divergence (convergence) occurs when the average annual change is smaller (larger) than for the Nation.

Note 2.—In contrast with chart 7, this chart shows an additional component—working-age ratio. The working-age ratio was significant in individual BEA regions but not in the totals for high-income and low-income regions.

putting downward pressure on wage rates and (2) outmigration from low-wage areas depleting the labor reserves and putting upward pressure on wage rates.² In a 1960 study, Borts found that migration flows from low-to high-wage regions in the United States had occurred in 1919–53 but that the flows had not been large enough to result in substantial wage-rate convergence. He concluded that continued migration in the "right direction" was a necessary condition for convergence.³

In the earlier article, the 1929-79 period was broken into subperiods, of which the 1940's and the 1970's were the only decades in which the reduction in differential regional earnings contributed to regional PCPI convergence. The direction of migration was "right" in the 1940's but not in the 1970's, when, apart from the Far West, very large working-age population flows were from high- to lowincome regions. (The reduction in differential regional earnings in the 1970's coincided, to a degree, with regional convergence in relative costs of living. The rising cost of living in lowincome regions might have been expected to slow inmigration, but it did not.4)

In the 1980's, population flows continued in the "wrong" direction for the most part, despite differential regional earnings well above and unemployment rates well below the national average in New England and the Mideast.⁵ (Regional costs of living diverged as well, reflecting sharply divergent relative housing costs.)

The Hicks-Borts proposition regarding the direction of labor force migration and the regional equalization

the high-income, slow-growing regions. Regional costs of living and wage-rate differentials are not independent because wages account for a large fraction of the costs of production of housing and services, which are consumed mainly in the vicinity of their production.

5. Intercensal estimates of regional population growth are subject to substantial revision after decennial population censuses. Any revision after the 1990 census, therefore, would also entail revisions of current estimates of regional labor force and unemployment rates and, of course, net migration rates.

Table 3.—Per Capita Personal Income by Component, Selected Years 1929-88, for the United States and BEA Regions

			•											
	1000	1010	1050	Dollars 1959	1000	1000	1988	1929	1040		t of U.S. a		1070	1000
	1929	1940	1950	1959	1969	1979	1988	1929	1940	1950	1959	1969	1979	1988
United States Per capita personal income	692 414 4 50 68 144 12	587 377 5 33 62 91 24 5	1,498 965 24 89 166 172 100 19	2,195 1,458 60 58 232 278 155 45 -1	3,808 2,544 141 71 321 505 355 129 -1	9,033 5,555 546 132 713 1,226 1,222 359 -2	16,489 9,847 931 149 1,172 2,803 2,380 790 -2	100 100 100 100 100 100 100	100 100 100 100 100 100 100	100 100 100 100 100 100 100	100 100 100 100 100 100 100	100 100 100 100 100 100 100 100	100 100 100 100 100 100 100	100 100 100 100 100 100 100
Low-income regions														
Per capita personal income	444 243 2 78 48 64 9	394 232 3 51 47 48 16 3	1,207 690 16 144 149 130 90 14	1,800 1,126 43 91 211 227 135 36	3,221 2,095 108 111 300 398 310 109	8,167 4,934 470 186 709 1,077 1,095 314	14,583 8,479 798 224 1,064 2,494 2,164 659	64 59 57 156 70 44 73 61	67 62 57 154 76 52 66 59	81 71 67 161 89 75 89 75	82 77 71 157 91 81 87 80	85 82 76 157 93 79 87 85	90 89 86 140 99 88 90 87	88 86 86 150 91 89 91 83
Southeast: Per capita personal income	363 202 2 67 36 49 7	338 210 2 40 38 38 12 3 0	1,041 622 15 100 123 101 87 13	1,633 1,043 38 74 184 184 129 32	3,047 2,032 103 76 256 356 304 104 26	7,676 4,636 437 121 603 986 1,141 289 42	14,462 8,401 782 184 979 2,438 2,247 637 68	52 49 43 134 53 34 59 54	58 56 46 122 61 42 51 53	70 65 61 112 74 59 87 70	74 72 64 128 79 66 83 72	80 80 73 107 80 70 86 81	85 83 80 92 85 80 93 80	88 85 84 123 84 87 94
Southwest: Per capita personal income	249 3 78 57 74 8	414 234 3 53 56 56 15 3 0	1,307 769 18 116 183 144 94 15	1,923 1,218 51 79 234 260 127 38 -7	3,312 2,163 116 71 356 416 303 110 -2	8,617 5,327 527 145 856 1,095 1,007 334 -6	14,350 8,487 818 182 1,137 2,401 1,977 642 -11	68 60 68 155 84 51 65 62	71 62 69 158 90 62 64 58	87 80 73 130 110 84 94 78	88 84 85 136 101 94 81	87 85 82 100 111 82 85 85	95 96 97 110 120 89 82 93	87 86 88 122 97 86 83 81
Plains: Per capita personal income	302 3 102 64 83 13	475 265 3 71 59 60 21	1,453 753 17 262 174 176 88 15	2,026 1,202 46 143 246 287 151 40	3,543 2,179 116 238 350 474 332 119 -26	8,924 5,194 503 455 785 1,301 1,102 352 -63	15,398 8,755 841 423 1,196 2,841 2,206 756 -108	82 73 70 203 94 58 104 70	81 70 64 213 94 66 88 66	97 78 72 293 104 102 88 78	92 82 77 247 106 103 97 89	93 86 82 335 109 94 93 92	99 94 92 344 110 106 90 98	93 89 90 284 102 101 93 96
Rocky Mountain: Per capita personal income	587 355 4 72 60 85	523 306 5 64 62 60 29 4	1,485 828 18 185 187 177 108 18	2,091 1,297 43 97 256 282 159 42 -1	3,393 2,153 98 139 347 455 319 119 2	8,658 5,376 464 120 895 1,160 989 351	14,363 8,408 757 211 1,172 2,424 2,039 655 8	85 86 100 143 88 59 98	89 81 97 194 99 67 124 80	99 86 75 207 112 103 108 97	95 89 71 168 110 101 102 95	89 85 69 196 108 90 90	96 97 85 91 126 95 81 98	87 85 81 141 100 86 86 83

See footnote at end of table.

^{2.} J.R. Hicks, The Theory of Wages (London: Macmillan, 1932).

^{3.} G.H. Borts, "The Equalization of Returns and Regional Economic Growth," American Economic Review L (June 1960): 319–47. Whereas Hicks specifically referred to real wage-rate differentials, Borts utilized available statistical measures, which were prepared in nominal terms.

^{4.} In particular, housing costs increased more in the 1970's in the low-income, fast-growing regions than in

of factor returns appears to have become less and less descriptive since mid-century. The agricultural revolution and the subsequent industrial and geographic reallocation of farm labor reserves had particular force in low-income regions in the 1940's, but progressively diminished thereafter. Technological change in other industries has, in general, permitted them to be more footloose and to locate in closer correspondence with the dominant long-term population migration trends. The resulting greater regional dispersion of industry in recent decades is reflected in the decreasing importance of industry mix in explaining regional PCPI change.

The industry-mix contribution in the 1980's reflected, in part, a reversal of unsustainable developments in the

1970's, particularly developments affecting factor returns in the oil and gas and related industries. The relatively large contributions of differential regional earnings and of the job ratio to the high-income regions in the 1980's may, in turn, be unsustainable and subject to reversal; that is what the competitive model would suggest. However, the existence of external economies connected with particular locations—suggested by the fact

that New England and Mideast experienced divergent differential regional earnings in the 1950's and 1960's as well as in the 1980's—and inertia in regional population migration patterns may militate against the smooth working of the competitive model.

Per Capita Personal Income Components and Their Contributions

Table 3 shows PCPI by type of payment for 1929, 1940, 1950, 1959, 1969, 1979, and 1988.⁷ Payment types have

Table 3.—Per Capita Personal Income by Component, Selected Years 1929-88, for the United States and BEA Regions—Continued

				Dollars						Percen	t of U.S. a	verage		
	1929	1940	1950	1959	1969	1979	1988	1929	1940	1950	1959	1969	1979	1988
High-income regions		·					ļ							
Per capita personal income Wages and salaries Other labor income	877 541 6 29 83 204 15 1	731 485 6 20 74 123 30 7 0	1,704 1,159 30 51 179 202 108 22 -2	2,462 1,682 72 36 246 313 169 51	4,202 2,846 164 44 335 578 385 143 -7	9,684 6,022 604 92 716 1,337 1,318 393 -11	18,002 10,932 1,036 89 1,257 3,048 2,551 894 -18	127 131 132 58 122 142 120 129	125 129 132 60 118 136 126 131	114 120 124 57 108 117 107 118	112 115 120 61 106 113 109 114	110 112 116 62 104 114 108 110	107 108 111 70 100 109 108 109	109 111 111 60 107 109 107 113
Mideast: Per capita personal income	579 6 15 91	780 516 7 10 77 147 31 7	1,730 1,211 31 24 171 209 115 24 -7	2,503 1,746 75 18 236 324 178 54 -20	4,298 2,935 162 21 339 615 416 146 -44	9,584 5,980 583 30 665 1,368 1,458 401 -99	18,959 11,674 1,043 43 1,288 3,282 2,807 996 -182	138 140 146 29 133 175 125 172	133 137 150 29 123 162 129 149	115 126 129 26 103 121 115 126	114 120 125 30 102 116 114 120	113 115 115 30 105 122 117 113	106 108 107 23 93 112 119 112	115 119 112 29 110 117 118 126
Far West: Per capita personal income	890 515 6 50 102 202 16 1 0	772 477 7 36 99 122 40 8 0	1,810 1,120 24 78 254 222 136 25	2,617 1,715 60 57 308 357 181 58 -3	4,363 2,867 149 57 398 609 439 154 -2	10,321 6,234 580 136 944 1,481 1,346 402 2	18,138 10,863 1,019 167 1,441 3,046 2,451 854 5	129 124 145 101 149 140 126 123	132 127 140 108 158 134 168 157	121 116 98 88 152 129 136 131	119 118 100 99 133 128 116 129	115 113 106 80 124 121 124 119	114 112 106 103 132 121 110 112	110 110 110 112 123 109 103 108
Far West plus AK and HI: 1 Per capita personal income			1,801 1,126 24 76 249 218 134 25	2,601 1,715 60 56 303 352 178 57 -4	4,367 2,889 148 56 394 605 433 155 -3	10,325 6,279 579 133 942 1,468 1,337 406 -7	18,111 10,882 1,019 163 1,444 3,018 2,450 858 -7			120 117 99 85 149 127 133 131	118 118 99 96 131 126 114 128	115 114 105 79 123 120 122 120	114 113 106 101 132 120 109 113	110 111 109 109 123 108 103 109
New England: Per capita personal income Wages and salaries Other labor income Farm proprietors' income Nonfarm proprietors' income Personal dividend, interest, and rental income Transfer payments Less: Personal contributions for social insurance. Plus: Residence adjustment	864 542 57 76 211 15 1	749 491 5 10 66 152 31 6	1,599 1,085 28 23 152 214 110 20 7	2,398 1,605 67 16 221 323 181 45	4,187 2,721 155 17 310 650 395 132 70	9,375 5,642 558 28 666 1,371 1,324 350 137	20,191 12,258 1,175 43 1,368 3,493 2,525 944 273	125 131 105 33 112 146 118 114	128 130 109 29 106 167 129 120	107 112 118 26 91 124 109 105	109 110 112 27 95 116 116 102	110 107 110 24 96 129 111 102	104 102 102 21 93 112 108 98	122 124 126 29 117 125 106
Great Lakes: Per capita personal income	506 5 43 71	655 451 6 29 63 87 25 5	1,659 1,141 32 77 161 183 86 20 -1	2,356 1,616 77 49 230 277 152 45	3,996 2,760 178 68 301 499 317 134	9,383 5,980 656 143 609 1,195 1,157 387 30	16,239 9,804 1,001 85 1,021 2,696 2,386 807 52	114 122 121 85 105 103 113 87	112 120 116 86 101 96 104 105	111 118 132 86 97 106 86 106	107 111 128 84 99 99 98 102	105 108 126 96 94 99 89 104	104 108 120 108 85 97 95 108	98 100 108 57 87 96 100 102

^{1.} Data for Alaska and Hawaii are not available for years prior to 1950.

^{6.} Lynn E. Browne comes to this conclusion in "Shifting Regional Fortunes: The Wheel Turns," New England Economic Review (May/June 1989): 27–40. Ms. Browne uses conceptually different and statistically more aggregate measures of "industry mix" and "earnings per job" than the equivalent measures used for this article. Also, the end year of Ms. Browne's analysis is 1987 rather than 1988. Nonetheless, there is substantial agreement where the methodology overlaps in the two articles.

^{7.} The choice of the first 3 years is based solely on data availability, the choice of the next 3 years is based on national business cycle peaks, and 1988 is the most recent year for which data are available.

grown at different rates, nationally and regionally, over each decade, and shares of PCPI accounted for by the payment types have varied, as shown in table 4. As an example, nationally, the share of property income was higher in 1988 than in any other year except 1929, reflecting unusually high interest rates and growing indebtedness in the 1980's. Regionally, more uniform distributions of property income in the 1980's partly offset factors contributing to regional disparities.⁸

However, the main focus in this study is not on property income but on income that is related to jobs, because this kind of income accounts for the bulk of the change in regional PCPI as a percent of the national average.

Per capita income components

The formulation for assessing detailed component contributions to

correlation coefficient for the share of population aged 65 and over and the share of property income among States was 0.490 in 1969, 0.602 in 1979, and 0.604 in 1988—all significant at the 1-percent level. At the same time, the coefficient of variation for the share of population aged 65 and over for all States has declined over the three decades. (This decline is explained, in part, by the higher propensity to migrate for the population aged 20–40 than for other age groups, including that for the population aged 65 and over, which has the second highest propensity to migrate.)

changes in regional PCPI as a percent of the national average has been streamlined and the presentation clarified, compared with that in the 1982 Survey article. The formulation is

$$\begin{array}{cc} \textbf{(1)} & \frac{TPI}{N} = \frac{H}{J} \times \frac{E}{H} \times \frac{J}{N_w} \times \\ & \frac{N_w}{N} \times \frac{FI}{E} \times \frac{TPI}{FI}, \end{array}$$

where TPI is total personal income, N is total population, H is hypothetical earnings, J is the number of jobs, E is earnings, N_w is the working-age population, and FI is factor income (property income plus earnings).

Table 4.—Percent Distribution of Per Capita Personal Income by Component, Selected Years 1929–88, for the United States and BEA Regions

							I	· · · · · · · · · · · · · · · · · · ·							—
	1929	1940	1950	1959	1969	1979	1988		1929	1940	1950	1959	1969	1979	1988
United States								High-income regions	Ì						
Per capita personal income Wages and salaries Other labor income Farm proprietors' income Nonfarm proprietors' income Personal dividend, interest, and rental income. Transfer payments Less: Personal contributions for social insurance. Plus: Residence adjustment	59.8 .6 7.2 9.9 20.9 1.8 .2	100.0 64.2 .8 5.7 10.6 15.5 4.0 .8	100.0 64.4 1.6 6.0 11.1 11.5 6.7 1.3 0	66.4 2.7	100.0 66.8 3.7 1.9 8.4 13.3 9.3 3.4 0	100.0 61.5 6.0 1.5 7.9 13.6 13.5 4.0	100.0 59.7 5.6 .9 7.1 17.0 14.4 4.8 0	Per capita personal income. Wages and salaries. Other labor income. Farm proprietors' income. Nonfarm proprietors' income. Personal dividend, interest, and rental income. Transfer payments. Less: Personal contributions for social insurance. Plus: Residence adjustment.	61.7 .7 3.3 9.5 23.3 1.7	100.0 66.3 .9 2.7 10.1 16.8 4.1 .9	100.0 68.0 1.8 3.0 10.5 11.9 6.3 1.3 1	100.0 68.3 2.9 1.4 10.0 12.7 6.9 2.1 2	100.0 67.7 3.9 1.0 8.0 13.7 9.2 3.4 -,2	100.0 62.2 6.2 .9 7.4 13.8 13.6 4.1 1	100.0 60.7 5.8 .5 7.0 16.9 14.2 5.0 1
Low-income regions Per capita personal income	.6 17.5 10.8 14.4 2.0 .2	59.0 .7 13.0	100.0 57.2 1.3 11.9 12.3 10.8 7.4 1.2	62.5 2.4 5.1	100.0 65.1 3.3 3.5 9.3 12.3 9.6 3.4 .3	100.0 60.4 5.8 2.3 8.7 13.2 13.4 3.8	100.0 58.1 5.5 1.5 7.3 17.1 14.8 4.5	Mideast: Per capita personal income	1.6 .2	66.1 .9 1.2 9.9	100.0 70.0 1.8 1.4 9.9 12.1 6.6 1.4 4	100.0 69.7 3.0 .7 9.4 13.0 7.1 2.2 8	100.0 68.3 3.8 .5 7.9 14.3 9.7 3.4 -1.0	100.0 62.4 6.1 .3 6.9 14.3 15.2 4.2 -1.0	100.0 61.6 5.5 .2 6.8 17.3 14.8 5.3 -1.0
Southeast: Per capita personal income Wages and salaries Other labor income Farm proprietors' income Nonfarm proprietors' income Personal dividend, interest, and rental income Transfer payments Less: Personal contributions for social insurance Plus: Residence adjustment	55.6 .5 18.5 9.9 13.6 2.0 .2	.6 12.0 11.2	100.0 59.8 1.4 9.6 11.8 9.7 8.3 1.3	100.0 63.9 2.3 4.6 11.3 11.3 7.9 2.0 .8	100.0 66.7 3.4 2.5 8.4 11.7 10.0 3.4 .8	100.0 60.4 5.7 1.6 7.8 12.8 14.9 3.8 .6	100.0 58.1 5.4 1.3 6.8 16.9 15.5 4.4 .5	Far West: Per capita personal income. Wages and salaries. Other labor income. Farm proprietors' income. Nonfarm proprietors' income Personal dividend, interest, and rental income. Transfer payments. Less: Personal contributions for social insurance. Plus: Residence adjustment.	.7 5.7 11.4	100.0 61.8 .9 4.6 12.8 15.7 5.2 1.0	100.0 61.9 1.3 4.3 14.0 12.3 7.5 1.4 0	100.0 65.5 2.3 2.2 11.8 13.6 6.9 2.2 1	100.0 65.7 3.4 1.3 9.1 14.0 10.1 3.5 0	100.0 60,4 5.6 1.3 9.1 14.4 13.0 3.9	100.0 59.9 5.6 .9 7.9 16.8 13.5 4.7
Southwest: Per capita personal income Wages and salaries Other labor income Farm proprietors' income Nonfarm proprietors' income Personal dividend, interest, and rental income Transfer payments Less: Personal contributions for social insurance Plus: Residence adjustment	53.2 .6 16.6 12.2 15.8	100.0 56.4 .8 12.7 13.6 13.5 3.7 .7	100.0 58.8 1.3 8.9 14.0 11.0 7.2 1.1 1	100.0 63.3 2.7 4.1 12.2 13.5 6.6 2.0 4	100.0 65.3 3.5 2.1 10.7 12.5 9.2 3.3 1	100.0 61.8 6.1 1.7 9.9 12.7 11.7 3.9 1	100.0 59.1 5.7 1.3 7.9 16.7 13.8 4.5 1	Far West plus AK and HI: ¹ Per capita personal income			100.0 62.5 1.3 4.2 13.8 12.1 7.4 1.4 1	100.0 65.9 2.3 2.1 11.7 13.5 6.8 2.2 2	100.0 66.1 3.4 1.3 9.0 13.9 9.9 3.5 1	100.0 60.8 5.6 1.3 9.1 14.2 13.0 3.9 1	100.0 60.1 5.6 .9 8.0 16.7 13.5 4.7 0
Plains: Per capita personal income Wages and salaries Other labor income Farm proprietors' income Nonfarm proprietors' income Personal dividend, interest, and rental income Transfer payments Less: Personal contributions for social insurance Plus: Residence adjustment	53.3 .5 18.0 11.4 14.7 2.3	100.0 55.8 .6 14.9 12.4 12.5 4.4 .7	100.0 51.8 1.2 18.0 12.0 12.1 6.1 1.0 2	59.3 2.3	100.0 61.5 3.3 6.7 9.9 13.4 9.4 3.4 7	100.0 58.2 5.6 5.1 8.8 14.6 12.3 3.9 7	100.0 56.9 5.5 2.7 7.8 18.5 14.3 4.9 7	New England: Per capita personal income. Wages and salaries. Other labor income. Farm proprietors' income. Nonfarm proprietors' income. Personal dividend, interest, and rental income. Transfer payments. Less: Personal contributions for social insurance. Plus: Residence adjustment.	62.8 .5 1.9 8.8 24.4	65.6 .7 1.3 8.9 20.3	100.0 67.8 1.8 1.4 9.5 13.4 6.9 1.3	100.0 66.9 2.8 .7 9.2 13.5 7.6 1.9 1.3	100.0 65.0 3.7 .4 7.4 15.5 9.4 3.1 1.7	100.0 60.2 6.0 .3 7.1 14.6 14.1 3.7 1.5	100.0 60.7 5.8 .2 6.8 17.3 12.5 4.7 1.4
Rocky Mountain: Per capita personal income	60.4 .7 12.2 10.3 14.5	100.0 58.5 .9 12.3 11.8 11.6 5.6 .8	100.0 55.8 1.2 12.4 12.6 11.9 7.3 1.2	100.0 62.0 2.0 4.7 12.2 13.5 7.6 2.0	100.0 63.5 2.9 4.1 10.2 13.4 9.4 3.5	100.0 62.1 5.4 1.4 10.3 13.4 11.4 4.0	100.0 58.5 5.3 1.5 8.2 16.9 14.2 4.6	Great Lakes: Per capita personal income	64.3 .7 5.4 9.1 18.9 1.8	68.8 .8 4.4 9.7 13.3	68.8 1.9 4.6 9.7	100.0 68.6 3.3 2.1 9.7 11.7 6.5 1.9	100.0 69.1 4.5 1.7 7.5 12.5 7.9 3.4	100.0 63.7 7.0 1.5 6.5 12.7 12.3 4.1 .3	100.0 60.4 6.2 .5 6.3 16.6 14.7 5.0 .3

^{1.} Data for Alaska and Hawaii are not available for years prior to 1950.

^{8.} Whatever the effect of the rising property income share on intrargional or intrastate differences in income distribution, interregional and interstate differences in the shares have continuously narrowed over all the decades under study. In part, this narrowing is explained by the share of population aged 65 and over relative to total State population, because property income tends to be a more important income source for this age group than for others. The simple cross-section

When equation (1) is expressed as differences between time periods and is transformed into logarithmic form, the right-side components are additive, and the percent change on the left side is precisely equal to the sum of the percent changes on the right.

$$\begin{aligned} & \left[ln(\frac{TPI}{N}) - ln(\frac{TPI}{N})_{-1} \right] &= \\ & \left[ln(\frac{H}{J}) - ln(\frac{H}{J})_{-1} \right] &+ \\ & \left[ln(\frac{E}{H}) - ln(\frac{E}{H})_{-1} \right] &+ \\ & \left[ln(\frac{J}{N_w}) - ln(\frac{J}{N_w})_{-1} \right] &+ \\ & \left[ln(\frac{N_w}{N}) - ln(\frac{N_w}{N})_{-1} \right] &+ \\ & \left[ln(\frac{FI}{E}) - ln(\frac{FI}{E})_{-1} \right] &+ \\ & \left[ln(\frac{TPI}{FI}) - ln(\frac{TPI}{FI})_{-1} \right]. \end{aligned}$$

(1b) percent change
$$(\frac{TPI}{N})$$
 = percent change $(\frac{H}{J})$ percent change $(\frac{E}{H})$ percent change $(\frac{J}{N_w})$ + percent change $(\frac{N_w}{N})$ + percent change $(\frac{FI}{E})$ + percent change $(\frac{TPI}{EI})$.

The detailed components are as follows.

Industry mix (H/J): This detailed component is the ratio of hypothetical earnings to jobs, where hypothetical earnings is the wages and salaries, other labor income, and sole proprietors' and general partners' income that would have originated in a region if all jobs in each industry in the region had been compensated at the national average rate in the corresponding industry.⁹ When this compo-

nent is calculated for two or more regions, the national distribution of earnings by industry is multiplied by each region's distribution of jobs by industry. Thus, regional differences in this component reflect regional differences in the distribution (mix) of jobs among industries with varying earnings rates nationally. The industrial comparisons are made at approximately the two-digit Standard Industrial Classification (SIC) level of detail, as in the table "Personal Income by Major Sources" for States, usually published in the August Survey of Current BUSINESS.

regional **Differential** earnings (E/H): This detailed component is the ratio of earnings to hypothetical earnings, where earnings is the actual wages and salaries, other labor income, and sole proprietors' and general partners' income originating in a region. When this detailed component is calculated, the region's industry mix of jobs is multiplied by the region's actual earnings by industry in the numerator, and the same industry mix of jobs is multiplied by the corresponding national earnings in the denominator. Thus, this detailed component reflects regional-national differences in industrial earnings rates that abstract, for the most part, from those due to regionalnational differences in the industry mix of jobs.

Job ratio (J/N_w) : This detailed component is the ratio of the count of jobs of wage and salary workers by place of work and of sole proprietors and general partners to the resident working-age population (ages 18-64 years).

Working-age ratio (N_w/N) : This detailed component is the ratio of the working-age population to total population. The difference between this ratio and unity equals the share of population that will be referred to as the "nonlabor share"; any downward change in the working-age population share implies an increase in the nonlabor share, and conversely.

Property income ratio (FI/E): This detailed component is the ratio of property income plus earnings—that is, factor income—to earnings.

Transfer payments ratio (TPI/FI):

This detailed component is the ratio of total personal income—
that is, factor income plus non-factor income (mainly transfer payments)—to factor income.

Table 5.—Average Annual Percent Change in Per Capita Personal Income by Detailed Component, 1969-79 and 1979-88, for the United States and BEA Regions

				Detailed co	omponents			
	Per capita		Differential		Working-	Property	Transfer pay	yments ratio
	personal income (TPI/N)	Industry mix (H/J)	regional earnings (E/H)	Job ratio (J/N _w)	age ratio (N _* /N)	income ratio (Fl _w /E)	Place of work (TPI/FI _w)	Place of residence (TPI/FI-)
				1969	-7 9			
United States	8.64	7.07	0	0.34	0.72	0.10	0.39	0.48
Low-income regions Southeast Southwest Plains Rocky Mountain	9.24	7.34 7.38 7.32 7.20 7.39	.31 .28 .63 .05 .17	.52 .40 .79 .51 .80	.63 .49 .56 1.02 .83	.16 .22 .05 .20	.35 .47 .21 .26 .16	.43 .56 .28 .33 .23
High-income regions Mideast Far West Far West plus AK and HI New England Great Lakes	8.02 8.61 8.60	6.92 6.93 6.93 6.93 6.85 7.00	09 15 20 17 31	.22 04 .74 .72 .23	.79 .69 .75 .75 .91	.08 .09 .10 .10 03 .09	.41 .51 .29 .29 .43 .40	.50 .63 .34 .34 .53
				1979	-88			
United States	6.69	5.35	0	0.56	0.25	0.51	0.01	0.12
Low-income regions	7.04 5.67 6.06	5.30 5.38 5.11 5.34 5.13	20 .09 29 68 63	.39 .66 12 .39 .23	.26 .31 .17 .29 .06	.60 .61 .62 .60 .56	.09 01 .18 .12 .27	.19 .09 .27 .25 .35
High-income regions	6.24	5.40 5.53 5.46 5.46 5.57 5.19	.14 .55 01 04 1.10 55	.69 .94 .43 .42 1.38 .41	.25 .31 .08 .07 .47 .25	.45 .41 .35 .35 .33 .60	04 17 04 02 33 .19	.07 05 .06 .07 21

^{9.} Estimates of the number of wage and salary workers, sole proprietors, and general partners are on a job-count basis, derived from tax and administrative records; that is, each job, whether full- or part-time, is counted (unlike a person-count estimate, usually derived from household surveys). There is no adequate basis on the subnational level for converting these job counts to a full-time equivalent measure. While the job-count estimates in this study generally agree with those in the Regional Economic Information System tables, the estimates for sole proprietors and general partners differ from current estimates in anticipation of changes to be introduced as part of the next comprehensive revisions to the State personal income estimates.

Contributions of the components

Table 5 shows, for each region, average annual percent changes in PCPI by detailed component for 1969-79 and 1979-88. For each region in each decade, these measures provide the basis for evaluating the contribution of the change in each detailed component to the change in PCPI as a percent of the national average. Table 5 shows TPI/FI in two versions, one designated as a place-of-work estimate and the other designated as a placeof-residence estimate. The two designations yield somewhat different estimates, but they do not materially affect the values of the specified component contributions at the regional level.

Table 6 shows, for each region, the percentage-point difference from the national average percent change in PCPI for each detailed component. The signs of the regionalnational differences may be either positive or negative. Using these differences, the procedure for accounting for convergence and divergence of the high- and low-income regions consists of two steps: (1) Subtracting the high-income regional-national difference from the low-income regionalnational difference for each detailed component and (2) grouping the results of step (1) into two parts—those

contributing to convergence and those contributing to divergence. For example, in the 1970's, the results of step (1) were 0.41 for industry mix, 0.40 for differential regional earnings, 0.29 for the job ratio, -0.16 for the working-age ratio, 0.08 for the property income ratio, and -0.06 for the transfer payments ratio. When the results with positive signs are grouped, the industry mix, differential regional earnings, job ratio, and property income ratio together contributed 1.18 percentage points toward convergence. When the results with negative signs are grouped, the nonlabor share and transfer payments together contributed -0.22 percentage point toward divergence. The net result-0.96—indicates convergence between high- and low-income regions.

The 1970's and 1980's

Of the total of the group of detailed components contributing to regional PCPI convergence in the 1970's, (1) industry mix accounted for 35 percent, (2) differential regional earnings for 34 percent, (3) the job ratio for 25 percent, and (4) the property income ratio for 7 percent. A relative increase in the nonlabor share and a relative

Table 6.—Percentage-Point Difference from National Average Annual Percent Change in Per Capita Personal Income by Detailed Component, 1969-79 and 1979-88, for BEA Regions

				Detailed co	omponents			
	Per capita		Differential		Working-	Property	Transfer pay	ments ratio
	personal income (TPI/N)	Industry mix (H/J)	regional earnings (E/H)	Job ratio (J/N _w)	age ratio (N _w /N)	income ratio (FI _w /E)	Place of work (TPI/FI _*)	Place of residence (TPI/FI _r)
		. 410		1969	-79			
Low-income regions	0.67	0.26	0.31	0.17	-0.09	0.06	-0.04	-0.0
Southeast		.30	.28	.05	23	.12	.08	.0:
Southwest		.25	.63	.44	16	05	18	19
Plains	.60	.13	.05	.17	.30	.09	13	1
Rocky Mountain		.31	.17	.45	.11	08	23	2
High-income regions	29	15	09	12	.07	02	.02	.0.
Mideast		15	15	39	03	01	.12	.10
Far West		15	20	.40	.02	.00	10	1
Far West plus AK and HI		15	17	.37	.03	01	lii	i:
New England		23	31	12	.18	14	.04	.ö.
Great Lakes	10	08	.05	23	.16	01	.ŏi	ŏ.
Low-income regions less high-income			ļ		[İ	
regions	.96	.41	.40	.29	16	.08	06	0.
		<u> </u>	 	1979	-88		h	
Y t	-0.24	-0.05	-0.20	-0.17	0.01	0.09	0.08	0.0
Low-income regions			-0.20	-0.17	.06			
Southeast		.03				.10	02	0
Southwest		24	29	68	08	.11	.17	-1:
Plains		01	68	18	.04	.09	.11	.1
Rocky Mountain	-1,06	22	63	33	19	.05	.26	.2
High-income regions	.20	.04	.14	.13	.00	06	05	l0
Mideast		.18	.55	.38	.06	10	18	ĭ
Far West		l ii	01	13	17	16	05	ö
Far West plus AK and HI	44	ii.	04	15	18	16	04	l –.ŏ
New England	1.84	.22	1.10	.81	.22	18	34	l –.š
Great Lakes		16	55	15	.00	.09	.17] .ī
Low-income regions less high-income		,						
regions	44	09	34	30	.01	.15	.13	.1

decrease in the transfer payments ratio in low-income regions, which benefited from falling unemployment rates, partly offset the other component contributions.

Of the total of the group of detailed components contributing to regional PCPI divergence in the 1980's, (1) industry mix accounted for 12 percent, (2) differential regional earnings for 47 percent, and (3) the job ratio for 41 percent. Relative increases in the property income ratio and in the transfer payments ratio in low-income regions partly offset the other component contributions.

Industry mix

During the two most recent decades, industry mix contributed considerably less to PCPI convergence than during the 1940-79 period overall. Individual decade patterns have varied, but the very large industry mix contributions in the 1940's dominated the 1940-79 period. With the onset of the revolution in farm technology, a major reallocation of redundant farm labor to other industries occurred within the context of large increases in total jobs. As noted in the 1982 Survey article, from 1940 to 1979, farm jobs as a percent of total jobs in low-income regions declined more than 25 percentage points; two-fifths of this decline occurred in the 1940's, when regional PCPI differences narrowed more than in any other decade. Regional differences continued to narrow in the subsequent three decades, but the reallocation of the diminishing pool of redundant farm workers appears to have accounted for no more than one-fifth of the subsequent convergence.

Much of primary commodities production remains concentrated in lowincome regions, however. These regions experienced compounded relative advantages with respect to both the industry-mix and differential-regionalearnings contributions to PCPI convergence in the 1970's. Owing to the relative price inelasticity of demand for many primary commodities, prices and incomes tend to be more volatile than jobs. In the early 1970's, supply shocks led to soaring prices for petroleum, grain, and oilseed, and industrial hoarding led temporarily to soaring prices for copper and other industrial raw materials perceived to be in short supply. The initial supply response slowed the decades-long attrition of farm households and temporarily turned around the long-term decline in jobs in a number of mining industries in these regions. The rising earnings per job in the primary commodities industries affected both hypothetical and actual earnings per job in the 1970's, to the advantage of the low-income regions. ¹⁰

These same industries were disadvantaged in the 1980's. In the Southwest and Rocky Mountain regions, weakness in these industries and in construction canceled out most of their industry-mix gains of the 1970's. The Plains region, however, retained most of its industry-mix gains of the 1970's mainly because high Federal Government crop payments to farm proprietors in 1988 (not characteristic of earlier in the 1980's) boosted the region's end-year hypothetical earnings. In the Southeast, the gains from industry mix increased modestly in the 1980's. The Great Lakes region continued to experience negative contributions in the 1980's, and the other high-income regions approximately regained their losses of the 1970's.

Differential regional earnings

The relatively very large differential regional earnings contribution to PCPI divergence in the 1980's partly reflects, as just mentioned, a reversal of 1970 developments in the primary commodities industries in the 1970's. It also reflects substantial regional differences in earnings among industries that are more nearly uniformly distributed among regions. Rising relative unemployment rates in the Southwest, Rocky Mountain, and Plains regions and falling relative unemployment rates (and labor shortages in many labor market areas) in the New England and Mideast regions in the 1980's had opposite effects on relative increases in wage rates. Often, the least skilled, entry-level jobs in the larger labor market areas in the latter regions commanded substantial premiums above the Federal minimum wage rate, in contrast with the conditions in the former regions. As well, contrasting phases of the construction cycle in the two groups of regions through 1988 resulted in contrasting receipts of overtime premium payments in the relatively high-wage construction industry.

The industry-mix component, as measured, does not completely filter

out industry-mix differences among the regions. As an important example, nonelectrical machinery manufactures (SIC 35) includes oilfield and farm equipment (in which the Southwest and Plains regions, respectively, specialize) and computers. Employment and wage premiums in oilfield and farm equipment increased in the 1970's and declined in the 1980's, and employment and wage premiums in computers increased in both decades. New England was particularly advantaged through much of the 1980's because of the increasing penetration of the market by minicomputers in which the region specializes.

The occupational composition of industries also varies among regions. Central administrative offices, in general, and corporate headquarters, in particular, tend to employ a higher proportion of professional, technical, and managerial workers than do the operating units, and these administrative units are more regionally concentrated. During the 1980's, there was a wider divergence of job remuneration between professional, technical, and managerial workers and other job classifications than in earlier decades. This divergence particularly benefited the New England and Mideast regions, which are host to a disproportionate, though declining, share of administrative units.

That is not the whole story: Moneycenter banks and nonbank financial institutions in major labor market areas in high-income regions provide an example of the working of locational external economies in the 1980's. Capital flows to and from these centers multiplied, and the proliferation of financial restructuring was the source of very large bonus payments, in-Junk bond packagers, arbitragers, and related corporate lawyers and tax accountants profited more than substantially in the money centers, while jobs in financial "backroom" operations in low-income regions, such as those recording credit card transactions in some medium-sized cities in the Plains region, were not similarly remunerated. 11

Job ratio and working-age ratio

The job ratio was also a major component contributor to convergence in

the 1970's and to divergence in the 1980's. In the 1970's, total jobs increased at almost twice the rate in lowincome as in high-income regions-at average annual rates of 2.95 percent and 1.68 percent, respectively. At the same time, the increase in working-age population in low-income regions was 1.7 times that of high-income regions at average annual rates of 2.4 percent and 1.4 percent, respectively. In the 1980's, the average annual rates of job growth were much closer-at 2.03 percent and 1.71 percent, respectively. The increase in working-age population in low-income regions was 1.6 times that in high-income regionsat average annual rates of 1.6 percent and 1.0 percent, respectively. Thus, in the 1980's, the job ratio turned in favor of the high-income regions, notably in New England and the Mideast, where the population growth rate remained well below the national average in both (Population growth in the Southeast and Southwest regions in the 1970's and in the Rocky Mountain and Southwest regions in the 1980's included a higher-than-national-average nonlabor share, resulting in divergent contributions from the working-age ratio component from those regions.)

The national business cycle masks somewhat different cyclical patterns among individual regions. In the Southwest and Rocky Mountain regions, the boomlike patterns of the 1970's continued through the mid-1980's, when the collapse in international oil prices sent the regional economies into sudden shock: struction, trade, and the financeinsurance-real estate group were battered, along with oilfield development and services activities. The job ratios in these regions were further depressed because working-age population inmigration continued, although it trailed off when unemployment rates began to soar after the mid-1980's.

Property income ratio and transfer payments ratio

More uniform regional distributions of property income contributed slightly

^{10.} Inasmuch as low-income regions have a disproportionate share of the affected primary industries, higher relative earnings rates in these industries in the 1970's strongly affected the earnings rates used in calculating hypothetical earnings (H) as well as actual earnings (H)

^{11.} For a more geographically detailed discussion of the reversal of economic patterns in the 1970's and 1980's and the implications for regional economic theory, see Daniel H. Garnick, "Shifting Patterns in the Growth of Metropolitan and Nonmetropolitan Areas,"

Survey of Current Business 63 (May 1983): 39—44; "Patterns of Growth in Metropolitan and Nonmetropolitan Areas: An Update," Survey 65 (May 1985): 33—38; and "Growth in Metropolitan and Nonmetropolitan Areas: An Update," Survey 69 (April 1989): 37—38. The methodology underlying the 1983 Survey article, while comprehensive, did not isolate differential regional earnings; hence, it did not identify the locational external economies pertaining to, for example, moneycenter financial institutions in the 1980's (as well as in the 1950's and 1960's).

to regional PCPI convergence in the 1970's and partly offset divergence in the 1980's. In the 1970's, unemployment rates that were falling relative to the national average in low-income regions resulted in a small relative decline in transfer payments, and that decline partly offset regional PCPI convergence in that decade. In contrast, in the 1980's, unemployment rates that were rising relatively in low-income regions resulted in a relative increase in transfer payments, and that increase partly offset regional PCPI divergence.

Income and Population Effects, 1929–88

Ever since the first wave of European immigration, this Nation's population has exhibited a much higher degree of regional mobility than that of other industrially advanced countries. Since the Nation's early settlement, population has shifted west. In the 1929-88 period, the three westernmost regions have consistently had high relative population growth rates; the New England, Mideast, and Plains regions have had low rates. The Great Lakes region has had increasing population outmigration since the 1950's. about a century following the Civil War (except during the 1930's), the Southeast had outmigration, but since the 1960's, the region has had increasing inmigration.

When viewed in terms of comparative statics, regional population growth exerts a "drag" on relative PCPI growth, and income growth exerts a "lift," But regional population and income growth are *not* independent of one another, nor are they perfectly covariant. In this section, PCPI change is decomposed into lift and drag effects—termed the "income effect" and the "population effect," respectively—over each of six approximate decade timespans in 1929–88.

A measure of the income and population effects can be derived by differentiating PCPI with respect to time (t), as shown in equation (2).

(2)
$$\frac{d(y/n)}{dt} = \frac{ndy - ydn}{n^2}$$
$$\cong \frac{\Delta y}{n} - \frac{y_{-1}}{n_{-1}} \times \frac{\Delta n}{n},$$

where y is TPI, n is total population, Δ is the change in value over a timespan, and the subscript (-1) is the value at the initial date of a timespan. The

first term on the right side of the final equality sign, $\frac{\Delta y}{n}$, hereafter called the income effect, measures the per capita increment in TPI during a timespan. The second term, $\frac{y-1}{n-1} \times \frac{\Delta n}{n}$, hereafter called the population effect, is the product of the initial value of PCPI (the initial condition) and the population growth rate during the timespan. The sign of the population effect is negative, which implies a drag on PCPI change when population is growing. The initial condition thus modifies the drag of the population growth rate on PCPI growth: It mutes the drag in low-income regions and amplifies the drag in high-income regions. 12

Table 7 shows the change in PCPI, the income effect, and the population effect and its components-initial-year PCPI and population growth rate-for each timespan in 1929-88. In each of the timespans, the absolute dollar change in PCPI in low-income regions fell below the national average, while the dollar change in the high-income regions exceeded it. When there are large differences among regions in the absolute dollar values of PCPI, it is not unusual for absolute (columns 1-6) divergence and relative (columns 7-12) convergence to occur simultaneously. This situation is especially likely when inflation accounts for a large part of income growth and affects income growth rates more or less uniformly across regions. Relative convergence of low-income regions will occur when their PCPI growth rates exceed the national average (and when those of high-income regions fall short of it). The components of PCPI behave in the same way as the total with respect to divergence when treated in absolute terms and with respect to convergence when treated in relative terms (except in the 1980's, when, in both terms, PCPI and its components diverged regionally).

Income and population effects compared

In each timespan except the 1930's, the income effect provided the expected lift. In the 1930's, PCPI declined in the Nation and in each region. Both the income and population effects were negative, except in the Southeast and Far West regions; in those regions, small positive income effects offset about onethird and one-quarter, respectively, of the negative population effects (column The national population growth rate was the lowest recorded, and thus it exerted a smaller-than-average drag. The negative income effect took a greater toll on high-income regions; it accounted for more than one-half of the PCPI decline in the high-income regions, compared with less than onethird of the decline in low-income regions. In this decade of the Great Depression, the industrial Great Lakes, New England, and Mideast regions experienced population outmigration for want of jobs. The Far West, on the other hand, had a population growth rate 230 percent of the national average (column 7). Three of the four low-income regions also had greaterthan-average population growth; in the Plains region, drought and dust storms ravaged farms and spurred large-scale outmigration.

World War II and the postwar conversion were powerful engines of growth during the 1940's; the income effect swamped the population effect even though the national population growth rate exploded at the start of the baby boom (column 2). During this decade, the PCPI disparities narrowed more than in any other: PCPI more than tripled in low-income regions and more than doubled in high-income regions. The income effect was 50 times larger than the population effect in the Plains region, reflecting both huge gains in farm productivity and continued very high rates of population outmigration. The Southeast, with an income effect 21 times larger than the population effect, returned to its pre-1930's pattern of outmigration for similar reasons.

Industrialization was taking hold in both the Plains and Southeast regions during the 1940's. The Plains region continued exporting population during each of the subsequent decades, through good farm years and bad; the Southeast experienced a turnaround of migration (and remigration) starting in the 1960's. The Southwest and Rocky Mountain regions experienced high to very high rates of population inmigration over each decade in the face of very uneven income effects. It was only in the two most recent decades that, with high population growth (including

^{12.} The modifying effect of the initial PCPI value can be illustrated in relative terms. Consider two regions with initial PCPI's of 125 percent and 75 percent of the national average, respectively. If both regions experience population growth rates equal to the national average, the high-income region will experience a drag two-thirds greater than that for the low-income region. Thus, to the extent that income growth and population growth are not covariant, the initial condition requires greater lift to keep high-income regions aloft relatively, and therein lies the tendency toward PCPI relative convergence, all else being equal.

that in the Southeast) and with PCPI approaching the national average, the population effect in low-income regions exerted greater-than-national-average drag on PCPI growth.

The high-income regions, except the Far West, experienced an opposite population effect. The population growth rate in the Far West has averaged more than twice the national average during the decades under study. New England and the Mideast have experienced varying outmigrations—in the last two decades quite sharp, in the face of both economic reversal in the 1970's and substantial recovery in the 1980's. Since the 1950's, the Great Lakes region has experienced increasing population outmigration, and its income effects have fallen below the national average since the 1960's. By the end of the 1980's, the Great Lakes region had fallen from above to below the national average PCPI.

Thus, although each region appears to be governed by its own culture of population migration, columns 7-12 in table 7 show a pattern of rising relative population effects in the low-income regions and declining relative population effects in the highincome regions over the decades under study. These patterns, in turn, reflect the compound effects of both the initial condition-monotonically rising (declining) initial year PCPI as a percent of the national average in the lowincome (high-income) regions-and a somewhat uneven pattern of relative population growth rates.

Through mid-century, the Hicks-Borts proposition on the regional equalization of factor returns had some verisimilitude; it also had demonstrated relevance for explaining regional PCPI convergence as a percent of the national average. Since midcentury, however, modern technology has permitted industries to become increasingly footloose. Industries established in the New England, Mideast, and Great Lakes regions through the early decades of the century were based on a mechanical technology and were locationally bound to dense labor markets and by high transportation costs. The shift over time to lightweight materials, to miniaturization, to reduced numbers of moving parts in equipment, and, more generally, to the widespread substitution of electronic for mechanical processes has reduced the role of transportation costs and of large, skilled labor pool requirements in the production and distribution processes. Advances in telecommunications, more efficient transmission of power, and relatively cheaper, faster, and more convenient transportation have increasingly overcome the impedance of distance in the provision of producer services as well as in the production and distribution of goods. Overall, the economies of prox-

Table 7.—Change in Per Capita Personal Income: Income and Population Effects, Selected Periods 1929-88, for the United States and BEA Regions

•	Abso	olute doll	ars or po	pulation r	ate of ch	ange		P	ercent of l	U.S. avera	ge	
	—			·		1979–88	1929-40			1959–69	1969-79	1979–88
	(1)	(2)	(3)	(4)	(5)	6	(7)	(8)	(9)	(10)	(11)	(12)
United States												
Change in per capita income		911 988	697 911	1,612 1,876	5,225 5,620	7,455	100 100	100 100	100 100	100 100	100 100	100 100
Equals: Income effect	53	77	214	264	395	8,236 781	100	100	100	100	100	100
Initial per capita income Population rate of change	692 0.0772	587 0.1311	1,498 0.1426	2,195 0.1201	3,808 0.1036	9,033 0.0864	100 100	100 100	100	100 100	100 100	100 100
Low-income regions				•								
Change in per capita income	-51	813	594	1,421	4,946	6,416	48	89	85	88	95 97	86
Equals: Income effect	-16 35	852 40	737 144	1,632 211	5,460 514	7,354 938	30 66	86 52	81 67	87 80	130	89 120
Initial per capita income Population rate of change	.0789	394 .1008	1,207 .1191	1,800 .1174		8,167 .1149	64 102	67 77	81 84	82 98	85 154	90 133
Southeast:				}								
Change in per capita income Equals: Income effect	-25 13	703 739	592 708	1,414 1,614		6,786 7,662	24 -24	77 75	85 78	88 86	89 91	91 93
Minus: Population effect	37	36	116	200	500	876	70	47	54	76	127	112
Initial per capita income Population rate of change	.1032	338 .1058	1,041 .1116	1,633 .1226	3,047 .1642	7,676 .1141	52 134	58 81	70 78	74 102	80 159	85 132
Southwest:												
Change in per capita income Equals: Income effect	-54 -15	893 954	616 844	1,389 1,678	5,305 6,014	5,733 7,211	51 30	98 96	88 93	86 89	102 107	77 88
Minus: Population effect Initial per capita income	38 468	60 414	228 1,307	289 1,923	709 3,312	1,478 8,617	71 68	78 71	107 87	110 88	180 87	189 95
Population rate of change	.0814	.1459	.1747	.1503	.2141	.1715	105	ıii	123	125	207	198
Plains: Change in per capita income	-91	977	573	1,517	5,382	6,473	86	107	82	94	103	87
Equals: Încome effect	-81	998	678	1,642	5,567	6,806	156	101	74	88	99	83
Minus: Population effect Initial per capita income	10 566	20 475	104 1,453	126 2,026	185 3,543	332 8,924	19 82	27 81	49 97	48 92	47 93	43 99
Population rate of change		.0429	.0719	.0622	.0524	.0373	23	33	50	52	51	43
Rocky Mountain: Change in per capita income	-65	962	607	1,301	5,265	5,705	62	106	87	81	101	77
Equals: Income effect	– 6	1,034	864 257	1,605	6,053	6,703	12	105	95	86	108	81
Minus: Population effect Initial per capita income	587	72 523	1,485		788 3,393		110 85	94 89	120 99	115 95	200 89	128 96
Population rate of change	.1003	.1380	.1732	.1451	.2323	.1153	130	105	121	121	224	133
High-income regions Change in per capita income	-146	973	758	1,740	5,481	8,318	138	107	109	108	105	112
Equals: Income effect	~79	1,084	1,028	2,040	5,740	8,936	153	110	113	109	102	109
Minus: Population effect Initial per capita income	67 877	112 731	270 1,704	300 2,462	258 4,202	618 9,684	125 127	145 125	126 114	114	66 110	79 107
Population rate of change	.0759	.1526	.1584	.1219	.0615	.0638	98	116	111	101	59	74
Mideast: Change in per capita income	177	950	773	1,795	5,286	9,375	168	104	111	111	101	126
Equals: Income effect	-110 66	1,028 79	976 203	2,027	5,311 25	9,633 258	213 124	104 102	107 95	108 88	95 6	117
Minus: Population effect Initial per capita income	957	780	1,730	2,503	4,298	9,584	138	133	115	114	113	106
Population rate of change	.0693	.1008	.1172	.0928	.0058	.0269	90	77	82	77	6	31
Far West: Change in per capita income		1,038	807	1,745	5,958	7,817	111	114	116	108	114	105
Equals: Income effect	42 159	1,293 255	1,302 495	2,286 540	6,673 715	9,549 1,732	-80 297	131 331	143 232	122 205	119 181	116 222
Initial per capita income Population rate of change	890 .1786	772 .3299	1,810 .2735		4,363 .1638	10,321 .1678	129 231	132 252	121 192	119 172	115 158	114 194
Far West plus AK and HI: 1]	.5233						1	***	""	155	.,,
Change in per capita income	ļ		800			7,786		ļ	115	110	114	104
Equals: Income effect			1,290 490			1,733			142 229	123 203	119 184	222
Initial per capita income Population rate of change	ļ		1,801 .2721	2,601 .2060	4,367 .1666	10,325 .1678			120 191	118 172	115 161	114 194
New England:								1				
Change in per capita income Equals: Income effect		851 920	798 970			10,816 11,263	110 160	93 93	114 106	111	99 96	145 137
Minus: Population effect	33	70 749	172 1,599	265	207	447	61	91	80	101	52	57
Initial per capita income Population rate of change		.0931	.1074			9,375 .0477	125 49	128 71	107 75	109 92	110 48	104 55
Great Lakes:		100			,,,,,		٠					
Change in per capita income Equals: Income effect	-87	1,004 1,085	947	1,640 1,874	5,551	6,856 6,969	168	110 110	100 104	102 100	103 99	92 85
Minus: Population effect Initial per capita income		82 655					85 114	106 112	117	89 107	42 105	15 104
Population rate of change	.0575	.1246				.0121	75	95	105	83	40	14

^{1.} Data for Alaska and Hawaii are not available for years prior to 1950.

NOTE.—The "income effect" and the "population effect" are defined in the text.

imity to inputs and to market areas for manufacturing industries and for some producer services industries appear to have been weakening over the last three decades. 13

Where there is population, there is a demand for consumer services. To that extent at least, jobs flow with population. This has clearly been the case with respect to retirement communities and recreation areas. The amenities that draw population to these areas also lure enterprises other than

those connected with the provision of local consumer services, given the local cost of production relative to the prices the enterprises receive. In addition, the new industries—developed in the last three decades of rapid technological change—have tended to locate in the regions experiencing relatively rapid population growth; old industries located in the earlier established industrial belt have gone through or are currently undergoing substantial technological restructuring, and the redundant labor in these high-income or formerly high-income regions have tended to gravitate toward regions where the jobs are located. In spite of this gravitation toward jobs, it has been shown that locational external economies are associated with a degree of stickiness in factor returns in certain industries and locations (e.g., financial services in money centers) and with divergent differential regional earnings.

All the above explains much of the apparently "wrong" direction of regional population flows. However, not all job-related migration is implemented with perfect knowledge, and not all migration is in search of jobs. So, it can be assumed, regionally specific inertia in population movement and locational external economies may well continue beyond the present decade and continue to confound oversimplified theories of wages and regional PCPI convergence.

^{13.} Daniel H. Garnick, Reappraising the Outlook for Northern States and Cities in the Context of U.S. Economic History, Working Paper Number 42 (Cambridge, MA: Joint Center for Urban Studies of Massachusetts Institute of Technology and Harvard University, May 1978)

Annual Input-Output Accounts of the U.S. Economy, 1985

 ${
m T}_{
m HIS}$ article presents the latest in a series of annual input-output (I-O) accounts that are consistent definitionally with the 1977 benchmark I-O accounts as modified by the comprehensive revision of the national income and product accounts (NIPA's) released in December 1985.1 Annual I-O accounts are prepared using basically the same procedure as used in the most recent benchmark accounts, but with less comprehensive and reliable source data. The four steps in this procedure are (1) determine industry and commodity output totals, (2) estimate the commodity composition of intermediate consumption for each industry, (3) derive each GNP component and its commodity composition, and (4) balance the table.2

The 1985 annual I-O estimates of final demand—that is, estimates of GNP components—differ from the published NIPA estimates for that year because they incorporate additional source data and are based on estimating methods that reflect these source data. For the major GNP components, the differences are shown in table A. For personal consumption expenditures (PCE), the difference is mainly due to the methods used to prepare the estimates of goods and newly avail-

Note.—The 1985 annual I-O accounts were prepared under the direction of Mark A. Planting, Chief of the Auxiliary Studies Branch. Staff contributors were William A. Allen, Claiborne M. Ball, Esther M. Carter, Nicholas R. Dopuch, Robert S. Robinowitz, Nancy W. Simon, and Patricia A. Weiss.

Table A.—Comparison of GNP in the NIPA's and the I-O Accounts, 1985

[Billions of dollars]

	NIPA's 1	I-O ac- counts	NIPA's less I-O
Gross national product	4,014.9	3,999.5	15.3
Personal consumption expenditures	2,629.0	2,610.6	18.4
Gross private domestic investment	643.1	643.6	5 -2.6
Net exports of goods and services	-78.0 820.8	-75.4 820.8	-2.6 0

The 1985 NIPA estimates appear in "The U.S. National Income and Product Accounts: Revised Estimates," SURVEY 69 (July 1989): 8-

able source data. The I-O estimates for goods are based on the commodity-flow method; the NIPA estimates are based primarily on the retail-control method.³ For services, the difference is more than accounted for by revised BEA estimates of international transactions in services.⁴ For gross private

domestic investment (GPDI) and net exports of goods and services, the differences also reflect the incorporation in the I-O estimates of newly available source data: For GPDI, revised Census Bureau estimates of new construction and revised Department of Agriculture estimates of farm inventories; for net exports, revised BEA estimates of international transactions in services.

The 1985 annual I-O accounts, at the two-digit industry/commodity level, are presented in five tables: (1) The use of commodities by industries, (2) the make of commodities by industries, (3) commodity-by-industry direct requirements, (4) commodity-bycommodity total requirements, and (5) industry-by-commodity total requirements. The structure of these tables is identical to those published for the 85 industry/commodity benchmark I-O accounts except that in tables 1 and 3 the components of value added are not shown. This article presents only tables 1 and 2. See the box for information about the availability of the other

National Income and Product Accounts: Revised Estimates," Survey 69 (July 1989): 21.

Data Availability

The I-O accounts presented in this article, as well as the latest 1977 and 1980–84 I-O accounts at the two-digit industry/commodity level, are available in magnetic tape, diskette, and computer printout forms. Magnetic tapes containing data in tables 1 through 5 cost \$100 per year. Diskettes, containing data in tables 1 through 3 on the first diskette and tables 4 and 5 on the second, cost \$20 per diskette per year. Computer printouts containing data for all five tables cost \$55 per year. (Add 25 percent for foreign shipment.) Orders must specify tables and years desired and accession numbers as follows:

Year	Magnetic tapes	Diskettes	Printouts
1977 (Revised)	BEA IED 87-001	BEA IED 87-403	BEA IED 87-206
1980 (Revised)	BEA IED 87-002	BEA IED 87-406	BEA IED 87-212
1981	BEA IED 87-003	BEA IED 87-409	BEA IED 87-218
1982	BEA IED 88-001	BEA IED 88-401	BEA IED 88-201
1983	BEA IED 89-001	BEA IED 89-401	BEA IED 89-201
1984	BEA IED 89-002	BEA IED 89-402	BEA IED 89-202
1985	BEA IED 90-001	BEA IED 90-401	BEA IED 90-201

Orders for magnetic tape must specify density (1,600 BPI or 6,250 BPI) and whether or not internal labels are needed. To order tapes, diskettes, or printouts, write to Economic and Statistical Analysis/BEA, U.S. Department of Commerce, Citizens and Southern National Bank, 222 Mitchell Street, P.O. Box 100606, Atlanta, GA 30384. A check or money order, payable to "Economic and Statistical Analysis/BEA," must accompany all orders. For further information about these products or how to order them, call the Interindustry Economics Division at (202) 523-0792.

^{1.} Annual accounts for 1981, 1982, 1983, and 1984 have appeared in the January 1987, April 1988, February 1989, and November 1989 issues of the Survey of CURRENT BUSINESS, respectively. For a description of the 1977 I-O accounts, see "The Input-Output Structure of the U.S. Economy, 1977," SURVEY 64 (May 1984): 42–84. For a description of the NIPA revision, see "Revised Estimates of the National Income and Product Accounts of the United States, 1929–85: An Introduction," SURVEY 65 (December 1985): 1–19.

^{2.} For more detailed information on the preparation of annual I-O accounts, see "Input-Output Accounts of the U.S. Economy, 1981," SURVEY 67 (January 1987): 42.58

^{3.} For a description of these methods, see GNP: An Overview of Source Data and Estimating Methods, BEA Methodology Paper No. 4 (Washington, DC: U.S. Government Printing Office, 1987); and "The U.S. National Income and Product Accounts: Revised Estimates," SURVEY 69 (July 1989): 25–27.

^{4.} For a description of the revised services estimates, see "U.S. International Transactions, First Quarter 1989," SURVEY 69 (June 1989): 56-60; and "The U.S.

Table 1.—The Use of Commodities

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	Chemic and fertil minera minin
Industry nu	mber 1	2	3	4	5	6	7	8	9	10
Livestock and livestock products	9,164	2,287		274						
Other agricultural products	18,110	3,009	281	111 26				3		
Forestry and fishery products		4,325	1,176	158		1	11	1	1	
Agricultural, forestry, and fishery services					185					
Nonferrous metal ores mining	18	4			. 10 10	253 12	4,462	***************************************	11	†····
Crude petroleum and natural gas								6,221		ļ
Stone and clay mining and quarrying	2	247		1	15	3		***************************************	180	
New construction					***************************************		***************************************			ļ
Repair and maintenance construction	223	521	349 18	107	19	9	146	4,702	29	i
rood and kindred products	12,221		84	63		1	(*)	7	1	
Tobacco manufactures						1	42			ļ
Broad and narrow fabrics, yarn and thread mills	39	16 86	53	32			42	***************************************		<u> </u>
Apparel						1	16	15	3	
Miscellaneous fabricated textile productsLumber and wood products, except containers	12	60 13	14	56	l	23	112		***************************************	·····
Wood containers	4	181		11]				***************************************	ļ
Household furniture										·····
Paper and allied products, except containers	172	69	1	10	(*)	1	10	5	37	*************
Paperboard containers and boxes		125	1 1	99 9		(*)	10	3	2	
Printing and publishing	20	7,116	233	1,575	57	132	499	21 625	8	1
Chemicals and selected chemical products				-,						ļ
Drugs, cleaning and toilet preparations	213		Δ	***************************************			***************************************	6 14		1
Petroleum refining and related industries	1,080	6,294	268	493	62	79	729	417	229	
Rubber and miscellaneous plastics products	405	514	4	72	34	55	242	30	68	
Leather tanning and finishing	59			3				2		1
Glass and glass products			(*)	3	(*) 2	(*) 25 88 10	(*) 132	10	1	
Stone and clay products		156 11		16	43	25 88	132 126	18 508	4 41	
Primary nonferrous metals manufacturing					, ž	10	69		15	
Metal containers	10	15	7	*************	··········			50		ļ
Screw machine products and stampings	39	13		***************************************	9	18	257	30	22 15	
Other fabricated metal products	151	250	28	34	41	43 29	257 179	544	67	
Engines and turbines	416	924	18	51 48	27	29	221	235	58	
Construction and mining machinery					45	64	805	123	142	Ī
Materials handling machinery and equipment			(*)	2	17	14	119 5	38	46 7	
Special industry machinery and equipment					J	-			1	ļ
General industrial machinery equipment		29	9	10	39	31 17	442 119	371 222	73 33	
Office, computing, and accounting machines		93	<u> </u>	1	.	l	119			
Service industry machines					ļ <u>.</u>					ļ
Electric industrial equipment and apparatus		14			3	14	118	364	29	1
Electric lighting and wiring equipment	7	6	1	6	(*)	2	36	34	3	1
Radio, TV, and communication equipment				(*)	l	(*)	1	5		ļ
Miscellaneous electrical machinery and supplies	101	469	1	37	(*) 38	4	11	13	6	T*********
Motor vehicles and equipment	64	74	(*)	70 8	38	5	8	9	47	L
Other transportation equipment			(*) 563	14	1	3				Ţ
Scientific and controlling instruments Optical, ophthalmic, and photographic equipment			3	1 8	(*)	(*)	16 1	45	2	
Miscellaneous manufacturing	10	15	(*) 91	6	3	1	6	8	5	1
Transportation and warehousing	1,419	1,022	91	431	55	61	275	397 102	5 83 12	1
Communications, except radio and TV		327	<u> </u>	ļ ⁴	2	ļ <u>4</u>	26			1
Private electric, gas, water, and sanitary services	860	2,907	44 337 55 3 14	295	395 100	309 128 55 73 7	840	1,824	550]
Wholesale and retail trade		4,318 1,591	337	1,115 199	100	128	994 271	667 609	221 101	1
Real estate and rental	1,809	11,277	3	756	42	73	904	10,284	231]
Hotels; personal and repair services (except auto)		161 2,138	14	36 581 119	82	112	34 1,085	76 1,576	325	1
Eating and drinking places	15	21 311	128 43 42	119	4	10	41	463	50 325 26 50 3 10	
Automobile repair and services	269	311		263 352	34		210	260	50	
Health, educational, and social services and nonprofit organizations	643	46		33 80	5	9	2 47	63		
Federal Government enterprises	11	16	8	80	3	8	15	25	8	İ
State and local government enterprises	1	7	1 4	33 2	8	74	5 31	12 559	11 6	1
Noncomparable imports Scrap, used and secondhand goods		ļ	ļ	ļ	Ž	5	8	ļ	ļž	
Government industry						ł				
Household industry										Ţ
Inventory valuation adjustment		\$1 002	3,927	7717	1 425	1 040	12 720	21 504	2 007	
Total intermediate inputs		51,093 43,529	3,927	7,717 8,881	1,425 1,075	1,868 900	13,738	31,596 103,217	2,987 4,097	
Value added	21,982	43.329								

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

by Industries, 1985

New con- struction	Repair and maintenance 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
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1,025	1,972	1	59,349 21,616 1,470 7	3,359	94 873 2	60 13 (*)	10 347 1		4,666 102	(*)	1		39 3	1	1	119 42 260 136
1,917	1,728	12	152 16 19	9	41	5	7	2	9	1	6	1	3 344 238 44	5	5	545 336 3,183 307 1,785
594 23 10	211 1 3	76 1,852 1	852 49,725	14	125 (*) 2	31	102 (*) 11	23	175 (*) 4	(*)	54 30	49	379 405	90	188	416 (*) 525
1,892 38 87 20,859	470 11 72 2,899	2 1 17	15 17 73 35 52	3,612 2 (*)	11,882 238 6	2,282 802 100 24	11,384 141 9,364 834	4,092 1,092 125 455 21	55 14 14,785	(*)	958 205 45 50 1,916	5 221 10 1 913	757 412 15 3 3,672	2	47 92 9 1 2	2 38 72
105 783 958 9	34 187 500 4 2	24	3,485 6,989 1,867	231 110 195	60 285 24	81 83 16	213 251 83	47 132 35 30 135	40 123 33	(*) 39 2	8 33 40 167	4 2 122 27 181	(*) 12,456 1,089 76	8,476 795 28 507	16,806 270 10,056	781 354 194
748 94 2,897 7,670 1,332	488 45 2,304 3,934	9 40 62 79 32 2 5 120	2,229 66 1,376	193 25 14	839 5,997 86 3 298	495 3,012 27 4 107	102 1,676 176 (*) 281	30 135	902 29 296 641	4	34 46 76 171 97	21 90 7 132 72 673	2,236 1,517 126 19 1,925	507 188 39 255	2,168 13	22,234 781 346 167 2,060 748
1,332 3 288 20,842	1,068 1 214 5,742	(*) 2 33 597 488	3,984 2 3,951 87	(*) 2 1	463 8 149 10	522 34	320 257 5	509 162	393 9 63 314	(*)	980 63 91 74 295	673 5 221 51	2,092 1 2 130	51 1 (*) 12	523 791 6 3 (*)	7
4,855 3,725 22,247	1,146 1,033 7,495 62	597 488 121 226	8 1 8,884	1	1	1 29	1		35 13 126 411	3	106	1,292 187	1 86	100 55	(*) 31 25 36	36 138 245 914 656
144 6,757	3,358	226 58	635 940	90	7	2	34	1	1,150	3	87 837	534	508	102	179	246
1,221 57 1,367 206	50 475 19 221 76	133 201 165	3 46 154 119 161	1 3 21 3	36 16 185	7 133 25	3 14 84 6 45 2	5 9	5 17 112 41 42 125	1 1	13 10 11 28	47 74 48	(*) 30 302 158 94	78 103 40	17 527 10 47	19 655 323 63
4,047 2,365 1,052 5,440 1,446	1,852 870 544 1,911 464	152 4 1,752	(*) 24 3	(*) (*)	(*) 5 (*) 15	1 (*)	43 6 1	1 (*)	21 27 25 1	(*)	3	41 5 1	7	(*) 2 1	(*) 10 5	19 655 323 63 5 92 36 (*) 4
308 315	96 137	1,752 472 9 41 2,607	3 14	(*) 1	15 1 2	(*)	3 5		14 53	(*)	(*) 2	1	4 9	1 3	10 19	(*)
4 1,158 19 590 6,625 1,401	506 7 196 2,280 693	13 68 9 433 132	57 17 19 6,631 645	3 1 1 124 12	11 4 5 324 177	1 5 1 308 28	10 8 875 503 513	3 1 33 139 45	3 14 8 11 1,067 82	1 (*) (*) 13 2	8 2 21 322 89	4 1 1 267 64	35 15 5 2,318 165	5 5 3 776 52	10 1,019 177 2,475 1,143	97 14 4 3,758 220
1,609 26,087 2,501 1,012 475 46,412 190 950	613 9,600 633 396 123 3,386 61 178	501 489 124 177 58 1,189 208 32	5,830 17,115 1,790 1,283 822 12,094 708 679	85 196 145 59 112 1,268 24 39 2	1,339 1,511 233 139 58 1,606	397 609 78 67 24 398 40 28	707 2,243 552 590 203 1,804 245 142		1,261 2,498 391 239 89 1,014 153 245	13 37 13 6 3 28 6	238 845 326 181 60	272 616 300 176 46 929 75 93 8 25	4,331 4,179 358 400 263 2,135 173 218	367 427 64 136	1,225 3,934 1,057 2,158 738 7,480 2,075 470	7,749 3,716 836 816 228 3,715 500
2 10 236 136 1	1 5 72 40 (*)	14 21 10	7 118 447 309 4,363	2 11 50 5 4	151 71 (*) 53 65 25 41 36	3 35 12 157 128	4 43 294 15 67	65 41 92	1 80 49 11 13	3 2 (*)	88 103 19 44 46 5 24	8 25 50 3 3	5 60 91 85 98 1,008	1 4 32 8 20	26 243 1,953 32 53	12 119 98 46 770 65
207 507	60,488	13,089	222 707	10,222	27,665	10,226	2/ 427	9,082	32,097	200	0.017	7 075	AE 107	12 200	50.364	£1 755
207,587 156,637 364,224	60,488 67,036 127,525	13,409 13,409 26,498	222,787 73,312 296,099	14,206 24,428	9,206 36,871	3,061 13,287	34,637 19,469 54,10 6	3,954 13,037	17,348 49,445	390 187 576	9,817 5,812 15,628	7,975 7,002 14,977	45,126 24,592 69,718	13,388 8,991 22,379	58,256 54,318 112,574	61,755 27,348 89,103

Table 1.—The Use of Commodities

2 Other agricultural products. 4 Agricultural, forestry, and fishery servic from and ferroalloy ores mining. 5 Coal mining. 6 Nonferrous metal ores mining. 7 Coal mining. 7 Coal mining. 8 Conde petroleum and natural gas. 9 Stone and clay mining and quarrying. 1 New construction. 1 Repair and maintenance construction. 2 Condance and accessories. 3 Ordnance and accessories. 4 Food and kindred products. 5 Tobacco manufactures. 5 Tobacco manufactures. 5 Tobacco manufactures. 6 Broad and narrow fabrics, yarn and thre. 7 Miscellaneous textile goods and floor or. 8 Apparel. 9 Miscellaneous fabricated textile product. 10 Lumber and wood products, except con. 11 Wood containers. 12 Household furniture. 13 Other furniture and fixtures. 14 Paper and allied products, except con. 15 Paper and allied products, except con. 16 Paper and allied products, except con. 17 Paper and allied products. 18 Paper and allied products. 19 Printing and publishing. 10 Chemicals and selected chemical product. 19 Printing and publishing. 10 Printing and publishing. 10 Printing and products. 11 Petroleum refining and related industrie Rubber and miscellaneous plastics products. 12 Household furniture and selected industrie Rubber and miscellaneous plastics products. 13 Leather tanning and finishing. 14 Fortower and other leather products. 15 Iliass and glass products. 16 Stone and clay products. 17 Primary iron and steel manufacturing. 18 Primary iron and steel manufacturing. 19 Primary iron and steel manufacturing. 19 Primary iron and steel manufacturing. 10 Printing and printing and finishing. 10 Healing, plumbling, and fabricated structure. 10 Screw machiner products and stampings. 11 Petroleum refining and related industrie and printing and printing and printing and printing and finishing. 10 Healing, plumbling, and fabricated structure. 10 Trinsporticion and mining machinery. 11 Metal containers. 12 Construction and mining machinery. 13 Electric lindustry machinery and equipment. 14 Con	inputs to an industry, or 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
2 Other agricultural products. 4 Agricultural, forestry, and fishery servic from and ferroalloy ores mining. 5 Coal mining. 6 Nonferrous metal ores mining. 7 Coal mining. 7 Coal mining. 8 Conde petroleum and natural gas. 9 Stone and clay mining and quarrying. 1 New construction. 1 Repair and maintenance construction. 2 Condance and accessories. 3 Ordnance and accessories. 4 Food and kindred products. 5 Tobacco manufactures. 5 Tobacco manufactures. 5 Tobacco manufactures. 6 Broad and narrow fabrics, yarn and thre. 7 Miscellaneous textile goods and floor or. 8 Apparel. 9 Miscellaneous fabricated textile product. 10 Lumber and wood products, except con. 11 Wood containers. 12 Household furniture. 13 Other furniture and fixtures. 14 Paper and allied products, except con. 15 Paper and allied products, except con. 16 Paper and allied products, except con. 17 Paper and allied products. 18 Paper and allied products. 19 Printing and publishing. 10 Chemicals and selected chemical product. 19 Printing and publishing. 10 Printing and publishing. 10 Printing and products. 11 Petroleum refining and related industrie Rubber and miscellaneous plastics products. 12 Household furniture and selected industrie Rubber and miscellaneous plastics products. 13 Leather tanning and finishing. 14 Fortower and other leather products. 15 Iliass and glass products. 16 Stone and clay products. 17 Primary iron and steel manufacturing. 18 Primary iron and steel manufacturing. 19 Primary iron and steel manufacturing. 19 Primary iron and steel manufacturing. 10 Printing and printing and finishing. 10 Healing, plumbling, and fabricated structure. 10 Screw machiner products and stampings. 11 Petroleum refining and related industrie and printing and printing and printing and printing and finishing. 10 Healing, plumbling, and fabricated structure. 10 Trinsporticion and mining machinery. 11 Metal containers. 12 Construction and mining machinery. 13 Electric lindustry machinery and equipment. 14 Con	Industry number	28	29	30	31	32	33	34	35	36
3 Forestry and fishery products 4 Agricultural, forestry, and fishery servic 5 Iron and ferroalloy ores mining. 6 Coal mining. 7 Coal mining. 8 Crude petroleum and natural gas. 9 Stone and clay mining and quarrying. 10 Chemical and fertilizer mineral mining. 11 New construction. 12 Repair and maintenance construction. 12 Repair and maintenance construction. 13 Ordnance and accessories. 14 Food and kindred products. 15 Tobacco manufactures. 16 Broad and narrow fabrics, yarn and thr 16 Miscellaneous textile goods and floor of Apparel. 18 Miscellaneous fabricated textile product Lumber and wood products, except contuined to the control of the con			35 95			••••••		•••••		
5 Iron and ferroalloy ores mining			95 18	30				•••••••••••••••••••••		1
6 Nonferrous metal ores mining. 7 Coal mining. 8 Crude petroleum and natural gas. 9 Crude petroleum and natural gas. 9 Stone and clay mining and quarrying. 10 Chemical and fertilizer mineral mining. 11 New construction. 12 Repair and maintenance construction. 13 Ordnance and accessories. 14 Food and kindred products. 15 Tobacco mandactures. 16 Broad and narrow fabrics, yarn and thr 17 Miscellaneous textile goods and floor or Apparel. 18 Miscellaneous textile goods and floor or Apparel. 19 Miscellaneous fabricated textile product Lumber and wood products, except contained the wood containers. 10 Under and wood products, except containers. 11 Household furniture. 12 Other furniture and fixtures. 13 Other furniture and fixtures. 14 Paper and allied products, except containers. 15 Paper and allied products, except containers and boxes. 16 Printing and publishing. 17 Chemicals and selected chemical products. 18 Paper and allied products materials. 19 Drugs, cleaning and toilet preparations. 19 Parts and allied products. 20 Patris and allied products. 21 Perroleum refining and related industrie Rubber and miscellaneous plastics products. 22 Rubber and miscellaneous plastics products. 23 Leather tanning and finishing. 24 Perroleum refining and related industrie Rubber and miscellaneous plastics products. 25 Glass and glass products. 26 Glass and clay products. 27 Primary iron and steel manufacturing. 28 Primary nonferrous metals manufacturing. 29 Primary nonferrous metals manufacturing. 20 Heating, plumbing, and fabricated struc Screw machine products and stampings. 20 Unter fabricated metal products. 21 Sines and turbines. 22 Construction and mining machinery and equipment. 23 Construction and mining machinery and equipment. 24 General industrial machinery and equipment. 25 Construction and mining machinery and equipment. 26 Glass and gasen machinery. 27 Electric lighting and wiring equipment. 28 Primary nonferrous metals manufacturing. 29 Primary inonferrous metals manufacturing. 20 Primary inonferrous metals manufa	ces	1	i	(*)	1	1			1	3
Crude petroleum and natural gas. Crude petroleum and natural gas. Crude petroleum and natural gas. Chemical and fertilizer mineral mining. Repair and maintenance construction. Cordinance and accessories. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and kindred products. Food and hindred products, except containers and boxes. Household furniture and fixtures. Household furniture and fixtures. Food and lied products, except containers and boxes. For inting and publishing. Food printing and publishing. Food publishing and fabricated structing. Food publishing and fabricated		1		19						5
9 Stone and clay mining and quarrying. Chemical and fertilizer mineral mining. New construction Repair and maintenance construction Repair and maintenance construction Repair and maintenance construction Repair and maintenance construction Repair and maintenance construction Repair and maintenance construction Repair and maintenance construction Repair and maintenance construction Repair and an accossories. Product and floor can discovere and floor can discovere and floor can discovere and floor can discovere and containers and boxes Reper and allied products, except containers and subcovered and publishing. Paper and allied products except containers and subcovered and publishing. Printial and publishing. Printial and publishing. Printial and publishing machinery and equipment and the products and standing and related industrie Repair and allied products. Printial and allied products Reper and allied products and standing and related industrie Repair and allied products. Some and clay products Printial and steel manufacturing. Printial pri		134 1.022	21	138	18 106,921	39 222	1	1	1	366
1 New construction 2 Repair and maintenance construction 3 Ordnance and accessories. 4 Food and kindred products. 5 Tobacco manufactures 5 Tobacco manufactures 6 Hoad and narrow fabrics, yarn and thr 7 Miscellaneous textile goods and floor of 8 Apparel. 9 Miscellaneous fabricated textile product 10 Lumber and wood products, except con 11 Wood containers 12 Household furniture 13 Other furniture and fixtures. 14 Paper and allied products, except containers 15 Paperboard containers and boxes. 16 Printing and publishing. 17 Chemicals and selected chemical products and selected chemical products. 18 Paper and allied products. 19 Printing and publishing. 10 Printing and publishing. 10 Printing and publishing. 11 Petroleum refining and related industrie Rubber and miscellaneous plastics products. 12 Petroleum refining and related industrie Rubber and miscellaneous plastics. 13 Perroleum refining and related industrie Rubber and miscellaneous plastics. 14 Primary iron and steel manufacturing. 15 Primary iron and steel manufacturing. 16 Primary iron and steel manufacturing. 17 Primary iron and steel manufacturing. 18 Primary nonferrous metals manufacturing. 19 Primary nonferrous metals manufacturing. 19 Primary nonferrous metals manufacturing. 10 Healing, plumbing, and fabricated structure. 10 Screw machine products and stampings. 11 Perinting and machinery and equipment. 12 Screw machine products and stampings. 13 Engines and turbines. 14 Farm and garden machinery and equipment. 15 Miscellaneous machinery and equipment. 16 Materials handling machinery and equipment. 17 Miscellaneous machinery and equipment. 18 Miscellaneous machinery and equipment. 19 Miscellaneous machinery and equipment. 20 Construction and mining machinery. 21 Electric lighting and wiring equipment. 22 Scientific and controlling instruments. 23 Electric lighting and broadcasting. 24 Heating, ophthalmic, and photographic of More and Instruments. 25 Electric lighting and photographic of Miscellaneous electrical machinery. 26 Miscellaneous electrical			29	37	420 12	222 33 10			284 6	1,810 97
3 Ordnance and accessories. 4 Food and kindred products. 5 Tobacco manufactures. 5 Tobacco manufactures. 6 Proda and narrow fabrics, yarn and thre 7 Miscellaneous textile goods and floor of a Apparel. 6 Miscellaneous fabricated textile product of Wood containers. 6 Miscellaneous fabricated textile product of Wood containers. 7 Household furniture. 8 Household furniture. 9 Determiture and fixtures. 9 Paper and allied products, except containers. 10 Paper and allied products, except containers. 11 Paper and allied products, except containers. 12 Printing and publishing. 13 Paper and allied products. 14 Paper and allied products. 15 Paper and allied products. 16 Printing and publishing. 17 Printing and publishing. 18 Printing and publishing. 19 Printing and fulled products. 19 Printing and finishing. 10 Printing and finishing. 10 Printing and finishing. 11 Petroleum refining and related industrie Rubber and miscellaneous plastics products. 12 Printing and finishing. 13 Printing and finishing. 14 Printing and finishing. 15 Printing and finishing. 16 Printing and finishing. 17 Printing from and steel manufacturing. 18 Printing from and steel manufacturing. 19 Printing from and steel manufacturing. 19 Printing from and steel manufacturing. 10 Printing from and fabricated structure. 10 Printing from and fabricated structure. 11 Office, computing, and accounting machinery and equipment. 12 Screw machine products and stampings. 13 Electric lighting and machinery and equipment. 14 Printing from and printing machinery and equipment. 15 Printing from and printing machinery and equipment. 16 Materials handling machinery and equipment. 17 Printing from and printing machinery. 18 Printing from and printing machinery and equipment. 19 Moleslaneous manufacturing. 20 Printing and machinery and equipment. 21 Printing from and printing machinery and equipment. 22 Printing from and printing machinery and equipment. 23 Printing from and printing from and printing from and printing from and and accessories. 24 Miscellaneous electrica	***************************************									•••••
4 Food and kindred products. 5 Tobacco manufactures. 5 Tobacco manufactures. 6 Broad and narrow fabrics, yarn and thre 7 Miscellaneous fabricated textile product 8 Miscellaneous fabricated textile product 10 Wood containers and wood products, except containers 11 Household furniture 12 Household furniture 13 Other furniture and fixtures. 14 Paper and allied products, except containers and boxes 15 Printing and publishing. 16 Printing and publishing. 17 Chemicals and selected chemical product 18 Papers and allied products except containers and boxes 19 Printing and publishing in the products of the printing and publishing. 10 Printing and publishing in the products of the printing and related industrie 10 Printing and allied products 11 Petroleum refining and related industrie 12 Rubber and miscellaneous plastics prod 13 Leather tanning and finishing. 14 Footwear and other leather products. 15 Glass and glass products. 16 Glass and glass products. 17 Primary inon and steel manufacturing. 18 Primary nonferrous metals manufacturing. 19 Metal containers. 10 Heating, plumbing, and fabricated struct structs. 10 Screw machine products and stampings. 11 Other fabricated metal products. 12 Express and turbines. 13 Engines and turbines. 14 Farm and garden machinery and equipment. 15 Miscellaneous machinery and equipment. 16 Miscellaneous machinery and equipment. 17 Miscellaneous machinery and equipment. 18 Electric industrial machinery and equipment. 19 Miscellaneous electrical machinery and equipment. 20 Miscellaneous electrical machinery and equipment. 21 Electric industrial machinery and equipment. 22 Service industry machines. 23 Miscellaneous electrical machinery and equipment. 24 Household appliances. 25 Electric industrial machinery and equipment. 26 Miscellaneous electrical machinery and equipment. 27 Hotels: personal and repair services (ex Business services. 28 Miscellaneous electrical machinery. 29 Private electric, gas, water, and sanitary. 20 Wholesale and reta		166	107	41	615	237	4	12	64	316 61
6 Broad and narrow fabrics, yarn and thr Miscellaneous textile goods and floor of Apparel. Miscellaneous fabricated textile product Uniber and wood products, except con Wood containers Other furniture and fixtures. Depart and allied products, except containers Paper and allied products, except containers Paper and publishing. Printing and publishing. Plastics and synthetic materials. Plastics and synthetic materials. Plastics and synthetic materials. Plastics and synthetic materials. Plastics and synthetic materials. Printing and related industric retrieve and tollet preparations. Paper and allied products Petroleum refining and related industric Retrieve and Captainers Petroleum refining and related industric Retrieve and Captainers Petroleum refining and related industric Retrieve and Captainers Petroleum refining and related industric Retrieve and Captainers Primary inon and steel manufacturing. Primary inon and steel manufacturing Metal containers Primary inon and steel manufacturing Metal containers Primary inon and steel manufacturing Metal containers Construction and mining machinery and equipment Metal working machinery and equipment General industrial machinery equipment General industrial machinery equipment Electric industrial machinery equipment Electroic components and accounting machinery endous proposed in development and appart Household appliances Electroic industrial machinery and equipment Electroic components and accounting machinery endous proposed in the private electric, gas, warr, and sanitary Wholesale and retail machinery and equipment and appart of the private electric, gas, warr, and sanitary Wholesale and retail rade. Finance and insurance. Real estate and rental Health, educational, and social services. Amusements and repair and services. Rusheals and retail condenses.		61	858	223	39	17	460	16	1	26
Marcial and subministry machinery and equipmen Miscellaneous fabricated textile product University of the Marcian and Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Marcian Indiana Indi	ead mills	107			27	931		202		183
Lumber and wood products, except con Wood containers Household furniture Other furniture and fixtures. Paper and allied products, except containers and appeared containers and boxes Printing and publishing. Chemicals and selected chemical product Plastics and synthetic materials. Printing and publishing. Chemicals and selected chemical product Plastics and synthetic materials. Petroleum refining and related industrie Rubber and minscellaneous plastics prod Leather tanning and finishing. Footwear and other leather products. Stone and clay products Stone and clay products Stone and clay products Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary iron and steel manufacturing. Beating plumbing, and fabricated structure and capting machinery and equipment Special industry machinery and equipment Special industrial machinery and equipment Special industrial machinery equipment Miscellaneous manufacturing and secsionics. Service industry machinery and accounting mac Service industry machinery. Electric industrial equipment apparate Household appliances Belectric industrial equipment apparate Household appliances Belectric industrial equipment apparate industrial equipment apparate industrial equipment apparate industrial equipment and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and particular and p		7	14 1	(*)	1	965 18	(*)	193 13	6	(*) 8
Wood containers Household furniture Other furniture and fixtures. Apper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Paper and allied products, except containers Painting and publishing. Priming and publishing. Priming and publishing. Primats and allied products Petroleum refining and related industrie Rubber and miscellaneous plastics products Petroleum refining and related industrie Rubber and miscellaneous plastics products Brimary and other leather products. Glass and glass products Stone and clay products Primary iron and steel manufacturing. Primary iron and steel manufacturing. Primary nonferrous metals manufacturing. Heating, plumbing, and fabricated structory Screw machine products and stampings Other fabricated metal products. Engines and turbines. Parm and garden machinery. Materials handling machinery and equipment Metal containers and equipment of the most of the containers of the con	ts	2 19	3 6	1	39	12 248		42	130	212
Other furniture and fixtures		ļ		***************************************		270		1	57	(*)
l Paper and allied products, except contains Paperboard containers and boxes. Printing and publishing										
Printing and publishing. Chemicals and selected chemical product Plastics and synthetic materials	iners	424 301	424 1,082	17 82	141 469	913 1,041	(*) 10	45 81	20 518	576 175
Plastics and synthetic materials Drugs, cleaning and toilet preparations. Paints and allied products. Petroleum refining and related industrie Rubber and miscellaneous plastics prod Leather tanning and finishing. Footwear and other leather products Glass and glass products Stone and clay products Primary iron and steel manufacturing Primary iron and steel manufacturing Primary iron and steel manufacturing Primary nonferrous metals manufacturin Metal containers. Heating, plumbing, and fabricated struc Screw machine products and stampings Other fabricated metal products. Engines and turbines Farm and garden machinery Materials handling machinery Materials handling machinery and equipmen Special industry machinery and equipmen Special industry machinery and equipmen Miscellaneous machinery, except electric Office, computing, and accounting mac Service industry machines and accounting mac Service industry machines. Electric industrial equipment and appara Household appliances. Electric industrial equipment and appara Household appliances. Electric industrial equipment and appara Miscellaneous electrical machinery and Motor vehicles and equipment. Adircraft and parts. Other transportation equipment. Aircraft and parts. Other transportation equipment. Aircraft and parts. Other transportation equipment. Aircraft and parts. Other transportation and warehousing Transportation and warehousing Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and rental Hotels; personal and repair services (ex Business services Eating and drinking places Eating and drinking places Eating and drinking places State and local government enterprises. Noncomparable imports.		. 21	201	66 2,685	22	70	2	18	30	42 889 262 36 78
Paints and allied products Petroleum refining and related industrie Rubber and miscellaneous plastics prod Leather tanning and finishing Footwear and other leather products Stone and clay products Primary iron and steel manufacturing Primary iron and steel manufacturing Primary iron and steel manufacturing Primary iron and steel manufacturing Heating, plumbing, and fabricated struc Screw machine products and stampings Other fabricated metal products Engines and turbines Engines and turbines Erarn and garden machinery Materials handling machinery Materials handling machinery and equipmen Special industry machinery and equipmen Special industry machinery and equipmen Special industry machinery and equipmen Miscellaneous machinery, except electri Office, computing, and accounting mac Service industry machines Electric industrial machinery equipmen Miscellaneous machinery, except electri Office, computing, and accounting mac Service industry machines Electric lighting and wiring equipment Miscellaneous electrical machinery and Motor vehicles and equipment Aircraft and parts Optical, ophthalmic, and photographic of Miscellaneous electrical machinery and Motor vehicles and equipment Optical, ophthalmic, and photographic of Miscellaneous methousing Ortical, ophthalmic, and photographic of Miscellaneous and devision broadcasting Transportation and warehousing Transportation and warehousing Private electric, gas, water, and sanitary Wholesale and retail trade Finance and insurance Real estate and retail trade Finance and insurance Real estate and retail trade Finance and drinking places Automobile repair and services State and local government enterprises. Noncomparable imports.		12,683 1,254 143	4,576 142	644	4,007 33	3,388 14,116	116	53 79	736	889 262
Petroleum refining and related industric Rubber and miscellaneous plastics prod Leather tanning and finishing. Footwear and other leather products. Stone and clay products Stone and clay products Stone and clay products Stone and clay products Stone and clay products Stone and clay products Stone and clay products Frimary iron and steel manufacturing. Primary nonferrous metals manufacturing the total continuous metals manufacturing the total continuous metals manufacturing. Primary nonferrous metals manufacturing the total continuous metals manufacturing. Core machine products and stampings Other fabricated metal products. Engines and turbines. Farm and garden machinery. Construction and mining machinery. Construction and mining machinery. Materials handling machinery and equipmed special industrial machinery and equipmed special industrial machinery equipmen Miscellaneous machinery, except electric Office, computing, and accounting mac Service industry machines. Electric lighting and wiring equipment. Radio, TV, and communication equipment. Radio, TV, and communication equipment. Scientific and controlling instruments. Other transportation equipment. Aircraft and parts. Other transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Transportation and retail trade. Finance and insurance Real estate and retail trade. Finance and insurance Real estate and retail trade. Finance and insurance Real estate and retail trade. Finance and insurance Real estate and retail trade. Finance and insurance manufacturing. Transportation and services. Automobile repair and services. Automobile repair and services. State and local government enterprises. Noncomparable imports.		143	3,645 66	26 140	660	22 51	36	18	24	36
Glass and glass products Primary iron and steel manufacturing. Primary iron and steel manufacturing Primary iron and steel manufacturing Primary nonferrous metals manufacturin Metal containers Heating, plumbing, and fabricated struc Screw machine products and stampings Other fabricated metal products Engines and turbines. Farm and garden machinery Materials handling machinery and equipmen Miscellaneous machinery and equipmen Special industry machinery and equipmen Miscellaneous machinery, except electric Office, computing, and accounting mac Service industry machines Electric industrial equipment and appart Household appliances Electric industrial equipment and appart Household appliances Electric industrial equipment Miscellaneous electrical machinery equipment Aircraft and parts Other transportation equipment Aircraft and parts Other transportation equipment Miscellaneous electrical machinery Transportation and warehousing Transportation and hotographic of Miscellaneous nanufacturing Transportation and photographic of Miscellaneous nanufacturing Transportation and photographic of Miscellaneous and television broadcasting Private electric, gas, water, and sanitary Wholesale and retail trade Finance and insurance Real estate and rental Hotels; personal and repair services (ex Business services Eating and drinking places Automobile repair and services State and local government enterprises Noncomparable imports.	ae	73 680 896	542 2,056	226 42	10,925	915	17	12	205 73	751 223
Glass and glass products Primary iron and steel manufacturing. Primary iron and steel manufacturing demand in the primary iron and steel manufacturing. Primary iron and steel manufacturing demands of the primary iron and steel products and stampings Other fabricated metal products. Engines and turbines. Farm and garden machinery. Materials handling machinery and equipment of the products and turbines. Materials handling machinery and equipment of the products and the products and the products and the products and the products and the products and the products and equipment of the products and the products and equipment of the products and the p	lucts	890	2,036	42	259	4,634 2	(*) 75	469 1,210	/3	· ·
Stone and clay products Primary iron and steel manufacturing Primary non and steel manufacturing Primary non and steel manufacturing Heating, plumbing, and fabricated struc Screw machine products and stamping Other fabricated metal products Engines and turbines Engines and turbines Farm and garden machinery. Construction and mining machinery and equip Metalworking machinery and equipmen Special industry machinery and equipmen Miscellaneous machinery, except electri General industrial machinery equipmen Miscellaneous machinery, except electri Office, computing, and accounting mac Service industri machinery equipment Electric lighting and wiring equipment Radio, TV, and communication equipm Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts Other transportation equipment. Scientific and controlling instruments Optical, ophthalmic, and photographic of Miscellaneous manufacturing Transportation and warehousing Transportation and warehousing Transportation and warehousing Transportation and retail trade. Finance and insurance Real estate and retail trade. Finance and drinking places Automobile repair and services (ex Business services Eating and drinking places Automobile repair and services State and local government enterprises. Noncomparable imports.			584	1 8	50	9 584		483	1,141	(*) 36
Primary nonferrous metals manufacturin Metal containers. Heating, plumbing, and fabricated structures of the products and stampings. Other fabricated metal products		29	21	85	214	218	4	4	127	4,672
Metal containers Heating, plumbing, and fabricated struc Screw machine products and stampings Other fabricated metal products Engines and turbines Engines and turbines Engines and turbines Engines and turbines Construction and mining machinery Materials handling machinery and equipmen Miscellaneous machinery and equipmen Miscellaneous machinery, except electri Office, computing, and accounting mac Service industry machines Electric industrial equipment and appara Household appliances Electric lighting and wiring equipment. Radio, TV, and communication equipment Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts Other transportation equipment. Scientific and controlling instruments. Optical, ophthalmic, and photographic of Miscellaneous manufacturing Transportation and warehousing Transportation and warehousing Transportation and warehousing Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and retail trade. Finance and drinking places Eating and drinking places Suate and Social services Leating and drinking places State and local government enterprises. Noncomparable imports.	ng	. 10	4	85 39 59	20	541 78		(*)	2 5	4,672 200 213
Screw machine products and stampings Other fabricated metal products. Engines and turbines. Engines and turbines. Engines and turbines. Engines and turbines. Engines and turbines. Earm and garden machinery Materials handling machinery and equipmen Metalworking machinery and equipmen Miscellaneous machinery, except electric flooring machinery, except electric flooring machinery, except electric industrial machinery equipment Miscellaneous machinery, except electric industrial equipment and accounting mac Service industrial equipment and appart Household appliances. Electric lighting and wiring equipment. Radio, TV, and communication equipment electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Optical, ophthalmic, and photographic of Miscellaneous manufacturing. Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance. Eael estate and rental trade. Finance and drinking places. Eating and drinking places.	ntural metal neoducts	. 80	812 12	477	420	66				12
Engines and turbines. Farm and garden machinery Construction and mining machinery and equipment of the machinery and equipment of the machinery machinery and equipment of the machinery machinery and equipment of the machinery machinery and equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery equipment of the machinery end of the machinery	5		173	14		201	***************************************	17	25	14
Farm and garden machinery. Construction and mining machinery Materials handling machinery and equipmen Special industry machinery and equipmen Special industry machinery and equipmen General industrial machinery equipmen Miscellaneous machinery, except electri Office, computing, and accounting mac Service industrial equipment and appan Household appliances Electric industrial equipment and appan Household appliances Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Other transportation equipment. Miscellaneous manufacturing Transportation and warehousing Miscellaneous manufacturing Transportation and warehousing Transportation and warehousing Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and rental trade. Finance and insurance Easing and drinking places. Automobile repair and services Lating and drinking places. Health, educational, and social services. Health, educational, and social services State and locourment enterprises. State and local government enterprises. Noncomparable imports.		51	374	47	320	395 22	(*)	56	7	415
Materials handling machinery and equipmen Special industry machinery and equipmen Special industry machinery and equipmen General industrial machinery equipmen Miscellaneous machinery, except electrio Office, computing, and accounting mac Service industry machines. Electric industry machines. Electric industry machines. Electric lighting and wiring equipment. Adio, TV, and communication equipment Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Other transportation equipment of Miscellaneous manufacturing. Transportation and warehousing. Transportation and warehousing. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and rental trade. Finance and insurance (exal services (exal susiness services. Eating and drinking places. Lating and drinking places. Leating and services. Ederal Government enterprises. State and local government enterprises. State and local government enterprises.	***************************************									136
Special industry machinery and equipmen General industrial machinery, except electric Office, computing, and accounting mac Service industry machines	pment			1		6 201		(*)		4
Miscellaneous machinery, except electric forfice, computing, and accounting mac Service industry machines. Electric industrial equipment and appart Household appliances. Electric lighting and wiring equipment. Radio, TV, and communication equipment lectronic components and accessories, Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment Scientific and controlling instruments. Optical, ophthalmic, and photographic Miscellaneous manufacturing. Transportation and warehousing. Transportation and warehousing. Transportation and elevision broadcasting. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance. Real estate and rental. Hotels; personal and repair services (ex Business services. Eating and drinking places	nent	10 14	14	1	9	187	1	3.	50 73 11	31
Office, computing, and accounting mac Service industry machines Electric industrial equipment and appan Household appliances Electric lighting and wiring equipment. Radio, TV, and communication equipment. Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment Aircraft and parts Other transportation equipment Scientific and controlling instruments Optical, ophthalmic, and photographic of Miscellaneous manufacturing. Transportation and warehousing Communications, except radio and TV. Radio and television broadcasting. Transportation and retail trade Finance and insurance Real estate and rental Hotels; personal and repair services (ex Business services Eating and drinking places Automobile repair and services Amusements Health, educational, and social services State and local government enterprises State and local government enterprises	nt	. 186 31	140 26	10	195 28	54 285	2	1 14	11 64	96
Electric industrial equipment and appara Household appliances Electric lighting and wiring equipment. Radio, TV. and communication equipm Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Other transportation equipment. Scientific and controlling instruments. Coptical, ophthalmic, and photographic of Miscellaneous manufacturing. Transportation and warehousing. Transportation and warehousing. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance. Real estate and rental trade. Hotels; personal and repair services (ex Business services. Bating and drinking places. Automobile repair and services. Health, educational, and social services. Health, educational, and social services. State and local government enterprises. Noncomparable imports.	chines	. 2	26 5	(*)		3	(*)	(*)	i] 3
Electric lighting and wiring equipment. Radio, TV, and communication equipm Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Optical, ophthalmic, and photographic of Miscellaneous manufacturing. Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and rental Hotels; personal and repair services (ex Business services. Eating and drinking places Automobile repair and services. Health, educational, and social services Health, educational, and social services State and local government enterprises. Noncomparable imports.	ratus					3			26	13
Electronic components and accessories. Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Optical, ophthalmic, and photographic Miscellaneous manufacturing in Transportation and warehousing. Transportation and warehousing. Transportation and warehousing. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance. Real estate and rentail trade. Hotels; personal and repair services (ex Business services		2	(*)	(*)	13	(*) 106	(*)	1	9	47
Miscellaneous electrical machinery and Motor vehicles and equipment. Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Optical, ophthalmic, and photographic of Miscellaneous manufacturing. Transportation and warehousing. Communications, except radio and TV. Radio and television broadcasting. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and rental. Hotels; personal and repair services (ex Business services. Eating and drinking places Automobile repair and services. Annusements Health, educational, and social services Federal Government enterprises. State and local government enterprises. Noncomparable imports.	ent	(*)	i	(*)	(*)	33		(*)	i	(*)
Aircraft and parts. Other transportation equipment. Scientific and controlling instruments. Optical, ophthalmic, and photographic wiscellaneous manufacturing. Transportation and warehousing. Communications, except radio and TV. Radio and television broadcasting. Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance. Real estate and rental. Hotels; personal and repair services (ex Business services. Eating and drinking places. Automobile repair and services. Amusements. Health, educational, and social services Federal Government enterprises. State and local government enterprises. Noncomparable imports.	l supplies		5		1	14		,	(*)	_
Other transportation equipment Scientific and controlling instruments Optical, ophthalmic, and photographic of Miscellaneous manufacturing Transportation and warehousing Transportation and warehousing Transportation and warehousing Private electric, gas, water, and sanitary Wholesale and retail trade Finance and insurance Real estate and rental Hotels: personal and repair services (ex Business services Eating and drinking places Automobile repair and services Anusements Health, educational, and social services State and local government enterprises State and local government enterprises Noncomparable imports		1	4	4	142	36	(*)		1	74
Optical, ophthalmic, and photographic Miscellaneous manufacturing. Transportation and warehousing		25	49	2	35	76	(*)	3	25	13
Transportation and warehousing Communications, except radio and TV. Radio and television broadcasting Private electric, gas, water, and sanitary Wholesale and retail trade Finance and insurance Real estate and rental Hotels; personal and repair services (ex Business services Eating and drinking places Automobile repair and services Amusements Health, educational, and social services Federal Government enterprises State and local government enterprises.	equipment	25 3 3 2	13	1	7	14 23	(*) (*) (*)	(*)	6	12
Radio and television broadcasting		. 909	1,097	397	8,123	1,792	30	(*) 77 95	445	2,870
Private electric, gas, water, and sanitary Wholesale and retail trade. Finance and insurance Real estate and rental Hotels; personal and repair services (ex Business services. Eating and drinking places. Automobile repair and services. Amusements Health, educational, and social services Federal Government enterprises. State and local government enterprises. Noncomparable imports.		. 51	196	27	243	208	2	33	42	12
Finance and insurance Real estate and rental Hotels: personal and repair services (ex Business services	y services	1,585 1,328	733 2,101	123 493	5,264 2,820	2,405 2,475	34 87	67	1,290	2,644 1,227
Real estate and rental Hotels; personal and repair services (ex Business services		. 134	557	78	1,396	486	7	220 130	547 120	384
Business services. Lating and drinking places		. 340 . 86	1,209 184	83 44	494 72	801 149	4 15	61 37	207 34	38. 8.
Automobile repair and services		1,376 159	10,196 655	488	3,197 339	2,292 400	15 28 3 2	338 43	34 445 61	1,310 20
Health, educational, and social services Federal Government enterprises State and local government enterprises Noncomparable imports		137	106	82 32	133	170	3	18	67	183
Federal Government enterprises State and local government enterprises	s and nonprofit organizations	1 46	10 284	1 16	121	5 174	1	(*)	11 29	39
Noncomparable imports		22	147 30	33	118 53	91 19	3 6	59	29	39 60 13
		92	563	69	851	961	I	ļ	. 112	10
Government industry						. 6			. 67	
Rest of the world industry			ļ						ļ	
Inventory valuation adjustment						·····	***************************************			
Total intermediate inputs	***************************************	. 24,728 8,284	34,249 23,954	7,155 3,599	149,306 32,288	43,480 26,530	952 786	4,240 2,414	7,238 6,478	21,89 18,21
Total industry output								. ~,-,-	0,770	1 10,21

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

by Industries, 1985—Continued

Primary iron and steel manu- facturing	Primary nonferrous metals manu- facturing	Metal con- tainers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construc- tion and mining machinery	Materials handling machinery and equipment	Metal- working 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	Commodity number
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	<u> </u>
	***************************************															1 2
2,596	1	(*)	1	(*)	2	I	(*)	(*)	***************************************	(*)	(*)	(*)	(*)	1	(*)	1 2 3 4 5 6 7
2,622 30	1,799 20	(*)	23 2	7	8	1	3	6	1	2	(*)	2	2	(*)	4	7 8 9
30 156 51	22 1	······································	5		6									***************************************	15	10 11
644 20 6	179 4	47	282	167 2	163	50 1	23 1	51	23	36	32		33	421	41	12 13 14
	31				1							118	29			15 16 17
12 1 95 7	4 1 117	16	5 80	4 34 73 21	14 177	4	1	1	1 8	3 10	30	7 1 47	2 1	3	2 59	18 19
7	14		29	21	2	•••••••	25 1	13 2	4	6	2	6	ĭ		58 22	21 22 22
10 55 33	34 85 38	11 40	46 188	108 189	10 465 60	23 40	3 37	3 4	3 4	5 72 29 101	4 12 24 164	68 83 33 18	7 111	211 248	21 151 27 101	23 24 25
1,698	881 708	200 9 24 7	53 59	40 157 61 14	867 119	12 1	10 2	17	14 2	101	164	18 15	30 5	139 5 89	94	26 27 28
1 24 772 79	1 42 520 369	7 263 37 25	17 158 219	115 84	15 330 221	6 84	29 20	22 43	8 60	27 116	80	8 204	2 6 70 29	85 406	60 121 468	29 30 31
79	369 (*)		386	220	1,329	58	318	300	115	108	207	278	1	2,060	468 (*) 15	10 111 112 113 115 117 119 119 119 119 119 119 119 119 119
2 469 9,691 1,008	16 167	(*) 7 2,832	429 80 7,318	23 38 6,867	54 158 4,516 2,244	(*) 97 1,252	18 907	(*) 88 2,102 84	21 774	(*) 223 1,317	22 60 838 280	1 152 2,143	(*) 221 943	2 10 125 424	112	35 36 37
1,008 4	344 14,717 1	1,606 421	3,801 742	1,120 15	2,244 11 8	467 163	105	•	143	316	L	631 166	451	1,053	1,260 1,149 146	38 39 40
182 556 18	108 440	6 140	1,089 1,408 2	1,004 534	570 1,786 57	283 185 1,582	203 118 955 393	266 93 203 590	102 77 136 116	94 101 152	134 79 246 109	288 306 143	90 243 53	35 1,288 952	461 482 67	41 42
		······		••••••		1,302	393	625	6 373	••••••••••••	8			•••••••••••••••••••••••••		44 45
12 375 58	510 23	51	213 361	407 2	306 15 52	195	68	128	65	977 377	165 414 591	318	301	314	180 646	46 47 48
58 714 348 12	429 218 1	6 37 (*)	235	47 1,117 2	301 301	345 477 3	504 221 1	1,163 118 3	580 151 1	490 3	416 2	2,265 484 3	233 1,478 2	93 254 10,108	325 2	50 51
487	181	1		51 2	160	137	81	195	252	357	7 509	816	69	2,518	1,079 1,360	52 53 54
12 (*)	16 (*)	(*)	13	35 (*)	5 1 9	1	34	1 (*)	1	31 (*) 8	(*) 31	2 1 54	2 (*)	258 3 6,411	161 (*)	55 56 57
3	1 4	(*) 1	23	68	5 4	222 83	94 181	1 225	8 2	1 3	10	(*) 2	97 32 52	38 12	(*) 1	58 59 60
4 97 11	38	2 3	75 10	10 7	18 15	2 6	2 2	3 5	2 4	26 8	5 7	50 10	6 10	58 46	270	61 62 63
1,918 69	5 1,625 89	1 298 12	24 744 173	529 186	18 15 14 680 195	1 165 33	1 151 21	210 88	5 81 29	219 59	180 81	3 340 161	285 80	46 54 1,270 432	270 9 40 341 80	64 65 66
1	2,899 2,993 378		624					243			L			881 3,061 977	301 1,315 90	67
4,420 2,771 321 277 117 1,214 121 50	378 250 100	243 488 77 92 34 224 57 24	1,955 293 381 250	655 1,214 286 207 70	414 341 113 1,469	81 52	138 759 38 64 12 206 28	89 70 25 463	41 67	124 159	187 710 127 103 33 397 70 23	403 1,125 173 210	408 287 232 61 1,291 121	977 857	90 116	70 71 72
1,214 121	1,112 (152)	224 57	1,281 216	1,051 98 107	14691	293 35	206 28	463 62 17	233 38	523 108	397 70	61 824 210	1,291 121	857 1,250 3,611 784 138	648 93	73 74
	116 2 37 51	1 12	121 11 41	107 1 69 37 10	201 120 2 41	167 566 81 52 19 293 35 40 2 6		1 4	955 445 41 67 155 233 38 32 2 4 18 2 21	323 594 124 159 40 523 108 64 2 23 19	7	70 8 32 56 7	36 29	54	116 64 648 93 18 (*) 24 13	76 77
13 73 20 60	17 152 2,770	5 5 8	72 12 45 57	10 29	72 24 67 34	3 39 39	4 19 2 69 7	21 4 117	2 21	119	36 3 49	7 48	5 6	111 29 270	6 7	78 79 80
1,164	2,770		57		34	39	7	4		9	16	7	7			68 69 71 72 73 74 75 76 77 78 80 81 82 82 83 84 85 VA
35,661	34,849	7,375 4,965	24,071	17,197	20,617	7,334 7,070	5,882	8,893 9,754	4,186	7,396	6,515	12,526	7,894	41,455	12,070	84 85 I
35,661 27,173 62,835	34,849 13,696 48,545	4,965 12,340	16,476 40,548	14,134 31,331	20,617 21,243 41,860	7,070 14,40 4	5,882 5,200 11,082	9,754 18,647	4,186 3,013 7,199	7,396 12,212 19,608	6,515 7,748 14,263	11,673 24,199	7,894 10,699 18,593	41,455 16,870 58,324	12,070 7,938 20,008	VA T
04,000	10,043		70,070	J1,001	~1.j000	14,404	11,002	10,047	7,133	17,000	17,203	24,179	10,393	30,324	20,000	<u> </u>

SURVEY OF CURRENT BUSINESS

Table 1.—The Use of Commodities

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		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 tran- portation equipmen
	Industry number	53	54	55	56	57	58	59	60	61
Livestock and livestock products			•••••						************	
Other agricultural products										
Agricultural, forestry, and fishery services		2	•••••	1	3	2	(*)	2	2	
Nonferrous metal ores mining							37			******************
Coal mining		4	6	4 }	7	2]	5	58	7	
Stone and clay mining and quarrying							***************************************	. 3		
New construction						***************************************				
Repair and maintenance construction		95	47	35	137 (*) 7	186	34	203 (*)	148	
Food and kindred products	••••	4	2	1	7	9	2	3	8	
Broad and narrow fabrics, yarn and thread mills		2	41	22.			A	25 317	120	2
Apparel		4	2	2	38	43	1	20	15	
Miscellaneous fabricated textile products Lumber and wood products, except containers		33	69	37	41		3	3,462 201	110 37	1,1
Wood containers		10	16		21 448	31		5	6 16	,
Other furniture and fixtures			36					542	29 17	1
Paper and allied products, except containers		196 126	59 256	4 241	98 200	162 197	105	153 127	17	
Printing and publishing		60 169	21 73	21 111	403 137	109	19 440	75 363	127	
Chemicals and selected chemical products		89	238	183	326	1,080 244	113	227	58 47	1
Drugs, cleaning and totlet preparations		70	146	43	52	2	25	662	82	1
Paints and allied products Petroleum refining and related industries Rubber and miscellaneous plastics products		189 493	25 914	56 467	176 3,070	280 2,668	72 470	319	357 361	1 3
Leather tanning and finishing		493	914	40/	3,070	2,008	4/0	7,745	301	
Footwear and other leather products		21	105	488	93	1 554	13	1,641	2 10	1
Stone and clay products		176	102	47	90	460	29	493	113	3
Primary iron and steel manufacturing		1,313 1,456	1,128 577	693 745	375 1,701	385 1,899	300 1,236	10,021 2,492	1,308 2,235	1,3
Metal containers		80						11	99	
Heating, plumbing, and fabricated structural metal products Screw machine products and stampings		401	326	374	536 698	70 971	23 219	12,726	601	1,
Other fabricated metal products Engines and turbines		284 91	394	289	1,030	1,231	517	3,713 1,621	552	
Farm and garden machinery				.,			*****************	13		
Materials handling machinery and equipment								20		
Metalworking machinery and equipment		179	57	104	243	243	113	459	637	
General industrial machinery equipment		110 149	88 44	5 50	381 376	28 223	115 72	1,120 1,842	480 777	
Office, computing, and accounting machines		20	1	1	337	17	2	6	15	
Service industry machines Electric industrial equipment and apparatus	·····	2,198	260 724 150	249	12 700	212	227	1,954 299	119	
Electric industrial equipment and apparatus		248	150 276	420	771	189	142	1,181	6	
Radio, TV, and communication equipment		(*) 843	(*)	(*) 278	3,454	7	(*) 775	803	2,502	
Miscellaneous electrical machinery and supplies		843	1	336	16,437 37	9,315 7	731	423 3,431	1,556. 170	
Motor vehicles and equipment		62		1	102	6	4	49,431 29	11,074	
Aircraft and parts. Other transportation equipment. Scientific and controlling instruments Optical, ophthalmic, and photographic equipment.		38	408		124	18	10	40 356	481	
Optical, ophthalmic, and photographic equipment		24	2	10	201	58	9	23	300	
Miscellaneous manufacturing		17 476	88 219	269	24 963	15 1,199	422	45 1,627	12 1,264	
Communications, except radio and TV	***************************************	129	38	43	479	315	43	94	341	
Private electric, gas, water, and sanitary services		505	314	240	956	1,349	334	1,731	992	
Wholesale and retail trade	,	1,583 365 337	869 140	855 206	3,549 519	3,167 697	814 264	7,218 670	1,382 1,101	1,
Real estate and rental		337 140	64 53	108 89	3,897 581	580 512	203 111	317 126	459 914	:
Business services		890 179	901	531	4,388	2,764	549	4,097	3,362	'
Eating and drinking places	······	179 47	70 21	89 24	663	670 264	102 44 33	196 5,064	1,215 144	1
Amusements Health, educational, and social services and nonprofit organizations	***************************************	1 15	17	1 11	14 118	41 128	33 8	27 209	34 129	•
Federal Government enterprises		55	61	28	390	125	15	225	249	
State and local government enterprises	***************************************	8 158	5 54	5 20	20 499	28 115	8 38	1,240	16 78	
Scrap, used and secondhand goods			1	29			45	135		
Rest of the world industry	************************									ļ
Household industry									!	
Total intermediate inputs		14,143 17,143	9,506 5 308	7,869 7,696	50,044 24,015	32,877 8 255	8,914 7,677	131,737	36,288	16,
Value added		17,143	5,398	7,696	24,915	8,255	7,677	57,138	1	12,
Total industry output		31,285	14,904	15,565	74,959	41,132	16,591	188,875	71,506	28,

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

by Industries, 1985—Continued

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 services	Eating and drinking places	Automobile repair and services	Amuse- ments	Health, educational, and social services and nonprofit organizations
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
		1 25	2 5				31	***************************************	21	3 39	18 24	545 1,091		52 1,088	120 187
(*)	1	5 1	(*) 10	2	1	20	1,630	9	3,137	112	19	1,111	(*)	154	23 258
6					••••••	10,841			11	••••••					32
(*)		36	224		······	32,824				••••••				·····	2
		73													
103	51	32	3,215 2 150	5,685 (*)	43	7,462 (*)	2,509 5 530	400 2 14	23,163	580 (*) 164	594 121 146	517 (*) 39,819	361	647 552	1,299 3 4,156
381			4		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1			214					64 24
287 38	13 2 1	400 50 23 93 521	62 128	68	(*)	6	69 118		4	24 530	66 66	28 87	19 67	52 24 127	579
47	1	521 5	140 40 (*)			128	68 986 21	136	6	641 129	17	25	(*)	65 111	614 76
6	•••••		(*)							2	***************************************			2 2	
327 238 107	593 157	412 435 71 429	134 63	73 22 336	9 1	83 9	4,024 1,338	854 2	116	254 81	1,051 88	419 977	47 1	32 1	1,913 157
107 183 225	36 1,532 166	71 429 674	544 140	336 18	39 14	137 680	3,294 42	4,297 12	719 299	470 217	4,467 664	195 87	31 7	124 51	8,235 5,206
3	100	(*) 150	5 39	88 62		2	191	10	7	849 1	387 96	161	642	5 1	8,636 22
196 1,219	150 1,381	193 986	17,262 1,348	62 262 158	15 1	15,034 100	9,445 1,980	978 109	718 487	698 666	2,354 815	422 1,684	1,604 192	302 159	3,290 3,600
5	1	63 58	9	1	1	1	146	19 17	5	68 199	11	2	(*)	23	40
145 90 414	238 80 69	58 19 106 529	20 74 151	28	(*) 	15	59 119 15	17 5 2	29	228 228	56 38 7	219 219	(*) 383 770	1 4	317 69 13
664	438	963	91	110	······	30 7	181			ő	70	19	*****************************	6	
49 533	20 219	5 121	83 628	131		81 195	28	23	177 9	27 154	99 317	383 94	2,961 2,016	17 26	7 201 249
479	234	350 4	628 272	55 215	1 	1,460	476 17	23	75	154	317 139 311	94	2,016 77	26	249
	·····	·····	8		······	9	134	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	263 231		***************************************	·····	1
133	28	35 17	82	2	(*)	21	72 21			***************************************	176 138	92	13	1	
39 189 21	83 59 5	66 70 2 25 91	534 238 10	92 25	1	154 45 3	24 418 177	25	12 6 5	40 704	771 159 535	295	43 776	4	20 35 24
408	73	25 91	194			(*) 188	386 2			794 38 21 638 39 35 922	37	294	735 144	10 29	l
93	43	54 7	18 82	(*) 25 2,091	1	(*) 204	35 101	53 42 32 97	46 81	638 39	266 78 236	(*) 97	307	(*) 38	28 327
970	1,734 21	110	76 72 81	2,091 727 15 251	33 377	6 3 8	95 18 172	32 97 27	(*) 	35 922	236 38 1,656 143	2	82	6 2	81 214
23 4	3	9	430 2,026	251	(*) 1	36	564	48	86 27	19	188	14 23	609 10,342	36	555 99
493	30	11 9	1,420 53	12 6	2 1	13 163	121	70 7	_2	7 35 570	392 63	(*)	13 18	259 (*) 184	15 3,691
19 28 360	917 6 545	16 1,117 659	48 101 31,819	24 54 555	250 5 218	55 31 3,021	326 737 14,336	250 329 2,856	72 74 620	570 909 464	1,756 552 5,758	6 191 2,244	3 18 2,173	184 111 767	1,202 690 5,001
177	164	201	1,927	555 1,999	137 159	606	10,078	5,752	1,050	1,184	6,591 386	2,244 810	2,173 908	444	4,106
421 1,234 207	309 901	388 1,616	2,594 5,392	1,383 471	228 95	44,840 2,472	20,754 10,157	4,155 1,052	6,574 1,498	4,619 1,571	3,460 3,214	4,879 8,732	1,427 11,085	1,397 499	8,992 6,182
207 339 75	400 244 125	344 528 90	3,867 3,638 593	1,353 2,457 263	210 1,183 157	1,864 1,004 304	10,819 36,370 3,344	65,838 8,999 1,769	14,412 49,407 161	2,048 4,240 1,288	3,932 12,529 3,340	3,792 6,296 961	517 1,956	647 2,827 479	3,109 38,380 2,585 25,421
1,325 252	1,610 310	1,619 169	11,002 2,187	4,755	1,084 272	2,550 213	82,386 11,523	30,609 2,616	13,183 1,385	5,959 560	35,399 4,419	8,528 269	218 3,340 192	5,212 557	25,421 3,561
1,325 252 281 36 85	98 23	82 12	4,574 83	384 259 6	15 4,640	314 13	11,941 1,563	1,017 5	377 (*)	692 31	3,556 398	292	427	689 6,904	2,600 823
85 82 12	128 52 9	94 116 10	445 320 214	152 426 107	71 22 32	269 609 41	884 3,740 514	1,305 7,256 81	226 1,359 106	685 288 122	1,765 2,874 103	1,703 364 251	(*) 58 53 84	326 103	6,968 2,384
132	91 91	988	7,153 51	2,598	32 8	12	1,621	2,565	9	64 32	1,052	151 71	84 142	24 129	278 65
											••••••				
12 202	12 404	15 20.4	10€ 10**	47 010	Α 222	120 102	250,755	1/2 770	110.744	24 200	100 422	00 470			15/ 009
13,282 15,033	13,401 9,907	15,394 11,503	106,187 132,240	27,810 79,653	9,332 13,049	128,193 127,800	474,688	143,772 167,119	119,766 512,651	34,280 61,458	108,433 289,660	88,470 83,715	44,865 48,602	25,312 25,416	156,827 256,880
28,315	23,308	26,897	238,427	107,463	22,381	255,993	725,443	310,890	632,417	95,738	398,093	172,185	93,466	50,728	413,707

Table 1.—The Use of Commodities

	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 intermed use
_	Industry number	78	79	82	83	84	85	
1	Livestock and livestock products	6						72,0
2	Other agricultural products	2,305 29	4			***************************************	•••••••••••••••••••••••••••••••••••••••	52,1 8,0
4	Agricultural, forestry, and fishery services	2	30	***************************************	***************************************		***************************************	17,8
5	Iron and ferroalloy ores mining		***************************************	***************************************				2,9 2,7
7	Nonferrous metal ores mining	1,643	1,160					22,
8	Crude petroleum and natural gas	***************************************					••••••	150,7
ιŏΙ	Stone and clay mining and quarrying	***************************************	16				***************************************	7, 2,
11 12	New construction	777					,	
	Ordnance and accessories	(*) 2,170	13,369					75, 2,
14	Food and kindred products	2,170	2					112,
15 16	Tobacco manufactures	18						3, 34,
17 [Miscellaneous textile goods and floor coverings	6	4					8,
18 19	Apparel	210	23		***************************************	***************************************		11, 7,
20 I	Lumber and wood products, except containers							50,
21	Wood containers							;
23 I	Other furniture and fixtures							1,
24 25	Paper and allied products, except containers Paperboard containers and boxes	126 46	57					58, 21,
26	Printing and publishing	591	134		***************************************		***************************************	38,
77	Chemicals and selected chemical products	15	686					89,
29	Plastics and synthetic materials. Drugs, cleaning and toilet preparations.	70	36					33, 17,
5U I	Paints and allied products	2 843	1					10
31	Petroleum refining and related industries	57 57	2,604 89					104
33	Leather tanning and finishing Footwear and other leather products	1						1
34 35 36 37	Glass and glass products	40 3	2 3				***************************************	1 12
36	Stone and clay products	2	152					39
37 38	Primary iron and steel manufacturing	11	(*)					72 51
39 I	Metal containers							12
40 41	Heating, plumbing, and fabricated structural metal products	5	10					34 29
42	Other fabricated metal products	82 22 14	14				***************************************	39
43	Engines and turbines	14	56				•••••	9,
14 15	Farm and garden machinery	2	152					2
46	Construction and mining machinery	4					***************************************	2
47 48	Metalworking machinery and equipment	6	23					8.3
49	General industrial machinery equipment	20	10					17
51 I	Miscellaneous machinery, except electrical	32 12	315	***************************************				15 12
) L	Service industry machines	21	14					11
33 I	Electric industrial equipment and apparatus	1 12	630					18
55	Electric lighting and wiring equipment	42	109					13
56 57	Electric lighting and wiring equipment Radio, TV, and communication equipment Electronic components and accessories	15 3	23			***************************************	***************************************	13 43
58 J	Miscellaneous electrical machinery and supplies	18	37					8
59 60	Motor vehicles and equipment	96	127				***************************************	64
61	Aircraft and parts	29	136			***************************************		3
62 63	Scientific and controlling instruments	6 28	12 29					9
64	Optical, ophthalmic, and photographic equipment. Miscellaneous manufacturing Transportation and warehousing	148	65					1
65 66	Transportation and warehousing	5,181 333	835 169					. 141 47
67	Radio and television broadcasting							1
68 69	Private electric, gas, water, and sanitary services	1,010 746	13,308 854					189 196
70 l	Finance and insurance	153	248					139
71	Real estate and rental	1,614 173	587 144					219 25
72 73	Business services	1,897	1,259					381
74 75	Eating and drinking places	197 516	430 127					42 40
76	Amusements	66	1					16
77 78	Health, educational, and social services and nonprofit organizations	40 823	65 152	ļ				17 27
79	State and local government enterprises	41	11					2/3
80	Noncomparable imports	1,139			ļ			j 30
81 82	Scrap, used and secondhand goods		2					
83 J	Rest of the world industry	***************************************						
84 85	Household industry							
1	Total intermediate inputs	23,521	38,399					3,199
Ά	Value added	22,190	19,488	406,738	39,739	9,389	-2,412	
т	Total industry output	45,710	57,887	406,738	39,739	9,389	-2,412	I

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

by Industries, 1985—Continued

Personal	Gross private	Change in			Federal	Government pu	rchases	State and I	ocal government	purchases		Total	2
consumption expenditures	fixed investment	business inventories	Exports	Imports	Total	National defense	Nondefense	Total	Education	Other	Total final demand	commodity output	Commodity
91	92	93	94	95		96	97		98	99			L
2,594 14,030		-1,935 -496	463 15,278	-725 -2,525 -2,774	6 11,020	2	4 11,020	118 842	52 378	66 464	521 38 150	72,530 90,288	
3,565 1,063		-12	484 52	-6	-808 134	10	-808 124	-222 894	346	-231 547	38,150 233 2,136	8,325 19,956	
	529	-213 -36	477 196	-572 -787	-7 -12	-7 -12 77	(*)		104	133	-314 -111	2,627 2,651	
276 16	387	-36 36 544 122	3,664 2,108 295	-78 -31,249 -536	82 1,181 -2	3 -2	1,179	237 -93		-93	4,217 -27,030 -198	26,732 123,754 7,308	
2	297,601	-66	159 16	-452	-1 13,266	6,112	-1 7,153	205 53,341	6,765	205 46,576	-153	2,012 364 224	
1,012	17,056 72	665	63 137	-383	9,618 20,047 383	7,642 18,936 179	1,976 1,111	25,747 104	8,740	17,007 104	52,484 21,653 187,924 20,833	127,525 23,766 300,724	
183,034 19,173 832		2,698 -513 -299	10,557 2,513 999	-15,647 -339 -2,574	383	23	204	6,898 (*) 129	4,296 (*) 54 7	2,603 75	20,833 -883	300,724 24,445 33,394	
3,536 58,785	1,566	399 -171	585 797	-896 -18,794	24 794 70	4 794	21	51 764 424	7 15 67	43 749	5,263 42,175 7,010	13 646	
6,792 865	15	291 570	497 2,595	-1,065 -5,194	36	50 30	20 6	424 148	67 99	357 49	963 i	54,031 14,582 49,711 557	
15,377 1,258	1,293 11,475	-2 -545	5 236 335	-14 -1,959 -1,540	8 76	50 30 5 14 36 56 50	62 100	145 1,674	101 971	45 70 3	-2 14,624 13,353	15,398	
11,436 303	11,473	24 46 25 59	3,530 208	-1,549 -7,621 -81	76 137 199 75	56 50	143 25	2 487	1,043	1,444 139	10,077 753	15,165 68,955 22,334	
22,471 2,171	769	-299	1,367 14,649	-1,113 -10,736	561 2.517	318 1,855	243 662	7,337 2,082	4,137 680	3,201 1,402	14,624 13,353 10,077 753 30,683 11,153	69,451	
36,587		-183 1,278	4,091 3,256 258	-1,612 -4,671 -95	114 520	1,855 109 316	204 (*)	3,411 253 9,535	444 203	2,967 51	2,415 40,380 876	36,281 57,993 10,900 175,585	
388 67,477 10,202	94	72 377 –473	9,815 2,986	-21,192 -6,332	5,109 663	4,595 544	(*) 514 119	9,535 1,319	3,928 278	5,607 1,040	71,121 8,459	175,585 71,020	
11,920		-15 426 122	296 225	-406 -7,061	1 !	1 34 17	(*) -2	82	***************************************	82	-124	71,020 1,719 6,679	
1,135 1,907		586	691 1,100	-1,411 -3,406	32 29 95 246	17 52 205	12 43 42	667 195	179 76	488 119	5,623 1,232 476 -10,907	13,895 39,597 61,139	
54 54	21 89 29	-1,442 -826	1,247 2,785 131	-11,042 -5,989 -280	642 99	346 99	296	55 43 50	9 2 48	46 41 3	-3,202 36	48,287 12.098	
591 1,190	3,844	664 173 385 -157	937 1,818	-827 -1,707	1,320 158 872	1,249 115	72 43	334	248	86	6,529 1,965	40,833 31,825	
3,014 1,194	2,489 1,679	385 -157	2,088 3,352	-4,789 -2,596	1,565	626 1 520	247 45	349 256	167	182 256 151	4,409 5,293	40,833 31,825 44,027 14,682 10,571	
201	8,070 10,693	51 -431	1,342 6,265 480	-1,666 -2,628 -912	33 220 253	28 193 236 -125 102	5 27	198 915 7	47	151 915 4	6,529 1,965 4,409 5,293 8,229 15,034 4,654 12,469 11,086 6,753 2,400		
511 219	4,743 13,229 12,161	83 397 47	1,930 2,119	-3,654 -3,652	220 253 -92 127	-125 102	27 17 33 25 33 53 1,227 18 257	150 65	88 63	62	12,469 11,086	7,436 20,776 14,355 24,280 17,900	
289	9,015 54	3 164	1,456 1,121	-4,644 -15	801 705	768 652 2,874	33 53	123 82	38 559	123	6,753 2,400	24,280 17,900	
2,030 828	36,181 6,329	1,090 197	15,048 1,090	-11,081 -968	4,101 107	89	1,227	941 652	485	44 382 168 167	46,130 8,234 13,384 11,994 1,828 59,917	58,405 19,439 31,919 14,971	
828 158 10,580 2,055	10,871 2,530 228	-32 240 376	3,573 914 1,043	-3,119 -2,520 -2,360	1,645 56 115	1,388 49 85	237 7 30	287 194 371	120 77 264	117 117 107	11,994		
16 392	33,396 154	1,712 -257 -194	4,933 6,722	-19,476	22,267 1,612 341	21,011 1,126	1,256 486 88	694 133	476 44	217 89	59,917 104	73,165 43,698 16,390 187,244	
1,732 4,154 85,302 79	4,376 64,314	7,171	2,004 19,588	-9,991 -2,843 -60,432	341 2,234 36,112	253 1,872	362	344 4,654	41 1,242	302 3,413	104 8,180 122,831	16,390 187,244	
79 11,646	7,073 6,712 11,903	447 -816	15,038 1,155 4,143	-4,489 -2,992 -4,010	36,112 7,540 1,663 1,707	34,982 7,485	1,131 55	16 1,061 1,471	63 137	16 998	54,275 24,305	70,200 28,301 28,183	
11,646 3,532 4,103 23,931	9,441 2,445	362 18 25 683	2,848 1,892	-4,923 -12,275	1,707 188	1,184 1,001 100	55 479 706 88	1,896 1,792	850 1,068	998 1,334 1,047 724	19,064 15,091 17,998	77 YUN I	
62,382 48,779	3,594 4,178	683	20,759 1,731	-2,434	6,932 2,397	6,054 1,679	878 718	8,252 3,291	4,856 1,620	3,396 1,672	100,168 60,376	25,738 241,393 107,463	
1,103 99 563	2232		250	-4,015	4,890 7,050	2,235 6 272	2,655 786	11,457	5,003	6,454	1 103	1,655	
434,613 154,432 388,266	46,718	2,013	21,810 7,730 6,950	12,158 -1,015	7,059 940 2,884	6,273 18 964	786 922 1,921	6,644 7,114 7,372	2,580 380 915	4,064 6,734 6,457 2,004 9,130	112,145 531,016 169,201 422,372	727,513 308,335 641,982 95,084 463,594	
67,201 43,039	10,200		75 4,548	-133	1,274 20,734	950 11,907	324 8,827	1,090 13,979	-914 4,849	2,004 9,130	82,167	95,084 463,594	
135,643 52,056			162 5		357 170	259 115	98 56	-4,479 1,422	-6,074 313	1,395	131,683 53,654	174,379 94,165	ŀ
31,410 386,613 5,784		57	1,665 560 174	-67	351 7,393 315	304 750 238	46 6,643 77	347 1,213 998	289 -1,486 92	2,699 907	33,763 395,779 7,271	50,757 413,231 34,334	
3,784 11,495 25,446	431	503	1	-64,532	149 7,948	96 6,773	53 1,175	171 30	90 25	82 5	11.817 1	15,002	
24,837	-33,460	1,083	2,891	-973	1,605 137,955	-247 99,532	1,852 38,422	1,759 268,784	315 147,273	1,444 121,511	-30,174 -2,258 406,738	3,636 406,738 39,739	}
-23,474 9,389		A 410	113,993	-49,972	-808	-111	-697				39,739 9,389	9,389	
		-2,412									-2,412 3,999,528	-2,412	l
2,610,576	631,283	12,286	375,346	-450,714	355,176	259,140	96,036	465,575	199,322	266,254	3,777,340	7,198,845	1

Table 2.—The Make of Commodities

Milliana ac 4-1

	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	Chemical and fertiliz mineral mining
	Commodity number	1	2	3	4	5	6	7	8	9.	10
13	ivestock and livestock products	72,522	-	131	1,228						
0	ther agricultural products		90,288	1,112	2,049						
F	prestry and fishery productsgricultural, forestry, and fishery services			7,081	16,597			***************************************			
In	on and ferroalloy ores mining		***************************************			2,489	11	***************************************		(*)	
N	onferrous metal ores mining		***************************************			132	2,626 8	26,720	(*)	4 15	
Ċ	rude petroleum and natural gas	***************************************	***************************************	***************************************				3 5	123,492	1	
St	one and clay mining and quarrying	••••	***************************************			6	1	5	2	6,877	1,9
N	ew construction				***************************************			••••••			
	epair and maintenance construction	••••••			***************************************		••••••		••••••		
۵,	and and kindred products	8	***************************************	***************************************				***************			
T	obacco manufactures road and narrow fabrics, yarn and thread mills licellaneus textile greek and flore coverings							••••••			
M	liscellaneous textile goods and floor coverings		******************	***************************************			***************************************	***************************************	***************************************	***************************************	
4	pparel					· ·······					
L	umber and wood products, except containers	***************************************		***************************************	***************************************			• • • • • • • • • • • • • • • • • • • •			
V	ousehold furniture										
	ther furniture and fixtures										
9	aper and allied products, except containers										ļ
7	perboard containers and boxes										·····
3	hemicals and selected chemical products			***************************************	***************************************				75		
	astics and synthetic materialsrugs, cleaning and toilet preparations				***************************************			******************		2	
P	aints and allied products										
Po	etroleum refining and related industries									84	
L	eather tanning and finishing										
F	potwear and other leather products										ļ
Si	lass and glass products									312	
P	rimary iron and steel manufacturing									6	ļ
M	rimary nonferrous metals manufacturing	***************************************			*******************		(*)				·····
H	letal containerseating, plumbing, and fabricated structural metal products										
0	crew machine products and stampings										
E	ngines and turbines			***************************************							
C	arm and garden machineryonstruction and mining machinery	***************************************									
Μ	laterials handling machinery and equipment										ļ
M Si	letalworking machinery and equipment								 		<u> </u>
G	eneral industrial machinery equipment										
O	ffice, computing, and accounting machines										
Š	ffice, computing, and accounting machines	<i></i>						•••••			
H	ectric industrial equipment and apparatusousehold appliances										
E	lectric lighting and wiring equipment										
R	adio, TV, and communication equipment	***************************************		***************************************	***************************************		••••••	***************************************			
M	liscellaneous electrical machinery and supplies			***************************************	***************************************	ļ		***************************************	***************************************		
А	lotor vehicles and equipment ircraft and parts										<u> </u>
ö	ther transportation equipment					ļ					Į
S	ther transportation equipment			***************************************		J					<u> </u>
M	iscellaneous manufacturing										1
C	ransportation and warehousing			***************************************	81			***************************************			}
R	adio and television broadcasting	***************************************						***************************************			
N	rivate electric, gas, water, and sanitary services								184		
F	nance and insurance										ļ
R	eal estate and rental										
В	usiness services			***************************************			ļ				ļ
E	ating and drinking placesutomobile repair and services					1					<u> </u>
A	musements										ļ
Н	ealth, educational, and social services and nonprofit organizationsederal Government enterprises						ļ				
S	tate and local government enterprises						[I
G	overnment industryest of the world industry						<u> </u>			ļ	ļ
Н	ousehold industry										ļ
İr	ventory valuation adjustment										
			90,288	8,325	1	1	i	ı	1	1	1

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

by Industries, 1985

at producers' prices]

).

New con- struction	Repair and maintenance 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
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
		***************************************	4,281 702			••••••	***************************************		212	***************************************	ļ		••••••			
							***************************************			***************************************						
				***************************************	***************************************	***************************************	***************************************		***************************************	***************************************			***************************************			
·····							***************************************						***************************************			
·····		•••••••	(*)										******************	***************************************		99
364,224								••••••••					*************			706
**************	127,525	22,010								(*)	2	***************************************	**************************************	ļ		
			294,961	24,392		1	13	1	6			3	74 5	14	17	388
					32,685 146	241 12,621	310 11	1,207 54 230	60		14	37 58	105 69		21 15	8
			8		179 153	241 12,621 53 27 3	53,495 41	230 12,559			10	6	21 86	2	16	
			(*)		2	3		2	48,760 52	49 400	10 36 2 15,059	44	69 12	12	(*)	61
		14	***************************************		1	11 16	***************************************	26 7	48,760 52 64 71 112	49 499 (*) 1	15,059 45	36 14,499	8			
			(*)	50	4	199	***************************************	49	112		+3	14,499	66,691	95	417	318
				4		3 36		16	13			17	111 558 152	21,814 70	57 68,094	8
••••••			336 15		140	230		. 96 31	13			2	7		80	80,066 2,384 1,809
			324 3			2	3	31					16 2		6	l 140 l
		51	52		5 47	137	51	36	2 25	1	53	14	21 180	5 41	52	12,287 457
			1		1		(*) 28 3	23	7			(*)	4		4	
					5	28	3	2 8	4 46		4		114	. 10	(*)	107
		54 7					1		30 10		4	2 3	13 28	15	(*) 16	107 301 366 12
			18			***************************************	***************************************	5	62	3	19	l .	11 18	76		12 113
	***************************************	40 79 36				***************************************		23 7	4 33		. 6	30 11 59	3 218	30 102	3 89	7 22
**************	•••••••	44					***************************************	,	[ļ	20	5		l		
••••••		8				••••••	***************************************		11	1	. 7	5		25		27 36
		44 55	······			***************************************	1	1			i	3	2	4	(*) 10	23
······		8			2	1	2	7	32	(*)	9	7	5	***************************************		23 56 35 21 39 51 30 11
		7 5 11						6 11	4		2	(*) 56	3 34		76	21 39
			16		***************************************	3		3				8 5	12	4	1	51 30
		22 42			4	2 20		7	5 4		9	34 4	20 18		16	11 8
		503 53				8	•••••		5	ļ	25	3	7 15		20	17 26 47
		60					31	34	2			114	60	*****************		47 4
		504					2	l	13			24 20		11	. 56	.;
		52 27 2 13	6		3	3	11	13 7	9		1	24 9	82 67]	7 31	124 184 189
		13	(*)	***************************************	6	2	29	103	28		47	8	28	3	65	189
					***************************************			***************************************					•			***************************************
					***************************************			***************************************		ļ			***************************************	ļ		306
						***************************************	•••••••	***************************************					***************************************			
					***************************************			***************************************						ļ		
						••••••										
						***************************************		••••••								
													******************			90
												[***************************************			ļ

364,224	127,525	23,766	300,724	24,445	33,394	13,646	54,031	14,582	49,711	557	15,398	15,165	68,955	22,334	69,451	100,988

Table 2.—The Make of Commodities

Personal contents for that commonly produced by an industry, year and not produced by an industry, year and not produced by an industry, year and not produced by an industry, year and not produced by a industry produced by a industry produced by a industry produced by a produced by a produced by a produced produced by a produced produced by a produ	Plastics and synthetic materials Plastics and spring reparations Paints and allied products allied products allied products allied products allied industries products Rubber and miscellaneous plastics products and finishing	wear other glass and stone an clay products products
2 Ober gerichten and fotone and f	28 29 30 31 32 33	4 35 36
Section Sect		
Agriculture Agriculture		
6 Nonferman creat moting		
Second personal anament as a		
Some and day miling and quiryling.	4 973	
New construction	58	13
Register and resistance construction	······································	
Food and kindred products		
Parend and narrow fishers, year and thread railis	6 370 1 113	
Application of the principal control of the	2.000 (*)	2 5
Miscellaneous fibricated testile products 2 5 1 6 33 4 6	55 10 5 2 105 (4	1
Vision V	2 5 33	4
Household furniture	15 1 6 75	
Faper and allied products, ecopy consisters		6 74
Paperboard considers and boxes		14
Chemicals and selected chemical products		2 24
Plastic and synthetic materials.	3,990 1,285 186 1,481 68	11
Pains and allied products 175 8 10,397 3 8 62 7 68 66,916 7 7 7 8 66,916 7 7 8 7 7 8 7 7 8 7 7		
Rubber and miscellaneous plastics products	175 8 10,397 3 8	
Leather tunning and finishing		2 6 9
Class and glass products	1 3 1,71	12
Primary iron and steel manufacturing	21 2 55	10.446
Primary nonferrous metals manufacturing		(*) 66 38,50
Heating, plumbing, and fabricated structural metal products. 7 2 118 0 1 1 1 1 1 1 1 1 1	1 100	
Screw machine products and stampings		
Engines and turbines.		
Construction and mining machinery 22 Metalworking machinery and equipment 5 23 1 42 Special industry machinery and equipment 7 3 18 Special industry machinery and equipment 7 3 18 Special industry machinery equipment 4 3 2 94 13 Special industry machinery equipment 4 3 2 94 13 Special industry machinery equipment 70 2 Control Special industry machinery equipment 70 2 Control Special industry machinery equipment 70 2 Control Special industry machinery Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry machiners 70 2 Control Special industry S		
Materials handling machinery and equipment 5 23 1 42		
Special industry machinery and equipment.		
Miscellaneous machinery, except electrical 9 0 0 0 0 0 0 0 0 0		
Office, computing, and accounting machines 12	4 3 2 94	13
Electric industrial equipment and apparatus		2
Household appliances	52	4
Electronic components and accessories		
Miscellaneous electrical machinery and supplies.	16	
Motor vehicles and equipment 12 42 12 11	14	5 1
Scientific and controlling instruments		
Optical, ophthalmic, and photographic equipment 34 18 8 148 (*) (*)	4	
Transportation and warehousing		
Communications, except radio and TV Radio and television broadcasting Private electric, gas, water, and sanitary services		11 (*)
Private electric, gas, water, and sanitary services. Wholesale and retail trade. Finance and insurance Real estate and repair services (except auto). Business services. Eating and drinking places. Automobile repair and services. Anusements Health, educational, and social services and nonprofit organizations. Federal Government enterprises. State and local government enterprises. Government industry. Rest of the world industry Household industry Household industry		
Wholesale and retail trade	184	
Real estate and rental Hotels; personal and repair services (except auto) Business services. Eating and drinking places. Automobile repair and services. Anusements Health, educational, and social services and nonprofit organizations Federal Government enterprises. State and local government enterprises. Covernment industry. Rest of the world industry Household industry Household industry		
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. Federal Covernment enterprises. State and local government enterprises. Government industry. Rest of the world industry Household industry		
Eating and drinking places Automobile repair and services Amusements Health, educational, and social services and nonprofit organizations Federal Covernment enterprises State and local government enterprises Government industry. Rest of the world industry Household industry		
Automobile repair and services. Anusements Health, educational, and social services and nonprofit organizations Federal Government enterprises. State and local government enterprises. Government industry Rest of the world industry Household industry		
Health, educational, and social services and nonprofit organizations Federal Government enterprises State and local government enterprises Government industry Rest of the world industry Household industry		
State and local government enterprises Government industry. Rest of the world industry Household industry		
Rest of the world industry		
Household industry		
inventory valuation adjustment		
Total commodity output		6,679 13,895 39,5

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

by Industries, 1985—Continued

Primary iron and steel manu- acturing	Primary nonferrous metals manu- facturing	Metal con- tainers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm and garden machinery	Construc- tion and mining machinery	Materials handling machinery and equipment	Metal- working 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	_
••••••		•••••••				•		***************************************								
***************************************		***************************************														
		•••••••											16			
······	***************************************			***************************************					· · · · · · · · · · · · · · · · · · ·		•••••••			•••••		ĺ
16	3	1 25 31	177 8	53 36	23 3	40	1	2	2	31	79 14	5	8		12 12	ĺ
 	5	31		***************************************	3 5						29 13	4	·····		4	
	1 4		1 2 102	1 3	12 76		1 2		(*) 7	4 7	(*) 1		(*) 3	1	••••••	
10	13			6	1 37		4		2	9				40		
5		16	24 28 7	7 18	15 166 28		2		14	3	19 19	8	4	27 286	11	ĺ
5 4	63	14	13 16	16	94 112		18		3	12 17	16 122	20	1	. 84 6	16	ĺ
			1		23 11			••••••••••••••••••••••••••••••••••••••	••••••	16	6	19			1	ļ
34	22	69 5	54	33	162		16	1 7	23	8 169	32	10 50	22	47	12	l
3	***************************************		1 16	1 5	7 23 51		1	······		3 14	1	4	1	·····	·····	ĺ
59,352 344	398 46,371	15	16 52 165 102 23 38,404 119 159	1 136 16	51 1,566 308		4 30	6 18	5 14	42 120 130	10 8 19	30 80 63	5 19 6	16 22	1	ĺ
		15 11,831 10	23 38,404	25 94	14 257 185	28	2 36	29 19	64 16	120 139 10 32 439 267 47 19 29 30 18,430	32		36		109	
67 70 278 7	113 58 105 3	44 6	119 159 97	29,401 175 15	185 38,629 25	28 31 36 12,935 62 313	23 31 2	19 54 12	16 50	439 267 47	15 120 21	67 160 88	12 61 8	26 22 19	24 38 22	ĺ
86 82	1		56 92	24 7	38,629 25 76 249 17	62 313	10,051 71	308 16,877	25 158	19 29	42 20	42 193	4 16		10 13	ĺ
7 86 82 13 69 25 55 27 2 4 17 51 14 16 21 362 410	7	2	97 56 92 26 36 76 126 31 46 100 20 107 36 27	25, 944, 29,401, 175, 15, 15, 15, 16, 16, 16, 16, 16, 16, 16, 16, 17, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19	49	8 10 13 157	36 23 31 2 10,051 71 11 49 13	19 54 12 308 16,877 45 32	25 158 6,650 27 46 35 13 20 22 22	18,430 111	32 15 120 21 42 20 50 94 13,027 136 45 14 17 13	114 67 160 88 42 193 77 71 153 21,827 142 94 131 99 109 7 7 19 67 17	10 26 9 85	25 30 101	109 24 38 22 10 13 3 20 52 156	
55 27	66 30	3	126 31	41 16	394 62 132	157 62	24 8	66 10	35 13	83 134 20 18 51	136 45	21,827 142	85 17,309 10	95	156 21 4	
7 24	61 89	5	100 20	9 7	86 41 20 77	140	13	1 5	22 26	18 51	17 13	131 99	11	54,263 31 149	18,265 38 249	ĺ
17 51 14	8 96 130	14	107 36 27	99 55	20 77 138		15	9	17	19	1 5 49	109 7 19	5 5 7 23	45 565	249 1 13	ĺ
16 21	33 349] 1	4	31 6	11		8		45 12	97 1	67 17	23 13 56 54 18	1.740		
362 48	204 7	3	181 101 98	1,179 105	284 172 30	284 449 80	88 17 34	127 86 58 13	80 60 9 22	202 70 37	34 82 10	177	54 18 4	46 75 356	12 216 87 11	
7	22 1	6	98 38 5 18	21 11	111 12 68	23		13 7	22	13 45 12 202 70 37 26 17 21	5 49 97 1 34 82 10 15 28	47 95 46 23	12 18	105 175	17 1	
	21		10	28	00		4			21	y		5			
				••••••		••••••									•••••••	-
			······			·····		······	••••••				·····			l
															••••••	ļ
													••••••			ŀ
			••••••	······				••••••	······		•••••••		·····		·····	ł
				•••••••											•••••••••••••••••••••••••••••••••••••••	İ
											***************************************	***************************************	•			ĺ
61,139	48,287	12,098	40,833	31,825	44,027	14,682	10,571	17,821	7,436	20,776	14,355	24,280	17,900	58,405	19,439	L

Table 2.—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	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
	Commodity number	53	54	55	56	57	58	59	60	61
, ,	.ivestock and livestock products									
2 0	Other agricultural products									
4 I A	Agricultural, forestry, and fishery services									
5 l II	ron and ferroalloy ores mining									
7 6	ionferrous metal ores mining	***************************************					***************************************			
8 I C	Crude petroleum and natural gas								ļ	
10 0	tone and clay mining and quarrying						*******************			
11 I N	New construction					•••••••				
13 C	Ordnance and accessories	57	1	1	1,484	21	1	147	1,507	304
14 F 15 T	Food and kindred products		4							
16 E	Broad and narrow fabrics, yarn and thread mills									
	Miscellaneous textile goods and floor coverings	1				11 3		4		ļ
19 I N	discellaneous fabricated textile products			. !	14			8 16	2	4 10
21 Y	umber and wood products, except containers	***************************************	3	1	14	2		16		10
22 F	Household furniture	••••••	54 3	3 6	7	18		7	19	
74 I I	Paper and allied products, except containers	2		Ž	43	302	5	11		
25 F	Paperboard containers and boxes				33		••••••			ļ
25 F 26 F 27 C 28 F	Printing and publishing	3) š	160	55		5	3
28 F 29 E	Plastics and synthetic materials		4		9		31	***************************************		
30 I F	Paints and allied products	1							ļ	
31 F	Petroleum refining and related industries	17	25	31	13	66	9	84	54	37
33 I I	eather tanning and finishing							3		ļ
34 F 35 C 36 S	Footwear and other leather products	5	15	14	13			28	1	ļ
36 S 37 F	stone and clay products	18		[44	66	36 25 34	5	12 217	25	5 3
38 F	Primary iron and steel manufacturing	15 47	3	96 26 2	20	34	56	171	19	4
39 N 40 F	Metal containers	59	95	30	31	10	47	13 125	48	61
41 I S	crew machine products and stampings	50	166	31	 	29	31	75 52	25 45	36
42 C	Other fabricated metal products	89 511	25 13	46	30 18	35	24	52 180	45	24 7
44 F	angines and turbines	3	îĭ	9	9		4	34	73 22 4 8	7 89 30 13
45 C 46 N	Construction and mining machinery	42 12			31 8		1	147 68	8	130
47 N 48 S	Materials handling machinery and equipment	39 11	5	9	12 7	35	1	89 26	1 39	25 25 39
49 I C	Seneral industrial machinery equipment	87	49	39	13	84.	2 5	193	37	39
50 N	Miscellaneous machinery, except electrical	16 141	14 30	9 32	10 124	22 2,030	44 58 32	398	61 90	3 22
50 N 51 C 52 S 53 E 54 F	Service industry machines	15	336 27	19	19	16	32	605	l	5
53 E	Electric industrial equipment and apparatus	29,058 47	27 13,877	177 10	187 45	566	1 40	52	17 26	6
55 E	electric lighting and wiring equipment	169		14,212	126	232	28 54 13	32 119		5
56 F 57 E	Radio, TV, and communication equipment	481 123	16 8	84 141	69,490 366	1,547 37,806	13	87 29	112	⁸
58 N	Electronic components and accessories	140	2	52	53	98	15,205	339	25	
59 N 60 A	Motor vehicles and equipment	251 87	130	143 76	404	181	490	183,444 67 242	193 67,544	126 114
61 I C	Wher transportation equipment	106 195	(*) 32	3 56	3 285	16 162	45	242	34 50	27,285
63 6	Scientific and controlling instruments Detical, ophthalmic, and photographic equipment.	21	8	134	142	129	20	95 12	59	ļ
U++ I	Viscellaneous manufacturing	1	6	14	31	16	5	5	13	21
	Communications, except radio and TV				***************************************					
67 F	Radio and television broadcasting									
69 I	Wholesale and retail trade									
70 F 71 F	Finance and insurance									!
72 I	Hotels; personal and repair services (except auto),		!							
74 E	Eating and drinking places		ļ		J					
75 <i>I</i>	Automobile repair and services		<u> </u>							
77 I I	Health, educational, and social services and nonprofit organizations								••••••	
	Federal Government enterprises									
82 C	Government industry		ļ	ļ				ļ	ļ	
84 1	Rest of the world industry									
	nventory valuation adjustment		}	ļ			ļ	ł	ļ	ļ
		31,919	14,971	15,557	73,165	43,698	16,390	187,244	70,200	28,30

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

by Industries, 1985—Continued

cientific and ontrolling struments	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 services	Eating and drinking places	Automobile repair and services	Amuse- ments	Health, educational, and social services and nonprofit organizations
62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
						••••••								135 238	
			20			***************************************		•••••••	••••••	••••••••		•••••			
						••••••	•••••					•••••			
·····		••••••					·····	·····				· · · · · · · · · · · · · · · · · · ·	······	••••••	
······		•••••	•••••••			6,229		•••••	••••••	•••••		········			
		•••••			·······			••••••	••••••	***************************************					
16	13	19				**********************				•					
		20 1								***************************************	3				
43 6		16 14								•••••					
24 13		44 26 17					·····				1 1				
14			***************************************							***************************************	(*)				
27 35 49	14	29 18	******************			·····		***************************************		***************************************	6 2				
49	6. 91	216 (*)								***************************************	18 52				
11 125 16	38 366	116 63								***************************************	43,235				
16 124	30	52									3				
	2	2	••••••												
64	14	139 2	•••••								2				
3 30	2	13 11						****************		***************************************	1 3		•••••		
30 32	10 15	24		***************************************		77									
13		47													
43 22		20 42	•••••				·····	•••••	••••••	***************************************	4 3			***************************************	
43 22 250 25		70	••••••					•••••••			5				
6 42		5	*******************	***************************************		***************************************	•	••••••	***************************************	***************************************	•••••				······
10	······································		***************************************					••••••		•••••	/#\				
41	8	12 5 6	••••••			*******************************		•••••	***************************************	***************************************	(*)		*****		
53 41 69 14 268 37 234 28 24 283 85 37 109	16 10 147	25	*******************			***************************************	••••••	••••••	••••••	***************************************					***************************************
37	l	17	••••••		***************************************	***************************************	***************************************	•••••	••••••	***************************************	11	•••••••		***************************************	
28	40	14	••••••								2	••••••			
283	13 172	18 20	·····		······			•••••••			2	······	••••	·····	
37	46 10	61	·····				• • • • • • • • • • • • • • • • • • • •	••••••		•••••					
202	2	36 66	••••••			······································	• • • • • • • • • • • • • • • • • • • •		·····						
25,364	315 21,519	60						•••••			1.				
25,364 210 77	21,519	32 24,318					•••••	•••••••		***************************************	1,292			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
•••••••			234,295	107,463	1,655	3,595	•••••	••••••	133	······································	195				
······		••••••	·····		1,655	255,189		••••••			20,726				
	***************************************					······	725,443	308,249	1,261		1,381				
									632,417 598	95,042 42	99 395,318				
						***************************************			2,733	42	395,318	172,185			
								••••••			752 477		93,466	49,976	
			21			7,728	1,124 946	32 54	124		477	2,194		63	413,230
			7,057			29,160	946	54	4,718				699	345	
28,183	22,906	25,738	241,393	107,463	1,655	301,977	727,513	308,335	641,982	95,084	463,594	174,379	94,165	50,757	413,230

SURVEY OF CURRENT BUSINESS

Table 2.—The Make of Commodities by Industries, 1985—Continued

[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	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 i
Commodity number	78	79	81	82	83	84	85	
Livestock and livestock products								
Other agricultural products		********************						ŀ
Forestry and fishery products								·
Agricultural, forestry, and fishery services					***************************************			1
Nonferrous metal ores mining]
Coal mining				***************************************		·····		1
Stone and clay mining and quarrying				***************************************	***************************************			1
Chemical and fertilizer mineral mining]
New construction								-
Repair and maintenance construction		***************************************	466	***************************************				1
Food and kindred products]
Tobacco manufactures			1					·
Broad and narrow fabrics, yarn and thread mills	• • • • • • • • • • • • • • • • • • • •							1
Apparel								1
Miscellaneous fabricated textile products								ŀ
Lumber and wood products, except containers	·[1 4			ļ		1
Wood containers Household furniture	1		#\					1
Other furniture and fixtures			6			[]
Paper and allied products, except containers			. 5					
Paperboard containers and boxes Printing and publishing	1		(2)	***************************************				1
Chemicals and selected chemical products			1 7	***************************************				1
Plastics and synthetic materials			4					.]
Drugs, cleaning and toilet preparations			2					-
Paints and allied products Petroleum refining and related industries			4	***************************************	***************************************			1
I Rubber and miscellaneous plastics products]
Leather tanning and finishing					•••••			-
Footwear and other leather products				***************************************	• • • • • • • • • • • • • • • • • • • •	***************************************		1
Stone and clay products				***************************************				1
Primary iron and steel manufacturing			. 5	***************************************	•••••			.]
Primary nonferrous metals manufacturing			16		•••••		•••••	-
Metal containers Heating, plumbing, and fabricated structural metal products		***************************************	32	***************************************				1
Screw machine products and stampings			(*)	***************************************]
Other fabricated metal products			37	ļ				
Engines and turbines			. 221		***************************************		,	1
Construction and mining machinery			149					1
Materials handling machinery and equipment			49					
Metalworking machinery and equipment			55 241					1
General industrial machinery equipment	1		30]
Miscellaneous machinery, except electrical			4					-
Office, computing, and accounting machines			389			***************************************		1
Service industry machines			36					1
Household appliances			. 5			***************************************		1
Electric lighting and wiring equipment			988					1
Radio, TV, and communication equipment.	1		988					1
Miscellaneous electrical machinery and supplies. Motor vehicles and equipment			. 11					.]
Motor vehicles and equipment			13 202					1
Aircraft and parts Other transportation equipment Scientific and controlling instruments Optical, ophthalmic, and photographic equipment Miscellaneous manufacturing			1 202					1
Scientific and controlling instruments			241]
Optical, ophthalmic, and photographic equipment	-		157 40	}	·····			1
Transportation and warehousing	1		1 128				l	1
Communications, except radio and TV]					.]
Radio and television broadcasting		129					ł	1
Private electric, gas, water, and sanitary services	1	129	l		l		l	1
Finance and insurance]
Real estate and rental							J	1
Hotels; personal and repair services (except auto)			1]	l		l	1
Eating and drinking places]
Automobile repair and services			ļ		ļ	····	ļ	-
Amusements Health, educational, and social services and nonprofit organizations	-				ļ:····	·····	ļ	1
Federal Government enterprises	34,334		l	l		ļ		1
State and local government enterprises		14,873						
Government industry				406,738	20 720			1
Rest of the world industry		l	1		39,739	9,389		1
Inventory valuation adjustment				1			-2,412	1
	1		1					1
Total commodity output	34,334	15,002	3,636	406,738	39,739	9,389	-2,412	1 '

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

CURRENT BUSINESS STATISTICS

The statistics here update series published in Business Statistics: 1986, a statistical supplement to the Survey of Current Business. That volume (available from the Superintendent of Documents for \$16.00, stock no. 003-010-00181-0) provides a description of each series, references to sources of earlier figures, and historical data as follows: For all series, monthly or quarterly, 1983 through 1986, annually, 1961-86; for selected series, monthly or quarterly, 1961-86 (where available).

The sources of the series are given in Business Statistics: 1986; they appear in the main methodological note for each series, and are also listed alphabetically on pages 145-146. Series originating in Government agencies are not copyrighted and may be reprinted freely. Series from private sources are provided through the courtesy of the compilers, and are subject to their copyrights.

77.1																
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Bec.	Jan.	Feb.	Mar.	Apr.	May	June	89 July	Aug.	Sept.	Oct.	Nev.	Dec.
	•		GE	NERAI	BUSIN	VESS II	NDICA'	FORS		,			1	I		
PERSONAL PROCESS BY COVER OF A																
PERSONAL INCOME BY SOURCE † Seasonally adjusted, at annual rates:	l															İ
Total personal incomebil. \$	3,777.6	4,064.5	4,168.9	4,206.3	4,273.1	4,319.5	4,360.7	4,387.1	4,396.3	4,417.5	4,443.7	4,456.9	4,467.1	r4,505.5	r4,548.0	4,569.2
Wage and salary disbursements,																
totaldo Commodity-producing industries,	2,249.4	2,429.0	2,501.6	2,516.7	2,545.4	2,557.3	2,579.4	2,601.3	2,603.5	2,621.7	2,644.7	2,651.0	2,668.4	72,697.0	^r 2,699.0	2,715.9
totaldododo	649.9 490.3	696.3 524.0	713.7 537.2	714.0 536.4	720.6 541.4	724.3 544.0	734.8 553.5	732.5 548.6	732.6 549.0	736.1 552.0	739.2 553.4	744.2 556.9	744.6 556.8	751.9 563.1	748.4 7557.2	750.8 559.5
Distributive industriesdo	531.9	571.9	586.0	590.6	597.3	598.1	601.0	610.0	609.1	613.3	620.2	615.6	622.5	⁷ 628.7	7630.1	634.8
Service industries	648.3 419.2	714.4 446.5	745.5 456.4	753.6 458.5	762.8 464.6	767.9 467.0	774.5 469.2	787.5 471.2	788.3 473.6	796.6 475.7	807.3 478.0	810.9 480.2	818.9	7831.4 7485.1	⁷ 833.5 ⁷ 487.1	841.1 489.1
Other labor incomedo	212.8	228.9	236.5	238.2	239.7	241.3	242.9	244.4	246.0	247.5	249.1	250.7	482.4 252.2	253.8	255.3	256.9
Proprietors' income: ‡ Farmdo	41.6	39.8	19.5	29.4	48.0	65.9	63.0	56.4	54.3	43.2	38.8	36.5	32.9	40.0	r39.8	36.7
Nonfarmdo	270.0	288.0	295.7	297.4	299.6	300.6	300.8	304.6	303.5	304.6	306.3	308.0	307.4	r306.3	r314.0	315.7
Rental income of persons with capital consumption adjustmentbil. \$	13.4	15.7	16.1	16.0	13.8	11.8	9.9	9.8	9.8	9.7	9.3	8.4	-1.6	r_7.9	⁷ 10.4	12.6
Dividends do Personal interest income do do m	92.0 523.2	102.2 571.1	106.5 598.6	106.9 606.4	108.4 616.5	109.4 628.9	110.3 641.5	111.0 648.4	$\frac{111.4}{655.2}$	111.8 661.8	112.8 665.0	113.3 667.9	113.6 670.4	114.8 674.9	115.8 679.5	116.4 684.0
Transfer paymentsdo	548.2	584.7	593.5	595.6	610.7	614.2	624.2	623.9	625.5	630.9	632.6	636.4	640.2	7644.6	7652.2	
Less: Personal contributions for social insurancedo	172.9	194.9	199.1	200.1	209.0	209.8	211.3	212.6	212.7	213.8	214.8	215.2	216.3	218.1	^r 218.1	219.2
Total nonfarm incomedo	3,714.7	4,003.7	4,128.4	4,155.9	4,204.0	4,232.4	4,276.5	4,309.4	4,320.5	4,352.6	4,383.1	4,398.6	4,412.4	r4,443.8	⁷ 4,486.5	4,510.7
DISPOSITION OF PERSONAL INCOME †																Ì
Seasonally adjusted, at annual rates: Total personal incomebil. \$	3,777.6	4,064.5	4,168.9	4,206.3	4,273.1	4,319.5	4,360.7	4,387.1	4,396.3	4,417.5	4,443.7	4,456.9	4,467.1	r4,505.5	⁷ 4,548.0	4,569.2
Less: Personal tax and nontax	571.7	586.6	596.3	600.9	631.2	621.7	631.9	668.4			645.2	648.3	653.8	r661.0	r664.2	669.7
paymentsdo Equals: Disposable personal incomedo	3,205.9	3,477.8	3,572.6	3,605.4	3,641.9	3,697.8	3,728.8	3,718.7	$649.1 \\ 3,747.2$	$640.2 \\ 3,777.2$	3,798.5	3,808.6	3,813.4	r3,844.5	r3,883.8	3,899.4
Less: Personal outlaysdo Personal consumption expendituresdo	3,104.1 3,010.8	3,333.1 3,235.1	3,421.9 3,321.8	3,444.2 3,343.3	3,467.3 3,365.6	3,487.1 3,384.7	3,496.9 3,394.0	3,534.4 3,432,1	3,547.9 3,445.0	3,558.6 3,455.4	3,588.7 3,485.3	3,624.8 3,521.2	3,621.6 3,517.8	73,632.5 73,528.3	⁷ 3,643.3 ⁷ 3,538.6	3,680.9 3,575.6
Durable goodsdododo	421.0 998.1	455.2 1,052.3	462.8 1,084.3	482.4 1,074.6	473.1 1,093.8	464.2 1,098.6	461.8 1,102.5	477.4 1,112.9	466.5 1,126.7	469.1 1,125.0	478.4 1,130.0	498.9 1,129.7	480.9 1,134.6	7470.6 71,134.7	7467.8 71,138.2	474.5 1,144.4
Servicesdo	1,591.7	1,727.6	1,774.7	1,786.3	1,798.7	1,821.9	1,829.6	1,841.8	1,851.9	1,861.3	1,877.0	1,892.6	1,902.3	1,923.0	1,130.2	1,956.7
Interest paid by consumers to businessdo	92.1	98.9	98.1	98.9	99.5	100.2	100.7	101.0	101.5	101.9	101.7	102.0	102.2	r102.5	r103.1	103.7
Personal transfer payments to foreigners (net)do	1.9	1.9	1.9	1.9	2.2	2.2	2.2	1.4	1.4	1,4	1.6	1.6	1.6	1.6	1.6	1.6
Equals: personal savingdo	101.8	144.7	150.7	161.2	174.6	210.7	231.9	184.3	199.4	218.6	209.8	183.7	191.8	r212.0	⁷ 240.5	218.5
Personal saving as percentage of disposable personal income §percent	3.2	4.2	4.6	4.5	5.0	5.6	5.6	5.5	5.4	5.5	5.4	5.1	r5.1	⁷ 5.6	5.8	İ
Disposable personal income in constant (1982)					5.0		5.0			5.5						
dollarsbil. \$ Personal consumption expenditures in	2,676.6	2,793.2	2,826.3	2,841.0	2,852.9	2,891.9	2,900.0	2,874.0	2,884.1	2,904.5	2,913.4	2,924.0	2,920.1	r2,924.9	r2,943.0	2,947.0
constant (1982) dollarsdo Durable goodsdo	2,513.7 389.6	2,598.4 413.6	2,627.9	2,634.5 432.0	2,636.5 423.7	2,647.0	2,639.6	2,652.4 430.5	2,651.5 421.3	2,657.1	2,673.3 429.8	2,703.3	2,693.8 432.5	r2,684.4 r422.8	72,681.4 7418.7	2,702.2 423.3
Nondurable goodsdo	890.4	904.5	417.3 918.0	907.0	915.7	417.2 918.1	417.1 911.3	906.3	911.7	423.0 911.2	916.2	447.1 922.5	923.6	7916.6	7915.8	920.0
Servicesdo Implicit price deflator for personal consumption	1,233.7	1,280.2	1,292.6	1,295.5	1,297.1	1,311.7	1,311.2	1,315.7	1,318.4	1,322.9	1,327.3	1,333.8	1,337.7	^r 1,345.0	⁷ 1,346.9	1,359.0
expendituresindex, 1982=100	119.8	124.5	126.4	126.9	127.7	127.9	128.6	129.4	129.9	130.0	130.4	130.3	130.6	131.4	r132.0	132.3
INDUSTRIAL PRODUCTION ♦																
Federal Reserve Board Index of Quantity Output									ļ							
Not Seasonally Adjusted Total index1977=100	100.0	197.0	100.0	1964	107.1	140.1	100.5	140.0	140.0	1440	140.0	1464	r1 47 1	r144 0	P141.9	¢138.7
By industry groupings:	129.8	137.2	139.3	136.4	137.1	140.1	139.5	140.9	140.2	144.9	140.0	146.4	r147.1	r144.8	7141.9	130.1
Mining and utilitiesdo	104.3	107.5	106.6	109.4	110.2	111.1	106.6	104.5	102.3	106.2	106.9	109.8	r108.7	^r 106.4	₽107.5	¢111.0
Manufacturingdo Nondurable manufacturesdo	134.7 136.8	142.7 143.9	145.4 146.0	141.4 141.1	142.2 141.6	$145.6 \\ 145.0$	$145.8 \\ 145.6$	147.7 148.0	$147.3 \\ 147.8$	152.2	146.2 151.3	153.3 158.3	7154.2 7158.6	7152.0 7157.6	P148.3	°144.0 °146.2
Durable manufacturesdo	133.1	143.9	145.0	141.1	142.7	146.0	145.6	147.5	147.8	154.5 150.5	142.6	149.8	7151.1	7148.0	P145.6	°142.3
Seasonally Adjusted							1	1		ļ		ļ	}	1	ļ	
Total indexdo	129.8	137.2	139.9	140.4	140.8	140.5	140.7	141.7	141.6	142.0	141.9	142.5	r142.3	r141.8	P142.3	°142.8
By market groupings: Products, totaldo	138.3	145.9	148.4	149.4	150.1	150.0	150.5	151.6	151.7	152.5	151.8	152.5	⁷ 152.4	⁷ 151.5	P152.3	¢153.6
Final productsdo	136.8	144.3	146.8	147.7	148.2	148.6	148.9	150.2	150.4	151.2	150.2	151.1	r150.8	r149.4	P150.1	°151.6
Consumer goodsdo	127.8	133.9	136.8	138.2	138.5	138.7	138.4	139.5	139.2	139.9	138.7	139.3	7139.0	r139.9	^p 139.8	°140.6
See footnotes at end of tables.																

5-2			SUL	VEI C	of CO.	NNE!	II BU	DIME							Janua	ry 1990
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	Ann 1987	ual 1988	198 Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nev.	Dec.
DUSTRESS STATISTICS, 1900		G	ENERA	L BUS	INESS	INDIC	ATORS	—Conti	inued							
INDUSTRIAL PRODUCTION A CONT.																
INDUSTRIAL PRODUCTION &—Continued Seasonally Adjusted—Continued]			ļ							
By market groupings—Continued									1					. 1		ı
Final products—Continued																
Durable consumer goods 1977=100 Automotive productsdo	120.2 118.5	125.3 124.9	129.2 129.5	131.9 134.5	131.5 132.5	131.6 131.6	130.1 128.9	132.2 131.7	131.2 128.6	130.8 125.6	127.3 120.2	128.7 122.3	7127.9 7120.6	r127.6 r118.9	^p 126.8 ^p 119.3	*127.7 *121.9
Autos and trucks, consumerdo Autos, consumerdo	115.1 90.7	122.7 93.4	129.5 101.0	138.0 105.1	135.6 99.6	133.1 96.0	128.3 95.0	131.7 98.8	127.4 96.0	123.3 91.4	114.6 81.2	119.3 86.4	117.1 92.7	′113.1 ′91.5	^p 114.8 ^p 84.3	*118.8 *84.2
Trucks, consumerdo	160.5	177.0	182.4	199.1	202.3	201.9	190.0	192.8	185.5	182.5	176.7	180.5	162.4	153.3	p171.2	°181.7
Home goodsdo	121.6	125.6	128.9	130.0	130.7	131.6	131.1	132.6	133.3	134.8	132.7	133.5	1	^r 134.2	^p 132.5	°132.
Nondurable consumer goodsdo Consumer staplesdo	130.6 137.4	137.1 144.9	139.7 147.9	140.5 148.9	141.1 149.4	141.4 149.7	141.4 149.9	142.2 150.7	142.1 150.7	143.3 151.9	142.8 151.4	143.2 152.0	143.1 151.8	7144.4 153.4	p144.6 p153.8	°145. °155.
Consumer foods and tobaccodo	136.3	140.9	143.7	144.5	144.8	144.3	143.3	144.7	144.7	145.7	144.2	145.6	⁷ 145.9	147.2	^p 148.1	
Nonfood staplesdo	138.5	149.1	152.2	153.6	154.2	155.4	156.9	156.9	156.9	158.4	158.9	158.7	157.9	⁷ 160.0	p159.7	¢162.
Equipmentdo Business and defense	148.9	158.2	159.9	160.4	161.1	161.6	162.8	164.3	165.4	166.1	165.5	166.8	⁷ 166.5	r162.0	^p 163.7	€166.
equipmentdo	153.6	163.3	165.5	166.2	167.1	167.9	168.9	170.3	171.5	172.0	171.3	172.5	7172.1	7167.4	p169.2	°171.
Business equipmentdo Construction, mining,	144.5	157.6	161.2	162.6	163.8	165.0	166.3	167.8	169.1	169.6	168.5	169.9	r169.6	'165.2	P167.2	
and farmdo Manufacturingdo	62.2 117.9	71.9 131.3	74.5 136.2	$74.6 \\ 137.0$	74.3 136.3	75.6 137.8	76.9 138.6	77.6 139.7	76.3 140.9	74.8 142.8	73.0 143.8	72.1 143.5	774.7 7143.1	^r 75.2 ^r 142.9	₽75.8 ₽142.7	°76.
Powerdo	82.6	89.4	92.1	91.8	92.8	92.7	93.0	93.6	93.3	92.5	92.8	94.2	r93.8	795.0	P94.7	°95.
Commercialdododo	226.5 108.4	245.2 115.1	247.0 122.3	248.9 124.9	252.4 125.7	$254.3 \\ 125.2$	$257.6 \\ 123.9$	260.1 124.8	263.2 125.3	$\frac{264.5}{124.8}$	$\frac{263.8}{120.1}$	265.6 124.4	7265.1 122.2	⁷ 259.6 ⁷ 107.7	^p 264.0 ^p 110.2	°264.
Defense and space equipmentdo	188.9	185.8	182.2	180.5	180.0	179.3	178.7	179.9	180.7	181.1	182.0	182.7	182.1	7176.0	p176.9	°179.6
Intermediate productsdo Construction suppliesdo	143.4 131.5	151.5 138.6	154.2 140.7	$155.0 \\ 141.4$	156.6 142.3	155.1 139.5	156.1 139.3	156.5 140.2	156.3 140.2	$157.0 \\ 141.2$	157.5 142.2	157.5 141.5	7157.8 7140.9	7158.9 7142.5	^p 160.1 ^p 143.9	°160.
Business suppliesdo	153.5	162.5	165.7	166.7	168.8	168.4	170.4	170.4	170.0	170.4	170.6	171.2	r172.3	⁷ 172.8	P173.9	
Materials do Durable goods materials do do do do do do do do do do do do do	118.2 125.0	125.2 135.4	128.3 139.8	128.3 139.0	128.1 139.4	127.4 138.6	127.3 137.9	128.2 139.0	127.9 138.7	$127.7 \\ 139.4$	128.3 139.9	128.8 140.9	7128.6 140.4	⁷ 128.6 ⁷ 139.2	^p 128.6 ^p 139.0	*128.5 *137.5
Nondurable goods materialsdo Energy materialsdo	125.9 99.8	132.0 101.5	135.1 102.3	136.3 102.6	137.1 100.5	135.9 100.5	136.0 101.0	137.1 101.7	136.8 101.1	137.3 99.1	138.5 99.1	138.3 99.5	136.7 7100.9	138.5 7101.6	P138.6 P101.7	*138.* *102.
By industry groupings:	33.0	101.0	102.0	102.0	100.5	100.0	101.0	101	101.1	33.1	33.1	30.0				
Mining and utilitiesdo Miningdo	104.3 100.7	107.5 103.4	108.1 104.7	$108.9 \\ 104.9$	107.2 103.0	106.8 100.9	107.5 101.5	107.9 102.4	107.2 102.0	106.3 101.5	106.6 102.1	106.5 102.4	7107.7 7103.5	7108.6 7104.2	P108.6 P104.4	*110. *103.
Metal miningdo	77.6	93.2	104.6	111.9	106.9	98.6	98.1	96.8	94.0 137.1	101.2	106.2	103.7	r104.3	104.6		°137.
Coaldo Oil and gas extraction #do	131.8 92.7	137.9 92.9	149.7 90.8	155.1 88.9	144.7 88.9	134.7 89.5	137.7 89.6	145.5 89.1	90.5	129.2 90.6	130.2 90.8	135.4 90.3	144.2	144.4 790.6	p144.4	
Crude oildo Natural gasdo	100.3 85.5	98.5 86.6	96.9 89.2	95.8 87.0	95.6 84.8	94.9 89.0	92.9 88.6	91.6 86.3	94.7 87.6	92.2 88.8	91.9 86.8	90.7 87.8	^r 91.5 ^r 86.4	790.7 89.8	p91.1	
Stone and earth mineralsdo	128.2	139.9	144.0	149.4	150.8	142.5	143.5	144.5	146.6	150.2	152.1	151.5		⁷ 151.3	P151.5	
Utilitiesdo Electricdo	110.3 126.6	114.3 132.0	113.7 131.6	$115.4 \\ 132.9$	114.0 131.0	$116.5 \\ 135.3$	117.5 137.0	117.1 137.1	115.6 135.8	114.3 134.6	114.0 134.9	113.3 134.2	7114.5 7135.5	7115.9 7137.3	^p 115.5 ^p 136.8	
Manufacturingdo	134.7	142.7	145.8	146.3	147.2	146.8	147.0	148.0	148.1	148.7	148.5	149.2	148.8	*148.0	p148.6	
Nondurable manufacturesdo Foodsdo	136.8 137.8	143.9 142.7	146.7 145.7	147.1 145.8	148.5 146.6	148.1 146.3	148.6 145.4	149.6 146.6	149.5 147.2	$150.5 \\ 147.9$	150.8 147.3	151.1 148.3	7151.1 148.8	7152.2 7150.1	P152.7	°152.
Tobacco productsdo	103.5	105.2	102.4	107.0	105.0	104.7	101.5	109.2	105.9	104.2	97.1	99.9				
Textile mill productsdo Apparel productsdo	115.9 107.4	116.2 109.1	117.2 110.1	117.9 108.8	120.2 110.2	119.4 110.2	119.7 109.9	122.5 111.3	123.6 111.5	123.8 111.9	123.5 111.4	123.2 111.1	123.2 7111.2	'123.0 '110.8	^p 121.7 ^p 110.1	
Paper and productsdo	144.4	150.3	150.7	151.7	153.8	151.7	151.7	150.7	150.1	150.2		152.8	1	r155.2	P155.0	l
Printing and publishingdo Chemicals and productsdo	172.1 140.2	184.2 151.9	188.5 157.5	188.0 158.1	193.0 159.0	194.6 158.5	198.5 159.2	200.1 159.3	199.0 158.2	200.5 159.9	199.9 162.2	200.6 161.5	r159.3	⁷ 203.8 ⁷ 161.5	P205.6 P162.8	
Petroleum productsdo Rubber and plastics productsdo	93.5 163.6	96.0 174.4	95.0 177.5	$98.0 \\ 177.5$	98.0 175.9	96.3 175.0	97.0 176.4	97.3 178.0	96.9 180.5	97.9 182.3	98.3 182.3	97.7 183.6	⁷ 98.4 7184.2	798.1 7185.8	°98.1 °185.8	¢96.
Leather and productsdo	60.0	59.5	61.5	60.2	62.9	62.9	61.2	61.4	60.3	60.5	60.8	60.2	r60.4	r60.1	^p 57.3	
Durable manufacturesdo Lumber and productsdo	133.1 130.3	141.9 137.3	145.2 139.4	$145.7 \\ 143.0$	146.2 139.9	145.9 132.8	145.8 133.4	146.9 135.1	147.1 135.5	147.4 137.2	146.8 136.9	147.8 136.5	r147.2 r135.7	7145.0 7137.6	^p 145.7 ^p 138.9	
Furniture and fixturesdo	152.8	162.1	165.4	165.4	166.3	164.8	165.8	168.0	170.2	170.8	169.0	168.0	⁷ 167.6	r167.9	^p 167.5	1
Clay, glass, and stone productsdo Primary metalsdo	119.1 81.3	122.6 89.2	124.7 92.7	$125.1 \\ 90.0$	126.6 93.2	125.4 91.1	125.5 88.4	124.7 90.1	123.9 87.2	123.9 87.3	122.9 89.2	123.9 90.3	r123.4 89.2	′123.7 ′88.9	^p 124.2 ^p 85.1	°82.
Iron and steel	70.6 101.6	78.1 110.2	80.8 115.2	77.6 113.4	82.2 113.9	79.1 113.7	75.9 112.0	77.0 114.9	73.2 113.7	72.9 114.6	75.4 115.2	75.9 117.4	75.4	776.4 112.6	P72.1	
Fabricated metal productsdo Nonelectrical machinerydo	111.0 152.7		124.6 175.4	125.1 177.8	124.5 178.7	124.5 180.8	123.8 183.0	123.1 184.7	124.8 186.5	125.2 187.5	125.4 186.7	125.5 187.8	7124.4	r124.2 r184.9	p125.2	
Electrical machinerydo	172.3		182.2	180.9	180.9	181.7	181.6	182.2	181.6	181.9	181.4	183.7		r181.8	₽181.5	°180.
Transportation equipment do Motor vehicles and parts do	129.2 111.8		135.2 122.9	$136.8 \\ 125.5$	136.7 124.9	136.4 123.4	134.8 120.4	136.4 122.0	135.5 119.7	134.2 116.4	131.3 110.4	133.2 114.2	7131.9 112.7	7123.8 110.1	p125.0	
Instrumentsdo	143.9	154.3	160.4	159.1	161.0	161.3	161.8	163.0	164.3	165.7	166.0	164.1		⁷ 163.4	P162.9	
BUSINESS SALES				'									Ì			
Mfg. and trade sales (unadj.), total ‡mil. \$	5,394,437	5,829,069	501,375	533,442	466,290	475,439	527,377	510,744	530,722	539,496	484,836	532,799	531,921	⁷ 530,642	525,836	
Mfg. and trade sales (seas. adj.), total ‡do	¹ 5,394,437	¹ 5,829,069	r501,333	⁷ 506,142	511,881	507,328	507,555	517,745	518,088	515,695	511,144	526,290	522,760	⁷ 519,975	523,606	
Manufacturing, totaldo		2,611,589 1,388,211	224,632	230,827	231,485	228,353	228.048	234.042	233,071	231,236	225,922	238,150	233,562	r231,995	233,115	
Durable goods industriesdo Nondurable goods industriesdo	1,263,492 1,126,553	1,388,211 1,223,378	119,874 104,758	124,175 106,652	123,578 107,907	120,924 107,429	120,432 107,616	123,331 110,711	122,962 110,109	121,720 109,516		128,347 109,803	124,393 109,169		123,490 109,625	
Retail trade, totaldo	1,521,417	1,629,150	r139,561	r139,145	140,040	139,428	139,516	141,413	142,543	142,500	143,555	144,860	145,293	r143,426	144,184	
Durable goods storesdo Nondurable goods storesdo	572,489 948,928	628,543 1,000,607	r53,992 r85,569	754,125 785,020	53,815 86,225	53,071 86,357	52,886 86,630	53,901 87,512	54,139 88,404	54,016 88,484	54,653 88,902	55,876 88,984	55,861 89,432	r53,980 r89,446	54,026 90,158	
Merchant wholesalers, totaldo	1,482,975	1,588,330	⁷ 137,140	136,170	140,356	139,547	139,991	142,290	142,474	141,959	141,667	143,280	143,905	⁷ 144,554	146,307	
Durable goods establishmentsdo Nondurable goods establishmentsdo	725,683 757,292	782,744 805,586	768,426 768,714	68,427 67,743	70,302 70,054	69,343 70,204	68,796 71,195	69,345 72,945	70,293 72,181	69,147 72,812	70,220	71,228	71,543		73,288 73.019	
Mfg. and trade sales in constant (1982)	,202	230,000														
dollars (seas. adj.), total \$bil. \$. Manufacturingdo			463.1 210.8	465.8 215.7	465.0 212.4	460.2 209.1	457.6 207.6	464.8 212.1	463.5 210.6	462.2 209.3	458.1 204.7	472.5 215.4	468.9 211.4		467.4 210 1	
Retail tradedo			127.6 124.7	126.8 123.3	126.8 125.7	126.3 124.8	125.8	126.4	126.9	126.9	127.8	129.6	129.8	127.5	127.6	
Merchant wholesalersdo	·	†·····	124.1	123.3	125.7	124.8	124.2	120.3	126.0	126.0	125.6	127.6	121.8	128.0	129.1	
See footnotes at end of tables.																

January 1990			SURV	VEY C	F CU	RREN	T BU	SINES	SS							S-3
Unless otherwise stated in footnotes below, data through 1986 and Unite	Ann	ual	198	38						198	39					
methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		G	ENERA	L BUS	INESS	INDIC	TORS.	_Conti	nued							
	l			LIDOD	7		110100		1							
BUSINESS INVENTORIES Mfg. and trade inventories, book value (non-LIFO basis), end of period, (unadjusted), total †mil. \$	690,458	748,191	759,019	743,191	753,035	763,793	770,121	777,354	780,377	779,755	783,708	782,573	785,213	r804,080	810,385	
Mfg. and trade inventories, book value (non-LIFO basis), end of period, (seas. adj.), total ‡	700,761	753,718	r746,363	753,718	759,803	763,051	765,504	771,340	778,093	780,802	787,584	790,368	790,572	⁷ 793,157	796,780	*******************
Manufacturing, totaldo Durable goods industriesdo Nondurable goods industriesdo	331,132 216,598 114,534	354,163 233,666 120,497	351,603 231,766 119,837	354,163 233,666 120,497	357,458 236,810 120,648	359,056 238,165 120,891	361,130 239,330 121,800	363,458 240,486 122,972	365,055 241,689 123,366	366,492 242,295 124,197	370,803 245,813 124,990	371,489 246,378 125,111	370,890 245,621 125,269	r246,427	372,995 247,790 125,205	
Retail trade, totaldo Durable goods storesdo Nondurable goods storesdo	206,981 106,271 100,710	221,242 114,994 106,248	7217,699 7112,476 7105,223	221,242 114,994 106,248	222,584 115,704 106,880	224,185 116,169 108,016	224,693 115,993 108,700	226,656 117,093 109,563	230,423 118,835 111,588	231,762 119,542 112,220	232,831 119,864 112,967	235,350 121,782 113,568	236,791 123,030 113,761	^r 235,326 ^r 120,422 ^r 114,904	236,690 120,824 115,866	
Merchant wholesalers, total	162,648 106,482 56,166	178,313 115,743 62,570	7177,061 7115,120 761,941	178,313 115,743 62,570	179,761 117,255 62,506	179,810 117,932 61,878	179,681 117,424 62,257	181,226 119,069 62,157	182,615 120,481 62,134	182,548 120,231 62,317	183,950 122,142 61,808	183,529 121,520 62,009	182,891 120,614 62,277	⁷ 186,119 ⁷ 122,351 ⁷ 63,768	123,120	
Mfg. and trade inventories in constant (1982) dollars, end of period(seas. adj.),total §bil. §do. Manufacturingdo. do. Retail tradedodododododododododododododo			683.4 325.8 191.0 166.5	688.0 327.3 193.6 167.0	691.1 328.8 194.8 167.4	690.8 328.3 195.5 166.9	690.5 328.3 195.7 166.5	691.1 329.1 194.9 167.1	693.0 329.6 195.6 167.8	694.5 330.4 196.4 167.8	697.0 333.5 194.7 168.8	699.0 334.4 196.1 168.6	697.0 333.4 196.0 167.7	7700.9 7333.5 7197.2 7170.2	198.5	
BUSINESS INVENTORY-SALES RATIOS																
Manufacturing and trade, total ‡ ratio Manufacturing, totaldo			1.49 1.57	1.49 1.53	1.48 1.54	1.50 1.57	1.51 1.58	1.49 1.55	1.50 1.57	1.51 1.58	1.54 1.64	1.50 1.56	1.51 1.59	1.53 1.60	1.52 1.60	
Durable goods industries do Materials and supplies do Work in process do Finished goods do G			1.93 1.93 .54 .89	1.88 .53 .87 .48	1.92 .54 .88 .50	1.97 .55 .91 .51	1.99 .56 .93	1.95 1.95 .54 .92 .49	1.97 .54 .93 .49	1.99 .55 .94	2.10 .58 .99 .53	1.92 .53 .91 .48	1.97 .54 .93	r2.02 .56 .95	2.01 .55 .95	
Nondurable goods industries do Materials and supplies do Work in process do Finished goods do do			1.14 .45 .18 .51	1.13 .44 .18 .51	1.12 .44 .18 .50	1.13 .44 .18 .51	1.13 .44 .19 .51	1.11 .42 .19 .50	1.12 .42 .18 .51	1.13 .43 .19 .52	1.15 .43 .19 .53	1.14 .43 .19 .52	1.15 .43 .19 .53	71.14 .42 .19 .52	1.14 .43 .19 .52	
Retail trade, total		(1.56 72.08 1.23	1.59 2.12 1.25	1.59 2.15 1.24	1.61 2.19 1.25	1.61 2.19 1.25	1.60 2.17 1.25	1.62 2.19 1.26	1.63 2.21 1.27	1.62 2.19 1.27	1.62 2.18 1.28	1.63 2.20 1.27	71.64 72.23 71.28	1.64 2.24 1.29	
Merchant wholesalers, total	ļ		1.29 1.68 .90	1.31 1.69 .92	1.28 1.67 .89	1.29 1.70 .88	1.28 1.71 .87	1.27 1.72 .85	1.28 1.71 .86	1.29 1.74 .86	1.30 1.74 .87	1.28 1.71 .86	1.27 1.69 .86	1.29 1.71 7.87	1.28 1.68 .88	
Manufacturing and trade in constant (1982) dollars, total \$			1.48 1.55 1.50 1.34	1.48 1.52 1.53 1.36	1.49 1.55 1.54 1.33	1.50 1.57 1.55 1.34	1.51 1.58 1.56 1.34	1.49 1.55 1.54 1.32	1.50 1.57 1.54 1.33	1.50 1.58 1.55 1.33	1.52 1.63 1.52 1.34	1.48 1.55 1.51 1.32	1.49 1.58 1.51 1.31	1.51 1.59 71.55 71.33	1.51 1.59 1.56 1.32	
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS †															: 	
Shipments (not seas. adj.), totalmil. \$ Durable goods industries, totaldo	2,390,045 1,263,492		222,837 118,636	226,032 122,482	212,037 110,887	229,134 121,870	238,698 128,704	235,253 125,254	233,725 124,193	245,779 131,766		233,026 122,298	247,693 132,337	7238,230 7125,350	231,417 122,427	
Stone, clay, and glass productsdo Primary metalsdo	62,142 117,092	64,044 142,196	5,507	4,815 11,796	4,849 12,181	5,064 12,905	5,221 13,075	5,709 12,940	5,556 12,537	5,915 12,955	5,034 11.040	5,725 12,120	5,715 12,210	r5,900 r12,059	5,406	
Blast furnaces, steel mills do	50,812 135,005	60,950 144,064	4,945 12,234	4,836 11,732	5,068 11,771	5,198 13,210	5,365 14,012	5,391 13,591	5,239 13,760	5,208 14,369	4,464 12,419	4,863 13,927	4,841 14,581	74,890 714,506		
Fabricated metal productsdo Machinery, except electricaldo Electrical machinerydo	216,605 210,695	247,152 227,136	20,124 19,640	23,686 20,728	18,612 17,642	21,421 19,078	24,125 20,808	22,010 19,558	21,972 19,324	25,744 21,282	19,405 17,369	20,950 19,854	24,436 22,314	⁷ 21,561 ⁷ 20,098	21,296	
Transportation equipmentdo	323,026 197,049	351,927 219,257	31,334 20,049	31,993 18,020	29,190 20,158	32,477 21,778	32,811 20,518	32,854 21,739	32,534 21,266	31,883 19,246		31,128 19,455	33,365 19,962			
Motor vehicles and partsdododo	66,805	72,456	5,901	6,523	5,830	6,138	6,535	6,085	6,387	6,949	5,918 103,371	6,134 110,728	7,055 115,356	76,659 7112,880	6,567 108,990	1
Nondurable goods industries, totaldo Food and kindred productsdo Tobacco productsdo Textile mill productsdo	1,126,553 324,996 19,935 57,481	1,223,378 356,804 22,240 59,774	104,201 30,582 2,253 5,221	103,550 30,719 2,455 5,118	101,150 29,650 1,218 4,742	107,264 31,572 1,574 5,397	109,994 32,928 2,392 5,615	109,999 31,613 1,733 5,236	109,532 32,421 2,267 5,268	114,013 33,322 2,399 5,747	30,693	32,654 1,886 5,607	34,416 2,331 5,754	r33,791 r2,111	32,678 2,363 5,386	
Paper and allied productsdo Chemical and allied productsdo	110,252 212,705	124,187	10,373 20,104	10,528 20,397	10,822 20,853	11,036 21,483	11,098 21,960	11,001	10,787 21,739	11.387	10,439	10,949 21,099	11,091 21,837	711,046 720,566	10,636 20,145	
Petroleum and coal productsdodo	124,528 80,510	124,218	10,120 7,724	10,363 7,518	10,044 7,885	10,162 8,200	10,611 8,162	22,413 12,094 8,466	11,933 8,516	22,463 12,331 8,683	11,905 7,194	11,495 8,127	12,076 8,249	12,103	11,551	
Shipments (seas. adj.), totaldo			224,632	230,827	231,485		228,048	234,042	233,071	231,236		238,150	233,562	1		
By industry group: Durable goods industries, total #do			119,874	124,175	123,578	120,924	120,432	123,331	122,962	121,720		128,347 5,451	124,393 5,328	7121,840 75,515	123,490	
Stone, clay, and glass productsdo Primary metalsdo Blast furnaces, steel millsdo		}	5,588 12,709 5,206	5,549 12,861 5,201	5,575 12,869 5,222	5,356 12,553 5,080	5,150 12,377 5,103	5,451 12,486 5,128	5,404 12,250 5,048	5,466 12,179 4,858	5,287 12,100 4,867	12,215 4,973	11,978 4,863	711,819	11,654	
Fabricated metal products do			12,597	12,865	13,198	13,044	13.135	13,269	13,370	13,327	13,392	14,060	13,939	r13,983	14,190	
Machinery, except electricaldo Electrical machinerydo			20,894 19,099	21,642 19,953	21,491 19,794	21,939 19,225	21,948 19,541	22,054 20,299	22,253 19,952	22,558 19,839	21,586 19,564	22,842 20,064	20,312	r19,930	19,936	
Transportation equipmentdo			30,960 19,671 5,960	32,521 20,948 6,342	31,834 20,850 6,403	30,698 19,700 6,259	30,298 18,941 6,200	31,489 20,146 6,308	31,177 19,805 6,439	30,003 18,154 6,393	27,096 15,752 6,264	35,295 22,598 6,344	32,167 19,239 6,549	718,518	19,974	
Nondurable goods industries, total #do		***************************************	104,758	106,652	107,907	107,429	107,616	110,711	110,109	109,516	108,808	109,803	109,169	r110,155	109,625	
Food and kindred productsdodo		}	30,607 2,109 5 260	30,995 1,957 5,997	31,720 1,878 5,520	31,842 1,819	32,364 2,003	32,283 2,104 5,237	32,470 2,083	32,245 1,893	31,730 1,792 5,254	32,968 1,961 5,342	32,258 2,008 5,216	r2,323	2,190	
Textile mill productsdo Paper and allied productsdo Chemicals and allied productsdo		ļ	5,269 10,779 21,352	5,397 10,956	5,520 10,938	5,458 10,802 21,021	5,333 10,896	5,337 10,927 21,497	5,315 10,900	5,311 10,906 21,457	10.846	5,342 10,885 21,455	10,857	710,976	11,032	
Petroleum and coal productsdo Rubber and plastics productsdo		.L	9,940 7,835	21,110 10,237 8,318	21,327 10,384 8,568	10,786 7,986	20,862 11,090 7,875	12,306 8,174	21,478 11,934 8,310	11,986 8,072	21,820 11,522 8,021	10,992 8,246	11,902	r11.924	11,537	
See footnotes at end of tables.	1	1	1	.,	.,	, , , , ,	,=:=	, , ,	, -	, <u>-</u> l	, , ,			1	1	I

Unless otherwise stated in footnotes	Ann	ual	198	18						198	9					
below, data through 1986 and Units methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		G	ENERA	L BUS	INESS	INDICA	ATORS-	Conti	nued							
MANUFACTURERS' SHIPMENTS,						T										
INVENTORIES, AND ORDERS †-Continued									1	Ì						
Shipments (seas. adj.)—Continued By market category:				1	1	i			ĺ	ſ	}			}		
Home goods and apparelmil. \$ Consumer staplesdo	¹ 164,861 ¹ 461,025	¹ 170,860 ¹ 501,301	14,454 43,253	15,317 43,518	15,108 44,467	14,797 44,556	14,608 44,969	14,894 45,727	14,660 45,902	14,668 45,471	14,513 45,362	14,823 46,622	14,657 46,076	714,918 746,808		·····
Equipment and defense products, except autodo	¹ 391,189	¹ 433,296	36,537	38,315	37,178	37,153	37,802	38,337	38,616	38,878	38,317	40,285	40,530	r38,644	38,999	
Automotive equipmentdo Construction materials, supplies, and	1223,069	1248,003	22,243	23,527	23,343	22,154	21,351	22,522	22,256	20,356	17,956	24,963	21,578	720,933	22,359	
intermediate productsdo Other materials, supplies, and	1192,664	1204,769	17,529	18,102	18,390	17,400	17,251	17,473	17,331	17,355	17,124	17,899	17,463	r17,767	17,724	***************************************
intermediate productsdo Supplementary series:	1957,287	1,052,710	90,616	92,048	92,999	92,293	92,067	95,089	94,306	94,508	92,650	93,558	93,258	r92,925		***************************************
Household durablesdo Capital goods industriesdo	¹ 75,607 ¹ 445,633	¹ 79,219 ¹ 486,607	6,949 41,172	6,934 42,772	6,933 42,060	6,955 41,858	6,864 42,528	6,977 43,232	6,948 43,224	6,781 43,984	6,705 42,456	6,918 45,082	6,758 44,962	77,025 742,424	7,073 42,573	
Nondefense do Defense dodo	1336,190 1109,443	² 380,017 ² 106,590	32,512 8,660	32,675 10,097	33,330 8,730	33,455 8,403	34,079 8,449	34,599 8,633	34,527 8,697	34,759 9,225	34,263 8,193	36,146 8,936	35,730 9,232	734,171 78,253	33,942 8,631	
Inventories, end of year or month: Book value (non-LIFO basis),		,		·			,	1		, l	ĺ			1		
(unadjusted), total	325,695 212,265	348,465 229,040	350,223 230,625	348,465 229,040	356,430 235,168	360,741	362,082 240,180	365,848 242,195	368,621 244,712	366,693 242,874	371,440 246,576	372,752 247,377	369,102 244,580	r370,808 r245,807		
Nondurable goods industries, totaldo	113,430	119,425	119,598	119,425	121,262	238,967 121,774	121,902	123,653	123,909	123,819	124,864	125,375	124,522	7125,001	124,932	
Book value (non-LIFO basis), (seasonally adjusted), total	331,132	354,163	351,603	354,163	357,458	359,056	361,130	363,458	365,055	366,492	370,803	371,489	370,890	r371,712	372,995	
By industry group: Durable goods industries,	010 500	000 202	001 500	000.000	000.015	000 100	990 000	940 100	041.000	040'00#	045.040	040.000	945.00	1940 100	045 500	
total #dododo	216,598 7,216	233,666 7,505	7,464	233,666 7,505	236,810 7,561	238,165 7,609	239,330 7,630	240,486 7,704	241,689 7,740	242,295 7,748	245,813 7,840	246,378 7,799 21,233	245,621 7,844	r246,427	7,839	
Primary metals do Blast furnaces, steel mills do Blast furnace	18,189 8,590	20,279 10,119	19,980 9,763	20,279 10,119	20,589 10,222 23,776	20,785 10,353	20,880 10,537	21,036 10,563	21,223 10,526	21,275 10,532	21,413 10,658	10,657	21,040 10,613	720,822 710,533	10,587	
Fabricated metal productsdo Machinery, except electricaldo	22,684 41,935 39,396	23,552 46,729 40,683	23,478 46,172 40,746	23,552 46,729 40,683	47,407	23,771 47,532 41,371	23,962 47,730 41,288	23,947 47,660 41,553	23,892 47,820 41,564	23,726 47,885 41,087	24,105 48,234 41,637	24,170 48,370 41,787	23,934 48,429 41,316	723,761 748,411 741,318	48,742	
Electrical machinerydo Transportation equipmentdo Motor vehicles and	57,203	63,229	62,305	63,229	41,090 64,660	65,368	65,996	66,681	67,557	68,333	70,081	70,164	69,785	770,666	71,728	
partsdo Instruments and related	11,391	11,839	11,872	11,839	12,282	12,246	12,169	12,134	12,237	12,152	13,030	12,686	12,339	^r 12,433	12,354	
productsdo By stage of fabrication:	12,669	14,040	13,798	14,040	14,125	14,218	14,336	14,361	14,062	14,107	14,098	14,095	14,277	r14,350	14,499	***************************************
Materials and suppliesdo Work in processdo	61,255 99,952	65,252 108,392	65,298 106,884	65,252 108,392	66,273 109,309	66,852 110,118	67,278 111,555	66,887 113,381	66,748 114,291	66,681 114,668	67,565 116,487	67,746 116,560	67,611 115,477	⁷ 68,010 ⁷ 115,756		
Finished goodsdo	55,391	60,022	59,584	60,022	61,228	61,195	60,497	60,218	60,650	60,946	61,761	62,072	62,533	r62,661	62,471	
Nondurable goods industries, total #dodo	114,584	120,497 26,361	119,837 26,003	120,497 26,361	120,648 26,266	120,891 26,245	121,800 26,301	122,972 26,588	123,366 26,181	124,197 26,180	124,990 26,416	125,111 26,326	125,269 26,442	^r 125,285 ^r 26,243	125,205 26,268	
Food and kindred productsdo Tobacco productsdo Textile mill productsdo	24,744 5,586 7,458	5,609 7,605	5,710 7,648	5,609 7,605	5,349 7,636	5,432 7,606	5,372 - 7,495	5,403 7,648	5,431 7,810	5,525 7,803	5,669 7,973	5,659 8,093	5,587 8,086	75,583 78,140	5,563	
Paper and allied productsdo Chemicals and allied	11,242	12,065	11,939	12,065	12,093	11,941	11,905	11,943	12,070	12,320	12,483	12,572	12,597	r12,605	12,558	
productsdo Petroleum and coal	25,061	27,515	27,235	27,515	27,601	27,880	28,510	28,816	29,069	29,182	29,209	29,396	29,415	r29,386	29,295	
productsdodo	9,951	8,879	8,757	8,879	9,376	9,578	9,897	10,346	10,423	10,695	10,554	10,452	10,335	r10,370	•	
productsdo By stage of fabrication:	9,112	10,326	10,394	10,326	10,418	10,405	10,572	10,555	10,567	10,619	10,657	10,631	10,629	⁷ 10,640		
Materials and suppliesdo Work in processdo	44,854 18,752	47,294 19,291	47,664 19,071	47,294 19,291	46,963 19,532	46,900 19,522 54,469	46,858 20,075	46,780 20,493	46,679 20,290	46,773 20,524	46,891 20,837	47,073 20,919	46,643 20,985	746,769 721,405	21,241	
Finished goodsdo By market category:	51,428	53,912	53,102	53,912	54,153	54,469	54,867	55,699	56,397	56,900	57,262	57,119	57,641	757,111		
Home goods and appareldo Consumer staplesdo	26,772 42,399	26,313 44,900	26,459 44,485	26,313 44,900	26,177 44,206	26,058 44,279	26,053 44,454	26,257 44,977	26,419 44,909	26,286 45,269	26,811 45,666	27,218 45,788	27,548 45,777	r27,729 r45,731	28,010 45,713	
Equip. and defense prod., exc. autodo	96,004	105,287	103,320	105,287	106,390	107,523	108,309	109,160	109,580	110,611	111,854	112,073	111,923	r112,353	113,547	
Automotive equipmentdo Construction materials, supplies, and	14,013	14,611	14,717	14,611	15,002	15,045	15,013	15,165	15,245	15,287	16,243	15,845	15,428	715,447	15,316	1
intermediate productsdo Other materials, supplies, and	24,222		1 1		25,201	25,059	25,042		25,405	1	26,038	i '	26,025		26,004	i
intermediate productsdo Supplementary series:	127,722	1	1		140,482	141,092	142,259		143,497							
Household durablesdo Capital goods industriesdo	12,843 110,643	121,064	12,712 119,518		12,952 122,944	12,927 124,034	13,046 124,742	13,110 125,413	13,146 126,541	127,190	13,232 128,543	13,513 129,122	13,687 128,834 91,803	713,688 7129,794	131,298	
Nondefensedo Defensedo	77,139 33,504	35,373	84,167 35,351	85,691 35,373	87,167 35,777	88,241 35,793	88,326 36,416	89,051 36,362	89,755 36,786	36,776	91,443 37,100	91,720 37,402	37,031	737,719	38,226	
New orders, net (unadj.), totaldo Durable goods industries, totaldo	2,423,597 1,293,236	1,435,605	225,235 121,294	235,710 132,230	222,407 120,986	235,462 128,116	246,325 135,749	240,054 130,202	231,196 121,766	132,111	213,360 109,964	118,323	132,753	7125,267	130,003	
Nondurable goods industries, totaldo New orders, net (seas. adj.), totaldo	1,130,361	1,223,920	103,941 228,153	103,480 238,886	101,421 236,075	107,346 231,306	110,576 233,011	109,852 239,907	109,430 233,753	114,387 235,157	103,396 230,447	110,775 236,793	1	r112,102		
By industry group: Durable goods industries, totaldo	1,293,236	¹ 1,435,605	123,035	132,149	128,479	124,107	125,377	129,372	123,524	125,137	122,031	126,766	125,227	r124,262	130,227	
Primary metalsdo Blast furnaces, steel millsdo	. 122,590	1 144.128	12,624 4,950	13,210 5,350	13,079 5,840	12,602 5,112	11,885 4,635	12,865 4,741	12,481 4,870	11,770 4,424	11,510 4,436		11,399 4,541	711,022 74,768	11,263 4,590	
Nonferrous and other pri- mary metalsdo	159,129	173,288	6,820	6,902	6,274	6,568	6,412	7,163	6,686	6,528	6,295	5,972	6,012	75,465	5,895	
Fabricated metal products do Machinery, except electricaldo	. 1136,494 1221,041	1 253,798	21,443	12,917 21,710	12,983 22,384	13,377 21,921	12,910 22,255	13,007 22,731	12,792 22,288	23,348	12,820 20,917	22,643	13,689	713,875 721,476	22,700	
Electrical machinerydo Transportation equipmentdo	. 1212,442 . 1337,585	1388,832	32,401	39,550	36,133	33,381	18,272 37,050	19,890 37,062	33,470	19,593 33,414	19,778 34,012	36,514	20,898 32,555 11,570	733.185	36,688	
Aircraft, missiles, and partsdo Nondurable goods industries, totaldo	1 '	1	10,763 105,118	1 '	13,350 107,596		15,892 107,634	15,240 110,535	1	12,312 110,020	17,134 108,416	12,426 110,027	109,127	1		
Industries with unfilled orders :do			1	27,018	26,660		26,701	27,305	27,315	27,544	26,768	27,571	27,282	r27,040	i	
Industries without unfilled orders ⊘do	1	1	78,117	79,719	80,936	1	80,933	1	}	82,476	81,648	82,456	81,845	182,765	82,024	
By market category: Home goods and appareldo	166,091	1170,374	14,481	15,504	15,457	14,646	14,473	14,977	14,361	14,558	14,540	14,769	14,828	⁷ 15,148	14,757	
Consumer staplesdo	460,952	501,477	43,268	43,491	44,417 40,472	44,525 40,503	44,945	45,683 43,728	46,136	45,554	45,278 40,711	46,651	46,040 41,707	r46.809	46,680	
Automotive equipmentdo Construction materials, supplies, and	228,548	1247,655	22,311	23,633	23,295	22,141	21,842	22,344	22,011	20,255	17,777	24,820	21,428	720,788	i	ļ
intermediate productsdo Other materials, supplies, and	1	1	17,547	18,098	18,163		17,106	17,366	17,295	1	16,805	17,837	17,546			
intermediate productsdo Supplementary series:	1	1,066,508	90,155	91,626	94,271	92,311	93,434	95,809	93,812	1	95,336	98,127	92,815	r93,008		
Household durablesdo Capital goods industriesdo	466,264	528,817	44,216	49.839	7,206 47,167	6,813 45,348	6,708 48,598	7,119 48,940	6,639 44,862	6,673 48,084	6,801 49,071	6,913 45,086	45,980	77,139 45,546	6,995 49,946	
Nondefensedo Defensedo	1856,478	419,559	35,825	39,432 10,407	40,352 6,815	37,189	38,137	40,389	37,290 7,572	39,146 8,938	41,445 7,626			785,975 79,571	38,759 11,187	
See footnotes at end of tables.	•	1	'	1	1	ı	1	1	ı	1	ı	1	1	1	ı	1

January 1990			SUR	VEY ()F CU	KKEN	L RO	SINE	55							S-5
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in	Anz 1987	1988	Nov.		Jan.	Feb.	M	4	34	19 June			St	Oct.	Nov.	Dec.
Business Statistics: 1986	1987			Dec.			Mar.	Apr.	May	June	July	Aug.	Sept.	Oet,	NOV.	Dec.
		G	ENERA	T BOS	INESS	INDICA	ATORS	-Conti	nued		-			_	-	
MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS ††—Continued Unfilled orders, end of period (unadjusted), totalmil. \$mil. \$	415,998	463,934	454,256	463,934	474,304	480,632	488,259	493,060	490,531	491,250	496,816	492,888	493,140	⁷ 492,279	499,261	
Durable goods industries, totaldodo	396,563 19,435	443,957 19,977	434,209 20,047	443,957 19,977	454,056 20,248	460,302 20,330	467,347 20,912	472,295 20,765	469,868 20,663	470,213 21,037	475,754 21,062	471,779 21,109	472,195 20,945	'472,112 '20,167	479,688	
Unfilled orders, end of period (seasonally adjusted) totalmil. \$ By industry group:	421,243	468,860	460,802	468,860	473,450	476,403	481,366	487,231	487,913	491,834	496,359	495,002	495,794	*497,866	504,491	
Durable goods industries, total #do Primary metals	400,720 23,896 11,637 10,265	447,868 25,737 10,903 12,591	439,895 25,388 10,754 12,428	447,868 25,737 10,903 12,591	452,769 25,947 11,521 12,121	455,952 25,996 11,553 12,106	460,897 25,504 11,085	466,938 25,883 10,698	467,500 26,114 10,520 13,140	470,917 25,705 10,086 13,190	475,834 25,115 9,655	474,253 24,151 9,117 12,634	475,087 23,572 8,795 12,431	r477,509 r22,775 r8,718		
Fabricated metal products do Machinery, except electrical do Electrical machinery do Transportation equipment do Aircraft, missiles, and parts do do	29,970 52,702 93,696 173,733 144,343	28,406 59,963 93,498 212,120 174,722	28,354 59,896 93,529 205,091 169,763	28,406 59,963 93,498 212,120 174,722	28,191 60,856 93,267 216,419 179,176	28,524 60,838 93,615 219,102	28,299 61,145 92,346 225,854 187,793	28,037 61,822 91,937 231,427	27,459 61,857 90,662 233,720 196,185	27,567 62,647 90,416 237,131	26,995 61,978 90,625 244,047 206,512	26,210 61,779 89,985 245,266 208,617	25,960 62,088 90,571 245,654 209,565	*25,852 *61,579 *90,772 *249,020	25,514 61,951 92,525 254,607	
Nondurable goods industries with unfilled orders ‡do	20,523	20,992	20,907	20,992	20,681	20,451	20,469	20,293	20,413	20,917	20,525	20,749	20,707	r20,357		,
By market category: Home goods and appareldo Consumer staplesdo Equip. and defense prod., excl.	9,075 675	8,387 836	8,200 863	8,387 836	8,736 786	8,585 755	8,450 731	8,533 687	8,234 921	8,124 1,004	8,151 920	8,097 949	8,263 913	r8,493 r914	934	
auto	252,751 9,239 15,060	286,731 8,888 15,541	278,513 8,782 15,545	286,731 8,888 15,541	290,025 8,840 15,314	293,375 8,827 15,094	297,284 8,818 14,949	302,675 8,640 14,842	304,197 8,395 14,806	308,388 8,294 14,670	310,782 8,115 14,351	310,586 7,972 13,789	311,763 7,817 13,872	r313,753 r7,672 r13,790	7,697	
intermediate productsdo Supplementary series: Household durablesdo Capital goods industriesdo	134,443 6,480 301,674	148,477 6,122 345,037	5,898 337,971	148,477 6,122 345,037	149,749 6,395 350,144	149,767 6,253 353,634	151,134 6,092 359,704	151,854 6,234 365,412	151,360 5,925 367,050	151,354 5,817 371,150	5,913 377,765	153,609 5,908 377,769	153,166 6,043 378,787	7153,244 76,157 7381,909	6,079 389,282	**************
Nondefense	139,814 161,860	179,640 165,397	172,884 165,087	179,640 165,397	186,662 163,482	190,396 163,238	194,454 165,250	200,244 165,168	203,007 164,043	207,394 163,756	214,576 163,189	215,560 162,209	215,171 163,616	7216,975 7164,934	221,792 167,490	······
New incorporations (50 States and Dist. Col.): Unadjusted	685,572	684,109	49,186 53,638	58,165 58,516	58,031 58,499	55,905 58,724	68,311 60,133	55,411 55,245	62,242 57,738	61,041 57,586	51,373 54,478	56,755 56,642	51,014 54,502	53,175 53,282		
INDUSTRIAL AND COMMERCIAL FAILURES @								E	į							
Failures, total number Commercial service do Construction do Manufacturing and mining do Retail trade do Wholesale trade do	61,384 23,928 6,775 4,912 12,272 4,353	57,093 22,756 6,811 4,703 11,485 4,451	4,262 1,531 597 350 888 319	3,894 1,316 514 288 889 311	4,663 1,752 583 399 938 338	4,276 1,650 566 359 890 270	4,783 1,732 649 379 1,080 380	3,926 1,411 538 288 814 315	4,406 1,655 573 357 948 304	4,180 1,441 586 321 962 304	3,679 1,281 539 300 820 236	4,231 1,394 628 387 920 314	3,676 1,230 532 336 832 275	968		
Liabilities (current), total mil. \$. Commercial service do Construction do Manufacturing and mining do Retail trade do Wholesale trade do	34,818.2 7,761.2 2,359.8 4,074.3 2,734.7 1,534.1	35,892.7 7,944.4 1,853.9 4,502.7 3,991.3 2,072.0	2,047.5 343.1 109.5 355.4 413.9 91.2	2,026.8 318.3 103.6 317.4 161.6 49.4	2,100.0 480.3 98.9 391.1 140.6 94.1	2,316.1 376.2 94.8 264.7 161.3 104.6	2,948.0 435.0 262.7 166.4 200.4 77.6	6,145.6 1,076.8 129.3 326.9 149.7 63.2	1,873.2 428.8 141.1 234.0 139.5 106.2	2,186.0 441.5 100.9 290.9 259.8 81.1	4,073.4 413.2 141.9 312.7 235.2 59.0	2,960.0 596.8 188.9 264.8 1,091.6 86.2	1,751.2 453.6 169.7 259.8 229.9 45.6	2,223.9 487.4 225.7 159.9		
Failure annual rateNo. per 10,000 concerns	102.0	98.0		CO	MMOD	ITV DI	DICES					<u>-</u>				······
PRICES RECEIVED AND PAID BY						11111	CLCES	7			****				.]	
FARMERS † Prices received, all farm products1910-14=100	578	631	657	663	682	677	679	672	680	673	667	657	655	663	⁷ 670	675
Crops # .do Commercial vegetables .do .do .do Cotton .do Feed grains and hay .do Food grains .do Fruit .do Tobacco .do Livestock and products # .do Dairy products .do Meat animals .do	458 719 503 268 282 669 1,255 703 764 921	544 707 484 378 378 669 1,286 721 746 949	588 731 477 421 427 717 1,398 728 820 918	590 725 468 424 432 712 1,400 739 826 939	604 891 455 432 439 656 1,411 762 820 983	595, 833, 447, 431, 441, 653, 1,389, 762, 801, 992,	590 744 475 436 445 585 1,389 773 777 991	604 851 497 438 442 613 1,395 742 752 957	611 760 497 436 440 743 1,395 752 746 966	595 757 497 415 424 730 1,395 754 752 972	580 835 512 398 421 589 1,394 757 771	545 681 516 378 417 602 1,379 773 807 996	546 622 539 378 416 745 1,442 769 856 968	553 709 557 371 418 780 1,417 778 899 984	7551 7665 7556 373 7411 7748 71,399 7794 7948 7988	542 613 529 374 422 682 1,402 815 972 1,018
Poultry and eggs	244 849 1,110	269 908 1,167	293	288	294 943 1,207	292	343	953 1,220	335	328	953 1,226	316	316	293 949 1,227	306	309
Parity ratio §do CONSUMER PRICES \$\(\text{(U.S. Department of Labor Indexes)}\)	52	54	55	56	57			55			54			54		
Not Seasonally Adjusted ALL ITEMS, WAGE EARNERS AND CLERICAL WORKERS (CPI-W)1982-84=100 ALL ITEMS, ALL URBAN CONSUMERS (CPI-U)	112.5 113.6	117.0 118.3	119.0 120.3	119.2 120.5	119.7 121.1	120.2 121.6	120.8 122.3	121.8 123.1	122,5 123.8	122.8 124.1	123.2 124.4	123.2 124.6	123.6 125.0	124.2 125.6	124.4 125.9	124.6 126.1
All items less shelter	111.6 113.6 112.6	115.9 118.3 117.0	118.0 120.3 119.0	118.1 120.4 119.1	118.7 120.8 119.7	119.2 121.3 120.1	119.9 122.0 120.8	121.0 122.9 121.7	121.7 123.5 122.3	122.0 123.9 122.6	122.0 124.2 122.9	122.0 124.3 123.0	122.6 124.8 123.4	128.1 125.4 124.0	123.3 125.6 124.2	123.5 125.8 124.4
. AT THE STATE OF SAME OF SAMEON																

Unless otherwise stated in footnotes		1	100							191			-,			
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			C	OMMO	DITY P	RICES-	Conti	nued								
CONSUMER PRICES †—Continued																
(U.S. Department of Labor Indexes)—Continued						{	į	1						ŀ		
Not Seasonally Adjusted All items (CPI-U)—Continued	Ì					-	ŀ	-							}	
Commodities	107.7	111.5	113.5	113.5	113.9	114.3	115.2	116.7	117.5	117.2	117.0	. 116.7	117.3	118.1	118.3	118.2
Nondurablesdo Nondurables less fooddo	107.5 101.8	111.8 105.8	114.1 108.2	113.9 107.5	114.3 107.1	114.9 107.6	$116.2 \\ 109.4$	118.4 112.8	119.3 113.9	119.0 113:1	$\frac{118.7}{112.2}$	118.4 111.5	119.3 112.9	$120.1 \\ 114.1$	120.0 113.6	$119.8 \\ 112.6$
Durablesdo	108.2 104.3	110.4 107.7	111.8 109.7	112.2 109.4	112.5 109.2	112.4 109.5	111.9 110.5	111.8 112.5	111.9 113.2	112.1 112.8	111.9 112.1	111.4 111.6	111.3 112.4	112.1 113.4	113.0 113.4	$113.5 \\ 113.0$
Servicesdo	120.2	125.7	127.8	128.1	128.9	129.4	130.0	130.2	130.8	131.6	132.5	133.1	133.4	133.7	134.1	134.6
Food #	113.5 111.9	118.2 116.6	120.2 118.7	120.7 119.1	122.2 121.2	122.9 122.0	$123.5 \\ 122.7$	124.2 123.5	124.9 124.4	$125.0 \\ 124.3$	125.5 124.8	125.8 124.9	$126.1 \\ 125.0$	$126.5 \\ 125.4$	$\frac{126.9}{125.8}$	$127.4 \\ 126.5$
Housingdo	114.2	118.5	119.9	120.2	120.7	121.1	121.5	121.6	122.1	122.9	123.9	124.2	124.3	124.4	124.5	124.9
Shelter #do Rent, residentialdo	121.3 123.1	127.1 127.8	129.1 129.8	129.3 130.1	129.8 130.5	130.3 130.9	131.2 131.1	131.2 131.4	131.8 131.7	132.3 132.3	133.6 133.0	134.1 133.5	134.1 133.9	134.8 134.7	135.2 135.2	$135.6 \\ 135.5$
Homeowners' cost	124.8	131.1	133.8	134.0	134.4	134.7	135.0	135.4	136.2 107.0	136.5	137.3	138.1	138.9 109.7	139.7	140.3 107.5	140.9 108.4
Fuel oil and other household	103.0	104.4	104.3	105.0	106.0	105.9	105.9	106.2		109.2	109.7	109.7		108.0	İ	
fuel commoditiesdo Gas (piped) and electricitydo	77.9 103.8	78.1 104.6	75.0 103.7	76.8. 104.1	80.5 105.1	81.4 104.9	81.5 104.8	82.5 105.0	81.5 106.1	80.2 110.5	79.7 111.1	78.9 111.3	79.3 111.0	82.0 107.6	83.9 106.1	88.7 107.0
Household furnishings and op- erationdo	107.1	109.4	110.6	110.6	110.9	110.9	110.5	110.7	110.8	111.1	111.4	111.4	111.7	111.9	111.9	111.7
Apparel and upkeepdo	110.6	115.4	119.9	118.0	115.3	115.3	119.3	120.9	120.4	117.8	115.0	115.0	120.0	122.7	122.1	119.2
Transportation do Private do	105.4 104.2	108.7 107.6	110.7 109.6	110.8 109.6	111.1 109.8	111.6 110.3	111.9 110.7	114.6 113.6	116.0 115.0	115.9 114.9	115.4 114.3	114.3 113.1	113.7 112.4	114.5 113.3	$115.0 \\ 113.7$	$115.2 \\ 113.9$
New carsdo	114.6	116.9	118.7	119.1 120.2	119.5	$^{119.6}_{120.5}$	119.6)	119.4 120.7	119.5 121.0	119.1	118.6 121.1	117.7 120.3	117.0 119.8	118.6 119.7	$\frac{120.5}{120.1}$	121.8 119.7
Used carsdo Publicdo	113.1 121.1	118.0 123.3	119.7 125.3	126.5	$120.5 \\ 127.5$	128.1	$120.5 \\ 128.2$	128.4	128.9	$121.3 \\ 129.6$	129.7	130.1	130.1	130.6	131.3	131.7
Medical caredo	130.1	138.6	141.8	142.3	143.8	145.2	146.1	146.8	147.5	148.5	149.7	150.7	151.7	152.7	153.9	154.4
Seasonally Adjusted ‡ All items, percent change from							ļ									
previous month	ļ		.3	.3	.6	.4	.5	.7	.6	.2	.2 117.3	.0	.2 117.0	.5	.4 117.9	.4 118.1
Commodities less fooddo			113.2 109.1	113.4 109.2	114.2 109.9	$114.6 \\ 110.2$	115.3 110.8	116.5 112.4	117.4 113.3 125.0	$117.4 \\ 113.1$	112.8	116.8 112.0	112.1	117.7 112.8	112.8	112.8
Food at home do			120.8 119.3	121.2 119.8	122.1 120.9	122.6 121.4	$123.6 \\ 122.6$	$124.2 \\ 123.3$	125.0 124.3	$125.3 \\ 124.5$	125.7 124.7	125.9 124.9	126.2 125.0	$126.7 \\ 125.6$	$127.4 \\ 126.5$	$128.0 \\ 127.1$
Apparel and upkeepdo			117.4	117.7	117.7	117.5	119.1	119.4	120.4	119.1	118.1	116.3	118.3	119.5	119.6	118.8
Transportationdo Privatedo			110.4 109.3	110.4 109.3	111.2 110.0	111.9 110.8	112.6 111.5	115.0 114.1	116.1 115.2	$115.9 \\ 115.0$	115.2 114.2	114.3 113.2	113.7 112.5	$\frac{114.5}{113.4}$	114.7 113.5	$114.8 \\ 113.6$
New carsdo			117.9	118.1	118.9	119.3	119.7	119.8	119.6	119.3	118.8	118.5	118.0	118.7	119.6	120.8
Servicesdo			128.0	128.6	129.1	129.7	130.3	130.6	131.2	131.6	132.3	132.7	132.9	133.5	134.3	135.0
PRODUCER PRICES 8 (U.S. Department of Labor Indexes)			1			İ										
Not Seasonally Adjusted																
All commodities	102.8	106.9	108.3	109.0	110.5	110.8	111.5	112.3	113.2	112.9	112.8	112.0	112.3	112.7	112.7	113.0
By stage of processing: Crude materials for further						Ì		1								
processingdo Intermediate materials, supplies, and	93.7	96.0	94.5	97.3	101.4	101.2	103.2	104.4	106.1	104.1	103.9	7101.1	102.0	101.8	102.3	104.0
components do Finished goods #do	101.5 105.4	107.1 108.0	108.9 109.8	109.4 110.0	110.6 111.1	$\frac{111.0}{111.7}$	111.5 112.1	112.4 113.0	112.7 114.2	$112.7 \\ 114.3$	112.5 114.1	^r 112.0 r113.4	112.4 113.5	112.3 114.8	112.2 114.8	$112.0 \\ 115.3$
Finished consumer goodsdo	103.6	106.2	108.0	108.2	109.4	110.1	110.6	111.8	113.2	113.1	112.8	7111.9 7119.0	112.1	113.3 120.3	113.2 120.6	113.9 120.7
Capital equipmentdo By durability of product:	111.7	114.3	116.1	116.4	117.1	117.5	117.5	117.6	118.3	118.8	118.7	1	118.8			
Durable goodsdodo	109.9 97.5	114.7 101.1	116.8 102.0	117.2 102.8	118.1 104.8	118.3 105.2	118.5 106.1	118.7 107.4	118.9 108.6	$119.0 \\ 108.2$	118.8 108.1	7119.0 106.7	119.1 107.2	$120.0 \\ 107.2$	$119.9 \\ 107.3$	$119.6 \\ 108.0$
Total manufacturesdo Durable manufacturesdo	104.4 109.6	109.1 114.1	111.0 116.0	111.4 116.4	112.5 117.1	112.9 117.4	$113.4 \\ 117.6$	114.4 117.8	115.0 118.1	$\frac{114.9}{118.3}$	114.7 118.2	114.2 118.4	114.5 118.5	115.2 119.5	115.1 119.4	$115.1 \\ 119.2$
Nondurable manufacturesdo	99.2	104.1	106.1	106.4	107.8	108.3	109.2	110.8	111.6	111.3	110.9	r110.0	110.4	110.8	110.8	110.9
Farm products, processed foods and feedsdo	103.7	110.0		112.9	115.0	114.6	116.1	115.0	116.8	115.4	115.5	115.0	114.4	114.3	115.4	116.5
Farm productsdo Foods and feeds, processeddo	95.5 107.9	$104.9 \\ 112.7$		108.9 115.0	112.0 116.6	110.8 116.6	113.8 117.5	$111.0 \\ 117.2$	115.1 117.9	111.8 117.4	110.5 118.1	r109.3 r117.9	107.3 118.1	106.9 118.1	108.5 119.0	$111.1 \\ 119.3$
Industrial commoditiesdo	102.6	106.3	107.5	108.1	109.6	110.1	110.5	111.8	112.4	112.4	112.2	111.4	111.9	112.4	112.2	112.3
Chemicals and allied productsdo Fuels and related prod., and	106.4	116.3	121.1	121.7	123.7	124.3	124.5	124.9	124.9	124.1	123.1	r121.9	121.8	121.5	121.4	120.9
powerdo Furniture and household durablesdo	70.2 109.9	66.7 113.1	64.4 114.3	65.6 114.5	68.1 115.0	68.9 115.3	69.9 115.7	$74.2 \\ 116.2$	76.0 116.5	75.8 117.0	75.5 117.5	72.0 117.9	73.9 118.0	73.7 118.0	73.0 118.0	$74.1 \\ 118.2$
Hides, skins, and leather productsdo Lumber and wood productsdo	120.4	131.4	130.4	130.1	131.2	133.2	136.8	136.1	134.8	135.2	136.9	137.2 *129.0	137.9 128.7	138.4 130.7	138.2 129.8	139.7 128.3
Machinery and equipmentdo	112.8 110.4	118.9 113.2	118.8 114.5	119.0 114.8	120.1 115.6	122.0 116.0	123.2 116.3	125.2 116.5	126.5 116.9	127.4 117.3	128.9 117.8	r118.0	118.1	118.3	118.6	118.9
Metals and metal productsdo Nonmetallic mineral productsdo	107.1 110.0	118.7 111.2	122.8 111.5	124.0 111.7	125.3 111.8	125.1 111.8	125.6 112.0	125.6 112.6	125.2 112.7	124.0 112.8	123.0 112.8	'123.0 '112.8	123.5 112.9	123.8 112.9	122.9 113.1	121.6 113.1
Pulp, paper, and allied productsdo Rubber and plastics productsdo	121.8 103.0	130.4	133.1	133.5	135.1	136.3	136.9	137.4	137.8	137.9	138.0 112.8	7138.4 7112.6	138.5 112.4	139.1 112.4	139.2 112.5	139.3 112.5
Textile products and apparel do	105.1	109.3 109.2	111.2 110.2	111.3 110.5	111.9 111.0	112.2 111.3	112.7 111.2	113.0 111.6	113.0 111.8	112.8 112.2	112.6	r112.9	113.0	113.2	113.5	113.6
Transportation equip. #do Motor vehicles and equip do	112.5 111.7	114.3 113.1	116.3 116.1	116.3 116.0	116.8 116.2	117.1 116.5	116.8 115.5	116.4 114.8	117.2 115.6	$\frac{117.6}{115.9}$	116.9 114.5	′117.1 ′114.5	116.6 113.7	119.9 119.4	119.9 118.6	$119.8 \\ 118.4$
Seasonally Adjusted ‡	[[İ		į		Ì					1			
Finished goods, percent change from previous month			3	.4	1.1	.9	.4	.4	.9	.1	5	4	r.8	.4	1	
By stage of processing: Crude materials for further proc-			"		***	["		••					.0			
essing			. 94.8	97.8	101.8	101.5	103.7	104.5	104.9	103.2	103.4	r101.4	102.3	102.3	102.7	104.5
Intermediate materials, supplies, and componentsdo			109.0	109.5	110.8	111.3	111.9	112.5	112.7	112.4	112.2	7111.8	112.3	112.3	112.2	112.1
Finished goods #			109.5 107.8	109.9 108.2	111.1 109.5	$112.1 \\ 110.6$	$112.6 \\ 111.2$	$113.1 \\ 112.0$	114.1 113.1	$\frac{114.2}{112.9}$	113.6 112.2	7113.2 111.5	114.1 112.5	114.6 113.2	114.5 113.0	115.3 113.9
Foods			115.1 104.1	115.2 104.7	116.7 106.0	117.8 107.1	118.8 107.5	118.1 109.0	119.1 110.1	118.4 110.2	118.3 109.2	7118.6 7108.1	118.0 109.7	119.6 110.0	120.5 109.3	$121.1 \\ 110.3$
Durabledo			115.0 98.3	115.4 98.9	116.3 100.4	116.9 101.6	117.0 102.2	116.3 104.4	117.2 105.7	117.7 105.6	117.3 104.4	7117.7 7102.7	119.1 104.4	118.7 105.0	118.5 104.0	119.1 105.2
Nondurabledo Capital equipmentdo			115.8	116.2	116.9	117.4	117.5	117.4	118.2	118.8	118.8	r119.2	120.2	119.8	120.2	120.5
PURCHASING POWER OF THE DOLLAR						}					}					
As measured by: Producer prices1982=\$1.00	.949	.926	.911	.909	.900	.895	.892	.885	.876	.875	.876	r.882	.881	.871	.871	.867
Consumer prices	.880	.846		.909 .830	.900 .826	.823	.892 .818	.812	.808	.875	.804	.803	.881	.796	.871	.793
See footnotes at end of tables.											l		·			

January 1990			SURV	VEY ()F CU	KKEN	T. RO	SINES	SS						_	S-7
Unless otherwise stated in footnotes below, data through 1986 and	Ann	ıual	198	38						19	39					
methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
DOSINESS DIATISTICS, 1900	L				L											
			COl	NSTRU	CTION	AND R	EAL E	STATE								
CONSTRUCTION PUT IN PLACE @)		- 1								
New construction (unadjusted), totalmil. \$	397,720	409,662	36,087	32,469	28,166	26,926	30,141	32,210	35,894	37,578	r37,948	⁷ 400,091	739,050	r38,584	36.732	ļ
Private, total #do	320,106	328,739	29,122	26,476	23,018	22,090	25,037	26,288	28,467	29,683	r29,947	731,291	30,084	730,398	28,943	
Residential	194,656 139,915	198,101 138,947	17,674 12,450	14,994 10,554	13,183 9,831	12,496 9,217	14,417 10,544	15,791 11,161	17,103 11,799	18,092 12,442	r18,680 12,931	'18,953 13,015	r18,122 r12,604	717,966 712,373	17,067	
Nonresidential buildings, except farm and	100,010	100,041	12,400	10,554	3,001	3,211	10,044	11,101	11,100	12,442	12,301	10,010	12,004	12,010	12,001	
public utilities, total # mil. \$ Industrialdo	91,994 13,707	97,102 14,930	8,395 1,367	8,291 1,345	7,481 1,177	7,207 1,098	7,953 1,214	7,657 1,232	8,252 1,331	8,419 1,393	8,198 1,344	9,166 1,547	8,949 1,615	79,155 71,677		
Commercialdo	55,445	58,103	4,949	4,878	4,372	4,219	4,706	4,462	4,832	4,894	4,790	5,309	5,117	5,240		
Public utilities: Telecommunications *do	9,194	8,867	829	810	540	556	642	682	786	766	699	⁷ 791	7726	800		
Public, total #do	77,614	80,924	6,965	5,993	5,148	4,836	5,104	5,922	7,427	7,895	⁷ 8,000	8,800	r8,966	r8,186	7,789	
Buildings (excl. military) #do	25,158	27,455	2,304	2,187	2,032	2,088	2,100	2,361	2,497	2,597	2,766	72,919	⁷ 2,844	r2,753		
Housing and redevelopmentdododo	1,519 1,457	1,499 1,413	148 115	130 103	122 59	136 94	122 126	135 106	177 121	175 128	7164 105	7170 122	7145 7166	$^{166}_{7121}$	160 127	
Military facilitiesdo	4,324	3,579	285	325	287	286	312	171	323	360	^r 266	r315	r410	⁷ 279	332	
Highways and streetsdo	25,340	28,523	2,476	1,785	1,350	1,048	1,233	1,757	2,540	2,939	2,898	3,407	3,266	r3,004	2,555	
New construction (seasonally adjusted at annual rates), totalbil. \$			415.4	425.0	423.0	416.6	416.8	411.9	416.5	412.5	r410.3	⁷ 416.3	⁷ 416.2	*415.6	421.7	
Private, total #dodo			332.8	336.3	337.7	333,2	338.1	332.5	330.6	329.0	⁷ 328.8	r331.9	r329.6	r330.2		
Residential			202.0 141.9	202.5 143.3	202.9 145.6	200.5 145.3	$202.1 \\ 143.2$	200.7 141.8	197.0 138.2	194.2 136.5	$^{r}195.2$ 136.6	7194.4 135.8	7192.8 134.0	^r 193.2 ^r 134.0	194.4	
Nonresidential buildings, except farm and	1		1				1	1	i		ì	1	1			
public utilities, total #bil. \$ Industrialdo			96.1 15.4	98.3 15.0	100.5 15.9	98.6 15.1	101.8 15.7	96.0 16.2	97.5 15.9	98.7 16.3	797.6 16.4	7101.7 717.5	7101.1 717.9	7101.4 717.8	18.1	
Commercialdo Public utilities;			56.7	58.7	59.4	58.7	60.7	55.6	56.8	57.4	756.6	57.7	'57.1	758.2	56.7	***************************************
Telecommunications *do			9.2	9.8	8.2	8.0	7.8	8.8	8.9	8.6	8.5	⁷ 8.3	r8.4	8.6		
Public, total #do			82.6	88.8	85.3	83.4	78.7	79.4	85.9	83.5	⁷ 81.5	r84.4	786.6	785.4		•••••
Buildings (excl. military) # do Housing and redevelopment do			28.0 1.8	$\frac{28.5}{1.6}$	27.8 1.5	29.9 1.6	27.8 1.5	29.2 1.6	29.9 2.1	29.5 2.1	30.1 2.0	r30.6 r2.0	⁷ 30.9 ⁷ 1.7	r31.6 2.0		
Industrialdo			1.4	1.2	.7	1.1	1.5	1.3	1.4	1.5	1.3	1.5	2.0	1.5	1.5	
Military facilitiesdo Highways and streetsdo			3.4 29.0	$\frac{3.9}{33.7}$	3.4 30.8	3.4 27.9	$\frac{3.7}{26.1}$	$\frac{2.1}{27.8}$	$3.9 \\ 27.4$	$\frac{4.3}{27.3}$	r3.2 26.1	r3.8 r27.4	74.9 727.6	3.3 ⁷ 26.4	4.0 29.3	
CONSTRUCTION CONTRACTS					[į		į			
Construction contracts (F.W. Dodge			}			ì		ì		Ì)		Ì		
Division, McGraw-Hill): Valuation, totalmil. \$	258,570	260,730	19,762	⁷ 19,198	15,776	15,086	21,080	21,725	23,796	24,650	22,330	24,128	23,371	22,669	19,137	16,629
Index (mo. data seas. adj.) ††1982=100	165	¹ 166	163	⁷ 178	r172	r160	158	7175	165	166	7168	7168	7181	r173	r158	160
Public ownershipmil. \$ Private ownershipdo	66,448 192,123	67,847 192,883	74,780 714,982	74,777 714,421	3,723 12,053	3,998 11,089	6,011 15,068	6,042 15,684	6,754 17,042	6,859 17,792	6,111 16,219	6,381 17,747	6,725 16,647	6,278 $16,391$	5,373 13,764	$\frac{4,586}{12,043}$
By type of building: Nonresidentialdo	91,361	90,609	77,326	76,726	6,081	5,183	6,600	6,510	7,959	8,496	7,976	8,626	8.786	8,533	6,778	6,167
Residentialdo	121,234	122,000	79,541	79,007	7,515	7,137	10,118	10,999	11,389	11,568	10,318	11,554	10,159	10.517	8,950	7,262
Non-building constructiondo New construction planning	45,975	48,121	2,895	73,465	2,181	2,766	4,361	4,216	4,448	4,586	4,036	3,949	4,426	3,619	3,409	3,200
(Engineering News-Record) §do	267,823	283,448	25,114	20,652	23,659	22,688	25,083	23,972	20,155	24,319	21,210	25,170	21,042	25,564	23,182	
HOUSING STARTS AND PERMITS		1						- 1					1			
New housing units started: Unadjusted:		j			İ		1					ļ	i	ļ		
Total (private and public)thous Privately owneddo	1,622.7 1,620.5	(³) 1,488.1	113.2 113.0	94.2	100.1	85.8	117.8	129.4	131.7	143,2	134.7	122.4	109.3	r130.1	r96.9	72.9
One-family structuresdo	1,146.4	1,081.3	81.2	65.7	69.9	59.3	83.5	100.4	101.4	100.3	98.0	91.7	82.4	791.2	771.9	52.0
Seasonally adjusted at annual rates: Total privately owneddo			1.567	1,577	1,678	1,465	1,409	1,343	1,308	1,406	1,420	1,329	1,264	71,423	⁷ 1,342	1,235
One-family structuresdo			1,138	1,141	1,199	1,029	981	1,029	977	972	1,026	7990	971	71,023	r1,003	904
New private housing units authorized by building permits (17,000 permit-issuing places):												J	-	-		
Monthly data are seas. adj. at annual rates:	1 525	1,456	1,508	1,518	1,486	1,403	1,230	1,334	1,347	1,308	1,281	1,328	1,319	1,356	r1,342	1,337
One-family structuresdo	1,024	994	1,027	1,058	1,052	989	870	954	905	874	906	927	946	961	7979	944
Manufacturers' shipments of mobile homes: Unadjustedthous	232.8	218.3	17.6	14.2	15.3	14.6	18.2	17.1	19.1	18.9	14.4	19.4	16.5	17.7	15.1	
Seasonally adjusted at annual	202.0	210.0				ŀ		- 1		į					ļ	
ratesdo			227	225	232	212	207	198	205	202	178	194	185	191	191	
CONSTRUCTION COST INDEXES Dept. of Commerce composite ‡1982=100	114.4	116.2	116.9	117.1	118.6	119.8	120.4	110.7	119.5	119.5	r119.5	⁷ 120.4	^r 120.4	^r 120.6	120.9	
Boeckh indexes:	114.4	110.2	110.9	111.11	110.0	119.6	120.4	119.7	119.5	119.5	119.5	120.4	120.4	120.0	120.5	
Average, 20 cities: Apartments, hotels, office		Į				- (ļ			-	-	-		
buildings	117.3	120.2	121.5		123.9		124.0		124.2		124.8		125.5		125.5	
Commercial and factory buildingsdo Residencesdo	115.1 119.7	118.3 122.3	119.6 123.7		121.1 125.6		121.5 126.3		123.5 126.7		124.0 127.4		125.1 128.7		125.2 128.8	
Engineering News-Record:	975 0	904.0	907.0	907.0	907 7	9000	907 0	907 7	900 0	900 5	900.4	200.6	9040	802.4	395.8	2396.6
Building	375.6 409.8	384.6 420.7	387.2 425.2	387.3 425.2	387.7 425.8	386.8 425.2	387.3 425.2	387.7 425.5	388.0 425.7	388.7 427.6	389.4 428.0	390.6 428.8	394.9 432.5	395.4 432.5	433.4	² 435.6
Federal Highway Adm.—Highway construction: Composite (avg. for year or qtr.)1977 = 100	172.0	184.7		104 1	.		192.0	-		1767		-	183.9	ĺ		
	1,2.0	104.	******************	184.1			104.0			176.7			100.3	······		
See footnotes at end of tables.																

D-0			SUR	VEIC	of CO	RREIN	II DU	DIME	00 00						Januar	ry 1990
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in	Ann 1987	ual 1988	Nov.	B8 Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Business Statistics: 1986	1901									Julie	July	Aug.	Бері.	- Oet.	1101.	Dec.
		CC	NSTRU	JCTION	AND	REAL F	ESTATE	E—Con	tinued							
REAL ESTATE ♦												,	. 1		.	
Mortgage applications for new home construction: FHA applicationsthous. units Seasonally adjusted annual ratesdo	165.3	104.9	7.3 104	7.2 104	6.4 86	7.3 91	9.9 92	8.3 92	12.4 132	12.2 138	9.9 128	12.5 142	10.4 132	10.9 151	9.5 141	7.6 115
Requests for VA appraisalsdo Seasonally adjusted annual ratesdo	193.4	149.8	9.1 201	7.7 190	8.0 120	9.6 116	13.7 135	9.1 102	9.5 103	10.4 110	$\frac{9.2}{113}$	10.2 108	9.0 111	10.4 145	9.5 132	
Home mortgages insured or guaranteed by: Fed. Hous. Adm.: Face amount mil. \$. Vet. Adm.: Face amount §do	81,880.51 33,322.54	42,577.16 15,773.84	2,535.11 1,334.34	3,501.38 1,368.01	4,629.29 1,239.99	3,508.80 1,222.92	3,189.10 1,363.51	3,064.37 1,127.15	3,166.56 1,164.14	3,773.70 1,071.66	3,059.58 984.90	3,511.30 1,102.03	4,325.96 1,032.98	4,790.37 1,217.43	5,240.48 1,326.48	1,192.67
Federal Home Loan Banks, outstanding advances to member institutions, end of periodmil. \$.	133,054	152,777	145,771	152,777	154,014	158,267	163,779	165,630	164,268	161,870	159,648	156,293	151,101	148,745	145,337	141,794
New mortgage loans of SAIF-insured institutions, estimated total @mil. \$.	253,407	240,297	18,319	21,677	15,522	²13,778	18,541	⁷ 16,112	16,124	r15,772	13,218	'	r15,697	15,681		
By purpose of loan: Home constructiondo Home purchasedo	28,413 190,750	29,555 176,403	2,256 13,634	2,705 15,273	1,971 11,458	² 1,796 ² 10,343	2,503 13,768	72,267 712,125	2,397 11,822	2,426 711,404	2,039 9,837	⁷ 2,335 ⁷ 12,776	⁷ 1,957 ⁷ 12,384	1,804 12,701		·
All other purposesdo	34,245	34,333	2,429	3,700	2,093	² 1,640 TIC TR		1,719	1,904	71,943	1,342	⁷ 1,421	71,355	1,175		
	Γ				OMES	IIC IK	ADE									
ADVERTISING Magazine advertising (Leading National										, ,		j				
Advertisers): Cost, totalmil. \$.				İ					,,,,,	l		ļ	ļ			
Apparel and accessoriesdo Automotive, incl. accessoriesdo																
Building materialsdo Drugs and toiletriesdo									·····		·····					
Foods, soft drinks, confection- erydo															<u> </u>	
Beer, wine, liquorsdo) 1												·		
Houshold equip., supplies, fur- nishingsdo	ļ						ļ			,				ļl	}	
Industrial materialsdo Soaps, cleansers, etcdo					•••••				•••••							
Smoking materialsdododododododododododododo					••••••									[
Newspaper advertising expenditures (Newspaper Advertising Bureau, Inc.): ††												[1		1
Total mil. \$. Classified do do	29,412 10,691	31,197 11,771	8,520 2,844			7,317			8,320 3,072			7,829 3,104				
National do Retail do	3,494 15,227	3,586 15,840	920 4,756		••••••	895 3,612						753 3,972			ļ	
WHOLESALE TRADE †	15,221	15,040	4,150		.,,	3,012	[4,002			0,512	*************	[***************************************
Merchant wholesalers sales (unadj.),	1						'							i '	'	
total	1,482,975 725,683 757,292	782,744	138,289 68,957 69,332	136,599 67,261 69,338	131,786 63,265 68,521	127,414 62,003 65,411			148,832 73,231 75,601	146,662 72,803 73,859	134,412 66,904 67,508	74,373	71,887	7152,192 777,042 775,150	74,284	
Merchant wholesalers inventories, book value (non-LIFO basis),			ĺ					,						'	'	
end of period (unadj.), totalmil. \$. Durable goods establishmentsdo	162,964 105,145	178,884	178,197	178,884	181,054	181,481	181,246	182,305	181,114 121,145	182,346 121,043	182,771 123,080	180,360 121,019			187,993 122,609	
Nondurable goods establishments	57,819		114,648 63,549	114,176 64,708	115,885 65,169	117,512 63,969			59,969	61,303			60,974	65,046	65,384	
RETAIL TRADE ‡	l					ļ	Į									
All retail stores: Estimated sales (unadj.), total	. 1,521,417	1,629,150	140,249	 170,811	122,467	118,891	139,759	137,924	148,165	147,055	142,630	150,861	142,110	r140,220	r146,270	¹ 174,81
Durable goods stores #do Building materials, hardware, garden	572,489	628,543	51,683	59,847	46,036		53,784	53,754	58,971	58,702	55,307	59,946	55,181	r51,934	r52,191	158,45
supply, and mobile home dealersmil. \$. Automotive dealersdo	81,549 334,429	88,894 369,028	7,318 28,766	7,255 28,613	5,880 27,233	5,491 27,201	6,774 33,262	7,865 32,491	9,069 35,242	8,737 35,016	8,187 32,874	8,564 36,042	7,813 32,859			16,85 127,05
Furniture, home furnishings, and equipmentdodo	84,562		8,643	11,130	7,505	7,054	7,840	7,596	8,089	8,308	7,962	1			79,025	1
Nondurable goods storesdo	948,928	1,000,607	88,566	110,964	76,431	73,745	85,975	84,170	89,194	88,353	87,323	90,915	86,929	788,286	r94,079	1116,35
General merch. group storesdo Food storesdo	. 176,023 . 314,605	331,892	18,800 27,764	29,944 30,888	10,954 27,204	11,025 26,125	29,459	14,657 28,373	15,489 30,281	15,219 30,388	14,166 30,794	30,651	29,881	r15,832 r29,191	r29,622	132,85
Gasoline service stationsdo Apparel and accessory storesdo	98,680 77,998		8,365 7,780	8,499 12,026	7,985 5,480	7,649 5,103		9,113 6,774	9,859 7,056	9,819 6,834	28,952 9,887	9,707 7,786	9,072 7,247	r9,329 r7,248	r9,036 r8,313	
Eating and drinking placesdo Drug and proprietary storesdo	147,717 54,958	157,504	12,955 4,884	13,792 6,498	12,497 4,898	11,885 4,778	13,567	13,648 4,814	14,153 5,178	14,456 5,054	14,627 4,956	14,850		13,961	r13,347	113,94 16,96
Liquor storesdo	. 19,458	19,143	1,574	2,303	1,425	1,335	1,499	1,509	1,645	1,675	1,725	1,674	1,610	1,552	1,639	
Estimated sales (seas. adj.), totaldo Durable goods stores #dodo			7139,561 753,992	7139,145 754,125	140,040 53,815		1 .	141,413 53,901	142,543 54,139	142,500 54,016	143,555 54,653	1	145,293 55,861	r143,426 r53,980	r144,184 r54,026	
Bldg. materials, hardware, garden sup- ply, and mobile home dealers#mil. \$.	1	ļ	77,602	77,760	7,742	}		7,481	7,611	7,593	7,605		7,583		77,535	
Building materials and supply storesdo			75,468]	5.678		1	5,351	5,402	5,384	5,325		5,291	75,306	5,266	
Hardware storesdo	. 		71,194	71,177	1,175	1,149	1,117	1,139	1,204	1,193	1,208	1,215	1,221	r1,210	1,217	
Automotive dealersdo Motor vehicle and miscellaneous		·	31,871	r31,836	31,194			31,407	31,172		31,851		1	r31,173	r31,059	}
auto dealersdo Auto and home supply	1	·	29,430	729,383	28,725			28,868	28,573	28,599	29,268			1		
storesdo Furniture, home furnishings,		·	2,441	2,453	2,469	2,469	2,514	2,539	2,599	2,566	2,583	2,608	2,692	r2,653	2,708	
and equipment #do			r8,024	77,943	8,264	8,287	8,195	8,329	8,366	8,412	8,238	8,365	8,319	r8,380	r8,440	18,35
Kurniture home furnish				1	1 .	l .	1	l			9 004	3,967	3,883	1 79 014	4,071	
Furniture, home furnish- ings storesdo Household appliance, radio, and	ļ	ļ	3,940	r3,962	4,123	4,031	3,929	3,994	3,948	3,910	3,894	3,301	3,000	r3,914	4,011	1

Unless otherwise stated in footnotes	Anr	nual	198	38						198	39					
below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
]	DOMES	STIC TI	RADE—	-Contin	ued								
RETAIL TRADE ‡—Continued]															
All retail stores—Continued Estimated sales (seas. adj.)—Continued														١		
Nondurable goods storesmil. \$			785,569	785,020	86,225	86,357	86,630	87,512	88,404	88,484	88,902	88,984	89,432	789,446	790,158 716,436	190,720 116,374
General merch. group storesdo Department stores excluding leased departmentsdo			715,681 713,160	715,686 713,182	15,985 13,353	15,755 13,238	15,746 13,246	15,878 13,400	15,743 13,208	16,025 13,471	16,090 13,497	16,012 13,444	16,320 13,674	r16,308	r13,784	113,726
Variety storesdo			⁷ 692	⁷ 688	683	654	643	623	640	660	672	672	683	⁷ 718	742	
Food storesdododo			728,490 726,701	728,014 726,239	28,730 26,928	29,016 27,193	29,046 27,156	29,243 27,445	29,606 27,768	29,592 27,770	29,775 27,946	29,895 28,060	29,949 28,137	r30,023 r28,172	r30,106 r28,236 r9,268	130,297 128,429 19,386
Apparel and accessory stores #do			r8,544 r7,022	r8,568 r7,065	8,477 7,189	8,633 6,978	8,847 6,977	9,186 7,248	9,453 7,287	9,369 7,337	9,327 7,385	9,072 7,444	9,054 7,377	79,146 77,388	77,483	17,493
Men's and boys' clothing and furnishings storesdo			761	^r 766	808	776	772	781	774	775	766	768	779	7772	781	
Women's clothing, specialty stores, and furriersdodo			r2,747 r1,227	72,739 71,271	2,812 1,280	2,707 1,209	2,723 1,216	2,799 1,314	2,815 1,329	2,792 1,345	2,785 1,351	2,801 1,340	2,772 1,328	r2,788 r1,309	2,834 1,336	
			13,565	13,642	13,778	13,677	13,581	13,567	13,648	13,676	13,734	13,750	13,858	r13.836	13.918	113,796
Drug and proprietary storesdo Liquor storesdo			r5,009 r1,572	74,904 71,592	5,129 1,623	5,199 1,614	5,151 1,619	5,057 1,633	5,132 1,648	5,095 1,641	5,179 1,655	5,250 1,649	5,344 1,656	75,360 71,620	75,438 1,636	15,384
Estimated inventories, end of period: Book value (non-LIFO basis),																
(unadjusted), totalmil. \$ Durable goods stores #do	201,799 105,716		230,599 115,396	215,842 114,461	215,551 114,898	221,571 $117,591$	226,793 119,414	229,201 120,293	230,642 121,298	230,716 121,487	229,497 118,461	229,461 115,480	r234,186 r116,007	246,722 121,406		
Bidg. materials, hardware, garden sup- ply, and mobile home dealersdo	14,126 56,596	14,861 60,719	14,728 57,727	14,861 60,719	14,971 61,450	15,647	16,187 64,733	16,083 65,609	16,262 66,116	16,050 66,260	15,585 63,157	15,385 59,130	715,265 758,508	15,496		
Automotive dealersdo Furniture, home furnishings, and equipmentdo	16,231	18,030	19,337	18,030	17,679	63,816 17,527	17,799	17,624	17,655	17,752	17,699	18,015	r18,459	19,601	1	
Nondurable goods stores # do	96,083	101,381	115.203	101,381	100,653	103,980	107,379	108,908	109,344	109,229	111,036	113,981	118,179	125,316		
General merch. group storesdo Department stores excluding leased departmentsdo	33,478 26,510	35,222 28,293	44,025 35,361	35,222 28,293	34,682 27,726	36,823 29,492	38,828 31,170	39,711 32,030	39,505 31,913	39,204 31,628	40,230 32,257	41,658 33,313	r44,204 r35,409	38.754		
Food storesdo Apparel and accessory	20,521	21,852	22,157	21,852	27,726 21,715	21,658	21,915	22,032	22,338	22,464	22,404	22,255	22,552			······
storesdo Book value (non-LIFO basis),	15,728	16,173	19,651	16,173	15,965	17,323	17,922	18,034	18,003	17,769	18,578	19,344	19,833	20,603		i
(seas. adj.), totaldo Durable goods stores #do	206,981 106,271	221,242 114,994	218,093 112,904	221,242 114,994	222,584 115,704	224,185 116,169	224,693 115,993	226,656 117,093	230,423 118,835	231,762 119,542	232,831 119,864	235,350 121,782	⁷ 236,791 ⁷ 123,030	236,047 121 274		
Bldg. materials, hardware, garden sup- ply, and mobile home dealersdo	14,823	15,610	15,137	15,610	15.514	15,694	15,685	15,479	15,667	15,613	15,446	15,385	15,529	15,732		
Automotive dealersdo Furniture, home furn.,	55,500	59,421	58,183	59,421	60,123	60,631	60,656	62,440	63,739	64,054	64,082	65,450	⁷ 66,318			
and equipdo Nondurable goods stores #do	16,280 100,710	18,084 106,248	18,106 105,189	18,084 106,248	18,151 106,880	18,182 108,016	18,162 108,700	17,856 109,563	17,906 111,588	17,968 112,220	18,116 112,967	18,179 113,568	r18,168 r113,761			
General merch. group storesdo Department stores excluding	36,856	38,766	38,405	38,766	38,578	39,049	39,459	39,496	40,439	40,866	41,345	41,458	741,819	42,199		
Food storesdodo	29,036 20,362	30,989 21,706	30,669 21,228	30,989 21,706	30,875 21,845	$31,275 \ 21,910$	31,645 21,949	31,682 22,221	32,531 22,540	33,015 22,508	33,427 22,586	33,380 22,668	733,691 722,648	33,906 22,944		
Apparel and accessory storesdo	17,022	17,522	17,656	17,522	17,759	18,177	18,067	18,179	18,427	18,548	18,709	18,690	⁷ 18,588	18,545		
Firms with 11 or more stores: Estimated sales (unadj.), totalmil. \$	567,503	598,623	54,671	74,881	43,742	42,223	50,597	49,761	52,791	52,244	50,966	53,899	51,474	52,297		
Durable goods storesdo Auto and home supply storesdo	67,830 7,274	74,492 7,624	6,743 652	10,383 634	5,206 538	4,854 503	5,790 641	6,020 658	6,663 738	6,576 758	6,393 749	6,643 772	r6,331 r727	6,366 760		
Nondurable goods stores #dodo	499,673		47,928	64,498	38,536	37,369	44,807	43,741	46,128	45,668	44,573	47,256	r45,143			
storesdodododo	162,306 179,202	170,529 187,687	17,565 15,595	27,994 17,627	10,123 15,636	10,218 14,813	13,487 16,649	13,572 15,850	14,331 16,791	14,124 16,695	13,066 16,941	14,760 16,754	r13,785 r16,504	14,566 16,223		
Grocery storesdo Apparel and accessory storesdo	176,420 41,866	184,820 43,888	15,363 4,263	17,233 6,678	15,423 2,734	14,587 2,625	16,384 3,785	15,632 3,644	16,556 3,812	16,462 3,708	16,712 3,496	16,521 4,369	716,284	15,991		
Eating placesdo Drug stores and proprietary	37,793	39,302	3,224	3,386	3,147	2,986	3,502	3,511	3,552	3,607	3,712	3,776	3,512	3,571		,
storesdo Estimated sales(sea. adj.), total#do	32,255	34,515	2,860 50,997	4,146 50,802	2,924 52,494	2,846 51,858	3,110 51,584	2,830 52,305	3,081 52,764	3,029 53,073	2,955 53,286	3,089 53,308	r2,989 r53,768	3,017 53,582		••••
Auto and home supply storesdo Department stores excluding			618	622	645	647	650	649	685	708	715	704	7716	718		
leased departmentsdo Variety storesdo			12,793 557	12,834 547	12,952 548	12,791 514	12,790 513	12,899 494	12,726 503	13,032 525	13,030 535	12,999 529	⁷ 13,223	547		
Apparel and accessory storesdo			15,645 3,778	15,400 3,716	16,099 3,884	16,083 3,779	15,953 3,721	16,132 3,952	16,263 3,988	16,219 3,996	16,852 4,017	16,293 4,076	716,432 74,058		 	
Women's clothing, specialty stores, and furriersdo			1,483	1,480	1,545	1,472	1,474	1,555	1,596	1,554	1,552	1,553	71,531	1,543		
Shoe storesdo Drug stores and proprietary storesdo			761 2,948	760 2,846	782 3,071	751 3,159	744 3,049	844 3,033	828 3,081	842 3,078	852 3,127	849 3,175	r847 r3,214			*******************
	·······		BOR F					· · · · · · ·		0,010	0,121	0,110	0,211	0,000		
LABOR FORCE AND POPULATION		112	2016 1	J. 1014,	-1/8.E A.V	~ # 14##AY	· i, Aivi	- num	1441015							
Not Seasonally Adjusted									.							
Noninstitutional population, persons 16 years of age and overthous	184,490	186,322	186,949	187,098	187,340	187,461	187,581	187,708	187,854	187,995	188,149	188,286	188,428	188,580	188,721	188,865
Labor force @	121,602 1,737	123,378	124,344	123,816 1,696	123,791 1,696	123,590 1,684	123,907 1,684	124,260 1,684	124,869 1,673	127,235 1,666	127,904	127,132	125,530 1,702	126,125 1,709	126,368 1,704	125,698 1,700
Civilian noninstitutional populationdodo	182,758 119,865	184,613	185,244 122,639	185,402 122,120	185,644	185,777	185,897 122,223	186,024 122,576	186,181 123,196	186,329 125,569	186,483 126,238	186,598 125,444	186,726 123,828	186,871 124,416	187,017 124,664	187,165 123,998
Employeddododododo	112,440 7,425	114,968	116,314 6,325	115,978 6,142	122,095 114,786 7,809	115,023 6,883	115,844 6,378	116,347 6,229	117,089 6,156	118,719 6,850	119,502 6,786	119,092 6,352	117,498	118,194 6,222	118,168 6,495	117,698 6,300
Seasonally Adjusted \Diamond	.,	3,,,,,	5,520	V,140	.,500	0,000	5,510	0,220	5,250	2,300	5,700	2,202	5,500	~, == 2	-,200	Ÿ
Civilian labor force, totaldo Participation rate †percent.	65.6	65.9	122,510 66.1	7122,650 766.2	⁷ 123,265 ⁷ 66.4	7123,117 66.3	^r 123,245 66.3	⁷ 123,615 66.5	7123,551 66.4	7124,111 66.6	7124,013 66.5	r124,070 66.5	66.4	⁷ 124,148 66.4	⁷ 124,488 66.6	124,546 66.5
Employed, totalthous Employment-population ratio †percent	61.5		7116,012 62.6	7116,141 62.6	'116,640 '62.8	r62.8	7117,047 63.0	7117,084 762.9	7117,132 762.9	63.1	7117,436 63.0	7117,550 68.0	62.9	7117,585 62.9	63.0	117,888 63.0
Agriculturethous	3,208 109,232	3,169 111,800	r3,256 r112,756		73,268 7113,372	73,196 7113,561	73,185 7113,862	73,144 7113,940	r3,137 r113,995	r3,138 r114,404	73,217 7114,219	73,275 7114,275	114,200	73,197 7114,388		
Unemployed, totaldodo Long term, 15 weeks and			r6,498	r6,509	r6,625	r6,860	r6,198	76,581	r6,419	r6,569	r6,577	r6,520	r6,604	r6,563	r6,652	6,658
overdo	1,983	1,610	r1,467	⁷ 1,476	⁷ 1,499	⁷ 1,300	⁷ 1,335	r1,891	⁷ 1,331	71,295	71,461	^r 1,338	r1,859	r1,378	r1,422	1,362
See footnotes at end of tables.																

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1996 LABOR FORCE—Continued Seasonally Adjusted ♦ Civilian labor force—Continued Unemployed—Continued Unemployed—Continued Rates(unemployed in each group as percent of civilian labor force in the group): All civilian workers Men, 20 years and over Women, 20 years and over Both sexes, 16-19 years	6.2 5.4 5.4 16.9 8.8 3.9 4.3 9.2	1988	75.3 74.7 74.8	Dec.	Jan.	Feb.	Mar. D EAR!	Apr.	May —Conti	June Inued	July	Aug.	Sept.	Oct.	Nov.	Dec.
LABOR FORCE—Continued Seasonally Adjusted ♦ Civilian labor force—Continued Unemployed—Continued Rates(unemployed in each group as percent of civilian labor force in the group): All civilian workers Men, 20 years and over Women, 20 years and over Both sexes, 16-19 years	6.2 5.4 5.4 16.9 5.3 13.0 8.8 3.9 4.3	5.5 4.8 4.9 15.3	75.3 74.7 74.8	5.3		NT, AN	D EAR	NINGS-	–Conti	nued						
Seasonally Adjusted \(\rightarrow \) Civilian labor force—Continued Unemployed—Continued Rates(unemployed in each group as percent of civilian labor force in the group): All civilian workers Men, 20 years and over Women, 20 years and over Both sexes, 16-19 years	6.2 5.4 5.4 16.9 5.3 13.0 8.8 3.9 4.3	5.5 4.8 4.9 15.3	75.3 74.7 74.8	5.3												
Seasonally Adjusted \(\rightarrow \) Civilian labor force—Continued Unemployed—Continued Rates(unemployed in each group as percent of civilian labor force in the group): All civilian workers Men, 20 years and over Women, 20 years and over Both sexes, 16-19 years	5.4 5.4 16.9 5.3 13.0 8.8 3.9 4.3	4.8 4.9 15.3 4.7	′4.7 ′4.8	5.3 74.6	E 4					}	1		}			
All civilian workers Men, 20 years and over Women, 20 years and over Both sexes, 16-19 years	5.4 5.4 16.9 5.3 13.0 8.8 3.9 4.3	4.8 4.9 15.3 4.7	′4.7 ′4.8	5.3 74.6	E 4	I										
	13.0 8.8 3.9 4.3	11.7	r13.8	4.7 14.8 4.6	5.4 4.6 4.7 716.1	75.2 4.5 74.6 14.8 4.3	5.0 4.2 4.6 714.0 74.3	5.3 4.6 4.7 r14.6	5.2 4.3 74.7 715.0	5.3 *4.4 *4.8 *15.4 4.5	r5.8 r4.4 r4.9 r15.1 r4.5	75.3 74.5 4.7 714.8	5.3 4.8 4.5 *15.0	5.3 4.5 74.8 14.9	75.3 74.6 74.8 715.3	5.3 4.6 4.8 15.2
White Black Hispanic origin Married men, spouse present Married women, spouse present Women who maintain families Industry of last job:	9.4	8.2 3.3 3.9 8.1	4.6 11.2 8.0 73.2 3.8 77.6	711.4 7.6 3.1 73.6 8.2	4.6 711.7 78.2 3.1 73.7 77.9	711.6 77.0 73.0 3.4 8.0	711.0 76.7 2.9 3.5 7.9	711.0 78.2 3.2 4.0 77.8	4.4 *11.1 7.9 2.9 3.8 *8.2	711.8 78.0 72.9 3.8 7.9	711.0 78.8 73.0 3.8 78.5	4.5 711.2 78.8 3.1 3.9 8.0	4.5 r11.7 8.3 r3.3 3.8 r7.7	74.5 711.7 78.0 3.0 73.9 77.8	711.9 78.0 3.1 73.8 78.2	4.6 11.8 8.9 3.9 3.9 8.1
Private nonagricultural wage and salary workers Construction Manufacturing Durable goods Agricultural wage and salary workers	6.2 11.6 6.0 5.8 10.5	5.5 10.6 5.3 5.0 10.6	5.5 10.6 5.1 74.8 79.4	75.3 710.3 75.1 74.9 79.0	75.5 710.3 75.2 74.8 9.5	r5.2 10.0 4.9 r4.5 r9.1	75.1 79.6 4.8 74.6 8.9	75.3 79.8 75.0 4.7 79.8	5.2 r9.5 4.9 r4.6 r9.9	5.3 10.0 ^r 5.1 4.6 ^r 10.4	5.4 *10.3 *5.1 4.7 *8.9	5.4 *10.2 5.2 *4.9 *9.0	5.4 710.1 75.2 74.9 77.8	5.3 79.3 5.4 5.2 79.8	^r 5.4 9.8 ^r 5.4 ^r 5.4 12.1	5. 9.: 5.: 9.'
Not Seasonally Adjusted Occupation: Managerial and professional specialty Technical, sales, and administrative support	2.3	1.9 4.0	1.6 3.8	1.7 3.5 6.2	2.1 4.3	2.0	1.8	1.8	1.9	2.0 3.8 6.9	2.2 4.1	2.1 3.9	2.3 4.0	1.9 4.1	2.0 3.8	1.9 3.4
Service occupations	7.7 6.1 9.4 7.1	6.9 5.4 8.4 7.2	6.8 5.2 7.8 7.5	6.2 5.3 8.2 7.5	7.0 6.7 10.0 9.2	6.3 6.8 9.2 8.5	5.9 6.1 8.3 7.9	7.0 5.6 7.8 6.3	6.6 5.1 6.9 5.4	6.9 4.9 7.6 5.1	6.5 4.0 8.1 4.7	6.4 4.5 7.5 5.1	6.5 4.6 7.5 4.6	6.3 4.5 7.3 6.3	6.9 4.7 8.0 8.5	6.4 5.5 8.2 7.5
Employees on payrolls of nonagricultural estab.: Total, not adjusted for seas. variationthous Private sector (excl. government)do	102,200 85,190	105,584 88,212	107,736 89,827	107,917 90,098	105,915 88,380	106,342 88,463	107,017 89,052	107,944 89,975	108,745 90,715	109,534 91,742	108,540 91,733	108,666 91,973	*109,486 *91,916	r109,975 r91,904	⁷ 110,328 ⁷ 92,100	^p 110,379 ^p 92,206
Total employees, nonagricultural payrolls	102,200 85,190 66,166 24,708 717	105,584 88,212 68,809 25,249 721	106,824 89,299 69,742 25,460 712	107,097 89,574 69,985 25,513 711	107,442 89,897 70,249 25,626 711	107,711 90,124 70,476 25,629 711 5,270	107,888 90,291 70,611 25,646 714	108,101 90,475 70,803 25,671 720	108,310 90,623 70,956 25,672 722	108,607 90,884 71,234 25,648 715	108,767 91,016 71,367 25,669 706	108,887 91,083 71,439 25,694 729	r109,096 r91,230 r71,671 r25,614 730 r5,325	7109,171 791,328 771,791 725,603 7731	*109,393 *91,567 *72,057 *25,607 *737	^p 109,533 ^p 91,673 ^p 72,190 ^p 25,543 ^p 730
Construction	4,967 19,024 11,194 741 516	5,125 19,403 11,437 765 530	5,191 19,557 11,545 775 532	5,213 19,589 11,565 780 532	5,267 19,648 11,605 784 532 607	19,648 11,594 778 534	5,252 19,680 11,604 777 535	5,279 19,672 11,600 772 537	5,283 19,667 11,594 771 584 604	5,283 19,650 11,567 769 534	5,314 19,649 11,549 767 536	5,321 19,644 11,551 763 529	719,559 711,480 759 528	75,335 719,537 711,457 7764 525 7600	75,360 719,510 711,436 7766 524 601	*5,322 *19,485 *11,409 *764 *520 *599
Stone, clay and glass productsdo Primary metal industriesdo Pabricated metal productsdo Machinery, except electricaldo Electric and electronic equipdo Transportation equipmentdo	586 747 1,401 2,008 2,069 2,051	600 774 1,431 2,082 2,070 2,051	605 784 1,445 2,120 2,075 2,060	607 785 1,449 2,126 2,067 2,063	786 1,458 2,134 2,065 2,079	608 786 1,458 2,138 2,062 2,067	607 788 1,457 2,143 2,060 2,071	606 788 1,454 2,144 2,058 2,073	787 1,452 2,150 2,050 2,076	603 787 1,449 2,151 2,041 2,062	602 785 1,446 2,154 2,040 2,046	601 786 1,443 2,152 2,034 2,068	7597 7777 1,438 72,147 72,023 72,038	7776 71,434 72,139 72,018 72,031	7772 1,431 72,145 72,012 72,018	P1,420 P2,141 P1,990 P2,011
Instruments and related products	706 371 7,830 1,620 55	749 386 7,967 1,636 56	762 387 8,012 1,648 56	767 389 8,024 1,646 56	770 390 8,043 1,650 56 728	772 391 8,054 1,650 56 728	776 890 8,076 1,655 56 729	777 391 8,072 1,657 54	778 392 8,073 1,656 53 728	779 392 8,083 1,663 52 729	781 392 8,100 1,678 53	782 393 8,093 1,667 52	780 7393 8,079 71,674 51	*779 *391 *8,080 *1,676 51	778 7389 78,074 71,669 51	P77 P39 P8,07 P1,66
Textile mill products	726 1,099 680 1,506 1,026	729 1,092 693 1,561 1,065	725 1,088 695 1,581 1,075	724 1,090 696 1,588 1,079	1,092 696 1,595 1,084	1,096 696 1,595 1,085	1,101 697 1,600 1,088	728 1,098 696 1,601 1,090	1,095 697 1,603 1,094	1,093 697 1,607 1,096	730 1,094 701 1,609 1,091	727 1,095 700 1,611 1,097	1,095	1,096	71,098	P1,61
Petroleum and coal productsdo Rubber and plastics productsdo Leather and leather productsdo Service-producingdo Transportation and public utilitiesdo	311 143 77,492 5,372	829 144 80,335 5,548	162 839 143 81,364 5,616	840 143 81,584 5,634	160 839 143 81,816 5,654	843 144 82,082 5,667	845 144 82,242 5,666	843 143 82,430 5,682	843 142 82,638 5,700	163 841 142 82,959 5,716	163 841 140 83,098 5,736	841 140 83,193 5,618	163 837 139 783,482 75,709	*164 *837 *139 *83,568 *5,729	7835 7138 783,786	P13
Wholesale trade	5,844 18,483 6,547 24,236 17,010	6,029 19,110 6,676 25,600	6,104 19,282 6,726 26,111	6,125 19,328 6,744 26,230	6,146 19,407 6,746 26,318	6,171 19,460 6,763 26,434	6,197 19,488 6,774 26,520	6,206 19,489 6,776 26,651	6,222 19,528 6,790 26,711	6,230 19,551 6,808 26,931 17,723	6,237 19,586 6,815 26,973 17,751	6,256 19,621 6,836 27,058 17,804	6,264 719,632 76,852 727,159 717,866	76,278 719,679 76,851 727,188	r6,297 r19,725 r6,872 r27,321 r17,826	p6,31
Government	2,943 3,967 10,100	17,372 2,971 4,063 10,339		10,457	17,545 2,978 4,084 10,483	17,587 2,982 4,095 10,510	17,597 2,982 4,102 10,513	17,626 2,982 4,111 10,533	17,687 2,999 4,119 10,569	2,995 4,136 10,592	3,000 4,145 10,606	2,999 4,154 10,651 74,547	72,996 74,182 710,688	r2,984 r4,153 r10,706	r2,978 r4,163	^p 2,970 ^p 4,171 ^p 10,71
nonagric. payrolls, not seas. adjustedthous	68,976 12,970	71,413 13,254	13,460	13,420	71,336 13,312	71,391 13,318	71,923 13,348	72,751 13,362	73,428 13,390	74,343 13,487	13,296	13,452	⁷ 13,474	⁷ 13,409	r13,365	p13,30
nonagricultural payrolls thous Goods-producing do Mining do Construction do Manufacturing do Durable goods do Lumber and wood products do Furniture and fixtures do	68,976 17,358 511 3,877 12,970 7,439 620 413	71,418 17,775 519 4,002 13,254 7,635 637 423	72,278 17,929 511 4,053 18,365 7,717 645 426	17,963 510 4,068 13,385 7,730 647	510 4,132 13,423 7,758 652	510	78,101 18,052 514 4,096 13,442 7,749 646 428	73,204 18,053 519 4,104 13,430 7,744 642 428	73,315 18,058 521 4,111 13,426 7,735 641 427	73,555 18,022 511 4,111 13,400 7,706 638 426	73,670 18,047 503 4,134 13,410 7,697 636 427	73,741 18,071 525 4,145 13,401 7,696 633 421	r13,319	773,897 717,978 7527 74,144 713,307 77,615 633 7418	74,174 713,279 77,597 7634	^p 17,92 ^p 52 ^p 4,12 ^p 13,27 ^p 7,58 ^p 63
Stone, clay, and glass products do Primary metal industries do Fabricated metal products do Machinery, except electrical do Electric and electronic equip do Transportation equipment do do	453 563 1,039 1,191 1,214 1,292	466 592 1,067 1,252 1,224	470 601 1,079 1,279 1,233	472 602 1,082 1,285 1,224	473 603 1,089 1,292 1,222	474 602 1,087 1,298 1,218	472 603 1,086 1,298 1,214 1,292	471 603 1,080 1,298 1,213 1,297	469 601 1,079 1,302 1,205 1,297	468 602 1,074 1,303 1,198 1,284	468 601 1,073 1,309 1,199 1,270	467 600 1,069 1,304 1,195	463 *593 *1,062 1,299	7466 7590 71,061 71,293 1,184	7468 7587 1,058 71,301 1,181	P58 P1,05 P1,30 P1,17
Instruments and related products do Miscellaneous manufacturingdo	384 270	412 281		425 282		425 284	427 283	428 284	430 284	429 284	431 283	430 286		r431 r284		

January 1990			SURV	EYC	F CU.	RREN	TBU	211AFS	00							9-11
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	Ann 1987	ual 1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	L	ABOR I	FORCE	, EMPI	OYME	NT, AN	D EAR	NINGS	—Conti	inued		'				
EMPLOYMENT 8—Continued																
Seasonally Adjusted Production or nonsupervisory workers—Contin-																
ued		F 010	T 040	- 0	- 005	r 055	5 400	F 000	5 001	5.004	F (710	F 70F	r# 607	r5,692	⁷ 5,682	^p 5,688
Nondurable goodsthous Food and kindred productsdo	5,531 1,148	5,619 1,163	5,648 1,173	$\begin{array}{c} 5,655 \\ 1,172 \\ 42 \end{array}$	5,665 1,175	5,677 1,177	5,693 1,182 41	5,686 1,184	5,691 1,184 38	5,694 1,190 38	5,713 1,205 39	5,705 1,197 39	75,687 71,203 38	71,205 38	71,198	^p 1,195
Tobacco manufacturesdo Textile mill productsdo Apparel and other textile	42 630	42 632	42 628	628	$\begin{array}{c} 41 \\ 630 \end{array}$	41 630	630	40 630	630	630	631	627	^r 623	r625	622	P623
products do Paper and allied products do Paper and allied products	923 516	919 524	916 525	919 525 886	922 524	$\frac{926}{524}$	930 525 891	927 524 889	925 525 891	922 525 892	922 528	922 528	7917 7524	^r 914 ^r 526	⁷ 913 ⁷ 526	p917 p528
Printing and publishing do Chemicals and allied productsdo	841 575	874 596	883 602	604	524 887 607	524 888 608	610	609	614	616	893 614	894 617	892 614	⁷ 892 617	⁷ 896 7618	^p 897 ^p 622
Petroleum and coal productsdo Rubber and plastics prod-	107	105	106	105	104	105	105	105	106	107	107	107	107	107	108 	P106
ucts, necdo Leather and leather productsdo	629 120	646 119	655 118	$\frac{656}{118}$	656 119	659 119	660 119	660 118	660 118	656 118	657 117	658 116	⁷ 653 ⁷ 116	7653 115	7114	^p 115
Service-producingdo Transportation and public utilitiesdo	51,618 4,455	53,637 4,610	54,344 4,671	54,531 4,691	54,709 4,704	54,901 4,718	55,049 4,718	55,151 4,735	55,257 4,752	55,533 4,763	55,623 4,779	55,670 4,665	755,850 74,758	755,919 74,782	756,134 74,787	^p 56,225 ^p 4,853
Wholesale trade	4,682 16,431	4,854 16,936	4,917 17,066	4,931 17,106	4,948 17,171	4,970 17,215	4,990 17,244	4,996 17,235	5,007 17,280	5,016 17,317	5,021 17,338	5,038 17,388	"5,037 "17,391	75,053 717,383	r5,062 r17,472	^p 5,062 ^p 17,437
Finance, insurance, and real estatedo Servicesdo	4,808 21,242	4,849 22,389	4,873 22,817	4,879 22,924	4,886 23,000	4,893 23,105	4,900 23,197	4,902 23,283	4,918 23,300	4,933 23,504	4,944 23,541	4,954 23,625	74,969 723,695	74,972 723,729	^r 4,982 ^r 23,831	^p 4,987 ^p 23,886
AVERAGE HOURS PER WEEK \$	21,242	44,000	22,011	22,324	20,000	20,100	20,131	20,200	20,000	20,004	20,041	20,020	20,000	20,.20	20,001	20,000
Seasonally Adjusted															,	
Avg. weekly hours per worker on private nonag. payrolls: ♦														-0.0		
Not seasonally adjustedhours Seasonally adjusteddo	34.8	34.7	34.7 34.7	34.9 34.7	34.5 34.8	34.3 34.6	34.4 34.7	34.8 34.9	34.5 34.6 42.0	34.8 34.6	35.1 34.8	34.9 34.6 43.2	r34.7 34.7 r43.7	r34.8 r34.7 r43.9	34.5 34.6 *43.5	p34.6 p34.5 p43.7
Mining ‡do Construction ‡do Manufacturing:	42.4 37.8	42.3 37.9	41.9 37.8	42.8 37.3	42.2 36.5	41.7 36.2	42.0 37.4	42.8 37.9	42.0 37.7	42.6 38.0	42.5 38.9	39.0	38.6	39.2	r38.0	P37.1
Manufacturing: Not seasonally adjusteddo Seasonally adjusteddo	41.0	41.1	$\frac{41.5}{41.2}$	41.7 41.0	41.0 41.1	40.8 41.1	41.0 41.0	41.0 41.3	40.9 41.0	41.1 41.0	40.5 41.0	40.8 41.0	41.2 741.0	740.9 40.8	41.0 40.7	^p 41.3 ^p 40.7
Overtime hoursdodo	3.7 41.5	3.9 41.8	3.9 41.9	3.9 41.7	3.9 41.8	3.9 41.8	4.0	3.9 41.9	3.8 41.5	3.8 41.5	3.9 41.5	3.8 41.6	3.8 41.6	73.7 741.2	3.7 r41.2	P3.7
Overtime hoursdo Lumber and wood productsdo	3.8 40.6	41.8 4.1 40.3	41.9 4.2 40.3	4.1 4.1 40.3	41.6 4.1 40.3	41.0 4.1 39.6	4.1 4.1 40.0	41.5 4.1 40.5	3.9 39.7	3.9 39.8	4.0 39.6	3.9 40.2	3.9 40.2	3.8 40.4	3.7 740.1	p3.7
Furniture and fixtures do Stone, clay, and glass products do do do do do do do do do do do do do	40.0 42.3	39.4 42.3	39.5 42.6	39.4 42.4	39.8 42.5	39.7 42.2	39.8 42.2	39.9 42.5	39.4 41.9	39.4 42.2	39.5 42.3	39.6 42.5	39.6 42.2	r39.2 42.3	39.3 *42.3	p39.1 p41.7
Primary metal industries do Fabricated metal products do	43.1 41.6	43.6 41.9	43.7 42.1	43.5 41.8	43.6 41.9	43.4 41.9	43.5 41.8	43.3 41.9	$\frac{43.2}{41.7}$	$\frac{43.3}{41.5}$	43.0 41.5	42.9 41.5	42.8 741.6	742.5 741.5	$^{42.4}_{741.4}$	^p 42.5 ^p 41.0
Machinery, except electricaldo Electric and electronic	42.2	42.6	42.5	42.5	42.5	42.6	42.5	42.7	42.5	42.5	42.4	42.2	42.3	42.0 r40.9	^r 42.1 40.8	^p 42.1
equipdo Transportation equipmentdo Instruments and related	40.9 42.0	41.0 42.7	41.0 43.1	40.8 42.8	40.9 42.8	40.9 43.1	40.6 43.1	41.0 42.8	40.7 42.5	$\frac{40.7}{42.5}$	40.6 42.6	40.9 42.7	41.1 42.8	r41.2	r40.8	P42.2
products and related products do do do do do do do	41.4 39.4	$\frac{41.5}{39.2}$	41.6 39.3	41.1 39.0	41.5 39.4	$\frac{41.5}{39.5}$	41.1 39.5	41.5 39.8	41.1 39.6	41.3 39.4	41.4 39.3	41.1 39.4	$^{41.0}_{r39.2}$	41.1 r39.3	⁷ 41.2 ⁷ 39.8	^p 41.0 ^p 39.5
Nondurable goodsdo	40.2 3.6	40.1	40.2	40.0 3.6	40.1 3.6	40.2	40.1	40.4	40.2 3.7	40.3 3.6	40.2 3.8	40.2 3.6	r40.2 3.7	⁷ 40.2 3.7	40.1 3.6	₽39.9 ₽3.6
Overtime hoursdo Food and kindred productsdo Tobacco manufactures ‡do	40.2 39.0	3.7 40.3 39.8	3.6 40.6 40.3	40.2 39.9	40.1 38.0	3.7 40.3 37.8	3.8 40.4 36.3	3.8 40.7 38.1	40.5 39.5	40.7 40.1	41.0 37.9	40.8 37.3	741.0 740.3	740.8 740.2	740.8 739.0	^p 40.6 ^p 37.0
Textile mill productsdo Apparel and other textile	41.8	41.1	41.0	40.5	40.9	40.8	41.1	41.7	41.4	41.4	41.2	41.0	*40.6	r40.7	^r 40.4	₽40.3
productsdo Paper and allied productsdo	37.0 43.4	37.0 43.2	37.0 43.1	36.8 43.2	37.0 43.1	37.1 43.2	36.9 43.3	37.6 43.4	37.1 43.3	37.1 43.3	37.0 43.2	37.0 43.5	37.0 43.2	736.9 743.4	36.9 743.4	₽36.3 ₽43.2
Printing and publishing do Chemicals and allied productsdo	38.0 42.3	38.0 42.3	37.9 42.3	37.8 42.3	38.0 42.3	38.0 42.3	37.9 42.3	37.9 42.6	$37.7 \\ 42.1$	37.8 42.5	37.6 42.5	37.7 42.4	$37.9 \\ 42.5$	r37.8 r42.4	37.9 42.4	P37.7 P42.8
Petroleum and coal products ‡do Rubber and plastics prod-	44.0	44.4	44.2	44.3	43.5	44.0	43.2	44.3	43.9	44.6	44.3	43.7	744.4	*45.1	. *44.5	p42.5
ucts, necdo Leather and leather productsdo	41.6 38.2	41.7 37.5	41.7 37.3	41.4 37.7	41.7 38.0	41.7 38.6	41.6 38.0	41.6 38.3	$\frac{41.5}{37.4}$	41.5 37.9	41.4 37.7	41.5 38.1	r41.5 r38.1	741.4 37.7	⁷ 41.3 ⁷ 37.4	^p 41.0 ^p 37.8
Transportation and public utilitiesdo Wholesale tradedo	39.2 38.1	39.3 38.1	39.3 38.0	39.4 38.1	39.6 38.1	39.4 38.1	39.4 38.1	40.1 38.3	39.5 37.9	39.4 38.0	39.4 38.1	39.0 38.0	739.3 38.1	739.3 738.1	739.1 38.1 28.8	^p 39.3 ^p 38.0 ^p 28.5
Retail tradedo Finance, insurance, and real estate ‡do	29.2 36.3	29.1 35.9	29.0 35.7	29.1 35.8	29.1	28.9	28.9 35.8	29.1 36.3	28.9 35.6	28.9 35.8	29.2 36.3	28.8 35.8	28.8 95.7	29.0 r36.1		
Servicesdo	32.5	32.6	32.5	32.7	32.7	35.8 32.5	32.6	32.8	32.5	32.5	32.8	32.6	35.7 32.7	32.8	r35.7 32.6	^p 35.8 ^p 32.6
AGGREGATE EMPLOYEE-HOURS \$ Seasonally Adjusted																
Employee-hours, wage & salary workers in non- agric establish, for 1 week in the month.				,												
seas adj. at annual ratebil. hours Total private sectordo	189.93 156.32	196.51 161.73	198.14 163.57	199.16 164.08	200.31 164.99	200.32 164.72	200.33 165.01	202.10 166.62	200.85 165.17	201.37 165.96	202.54 167.18	201.67 166.29	r202.73 r166.63	r203.37 r167.42	7204.76 7167.17	P202.64
Miningdo Constructiondo	1.58 9.76	1.58	1.55 10.38	$1.56 \\ 10.27$	1.56 10.29	1.55 10.32	1.57 10.34	1.61	$\frac{1.57}{10.21}$	1.57 10.32	1.55 10.53	1.63 10.56	71.66 710.47	71.66 710.61	1.66 10.78	^p 1.65 ^p 10.44
Manufacturingdo Transportation and public utilitiesdo	40.53 10.96	41.42 11.36	41.84 11.51	41.72 11.56	41.93 11.64	41.95 11.63	41.91 11.62	42.08 11.81	41.88 11.71	41.91 11.77	41.86 11.80	41.88 11.42	741.71 711.68	741.53 711.73 712.46	741.43 711.71 712.46	P41.31 P11.86 P12.48
Wholesale tradedodo Retail tradedodo Finance, insurance, and real	11.60 28.07	11.95 28.92	12.05 29.09	12.11 29.30	12.16 29.44	12.23 29.24	12.28 29.29	12.37 29.47	12.24 29.32	12.31 29.35	12.39 29.73	12.36 29.39	12.39 ⁷ 29.47	r29.62	729.55	p29.27
estatedo Servicesdo	12.37 41.45	12.50 43.90	12.51 44.65	12.58 44.97	12.69 45.28	12.61 45.20	12.62 45.38	12.79 46.09	12.59 45.65	12.71 46.04	12.88 46.44	12.75 46.30	12.72 *46.53	⁷ 12.88 ⁷ 46.92	712.77 746.82	^p 12.81 ^p 46.96
Governmentdo	33.61	34.78	34.57	35.08	35.32	35.60	35.32	35.49	35.68	35.41	35.36		r36.10	r35.95		
Private nonagric. payrolls, total1977=100 Goods-producingdo	120.7 98.9	124.9 101.5	126.3 102.8	126.8 102.3	127.4 103.0	127.2 102.9	$\frac{127.6}{102.9}$	128.7 103.5	$127.6 \\ 102.4$	128.1 102.5	129.2 103.0	128.5 103.3	7128.9 7102.8	⁷ 129.2 ⁷ 102.4	129.0 102.4	^p 128.6 ^p 101.4
Miningdo Constructiondo	80.8 132.7	81.8 137.5	80.0 141.1	80.2 139.4	79.9 141.2	80.1 140.5	81.1 140.3	83.4 141.0	81.8 138.2	81.2 139.3	80.3 142.7	84.4 143.5	785.3 143.1	785.5 143.8	785.8 7145.6	P84.5
Manufacturingdo Durable goodsdo	93.2 90.7	95.5 93.6	96.5 94.9	96.2 94.6	96.7 95.2	96.7 95.0	96.7 94.9	97.2 95.2	96.4 94.3	96.4 94.0	96.3 93.8	96.4 94.0	795.8 93.3	795.2 792.2	794.9 791.9	p94.6
Nondurable goodsdo Service-producingdo	96.9 132.8	98.3 137.8	98.8 139.2	98.4 140.3	98.9 140.9	99.3 140.6	99.5 141.2	100.1 142.6	99.5 141.5	99.9 142.2	100.1 143.7	99.9 142.4	799.7 7143.3	799.6 7144.0		**p98.8 **p143.6
Transportation and public utilitiesdo Wholesale tradedo	109.0 118.7	113.2 122.8	114.7 124.2	115.5 124.9	116.4 125.3	116.2 125.9	116.2 126.4	118.6 127.2	117.3 126.1	117.3 126.7	117.7 127.2	113.7 127.3	7116.8 7127.6	7117.4 7128.0	7117.0 128.2	P119.2 P127.9
Retail tradedo Finance, insurance, and real	. 122.4	125.5	126.0	126.7	127.2	126.7	126.9	127.2 127.7	127.2	127.4	128.9	127.5	127.5	^r 128.4	′128.1	P126.5
estate do Services do	. 140.9 152.8	140.9 161.5	140.6 164.0	141.2 165.8	142.1 166.4	140.8 166.1	141.8 167.3	143.8 168.9	141.9 167.5	142.7 169.0	145.0 170.8		′143.8 ′171.4	⁷ 145.0 172.2	′143.7 ′171.8	P144.3 P172.2
See footnotes at end of tables.	1	1	'	1	1	1		ı I	ı		ı		1		'	

Table Tabl	methodological notes are as shown in Business Statistics: 1986 HOURLY AND WEEKLY EARNINGS \$ Average hourly earnings per worker: \$ Not seasonally adjusted: Private nonagric. payrolls
HOURLY AND WEEKLY EARNINGS	Average hourly earnings per worker: Not seasonally adjusted: Private nonagric. payrolis
Average bourly earnings per worker (*) Not seemonly adjunct dollars \$56 \$5.9 \$4.6 \$5.4 \$5.5 \$5.6 \$6.9 \$8.0 \$8.0 \$8.0 \$8.1 \$8.77 \$9.1 \$	Average hourly earnings per worker: Not seasonally adjusted: Private nonagric. payrolis
Private Note Private	Not seasonally adjusted: Private nonagric. payrolls
Private ponegric, payrolla \$400 a \$400	Private nonagric. payrolls
Construction	Construction Manufacturing Secular Security Security Security Security Security Security Security Security Secular Security
Excluding overtime	Excluding overtime
Exclusing overtime	Excluding overtime Lumber and wood products
Lumber and wood products. 40. 8.40 8.61 8.69 8.76 8.71 8.69 8.65 8.76 8.76 8.77 8.69 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.60 8.65 8.76 8.77 8.77 8.77 8.77 8.77 8.77 8.77	Lumber and wood products
Stone, clay, and glass productsdo	
Patricised metal products	Stone, clay, and glass products
Electric and electronic Electric and electronic Electric and electronic Electric and electronic Electric and 10.47 10.48 10.48 10.47 10.48	Fabricated metal products
Trainportation equipment. do	Electric and electronic
moderate moderate	Transportation equipment
Section Sect	products
Excluding overtime do 8.78 9.02 9.11 9.18 9.22 9.22 9.24 9.25 9.28 9.38 9.37 9.35 9.27 9.32 9.34 9.41	ing
Tobacco manufactures do 14.07 14.88 14.56 14.81 14.89 14.75 15.84 15.67 15.18 16.48 16.34 15.27 14.69 14.91 17.50 Apparel and other textile do 17.7 17.87 17.47 17.80 17.60	Excluding overtime
Textile mill products do 7.17 7.87 7.47 7.52 7.60 7.59 7.59 7.60 7.62 7.62 7.65 7.66 7.68 7.69 7.76 7.77 7.82 Apparel and other textile products do 5.94 6.12 6.25 6.29 6.32 6.32 6.34 6.32 6.33 6.28 6.32 6.32 6.41 76.39 76.44 Paper and allied products do 11.43 11.65 11.74 11.31 11.78 11.39 11.84 11.83 11.89 11.91 12.04 11.90 71.97 71.207 Paper and allied products do 12.67 12.67 12.67 11.03 11.03 11.03 11.04 11.03 11.04 11.04 11.04 11.04 11.04 Printing and publishing do 12.67 12.67 12.67 11.03 11.03 11.03 11.04 11.03 11.04 11.04 11.04 11.04 11.04 11.04 11.04 11.04 Printing and publishing do do 12.67 12.67 12.67 11.05 11.	Food and kindred products
products do	Textile mill products
Printing and publishing	Paper and allied products
Petroleum and coal productsdododododo	Printing and publishing
ucts, nec. do. do. do. do. do. do. do. do. do. do	Petroleum and coal products
Transportation and public utilities	ucts, nec
Retail trade	Transportation and public utilities
Services do. 8.78 9.99 9.27 9.32 9.46 9.47 9.43 9.59 9.48 9.59 9.50 9.62 9.79 9.61 9.61 Seasonally adjusted: Private nonagricultural payrolls dollars 898 9.29 9.42 9.45 9.49 9.52 9.54 9.61 9.60 9.62 9.69 9.74 9.78 9.78 9.78 Mining do. 12.71 18.01 18.10 18.15 18.18 18.22 18.26 18.38 18.32 18.32 18.32 18.42 18.37 18.39 18.44 18.57 18.50 18	Retail trade
Private nonfarm economy: Current dollars Seasonally adjusted: Private nonfarm economy: Current dollars 1977 = 100 173.5 179.0 181.4 181.7 182.7 183.0 181.4 181.7 182.7 183.0 183.1 181.7 182.9 182.2 183.1 183.2 182.2 182.2 182.2 183.2	estate ,
Private nonagricultural payrolls dollars 8.98 9.29 9.42 9.45 9.49 9.52 9.54 9.61 9.60 9.62 9.69 9.69 9.74 79.78 79.78	
Construction do 12.71 13.01 13.10 13.15 13.18 13.22 13.26 13.33 13.32 13.42 13.37 13.59 713.49 713.53 713.59 713.54	Private nonagricultural payrollsdol
Transportation and public utilities. do	Construction
Retail trade	Transportation and public utilities
estate	Retail trade
Indexes of avg. hourly earnings, seas. adj.:	estate
Current dollars	Indexes of avg. hourly earnings, seas. adj
Mining ##	Current dollars1977=
Manufacturing	Mining ‡‡
Wholesale trade ### do 177.1 182.7 185.1 186.6 (*2) Retail trade do 160.9 165.9 168.9 168.2 (*2) Finance, insurance, and real estate ## do 187.5 195.7 199.5 200.2 (*2) Services do 181.1 189.8 199.3 199.9 (*2)	Manufacturing
Retail trade	Transportation and public utilities
Services	Retail trade
	estate ‡‡ Services
Hourly wages, not seasonally adjusted: Construction wages, 20 cities (ENR): §\$	Hourly wages, not seasonally adjusted:
Common labor	Common labor\$ per Skilled labor
Railroad wages (average, class I)do 14.25 15.00 15.11 15.28 15.30 15.59 15.25 15.33 15.29 15.35 15.45 16.07 16.21 16.10 16.30	
Avg. weekly earnings per worker, private nonfarm: \$\delta \tag{2.50}	private nonfarm: 🔿
Current dollars, seasonally adjusted \$\frac{1}{2}\$ 322.36 \\ 322.3	
Current dollars, not seasonally adjusted: Private nonfarm, totaldollars 312.50 322.36 328.26 330.15 329.13 327.57 328.86 334.78 330.86 333.38 338.01 335.39 7389.02 7341.39 7388.45	
Mining	Mining Construction
Construction do 480.44 493.08 494.42 491.99 483.99 478.20 495.92 504.07 500.66 503.12 518.54 519.87 520.83 529.98 513.76 Manufacturing do 406.31 418.40 427.87 432.43 425.17 423.50 426.81 426.18 429.08 424.04 425.95 434.66 7430.27 433.78 Durable goods do 406.31 447.68 447.68 457.87 463.25 456.62 452.77 455.78 454.01 457.87 449.49 458.47 462.27 457.88 7460.65	Manufacturing
Nondurable goods	Nondurable goods
utilities do 471.58 484.18 489.68 490.59 490.07 488.75 488.43 497.90 490.86 494.21 500.68 494.86 7500.38 7499.99 7496.96 Wholesale trade 365.76 378.71 382.66 387.85 387.72 386.69 386.96 395.75 389.61 392.81 398.32 394.34 7398.91 7402.15 7401.96	utilities
Retail trade	Retail trade
estate do 316.90 326.33 330.94 333.66 341.51 339.93 337.59 348.12 337.49 339.38 348.12 340.10 343.43 7350.53 7345.93 Services do 275.93 290.47 296.08 298.62 301.55 300.67 301.00 306.35 301.32 302.80 308.82 305.64 309.87 7314.55 7318.29	estate
EMPLOYMENT COST INDEX	
Civilian workers †	Civilian workers †6/81=
Workers, by occupational group White-collar workers White-collar workers 149.7 151.9 153.4 166.4	White-collar workers
Biue-collar workers	Service workers
Workers, by industry division Manufacturing 149.5 145.1 145.1	Manufacturing
Nonmanufacturing	Nonmanufacturing Services
Public administration 154.4 156.7 156.7 157.9 161.8	
HELP-WANTED ADVERTISING Seasonally adjusted index	HELP-WANTED ADVERTISING
See footnotes at end of tables.	

January 1990			SUR	VEY	JF CU	RREN	AL BO	SINE	22							5-13
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	Ant 1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	L	ABOR	FORCE	, EMPI	LOYME	NT, AN	D EAR	NINGS	-Cont	inued						
WORK STOPPAGES																
Work stoppages involving 1,000 or more workers: Number of stoppages:				i											i	
Beginning in month or year number. Workers involved in stoppages:	. 46	40	1	0	3	0	2	4	7	0	8	7	6	4	5	1
Beginning in month or year thous. Days idle during month or yeardo	174 4,456	118 4,364	2 78	0 52	7 153	0 138	30 950	7 1,064	55 1,227	938	145 1,364	204 3,717	14 1,909	60 3,098	2,380	5 402
UNEMPLOYMENT INSURANCE *																
State programs: Initial claimsthous.	16,795	15,919	1,277	1,633	1,949	1,319	1,363	1,109	1,209	1,311	1,556	1,264	1,082	⁷ 1,446	1,550	
Average weekly insured unem- ploymentdo	2,265	2,048	1,686	1,824	2,647	2,618	2,520	2,246	1,963	1,855	2,055	2,051	1,782	1,853	1,998	
Rate of insured unemployment @percent. Total benefits paidmil. \$.	2.4 14,175	2.1 13,070	1.8 943	2.1 1,085	2.6 1,411	$\frac{2.6}{1,252}$	2.5 1,529	$\frac{2.1}{1,141}$	1.9 1,127	1.9 1,204	2.1 1,053	1,9 1,193	1.8 958	1.9 71,041	1,060	
Weeks of unemployment compensatedthous	103,895	92,919	6,748	7,638	9,875	8,722 148.28	10,474	7,882	7,727	6,614	7,200	8,847	6,490	76,915	7,167 153.47	ļ
Average weekly benefitdollars. Federal civilian employees unemployment	146.23	145.86	136.07	147.19	148.36	140.28	151.06	149.83	179.30	162.81	151.26	150.99	152.61	r155.93	199.41	
insurance (UCFE): Initial claimsthous	117.8	121.4	9.5	9.5	12.2	8.0	7.9	8.1	8.9	10.7	12.3	9.0	7.8	⁷ 10.5	9.3	
Average weekly insured unemploymentdodo	21.2 131.7	22.3	23.8 13.4	22.5 13.1	27.4	25.8 13.3	22.9	20.0	18.0	18.3	21.5	23.5 13.1	20.6 *10.6	21.8 11.2	22.2	
Total benefits paidmil. \$. Weeks of unemployment compensatedthousthous	1,002.1	143.1 1,043.6	97.8	95.2	15.2 106.9	91.1	14.4 98.1	10.4 72.0	10.3 71.6	9.7 69.0	10.6 75.5	96.1	78.3	r152.2	11.3 82.4	
Average weekly benefitdollars.	131.43	137.09	137.35	137.94	142.19	145.54	147.02	144.22	144.33	140.33	140.13	136.42	⁷ 135.12	773.75	137.65	
Veterans unemployment insurance (UCX): Initial claimsthous	140.0	141.7	9.4	9.9	11.3	9.1	10.8	9.0	9.2	8.8	9.1	10.1	9.0	9.8	9.7	
Average weekly insured unem- ploymentdo Total benefits paidmil. \$	17.8 121.0	18.1 123.1	12.3 7.0	12.8 7.5	16.7 9.4	16.5 8.3	15.6 9.6	15.0 7.9	14.3 8.8	14.0 7.8	14.1 7.9	14.8 9.0	13.8 7.9	14.8 78.5	15.3 8.3	
Weeks of unemployment compensatedthousthous	794.9	787.6	44.1	47.6	59.2	52.2	60.4	49.4	54.0	48.4	48.2	54.8	47.5	751.1	49.6	
Average weekly benefitdollars	152.26	156.27	159.26	158.32	159.05	158.44	158.66	159.00	162.38	161.80	164.51	164.32	165.72	r166.12	166.46	
					FIN	IANCE										
BANKING				!								,				
Open market paper outstanding, end of period: Bankers' acceptancesmil. \$	70,565	¹ 66,631	65,961	66,631	62,212	62,933	62,458	64,357	62,396	64,115	65,588	65,764	64,042			
Commercial and financial company	2373,586	451,762	442,396	451,762	468,690	⁵ 487,007	486,783	498,606	501,589	504,371	503,095	513,786	511,881	⁷ 512,446	516,426	
Financial companiesdo Dealer placeddo	² 287,274 ² 115,034	354,127 161,535	344,544 151,581	354,127 161,535	362,469 163,718	⁵377,749 ⁵174.807	377,094 173,464	379,647 172,577	378,388 170,122	380,375 170,174	381,029 175,978	388,935 180,822	385,798	r384,785 r173,119	387,137 175,770	
Directly placeddodo Nonfinancial companiesdo	² 172,240 ² 86,312	192,592 97,635	192,963 97,852	192,592 97,635	198,751	⁵ 202,942 ⁵ 109,258	203,630 109,689	207,070 118,959	208,266 123,201	210,201 123,996	205,051 122,066	208,113	207,317 126,083	211,666 127,661	211,367 129,289	
Loans of the Farm Credit System: ** Total, end of period	52,498	51,428		51,428			50,744			50,390			50,589			
Long-term real estate loansdo Short-term and intermediate-term	34,346	32,182		32,182			31,051			30,624			30,474	•		
loansdo Loans to cooperativesdo	9,927 8,225	9,256 9,990		9,256 9,990			9,286 10,408			9,980 9,787			10,240 9,876	••••••		
Federal Reserve banks, condition, end of period: Assets, total #mil. \$	275,566	293,674	285,638	293,674	286,771	284,582	281,635	303,807	286,551	295,816	283,237	282,515	290,607	293,439	292,539	304,465
Reserve bank credit outstanding, total #do	236,046	250,945	243,803	250,945	241,413	230,795	238,435	257,498	234,286	239,059	226,230	225,192	228,704	226,441	230,516	236,991
Loans do U.S. Government securities do	3,815 222,551	2,170 238,422	2,328 232,702	2,170 238,422	863 232,933	1,602 229,499	2,454 228,643	1,952 232,150	2,033 223,535	841 231,767	594 218,676	541 217,409	598 221,051	270 218,176	182 223,142	481 228,367
Gold certificate accountdo	11,078	11,060	11,059	11,060	11,056	11,061	11,061	11,061	11,060	11,063	11,066	11,066	11,065	11,062	11,060	11,059
Liabilities, total #dodododododododododododo	275,566 48,368	293,674 48,898	285,638 45,859	293,674 48,898	286,771 48,245	284,582 44,126	281,635 42,587	303,807 61,753	286,551 39,794	295,816 50,038	283,237 40,258	282,515 39,114	290,607 46,348	293,439 46,018	292,539 43,395	304,465 46,430
Member-bank reserve balancesdo Federal Reserve notes in circu-	41,784	39,347	40,012	39,347	35,810	36,985	37,394	37,968	33,553	37,381	34,339	31,924	32,253	32,351	37,277	38,327
lationdodAll member banks of Federal Reserve System,	212,890	229,640	224,535	229,640	221,619	222,769	224,857	225,336	229,372	230,848	230,229	230,766	229,076	230,467	235,306	241,739
averages of daily figures: Reserves held, totalmil. \$	³62,123		62,407	63,739	63,468	60,693	60,212	61,288	58,911	59,587	60,254	59,559	60,126	60,397	⁷ 60,989	62,813
Excess	361,094 31,029	³ 62,699	61,287 1,119	62,699 1,040	62,323 1,145	59,539 1,154	59,255 957	60,511 776	57,881 1,031	58,681 905	59,288 966	58,674 885	59,188 938	59,378 1,020	r60,044 r945	61,883 931
Borrowings from Federal Reserve banksdodo	³777 ³735	³1,716 ³568	2,861 580	1,716 568	1,662 529	1,487 717	1,813 478	2,289 194	1,720 508	1,490 332	694 378	675 251	693 267	555 486	349 ⁷ 617	265 686
Large commercial banks reporting to Federal	100	- 3001	900	900	529	(1)	410	194	900	992	910	201	201	400	011	000
Reserve System, last Wed. of mo.: ‡ Deposits: Demand, total #mil. \$	247,354	247,112	240,572	247,112	219,279	228,985	217,185	220,021	944 114	219,187	215,981	215,034	222,501	216,550	223,373	248,307
Individuals, partnerships, and corporationsdo	190,551	195,301	191,557	195,301	174,977	181,031	173,682	174,716	244,114 189,983	173,820	172,343	172,097	175,734	173,248	178,974	197,212
States and political subdivisionsdo U.S. Governmentdo	6,741 3,258	6,993 2,711	6,455 2,949	6,993 2,711	6,770 2,531	5,868 1,709	5,209 2,983	6,247 4,649	5,894 2,678	6,078 2,516	5,862 3,046	5,182 3,084	6,415 3,113	5,978 2,262	5,623 1,793	7,248 1,865
Depository institutions in U.Sdo Transaction balances other than demand	27,450	24,187	22,067	24,187	19,413	23,360	18,950	18,567	25,996	20,081	19,246	19,517	19,506	19,716	21,049	24,251
deposits	66,953 565,156	75,384 624,038	73,637 622,745	75,384 624,038	75,222 651,187	75,969 657,494	75,386 667,737	77,604 667,428	74,271 673,096	71,824 674,735	72,951 682,063	73,459 686,827	72,787 687,094	74,794 700,138	76,012 703,876	79,238 704,060
Individuals, partnerships, and corporationsdo	524,426	585,178	583,097	585,178	609,588	615,114	625,588	626,154	631,788	634,594	642,708	647,353	648,506	661,528	665,907	666,397
Loans and leases(adjusted),total §dodo	847,282	918,698	911,750	918,698	931,166	942,497	948,734	948,493	963,570	963,811	967,448	971,706	976,688	986,018	992,651	994,060 318,691
For purchasing and carrying securities do do do do do do do do do do do do do	287,385 12,496	301,013 14,090	300,222 15,420	301,013 14,090	304,520 12,605	309,355 13,620	310,400 15,134	314,548 14,102	317,429 15,640	313,436 17,028	319,341 16,360	317,064 16,280	314,783 16,699	317,857 16,948	318,983 15,760	16,261
To nonbank depository and other financialdo	23,927	22,858	21,761	22,858	21,198	20,435	19,728	20,064	21,426	21,810	21,813	21,815	21,590	22,424	22,872	22,334
Real estate loansdo To States and political subdivisionsdo	261,036 32,664	301,629 28,441	297,989 28,792	301,629 28,441	312,261 27,999	314,359 27,822	318,227 27,660	322,112 27,436	325,963 27,143	330,487 26,996	333,971 26,735	340,854 26,514	$342,740 \\ 26,222$	345,702 26,061	350,282 25,389	352,500 24,940
Other loansdododo	229,774 196,170	250,667	247,566 209,156	250,667 200,806	252,583 207,976	256,906 207,398	257,585 209,135	250,231 205,775	255,969 209,890	254,054 212,393	249,228 214,014	249,179 214,323	254,654 213,744	257,026 226,339	259,365 227,886	259,334 223,349
U.S. Treasury and Govt. agency securities, totaldodo	122,881	128,633	135,859	128,633	135,364	135,161	137,135	134,058	137,220	140,742	142,550	143,671	143,947	157,973	161,418	156,556
Investment account do Other securities do do		114,447	116,229	114,447 72,173	118,426 72,612	120,353 72,237	120,529 72,000	121,154 71,717	124,003 72,670	128,575 71,651	129,326 71,464	131,501 70,652	132,031 69,797	138,399 68,366	141,011 66,468	140,002 66,793
See footnotes at end of tables.	I,	-,=,5	1	_,	,	-,	_,,,,,	-,, ~,	-,	-,,,,,,	-, -, -	-,,,,,,,	-,,**	-,	-,	l .,

5-14			SUL	VEI (JF CU	RREI	I BU	DIME	3D						Januai	ry 1990
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in BUSINESS STATISTICS: 1986	Ann 1987	ual 1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	!			FI	NANCE	I—Cont	inuad			لــــــــــــــــــــــــــــــــــــــ						·
				PI	MANCE	2—Com	inueu		1							
BANKING—Continued Commercial bank credit, seas. adj.: § Total loans and securities \(\rightarrow\)bil. \(\frac{1}{2} \).	2,239.6	2,417.2	2,410.2	2,417.2	2,422.8	2,451.9	2,464.9	2,470.9	2,486.3	2,496.8	2,518.1	2,534.4	2,544.1	2,575.5	2,583.9	2,577.4
U.S. Government securitiesdo	335.5 195.3	361.4 194.0	358.8 195.9	361.4 194.0	360.4 189.6	361.8 190.4	368.8 189.7	370.7 187.2	373.5 186.4	373.8 185.8	374.4 184.6	376.6 182.8	378.8 182.9	391.7 182.7	397.5 180.3	396.9 181.3
Total loans and leases do Money and interest rates:	1,708.8	1,861.9	1,855.6	1,861.9	1,872.9	1,899.7	1,906.5	1,913.1	1,926.5	1,937.3	1,959.1	1,974.9	1,982.4	2,001.1	2,006.1	1,999.
Prime rate charged by banks on short-term business loanspercent	8.22	9.32	10.05	10.50	10.50	10.93	11.50	11.50	11.50	11.07	10.98	10.50	10.50	10.50	10.50	10.5
Discount rate (New York Federal Reserve Bank) @ @do Federal intermediate credit bank	5.66	6.20	6.50	6.50	6.50	6.59	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.0
loansdo Home mortgage rates (conventional 1st	8.54	(3)													••••••	
mortgages): New home purchase (U.S. avg.)percent Existing home purchase(U.S. avg.)do	² 8.94 ² 8.94	28.83 29.01	9.05 9.16	9.04 9.31	9.20 9.31	9.46 9.44	9.63 9.62	9.88 9.76	9.82 10.13	10.09 10.27	10.06 10.10	9.83 9.81	9.87 9.82	9.77 9.86	9.78 9.80	9.7 9.6
Open market rates, New York City: Bankers' acceptances, 3-monthdo Commercial paper, 6-month ‡do	6.75 6.85	7.56 7.68	8.55 8.55	8.96 8.97	8.93 9.02	9.27 9.35	9.83 9.97	9.68 9.78	9.35 9.29	8.97 8.80	8.54 8.35	8.47 8.32	8.59 8.50	8.42 8.24	8.21 8.00	8.1 7.9
Finance co. paper placed di- rectly, 6-modo	6.37	7.14	7.94	8.24	8.44	8.65	9.17	9.29	8.97	8.22	7.80	7.49	7.56	7.50	7.45	7.8
Yield on U.S. Gov. securities (taxable): 3-month bills (rate on new issue)percent	5.820	6.690	7.680	8.090	8.290	8.480	8.830	8.700	8.400	8.220	7.920	7.910	7.720	7.590	7.650	7.64
CONSUMER INSTALLMENT CREDIT †									· Ì				į			
Not seasonally adjusted Total outstanding (end of period) #mil. \$	618,191	671,362	659,193	671,362	684,674	682,274	682,154	687,288	692,263	697,270	699,019	706,098	709,606	711,271	716,544	
By major holder: Commercial banksdo Finance companiesdo	287,154 141,120	323,931 146,212	317,589 146,039	323,931 146,212	318,287 141,194	316,898 141,292	314,743 140,207	318,603 141,730	321,053 143,265	323,107 144,882	323,368 145,424	326,997 145,990	329,543 147,207	7331,135 144,418	333,305 143,804	
Credit unions	81,007 45,080	87,110 47,863	86,823 43,042	87,110 47,863	86,980 42,804	86,865 41,071	87,346 40,762	88,222 40,591	88,874 40,829	89,488 40,962	89,672 40,787	90,727 41,180	90,980 41,171	791,051 41,434	91,178 42,680	
Savings institutionsdo Seasonally adjusted	60,226	62,572	62,091	62,572	62,792	62,674	62,007	61,808	61,648	60,178	60,134	59,679	59,679	⁷ 58,678	58,141	
Total outstanding (end of period) #do By major holder:	i		654,413	659,507	682,020	687,397	691,162	693,911	698,132	700,849	700,344	703,001	704,371	*707,562	711,799	
Commercial banksdo Finance companiesdo Credit unionsdo			316,683 143,488 85,740	318,925 145,180 86,118	316,797 141,795 87,093	318,423 143,419 87,813	318,242 143,070 88,514	320,458 144,378 89,330	323,363 145,523 89,890	324,438 146,055 90,073	323,621 145,488 89,852	326,135 144,386 90,016	327,327 144,188 89,892	r330,746 141,273 r89,856	332,300 141,440 90,035	
Retailersdo Savings institutionsdo			42,910 61,922	43,498 62,099	40,986 62,867	41,052 63,109	41,300 62,735	41,301 61,919	41,323 61,311	41,649 59,920	41,798 60,092	41,989 59,229	42,221 59,883	42,319 r58,890	42,554	
By major credit type: Automobiledo			279,926 173,030	281,174	286,382 176,716	288,767 178,570	288,850 182,831	289,654 184,500	290,741 186,502	290,192 189,622	288,526 191,028	288,533 194,398	287,754 195,302	^r 288,747 ^r 196,379	289,266 199,191	
Revolvingdo Mobile homedo Total net change (during period) #do	}		26,005 5,281	174,792 25,744 5,094	26,036 22,513	25,992 5,376	24,168 3,765	23,993 2,749	23,952 4,221	23,685	23,630	22,938 2,657	22,991 1,371	r22,947	22,523	
By major holder: Commercial banksdo			4,095	2.242	-2,127	1,626	-181	2,216	2,905	1,075	-817	2,514	1,192	r3,419	1,554	
Finance companiesdo Credit unionsdo Retailersdo	,		476 402 296	1,692 378 588	-3,385 975 -2,513	1,624 720 67	-349 701 247	1,308 816 1	1,145 560 22	532 183 326	$-567 \\ -221 \\ 149$	-1,102 164 191	-198 -124 232 654	-2,915 -36 98	235	
Savings institutionsdo			-4	177	768	242	-375	-816	-608	-1,391	172	-863		r-993		
Automobile			1,024 2,899 -28	1,248 1,762 -261	5,208 1,924 293	2,385 1,854 44	82 4,261 -1,824	804 1,670 -174	1,087 2,002 -41	$-549 \\ 3,120 \\ -267$	-1,667 $1,406$ -56	$\begin{array}{c} 7 \\ 3,370 \\ -692 \end{array}$	-779 904 53	r993 r1,076 r=44	519 2,813 424	
FEDERAL GOVERNMENT FINANCE		••••••••••	-20	-201	2.50		-1,024	-114	-41	_201	_00	- 352	00			
Federal receipts and outlays: Receipts (net)	¹ 854,143	¹ 908,166	64,320	93,729			68,205	128,892	71,025	108,249	66,191	76,161	99,233			
Total surplus or deficit (—)do	-148,005	155,151	~29,134	-11,442	2,806	~27,871	-35,779	88,320 40,572	-25,466	100,460 7,789	-18,239	-22,150	6,066		100,172 $-28,959$ $28,959$	-14,6
Federal financing, totaldo	1148,005 1150,070 1-2,065	¹ 155,151 ¹ 166,139 ¹ -10,988	29,134 $31,636$ $-2,502$	11,442 11,910 -468	-2,806 $7,359$ $-10,165$	27,871 17,190 10,681	35,779 13,405 22,374	-40,572 $-1,291$ $-39,281$	25,466 10,214 15,252	-7,789 1,098 -8,887	18,239 -3,962 22,201	22,150 35,854 -13,704	6,066 6,672 —606	36,690	19,790 9,169	6,8
Gross amount of debt outstandingdododo	¹ 2,355,206 ¹ 1,897,761	¹ 2,614,581 ¹ 2,063,900	2,672,211 2,105,852	2,707,284 2,117,766	2,720,742 2,125,125	2,745,577 2,142,315	2,763,562 2,155,684	2,779,291 2,154,393	2,800,128 2,164,607	2,823,955 2,165,705	2,824,487 2,161,743	2,860,454 2,197,597	2,881,112 2,204,270	2,924,765 2,240,959	2,946,111 2,260,749	2,975,58 2,267,5
Federal receipts by source and outlays by agency:	107.110		44000			04.00	00.005	100.000	^^-	****	22.101	F0 101	00.000	00.400	71 010	00.14
Receipts (net), total	1854,143 1892,557 183,926	¹ 908,166 ¹ 401,181 ¹ 94,195	64,320 29,822 1,442	39,673	89,306 48,627 3,181	61,897 28,427 907	68,205 17,769 12,744	128,892 68,533 14,689	71,025 25,336 1,926	108,249 49,876 20,878	66,191 29,377 2,042	76,161 36,932 1,963	99,233 45,026 19,430	68,426 35,493 729	71,213 34,448 2,385	89,13 37,38 18,87
(net)mil. \$ Otherdo	¹ 303,318 ¹ 74,342	¹ 334,335 ¹ 78,454	25,075 7,981	24,698 7,063	31,652 5,846		30,268 7,423	39,496 6,173	35,349 8,414	31,276 6,215	27,941 6,832	28,470 8,794	29,259 5,518	24,308 7,896	26,791 7,588	25,80 7,00
Outlays (net), totaldo	11,002,147 149,593 1273,938	¹ 1,063,318; ¹ 44,003; ¹ 281,935	93,454 5,318 23,905	105,171 4,917 28,201	86,500 4,610 19,281	4,153	103,984 3,832 28,918	88,320 4,589 20,590	96,491 3,677 24,327	100,460 3,209 28,379	84,430 3,018 20,478	98,310 2,247 25,313	105,299 3,074 27,750	94,515 3,821 19,152	100,172 5,167 24,586	103,77 3,5 27,7
Health and Human Services Departmentmil. \$. Treasury Departmentdo	¹ 351,315 ¹ 180,345	¹ 373,169 ¹ 201,644	31,956 16,854	33,491 34,577	31,487 15,492	32,227	35,553 16,380	31,650 16,443	34,363 19,227	38,818 35,659	31,642 14,325	34,859 16,886	34,590 14,482	33,207 14,813	34,029 19,457	35,8- 40,60
National Aeronautics and Space Admdo Veterans Affairs Departmentdo	17,591 126,952	19,092 129,249	993	884	822 1,182	709	1,043 3,758	809 1,246	966	998 3,587	822 1,211	989 2,257	1,003 3,628	1,126 1,492	976 2,611	1,06 3,68
GOLD AND SILVER:	- 20,992	20,249	2,105	9,527	1,102	2,218	0,198	1,240	4,000	9,907	1,211	ا نائدیند	0,040	1,404	2,011	0,00
Gold: Monetary stock, U.S. (end of period) @mil. \$.	11,078	11,057	11,059	11,057	11,056	11,061	11,061	11,061	11,060	11,063	11,066	11,066	11,065	11,062	L	
Price at New York ‡‡dol. per troy oz.	446.504	436.931	420.068			387.776	390.143	384.400		367.598	374.978	364.928	361.890	366.884	392.320	409.15
Price at New York ##dol. per troy oz.	7.009	6.535	6.275	6.108	5.972	5.891	5.930	5.791	5.447	5.280	5.236	5.179	5.133	5.133	5.465	5.58
See footnotes at end of tables.																

January 1550			DOIL	A 13.1 (71 00	1010331	T DC	CITAL	00							5-10
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	1987	nual 1988	Nov.	88 Dec.	Jan.	Feb.	Mar.	Apr.	May	June	89 July	Aug.	Sept.	Oct.	Nov.	Dec.
	·I.			FI	NANCI	ECont	inued				ļ	I		L		
MONETARY STATISTICS Currency in circulation (end of period)bil. \$. Money stock measures and components (averages	230.2	247.7		247.7			242.9			249.2			247.6			
of daily figures); † Measures (not seasonally adjusted): M1	744.2 2,863.2 3,591.9 4,243.8	3,009.4 r3,819.2	788.3 3,058.0 73,903.4 74,643.3	804.4 3,077.3 73,925.4 74,685.8	793.1 3,076.2 3,927.7 74,692.7	772.4 3,057.0 73,917.4 4,686.3	775.2 3,071.9 73,945.8 74,721.2	791.4 3,092.5 r3,963.3 r4,752.3	767.2 73,063.1 73,941.1 74,735.5	773.8 r3,091.0 r3,967.5 r4,760.7	781.7 73,124.6 73,995.1 74,782.7	777.4 r3,136.8 r4,001.2 r4,802.2	778.5 r3,146.9 r3,998.9 r4,808.5	784.4 r3,169.5 r4,008.0 r4,821.4	7791.1 73,193.7 74,032.7 4,856.5	811.2 3,222.4 4,048.3
Components (not seasonally adjusted): Currency	188.8 294.3 254.3	289.0 274.4	211.3 290.0 279.9	214.9 298.8 283.7	211.8 290.5 283.7	211.9 275.7 277.6	214.0 275.8 278.3	215.2 283.2 286.0	216.7 273.3 270.1	218.5 276.4 271.4	219.7 281.5 272.4	219.3 276.7 ^r 273.4	218.7 275.9 276.2	219.0 280.3 277.8 772.9	r221.1 281.2 r281.8 r71.4	225.3 291.2 287.9 72.0
lars do	213.8 552.2 408.1 865.7 461.8	232.2 517.5 426.4 979.2	75.7 237.4 506.7 430.4 1,019.5 537.3	78.5 239.4 502.7 425.9 1,026.5 539.6	81.8 241.7 495.2 422.8 1,041.6 545.3	79.0 *247.2 485.3 418.7 1,054.4 552.4	77.4 255.5 480.3 418.4 1,065.1 560.2	74.5 259.3 471.3 414.0 1,082.0 564.1	73.5 7259.3 457.0 407.3 1,098.9 569.8	76.0 *265.3 456.9 406.6 1,112.4 569.7	77.6 *273.9 459.8 407.5 1,124.1 *568.3	74.9 *284.7 465.4 405.1 1,129.1 *569.1	72.3 *292.4 469.1 404.8 *1,129.9 *566.3	7298.4 473.0 407.4 71,133.4 7564.1	7306.5 7481.7 407.9 71,135.3 7562.6	309.1 486.5 406.5 1,137.2 556.9
Measures (seasonally adjusted): M1 do M2 do M3 do L (M3 plus other liquid assets)			786.6 3,059.5 73,898.3 74,635.6	790.3 3,069.6 73,915.6 74,672.3	786.3 3,065.9 3,920.2 r4,676.2	787.5 3,069.4 3,929.5 4,689.4	786.3 3,078.5 73,951.0 74,724.6	783.2 3,080.9 73,957.8 74,750.6	773.4 r3,072.6 r3,951.2 r4,747.1	770.3 r3,088.2 r3,966.9 r4,760.0	777.2 r3,116.8 r3,993.4 r4,792.0	777.4 r3,135.8 r3,999.6 r4,807.5	781.1 73,153.5 74,000.9 74,813.8	787.7 73,173.6 74,010.5 74,826.1	7789.6 73,195.7 74,027.5 4,847.9	797.4 3,215.9 4,039.7
Components (seasonally adjusted): .do Currency .do Demand deposits .do Other checkable deposits ‡‡ .do Savings deposits .do Small time deposits @ .do Large time deposits @ .do			210.5 287.7 281.0 431.8 1,017.8 534.4	211.8 288.6 282.3 431.3 1,025.2 537.8	213.4 284.0 281.3 427.8 1,035.7 544.4	214.3 284.8 280.9 424.6 1,048.3 551.6	215.6 284.3 279.1 420.8 1,061.0 558.8	216.0 281.4 278.5 412.8 1,083.1 567.7	216.5 278.2 271.4 404.7 1,105.7	217.3 275.0 270.7 402.0 1,118.5 "573.1	218.0 278.8 273.2 401.5 1,126.3 573.1	218.4 277.5 274.4 402.3 1,132.1 569.1	219.4 277.3 277.3 *404.3 *1,132.3	219.7 280.4 280.3 405.8 1,132.6 7560.7	"220.2 278.9 "283.0 "409.3 "1,133.1 "559.5	222.0 281.2 286.7 411.8 1,135.6 554.7
PROFITS AND DIVIDENDS (QTRLY.) Manufacturing corps. (Bureau of the Census): Net profits after taxes, all manufacturing	1115.599	154,583		37,410			38,302			36,546			33,717			
Food and kindred products	¹ 15,627 ¹ 1,891 ¹ 5,520 ¹ 16,559 ¹ 10,900 ¹ 2,911	20,671 1,560 8,081 23,651 21,225 2,453		4,751 377 1,911 5,561 6,039 556			3,668 387 1,979 6,873 5,658			4,016 499 2,022 6,800 3,822 779			3,443 406 1,850 6,285 4,733 844			
Primary nonferrous metal do Primary iron and steel do Fabricated metal products do Machinery (except electrical) do Electrical and electronic equipment do	¹ 1,077 ¹ 1,356 ¹ 4,427 ¹ 10,203 ¹ 9,570	4,256 993 5,335 13,778 11,143		1,116 515 642 3,615 2,762			1,234 476 2,116 2,667 2,396			1,219 450 1,648 2,401 2,518			1,099 429			
Transportation equipment (except motor vehicles and equipment)	¹ 4,677 ¹ 10,647 ¹ 20,234	5,019 12,474 23,944		1,022 3,272 5,271			1,338 3,867 5,651			1,343 3,469 5,560			1,076 1,154 6,264			
Dividends paid (cash), all manu- facturingdo	¹ 49,512	57,064		16,509			16,521	***************************************		17,453			15,781			
SECURITIES ISSUED Securities and Exchange Commission: Estimated gross proceeds, totalmil. \$. By type of security: Bonds and notes, corporatedo Common stockdo	275,418 191,339 65,835	172,499 45,485	16,436 12,891 3,008	10,421 7,627 2,088	(2) (2) (2)											
Preferred stock .do By type of issuer:	268,909 46,172 8,229 19,943	224,490	527 16,426 3,136 244 478	10,221 1,066 1 185	(2) (2) (2) (2) (2)											
Transportation .do Communication .do Financial and real estate .do State and municipal issues (Bond Buyer): § I.ong-term .do Short-term .do	6,698 7,326 151,049 105,523 20,271	3,078 4,031 147,030 117,011 22,602	9,036 1,765	0 59 8,454 11,496 1,419	(2) (2) (2) (2) r7,208 r1,346	78,504 71,334	9,669	r8,423	8,153 7928	714,616 74,565	r9,672 r1,828	⁷ 10,599 ⁷ 5,451	'11,166 '1,455	r9,856	r9,874 r716	12,808 1,061
SECURITY MARKETS Stock Market Customer Financing Margin credit at broker-dealers, end of year																
or month mil \$. Free credit balances at brokers, end of year or month: Margin-account do Cash-account do Bonds	31,990 4,750 15,640	32,740 5,660 16,595	4,920 15,185	32,740 5,660 16,595	5,790 15,705	5,605 16,195	5,345 16,045	5,450 16,125	5,250 15,965	6,900 19,080	34,360 5,420 16,345	33,940 5,580 16,015	5,680 15,310	35,110 6,006 16,340	5,815 16,345	34,320 7,040 18,505
Prices: Standard & Poor's Corporation, domestic municipal (15 bonds)dol. per \$100 bond Sales:	62.7	62.0	62.6	62.9	65.0	64.3	63.2	64.2	66.0	68.2	68.2	67.3	65.8	66.2	66.9	67.9
New York Stock Exchange, exclusive of some stopped sales, face value, totalmil. \$ See footnotes at end of tables.	9,726.24	7,701.39	610.58	640.57	632.13	558.88	591.39	553.49	734.37	878.24	712.42	805.75	769.80	925.98	829.83	844.00

S-16			SURV	VEY ()F CU	RREN	TBU	SINE	SS						Janua	ry 1990
Unless otherwise stated in footnotes below, data through 1986 and	Ann	ıual	198	88						198	89					
methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	ئـــــــــــــــــــــــــــــــــــــ					. ~ .				1	1					
				FI	NANCE	Cont	inued			-	-					
BondsContinued			ļ							j			}			
Yields: Domestic corporate (Moody's)percent	9.91	10.18	9.91	10.03	10.05	10.05	10.18	10.14	9.95	9.50	9.34	9.36	9.41	9.34	9.32	9.30
By rating:			li							1			ļ			
Aaado Aado	9.38 9.68	9.71 9.94	9.45 9.72	9.57 9.81	9.62 9.81	9.64 9.83	9.80 9.98	9.79 9.94	9.57 9.75	9.10 9.29	8.93 9.14	8.96 9.14	9.01 9.23	8.92 9.19	8.89 9.14	8.86 9.11
Adododo	9.99 10.58	10.24 10.83	9.99 10.48	10.11 10.65	10.10 10.65	10.13 10.61	10.26 10.67	10.20 10.61	10.00 10.46	9.59 10.03	9.42 9.87	9.45 9.88	9.51 9.91	9.44 9.81	$\frac{9.42}{9.81}$	9.39 9.82
By group:			0.00	10.04	10.00	10.00	10.10	10.10	0.07	0.51	0.04	0.05	0.00	0.91	0.00	0.00
Industrialsdo Public utilitiesdo	9.83 9.98	9.91 10.45	9.93 9.89	10.04 10.02	10.08 10.02	10.08 10.02	10.19 10.16	10.13 10.14	9.97 9.92	9.51 9.49	9.34 9.34	9.35 9.37	9.39 9.43	9.31 9.37	9.30 9.33	9.28 9.31
Railroadsdo	9.63	10.03	10.00	10.06	10.04	10.05	10.19	10.27	10.31	10.17	110.05		······			
Domestic municipal: Bond Buyer (20 bonds)dodo	7.69	7.66	7.66	7.50	7.29	7.56	7.64	7.40	7.15	7.02	6.86	7.16	7.40	7.24	7.04	6.97
Standard & Poor's Corp. (15 bonds)do	7.73	7.74	7.58	7.66	7.41	7.47	7.61	7.49	7.25	6.97	6.97	7.08	7.27	7.22	7.13	7.01
U.S. Treasury bonds, taxable ‡ do	8.64	8.98	9.07	9.13	9.07	9.16	9.33	9.18	8.95	8.40	8.19	8.26	8.31	8.15	8.03	8.02
Stocks	<u> </u>							ĺ						•	i	
Prices: Dow Jones averages (65 stocks)	849.46	772.17	796.20	817.30	851.45	880.52	866.99	897.32	932.47	955.80	990.60	1,065.83	1,078.40	1,049.44	1,004.41	1,029.12
Industrial (30 stocks) Public utility (15 stocks)	2,275.99 201.70	2,060.82 179.74	2,099.04 184.12	2,148.58 185.15	2,234.68 188.88	2,304.30 186.64	2,283.11 182.81	2,348.91 187.98	2,439.55 196.29	2,494.90 206.72	2,554.03 215.52 1,223.05	2,691.11 218.08	2,693.41 215.95	2,692.01 216.64	2,642.49 221.02	2,728.47 232.05
Transportation (20 stocks)	929.19	863.83	916.21	955.39	1,009.31	1,073.18	1,046.32	1,098.04	1,139.83	1,158.90	1,223.05	1,407.13	1,462.67	1,342.02	1,188.12	1,182.98
Standard & Poor's Corporation: § Combined index (500 Stocks)1941-43=10	286.83	265.79	271.02	276.51	285.41	294.01	292.71	302.25	313.93	323.73	331.93	346.61	347.33	347.40	340.22	348.57 398.43
Industrial, total (400 Stocks) #do Capital goodsdo	330.90 288.23	306.68 252.83	311.84 247.36	319.07 253.87	330.17 262.80	339.70 273.90	337.74 262.31	348.47 265.71	360.88 274.71	370.36 279.47	379.45 282.04	396.63 296.33	397.08 294.62	396.34 288.65	388.11 277.78	286.06
Consumer goodsdo Utilities (40 Stocks)do	323.77 112.70	305.95 108.74	324.78 111.70	331.12 113.02	339.49 114.37	353.53 116.88	352.18 116.65	368.61 119.91	386.24 127.74	399.70 133.50	411.63 137.22	434.05 140.47	430.76 140.98	439.31 142.71	430.31 143.37	432.27 152.18
Transportation (20 Stocks) 1982=100 Railroads	228.91	209.02	216.97	225.63	237.65	251.42	245.69	250.63	262.59	268.10	276.07	307.44	315.42	297.89	272.41 198.92	276.07
Financial (40 Stocks)	166.90 28.15	158.73 24.09	164.74 24.85	171.25 24.79	178.57 25.51	187.76 26.68	185.35 26.96	182.19 28.31	194.13 29.10	198.07 30.85	197.89 31.70	211.31 33.16	215.45 33.24	208.51 33.76	32.48	209.58 31.14
Money center banks1941-43=10 Major regional banksdodo	112.03 109.54	92.05 103.22	98.23 107.34	98.74 103.82	99.73 104.72	104.23 109.91	104.67 109.29	113.23 113.96	114.86 121.88	122.57 129.20	122.12 132.01	127.09 136.60	125.45 135.63	130.47 132.49	117.79 123.77	111.50 116.75
Property-Casualty Insurancedo	311.50	271.62	268.26	266.65	274.49	288.70	295.79	307.82		316.61	321.65	344.12	345.97	364.37	381.59	373.23
N.Y. Stock Exchange common stock indexes: Composite12/31/65=50	161.70	149.91	152.67	155.35	160.40	165.08	164.60	169.38	175.30	180.76	185.15	192.94	193.02	192.49	188.50	192.67
Industrialdododo	195.31 140.39	180.95 134.12	183.79 138.60	187.75 144.07	194.62 153.09	200.00 162.66	199.20 160.14	204.81 164.32	211.51 168.89	216.75 173.47	221.74 179.32	231.32	230.86 202.02	229.40 190.36	224.38 174.26	230.12 177.25
Utilitydo	74.30 146.48	71.77 127.26	73.83 129.61	74.81 128.83	75.87 132.26	77.84 137.19	77.66 137.91	79.72 143.26	84.07	87.90 154.09	90.40 157.78	92.90 164.86	93.44 165.51	94.67 166.55	94.95 160.89	99.73 155.63
Financedo NASDAQ over-the-counter price indexes:	140.40	121.40	125.01	120.00	102.20	101.13	131.31	140.20	140.55	154.05	191.10	104.00	105.51			
Composite	402.74 422.72	374.43 379.49	372.89 365.82	375.78 371.11	389.32 385.71	404.08 399.80	403.99 396.74	417.13 409.76	435.99 431.81	447.61 437.84	446.70 434.03	461.83 448.47	469.28 455.01	469.68 455.91	454.70 441.63	449.01 440.00
Industrialdo	425.25 464.95	408.17 444.14	426.82 440.91	425.34 436.45	441.91 446.01	461.07 458.87	469.40 457.58	480.35 457.31	483.04 460.50	503.78 475.70	513.43 472.14	535.62 484.22	533.04 485.08	538.37 460.01	546.07 427.08	547.35 395.94
NASDAQ/NMS composite7/10/84=100 Industrialdo	172.49 161.06	161.95 146.78	161.60 141.76	163.15 144.24	169.07 149.98	175.62 155.66	175.67 154.51	181.71 159.95	190.19 168.95	195.38 171.32	195.04 169.85	201.86 175.63	205.14 178.19	205.35 178.64	198.82 173.11	196.47 172.83
Yields (Standard & Poor's Corp.):	101.00	140.10	141.70	144.24	143.30	155.00	104.01	100.00	100.55	111.02	105.05	110.00	110.13	110.04	110.11	112.00
Composite (500 stocks)percentdo	3.08 2.62	3.64 3.14	$\frac{3.70}{3.22}$	3.68 3.19	3.64 3.14	3.59 3.10	$\frac{3.68}{3.18}$	3.59 3.10	3.52 3.06	3.44 3.01	3.38 2.97	3.28 2.86	3.29 2.88	3.29 2.89	3.39 2.98	}
Utilities (40 stocks)dododododododododododo	6.52 2.20	7.08 2.48	7.04 2.43	6.98 2.34	6.99 2.41	6.92 2.17	7.06 2.24	6.95 2.21		6.35 2.04	6.20 1.98	6.11 1.93	6.05 1.88	5.95 2.02	5.93 2.32	
Financial (40 stocks)do	3.60	4.34	4.16	4.26	4.15	4.03	4.07	3.90	3.85	3.64	3.58	3.42	3.44	3,39	3.57	
Preferred stocks, 10 high-grade do Sales:	8.37	9.24	9.36	9.38	9.31	9.31	9.43	9.50	9.32	8.96	8.81	8.75	8.82	8.85	8.73	8.75
Total on all registered exchanges (SEC):	2.284.166	1,584,106	120,360	117,060	122,524	143,957	148,021	136,598	157,168	178,088	144,776	190,751	153,234	185,652	136,342	(
Market valuemil. \$ Shares soldmillions.	63,771	52,474	73,810		4,049	4,675	4,530	4,115		4,967	4,141	5,146	4,416	4,889	4,064	
On New York Stock Exchange: Market valuemil. \$mil. \$	1,983,311	1,377,711	103,902	100,228	102,736	124,800	126,697	116,894	133,978	153,329	122,567	164,536	129,727	161,383	115,042	
Shares sold (cleared or set- tled)millions.	53,038	44,018	3,162	3,222	3,264	3,909	3,694	3,356	3,887	4,092	3,283	4,242	3,517	4,022	3,217	
New York Stock Exchange: Exclusive of odd-lot stock sales	, , , , , ,	, , , , , , ,								6.00-		6010	0.00=	, , , , ,	0.000	0.01
(sales effected)millions. NASDAQ over-the-counter:	47,801	40,850	2,823	2,845	3,532	3,217	3,503	3,238		3,967	3,250	3,948	3,035	4,013	3,032	3,214
Market valuemil. \$. Shares soldmillions	498,301 37,890	347,089 31,070	25,017 2,287	25,761 2,488	33,475 2,716	30,227 2,532	33,452 2,883	32,232 2,666		41,572 3,029	33,680 2,502	39,575 3,031	34,690 2,626	45,016 3,166	31,814 2,538	34,645 2,760
Shares listed, NYSE, end of period: Market value, all listed sharesbil. \$.	2,216.31				2,609.24	ŀ									2,969.05	3,029.65
Number of shares listedmillions.	71,802	76,093			76,603	76,836	77,521	77,767	78,381	79,117	79,462		79,969		81,925	
			FORE	IGN TR	ADE O	F THE	UNITE	D STAT	res							
WALLED ON THE COLUMN	1	<u> </u>									Ĭ	1				
VALUE OF EXPORTS Exports (mdse.), incl. reexports,	1					-								ĺ		
total @mil. \$ Seasonally adjusted †dodo	254,121.9	322,426.4	27,565.2 27,538.0		27,294.6 28,980.1		33,130.8 30,064.5			31,536.9 31,285.8				r31,906.1 r31,034.4	30,169.8	
Western Europe *dodo	69,717.7	87,857.7	7,204.4	8,239.5	7,330.7	28,839.1 7,688.7	9,606.4	8,620.9		8,314.7	7,961.7	7,533.0	8,835.8	8,870.2	8,351.5	
European Economic Community *do Belgium and Luxembourg *do	60,575.0	75,755.3	6,254.3 640.2		6,417.6 660.9	6,801.2 616.9	8,223.3 761.8	7,372.8 759.8	7,322.3 834.0	7,216.5 721.5	6,878.3 654.4	6,372.6 615.6	7,644.5 758.2		7,286.5	
Francedo	. 7,943.2	9,969.7	793.1	899.9	927.8	846.5	1,051.0	987.7	1,015.4	958.4	936.7	822.6	1,014.1	1,026.0 1,623.2	963.8	
Federal Republic of Germanydo Italydo	11,747.7 5,529.7	14,347.6 6,775.4	1,138.0 555.9	644.8	1,185.7 578.1	1,415.1 574.5	1,529.2 680.0	628.5	1,555.3 598.2	1,447.5 658.8	1,169.7 569.9	1,216.9 544.9	1,463.8 540.1	621.6	590.4	
Netherlands *do United Kingdomdo	8,216.7 14,113.9		921.8 1,509.6	1,018.8 1,633.7	839.2 1,406.3	848.4 1,602.3	1,123.2 2,137.9	918.1 1,848.7	946.8 1,629.0	965.4 1,643.9	801.4 2,093.6	819.6 1,556.0	1,274.5 1,713.5	920.6 1,744.3	957.2 1,813.1	
Eastern Europe *do	2,199.5		1		459.0		706.9		1	1	288.0	191.3	157.0	255.3	493.8	
Union of Soviet Socialist Republicsdo	1,479.8	2,768.9	259.4	272.8	373.9	461.9	623.0	459.8	442.0	405.0	228.8	134.5	90.4	179.3	426.4	
See footnotes at end of tables.	•	1		1	•	1	'	ı	1	I	r	1	1	1	1	I.

Suitury 1990			~~			1010121		~								
Unless otherwise stated in footnotes below, data through 1986 and Units methodological notes are as shown in Businsss Statistics: 1986	Anr 1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		FORE	IGN TI	RADE (F THE	UNITE	ED STA	TES—(Continu	led			<u> </u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>
VALUE OF EXPORTS—Continued																
Exports (mdse.), incl. reexports—Continued																
Western Hemisphere: Canada ♦mil. \$	59,814.3	71,622.0	6,307.2	5,517.8	6,086.0	6,484.8	7,248.8	7,006.6	7,417.6	6,958.0	5,147.7	6,228.5	6,404.1	⁷ 6,962.9	6.437.0	
Brazildododo	4,039.9 14,582.2	4,266.5 20,628.4	344.8 1,954.5	408.0 1,917.9	386.1 1,843.5	334.8 2,052.1	333.4 2,175.2	348.0 2,058.8	304.9	484.5 2,154.8	395.5	461.5	401.6	458.6 2,346.0	484.9	
Venezuelado	3,586.0	4,611.9	424.1	458.6	384.0	368.2	287.7	247.9	222.4	223.9		2,145.4 188.7	208.7	255.0	206.7	
Asia: China *do	3,497.3	5,021.4	449.3	583.9	385.9	499.2	581.8	404.4	471.0	355.2	644.7	703.7	456.2	555.8	306.6	
Hong Kong *do Japando	3,983.1 28,248.6	5,687.4 37,725.2	433.5 8,233.7	526.9 3,315.6	879.8 2,939.2	494.2 3,292.1	589.0 4,167.5	602.0 3,636.9		659.6 3,966.4	501.1 3,942.3	506.5 3,932.9	585.8 8,555.4	469.2 3,723.9	483.7 3.751.8	
Republic of Korea *dododo	8,098.7 3,373.4	11,231.8 3,776.1	861.5 332.5	1,156.5 319.9	932.5 342.5	998.9 294.5	1,186.4 334.7	1,009.0 302.6	1,158.2	1,302.5 275.4		1,087.5 251.1	1,170.6 282.7	1,110.0 286.8	1.120.4	
Singapore *	4,052.7 7,412.7	5,767.6 12,129.1	519.1 828.4	556.6 924.3	453.6 705.5	507.5 833.9	795.6 919.0	557.3 1,023.3	566.8	606.5 940.0	666.8	618.8 976.1	592.3 894.9	581.7 1,010.3	699.6	
Africa:						ł								Ĺ		
Nigeria *do Republic of South Africado	295.1 1,281.2	356.7 1,687.6	29.6 167.0	27.5 130.5	34.3 112.7	43.5 105.7	31.7 175.9	19.4 157.5	40.7 138.2	33.1 149.4	112,8 124.4	27.3 127.0	37.7 150.5	39.2 149.8		
Australia *do	5,494.8	6,972.9	640.2	813.5	551.9	608.8	689.2	616.9	681.5	690.7	714.7	799.7	909.7	813.2		
OPEC *do	11,058.1	18,994.8	1,240.8	1,326.0	1,164.5	1,154.0	1,124.5	1,108.8	1,101.4	974.5		920.6	993.8	1,098.1		
Exports of U.S. merchandise, total @do By commodity groups and principal	245,115.0	310,049.1	26,559.3	27,676.5	26,320.5	26,881.7	31,688.5	30,224.8	30,109.9	30,289.3	27,641.2	28,533.7	28,842.1	730,691.5	28,903.4	
commodities: Agricultural products, totaldo	28,636.2	37.046.6	3,470.9	3,510.7	3,357.0	3,469.7	4.040.2	3,421.1	3,314.1	3.048.8	2,966.2	2,768.2	3.011.8	3,392.2	3.654.8	·····
Nonagricultural products, totaldo Food and live animals #mil. \$	215,222.7 19.178.8	285,379.8 26,701.2	24,094.3 2,410.4	25,471.4 2,384.0	22,058.6 2,240.0	23,641.3 2,413.1	4,040.2 28,126.3 2,918.2	26,435.7 2,497.1	26,818.4 2,579.4	26,862.6 2,396.5	24,928.1	25,614.7 2,332.4	27,440.2 2,398.1	28,487.4 2,401.6	26,515.0	
Beverages and tobaccodo Crude materials, inedible, exc.	3,666.7	4,608.4	409.8	445.4	383.9	469.6	491.4	398.7	433.0	434.7	384,0	452.6	446.4	477.7		
fuels #	20,416.3 7,713.1	25,524.5 8,278.5	2,277.3 674.8	2,485.6 867.1	2,083.6 678.2	2,272.1 673.0	2,621.4 783.0	2,262.3 813.9	2,233.5 871.0	2,218.5 831.1	2,178.5 717.6	2,045.8 842.5	2,058.6 841.1	2,343.4 886.9	2,184.5	
Oils and fats, animal and vege-	981.4	1,538.4	114.7	116.3	99.6	115.0	127.8	105.7	105.1	93.2	109.0	124.4	165.3	113.2		
tabledo Chemicalsdo	26,380.9	32,644.5	2,635.7	2,801.9	2,561.0	2,860.9	3,231.2	3,328.0	3,406.5	3,364.9	3,111.4	3,067.5	2,992.5	2,943.0		
Manufactured goods classified chiefly by materialmil. \$	17,136.1	24,525.5	2,087.5	2,379.2	1,769.6	2,106.4	2,595.8	2,266.1	2,354.2	2,372.7	2,158.1	2,351.8	2,332.5	2,470.5		i
Miscellaneous manufactured articles *do	19,409.0	25,820.7	2,145.8	2,507.4	12,172.2	2,423.3	2,965.9	2,650.5	2,672.3	3,045.1	2,671.9	2,733.9	2,797.3	2,781.2		,
Machinery and transport equipment, totalmil. \$	108,596.0	142,375.4	12,039.3	13,129.2	10,102.1		13,788.9	12,839.1	12,583.6	12,797.5	1 7	11,965.8	13,212.1	13,508.6		
Machinery, total #dodo Transport equipment, totaldo	69,637.0 38,959.0	88,482.0 46,702.8	7,478.0	8,381.4 4,087.5												
Motor vehicles and partsdo	20,878.8	24,019.7	2,117.9	1,957.9	²1,744.0	2,049.2	2,260.2	2,143.3	2,124.2	2,038.4	1,403.5	1,668.5	1,944.8	2,171.5	2,080.5	
VALUE OF IMPORTS]					
General imports, total @do Seasonally adjusted †do	406,241.0	440,952.3	38,389.3 38,087.3	39,383.9 39,668.4	36,032.1 37,877.3	36,687.1 38,220.3	40,146.8 39,549.0	38,185.1 39,044.7	40,895.7 40,534.8	40,494.1 39,292.8	39,456.4 38,709.0	40,513.9 40,662.1		743,404.8 741,283.1	40,939.5 40,689.4	
Western Europe *do European Economic Community *do	95,496.1 81,188.0	100,442.8 84,938.5	8,900.3 7,464.6	9,490.7 8,028.1	7,284.2 6,071.8	8,313.1 6,772.5	9,209.7 7,721.1	8,389.4 6,985.3	8,667.3 7,212.9	8,539.3 7,172.0	8,811.5 7,466.5	8,249.7 7,146.1	7,660.7 6,397.4	9,330.7 7,780.4	9,092.5	
Belgium and Luxembourg *do Francedo	4,170.9 10,730.2	4,493.3 12,508.5	388.5 1,032.2	361.4 1,102.3	307.3 927.4	379.3 1,053.3	436.4 1,128.0	404.1 1,162.0	394.1 1.034.7	397.8 1,300.0	420.1 1,111.7	299.5 1,011.2	872.5 949.0	409.1 1,127.8	418.1	
Federal Republic of Germanydo Italydo	27,069.3 11,039.6	26,361.9 11,576.0	2,293.4 1,028.7	2,649.1 1,025.6	1,902.1 763.2	1,958.3 826.1	2,834.5 1,142.9	2,091.6 925.3	2,086.1 979.8	1,980.6 1,053.3	2,155.1	2,064.0 1,113.7	1,886.1 775.1	2,238.4 1,136.6	2,140.5	
Netherlands *	3,963.6 17,341.3	4,558.9 17,976.4	424.6 1,615.1	411.4 1,735.4	356.0 1,211.7	401.2 1,520.2	439.3 1,586.4	346.9 1,397.8	370.9 1,681.6	377.2 1,378.7	406.1 1,514.7	375.2 1,655.5	388.0 1,496.4	491.5 1,724.6	445.5	
Eastern Europe *dodo	1,922.6	2,162.6	173.6	233.4	203.3	159.6	204.2	153.3	1,081.0	190.2	186.0	166.7	168.9	173.8	164.7	
Union of Soviet Socialist Republicsdo	424.7	586.0	68.0	104.5	73.8	42.4	80.9	64.4	40.6	81.9	63.5	54.8	52.2	56.1	47.7	
Western Hemisphere: Canadamil. \$	71,085.0	81,397.9	7,122.0	6,476.8	7,891.3	7,295.8	7,636.2	7,483.2	8,138.8	7,506.6	5,619.1	7,393.0	7,014.8	7,794.9	7.680.9	
Brazildo Mexicodo	7,865.4 20,270.8	9,294.3 28,259.7	745.4 2,056.7	759.6 1,967.1	672.7 1,977.9	781.2 2,141.5	674.7 2,278.8	713.4 2,377.0	627.1 2,543.7	829.5 2,253.2	759.1 2,160.0	788.8 2,380.2	635.7 2,216.5	729.4 2,436.4	609.4	
Venezuelado	5,579.0	5,157.4	391.2	416.3	519.5	404.5	546.4	553.5	632.1	542.6	526.7	552.7	541.1	650.8	665.2	
Asia: China *do	6,293.5	8,510.9	798.8	818.2	787.7	823.3	668.6	727.7	982.6	1,016.6	1,154.9	1,283.7	1,183.0	1,338.4		
Hong Kong *do Japando	9,854.1 84,575.0	10,237.8 89,518.7	931.6 8,191.4	915.6 8,477.7	810.7 6,472.6	695.7 7,942.1	622.5 8,390.8	684.9 7,580.2	743.3 7,884.2	808.1 7,906.5	875.9 7,985.4	968.8 7,914.8	889.0 7,618.8	1,058.4 8,631.1	7,751.6	
Republic of Korea *do Saudi Arabia *do	16,986.9 4,483.1	20,105.1 5,620.2	1,682.6 363.7	1,937.4 590.5	1,613.0 562.6	1,488.5 568.4	1,613.3 512.5	1,553.6 623.7	1,661.2 587.6	1,699.0 630.7	584.5	1,754.6 654.4	1,691.5 564.8	1,782.1 534.8	674.3	
Singapore *do Taiwan *do	6,201.0 24,621.8	7,973.3 24,713.9	684.0 1,943.8	773.5 2,112.9	619.7 1,831.3	598.8 1,822.7	709.7 1,708.9	686.6 1,863.7	780.0 2,092.0	692.0 2,131.2	729.2 2,182.0	795.3 2,384.6	818.5 2,176.5	850.8 2,290.7	820.1 1,990.9	
Africa: Nigeria *do	3,573.4	3,278.5	180.3	269.6	359.3	813.8	828.2	404.7	523.4	490.6	653.0	483.6	492.7	330.5	453.2	
Republic of South Africado	1,845.5	1,512.9	142.6	119.8	121.5	145.5	128.6	129.0	140.2	136.1	111.6	123,1	130.6	123.6 380.2	132.9	******
Australia *do OPEC *do	3,007.2 23,953.1	8,541.8 22,962.2	314.1 1,715.9	274.3 1,984.3	296.8 2,288.9	271.6 1,997.6	307.8 2,216.4	309.4 2,458.0	326.7 2,900.6	332.0 2,640.4	840.5 2,789.4	311.2 2,817.9	317.0 2,489.5	2,595.7		
By commodity groups and principal commodities:	ĺ							,	,	,	'	·		,		
Petroleum and products *mil. \$ Nonpetroleum products *do	42,285.4 363,615.2	38,786.5 402,165.8	2,957.5 35,431.8	3,338.5 36,045.4	3,558.0 32,339.2	3,281.3 34,278.9	3,737.7 36,174.3	4,135.8 34,088.0	74,884.0	*4,294.9 *85,985.6	*4,364.2 *34,690.8	r4,899.2 r86,632.8	74,081.9 734,417.8	r4,409.1 r38,922.9	4,427.4	
Food and live animals #do	20,547.1	20,109.8	1,646.0	1,769.6	1,924.0	1,771.6	1,792.4	1,689.4	1,810.5	1,657.1	1,612.6	1,793.8	1,514.2	1,728.3	1,702.3	
Beverages and tobaccodo Crude materials, inedible, exc.	4,104.9	4,122.6	414.1	854.4	301.2	824.5	358.5	321.1	871.1	885.8	827.1	371.5	371.5	490.8		
fuels #do Mineral fuels, lubricants, etcdo	11,525.7 44,219.5	18,624.4 41,041.5	1,172.8 3,161.6	1,161.5 3,605.2	1,325.0 3,816.0	1,207.1 8,567.3	1,405.7 4,024.4	1,283.5 4,392.2	1,873.7 5,104.1	1,284.8 4,542.9	1,180.8 4,603.1	1,389.8 4,657.8	1,239.1 4,326.7	1,297.5 4,652.2		
Oils and fats, animal and vege- tabledo	568.1	887.5	100.0	86.5	44.7	62.2	69.0	38.3	62.4	80.1	59.8	64.8	48.9	68.7		
Chemicalsdo	16,213.4	19,559.7	1,583.5	1,706.2	1,819.6	1,723.2	1,923.2	1,704.2	1,738.0	1,776.2		1,723.0	1,584.8	1,857.4	1,735.4	
Manufactured goods classified chiefly by materialmil. \$	58,856.8	62,249.0	5,519.0	5,087.2	5,275.5	5,078.4	5,294.4	5,130.3	5,865.2	5,270.2	5,171.6	5,471.5	4,918.2	5,533.1	5,121.6	
Miscellaneous manufactured articles *do	65,183.1	69,748.9	6,015.9	5,987.5	5,409.0	5,616.5	5,675.0	5,375.6	6,081.4	6,626.7	7,157.9	7,543.4	6,865.8	7,702.3	6,750.1	
Machinery and transport	177,808.7	197,016.7	17,598.9	18,477.4	14,969.5	17,077.4	18,288.0	17,195.9	18,021.1	17,518.2	16,233.1	16,741.1	16,436.0	18,446.2		
Machinery, total #do Transport equipmentdo	99,432.9 78,375.8		10,870.8 7,178.8	7,588.4	9 E ARO ~	0.010		# 004 C	0 100 0	F 004 -	E 000 =	4 007 0	E 001			······
Motor vehicles and parts do	70,763.8	71,065.0	6,463.7	6,814.5	² 5,472.5	6,218.4	6,510.0	6,031.9	6,128.8	5,801.1	5,029.5	4,907.8	5,221.1	6,193.5	0,112.6	
See footnotes at end of tables.																

Unless otherwise stated in footnotes	Ann	ual	198	8						198	9	 ;				
below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		FORE	IGN TE	ADE C	F THE	UNITE	D STA	TES—C	Continu	ed						
Indexes							ļ						ĺ			
Exports of U.S. merchandise: Unit value @	158.6 127.0 201.4	169.6 149.8 254.1	175.8 145.1 255.0	176.3 159.0 280.4	174.0 144.6 251.7	172.5 155.7 268.5	175.5 181.5 318.6	174.6 169.4 295.7	175.6 169.9 298.4	176.6 167.7 296.2	177.2 155.9 276.2	(3) (3) (3)				
General imports: Unit value @	164.6 169.2 278.5	172.9 175.1 302.7	172.3 183.0 315.2	174.4 182.9 318.9	176.2 168.4 296.7	177.5 174.2 309.3	179.7 182.8 328.7	181.5 173.4 314.8	182.3 185.6 338.2	181.5 182.8 331.7	181.4 177.3 321.6	(3) (3) (3)				
Shipping Weight and Value	210.0	302.1	010.2	310.5	430.1	303.3	920.1	0.4.0	550.2	331,1	321.0	()		***************************************		***************************************
Waterborne trade: Exports (incl. reexports): Shipping weightthous. met. tons Valuemil. \$	324,125 99,011	361,173 125,782	29,230 10,690	34,266 11,995	29,117 10,672	28,962 11,721	34,760 13,277	33,036 12,564	34,284 12,756	34,563 11,957	29,061 11,989	30,188 11,736	23,165 8,878		······································	***************************************
General imports: Shipping weightthous. met. tons Valuemil. \$	427,913 245,030	464,606 254,766	39,856 21,453	43,501 23,213	38,364 19,959	36,814 21,015	39,414 22,283	38,573 21,372	44,918 23,426	41,664 23,109	44,013 24,113	44,960 23,835	40,768 21,667			
			TRANS	PORTA	ATION	AND CO	OMMU	NICATI	ON							
TRANSPORTATION		7												·		
Air Carriers Certificated route carriers:									}							
Passenger-miles (revenue) bil. Passenger-load factor percent. Ton-miles (revenue), total mil.	404.47 62.3 50,469	423.30 62.5 53,800	32.53 59.8 4,295	33.48 58.3 4,413	32.18 56.2 4,099	29.37 56.9 3,834	36.03 65.0 4,670	33.57 62.0 4,373	35.38 62.5 4,535	40.05 69.7 5,030	41.90 69.5 5,200	44.38 72.4 5,441	34.70 60.5 4,500	$\frac{61.9}{4,711}$		
Operating revenues (quarterly) # §mil. \$ Passenger revenuesdo Cargo revenuesdo	¹ 56,787 44,918 ¹ 6,434	163,633 150,296 17,478		16,030 12,474 2,017	•		16,385 12,768 2,199			17,632 13,803 2,142						
Mail revenuesdo Operating expenses (quarterly) §do Net income after taxes (quarterly) §do	924 154,339 465	1972 160,136 11,785		269 15,495 240			236 16,075 -189			237 16,497 577						
Domestic operations: Passenger-miles (revenue)	324.69 4,340 1,313	329.31 4,843 1,367	25.85 426 113	26.22 413 169	24,85 363 112	23.28 368 107	28.45 431 125	26.10 411 114	26.94 418 110	29.93 420 109	30.93 404 101	32.97 420 114	25.42 424 109	27.64 453 114		•••••••••••
Operating revenues (quarterly) §mil. \$ Operating expenses (quarterly) §do Net income after taxes (quarterly) §do	¹ 45,658 ¹ 43,925 ¹ 66	¹ 50,052 ¹ 47,562 ¹ 1,027		12,744 12,243 162			$^{13,160}_{12,761}_{-12}$			13,977 12,823 615						
International operations: Passenger-miles (revenue) bil. Cargo ton-miles mil Mail ton-milesdo.	79.83 13,921 443	93.99 4,789 470	6.67 457 46	7.26 423 61	7.33 371 36	5.99 389 35	7.58 470 41	7.48 451 39	8.44 432 38	10.12 457 38	10.97 467 38	11.41 427 41	9.28 461 36	489		
Operating revenues (quarterly) §mil. § Operating expenses (quarterly) §do. Net income after taxes (quarterly) §do	10,925 10,226 1307	¹ 13,332 ¹ 12,361 ¹ 720		3,233 3,201 77			3,210 3,296 —176			3,640 3,657 -38						
Urban Transit Industry Passengers carried, total ††	8,766	8,950	764	740	709	720	753	785	756	764	688	760	734		,	
Carriers of property, large, class I, qtrly.: Number of reporting carriers Operating revenues, totalmil. \$.	100	100		100 4,964			100 4,715			100						
Net income, after extraordinary and prior period charges and creditsmil. \$. Tonnage hauled (revenue), common and contract carrier servicemil. tons	¹ 297	¹ 464		127 45			4,715 80 41			135 43			l			
Freight carried—volume indexes, class I and II intercity truck tonnage (ATA): Common carriers of general freight,					155.0	1000		1500	150.5		150.6			100.9	°165.2	
seas. adj	. 163,8	177.2	178.1	178.3	177.6	169.2	166.7	172.2	172.7	172.5	158.6	169.0	r164.3	168.3	105.2	
Financial operations, quarterly (AAR), excluding Amtrak: Operating revenues, total #mil. \$. Freightdo.	. 26,623 25,798	¹ 27,979 ¹ 27,135		7,107 6,886			6,996 6,779			7,105	•••••		6,864			
Passenger, excl. Amtrak do Operating expenses do Net railway operating income do Ordinary income † do	95 23,881 1,752 1,989	24,883 11.961		6,281 490 715			6,265 443 507			6,205 593 635			5,886 673 578			
Traffic: Revenue ton-miles, qtrly. (AAR) bil. Price index for railroad freight12/84=100	943.7	71,000.4 104.8	l	⁷ 254.0 105.4	105.8	105.9	249.2 105.9	106.0	106.0	^r 254.6 106.3	106.9	106.8	251.1 106.7	106.7	106.9	248.4 106.9
Travel Lodging industry:					l											
Restaurant sales indexsame month 1967=100. Hotels: Average room sale \(\)	223 82.58 68 47.79	236 85.12 66 45.88	222 88.54 66 43.62		58 44.17	68 48.15	252 89.43 70 49.22	240 89.88 72 47.80	46.32	272 85.12 71 47.36	262 79.01 68 48.66	217 80.73 72 47.74	245 86.38 69 44.21	······		
Rooms occupied	. 32.87 64	40.62 65	33,32 56	35.03	35.31 53	39.15	72 39.32 65	39.05 67	38.01 69	72 40.80 77	75 40.25 80	75 40.16 79	63 37.43 67			
Foreign travel: U.S. citizens: Arrivals (quarterly)thous. Departures (quarterly)dodo Aliens: Arrivals (quarterly)dodo	. ¹ 17,005 . ¹ 16,425 . ¹ 11,639	¹ 17,583 ¹ 17,209 ¹ 13,804		3,829 3,943 3,247			4,189 3,763 3,166			4,504 4,682 3,654	² 1,902 ² 1,850 ² 1,709					
Departures (quarterly)dodo Passports issueddodo National parks, recreation visits ##do	10,239 4,872 55,782	¹ 12,211 4,061	233 2,241	2,939	283 1,516	J	2,830 424 2,828	375 3,081	416 r5,044	3,158 396 77,722	² 1,281 300 ⁷ 10,252	289 *10,019	230 r6,525	232 *4,865	1	197 1,254
See footnotes at end of tables.	-															

January 1990			SUR	VEY (OF CU	RREN	IT BU	SINE	SS							S-19
Unless otherwise stated in footnotes below, data through 1986 and	Ann	ual	19:	88						19	89					
methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		TRAN	SPORT	ATION	AND C	COMMU	NICAT	ION-	Continu	ied						
COMMUNICATION																
Telephone carriers: \$\(\) Operating revenues # mil. \$. Station revenues # do Tolls, message do Operating expenses (excluding taxes). do Net operating income (after taxes). do. Access lines . mil.	74,657 31,669 9,171 50,384 13,370															
	<u> </u>															
	ſ		CHE	MICAI	LS AND	ALLIE	DPRU	DUCT	<u>, </u>				J	r		_
CHEMICALS									1							
Inorganic Chemicals Production:	}								}							
Aluminum sulfate, commercial (17% Al₂O₃) thous. sh. tons Chlorine gas (100% Cl₂)	1,264 11,019 2,869 344 11,486 952 813	1,274 11,329 2,568 352 11,983 748 789	98 966 221 29 1,022 66 65	105 (3) 233 30 (3) (3) (65)	91 974 227 30 1,039 64 71	89 946 222 26 997 88 64	109 955 238 31 1,028 68 68	97 972 221 29 1,023 74 66	102 930 249 31 988 71 67	107 910 243 32 972 71	104 949 241 32 1,031 72 64	114 913 241 31 985 77 62	103 	105 942 225 31 1,008 82 64	198 866 250 31 934 74 58	
Sodium tripolyphosphate (100% NasPoys) do Titanium dioxide (composite and pure) do	586 968	551 1,026	47 86	45 91	49 93	46 92	49 87	46 96	55 92	50 93	50 97	47 92	50 92	49 96	44	
Sulfur, native (Frasch) and recovered: Productionthous.met. tons Stocks (producers') end of perioddo Inorganic Fertilizer Materials	¹ 9,363 2,316	19,450 1,112	816 1,210	931 1,112	935 1,101	794 1,122	925 1,159	902 1,252	908 1,310	891 1,387	893 1,498	868 1,483	819 1,500	r836 1,492	808 1,383	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	716,098 6,547 2,189 7,225 2,385 710,619 739,256	716,821 77,504 72,333 77,991 72,902 711,677 742,141 16,858 879	71,391 7656 207 7670 7259 7966 73,646	71,510 7695 210 7724 7282 71,074 73,890 1,604 879	1,529 687 201 726 263 1,007 3,790 1,592 860	1,342 612 188 660 243 936 3,496	1,494 675 199 715 258 1,045 3,821	1,471 673 207 701 261 966 3,659	1,505 684 206 714 269 965 3,687	1,433 628 200 666 245 869 3,291 1,366 1,011	1,380 600 198 640 247 927 3,504	1,268 573 195 616 204 971 3,691	1,292 564 191 593 228 958 3,541 1,429 769	1,390 637 194 661 250 1,012 3,716	1,409 613 200 668 223 980 3,612 1,540	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	6,204 279 259 6,613 93	75,705 267 337 6,796 131	16 40 586 (2)	548 44 32 558 8	579 440 423 4710 411	344 46 6 396 14	401 37 53 541 14	731 46 48 659 11	637 38 30 427 21	238 46 14 261 22	256 21 9 89 2	826 529 29 19 472 12	24 16 495 6	489 29 48 558 (²)	414 26 21 460 13	
Industrial Gases Production:									}	.	Ì					
Acetylenemil. cu. ft Hydrogen (high and low purity)	5,284 149,217 675,843 402,644	4,948 143,819 719,371 448,695	446 11,849 58,607 38,022	484 11,209 61,382 39,353	444 10,498 61,071 38,522	425 10,955 57,539 36,668	480 11,554 63,163 39,735	450 11,145 61,005 37,721	347 11,214 62,200 40,190	381 12,377 58,734 39,158	343 11,607 61,434 38,801	422 11,773 62,645 38,177	7460 711,421 761,174 736,301	63,520		
Production: Acetylsalicylic acid (aspirin)thous. met. tons Ethyl acetatedo	¹ 10.9 ¹ 97.1 ¹ 2,600.5 276.4 ¹ 3,418.2 469.6	¹ 10.8 ¹ 115.3 ¹ 2,848.8 281.7 ¹ 3,692.8 ¹ 452.9		2.0 32.5 786.3 19.4 950.4 132.4	27.7	20.9	⁵ 2.4 ⁵ 34.0 ⁵ 731.0 24.9 ⁵ 752.1 ⁵ 130.0	24.0	28.5	2.4 31.8 740.6 22.0 901.6 130.3	23.4	23.1	1.8 31.3 715.7 25.7 874.8 122.2	27.2	26.2	
Ethyl alcohol and spirits: Production	730.3 43.4 442.5 460.8 208.3 9.7	7777.3 39.7 7463.5 7469.7 216.0 9.2	69.7 36.3 38.2 36.9 18.1 7.4	67.8 39.7 42.2 39.7 17.2 9.2	82.2 45.0 38.1 37.8 17.0 9.1	69.8 48.1 38.9 38.0 13.3 8.8	68.9 46.2 43.4 42.1 12.8 9.2	68.6 43.4 84.5 36.3 14.4 7.6	79.3 45.7 47.7 45.8 17.1 9.3	76.1 39.7 44.6 45.6 16.5 9.8	77.6 44.9 39.0 39.9 14.5 7.9	81.0 40.5 44.5 40.9 15.8 8.8	89.0 42.5 45.8 41.3 16.7 13.2			
See footnotes at end of tables.				·	. ,	· ·	,	·	•		,					

-20		,		VEYC	JF CU	UTTN	IBU	ÖΠΛής			<u> </u>				Janua	ry I
Unless otherwise stated in footnotes below, data through 1986 and nethodological notes are as shown in Business Statistics: 1986	Anr 1987	1988	Nov.	BB Dec.	Jan.	Feb.	Mer.	Apr.	Мау	June June	July	Aug.	Sept.	Oct.	Nov.	De
		CH	EMICA	LS ANI	D ALLI	ED PR	ODUCT	S—Cor	tinued							
DI ACRICC AND DECIN MAREDIALC	- "															Π
PLASTICS AND RESIN MATERIALS duction:					ĺ			1							i	
Phenolic resinsthous. met. tons Polyethylene and copolymersthous. met. tons	² 769.8 ¹ 7,881.0			2,156.1			12.004.6			1.898.4			1.918.2			
olypropylenedo Olystyrene and copolymersdo	¹ 3,164.8 ² 3,757.0	3,291.6		764.8			1759.7			789.8			707.7			
olyvinyl chloride and copolymersdo	18,782.0	18,895.5		1,058.5						1,031.5						
PAINTS, VARNISH, AND LACQUER ‡	,					: {	}	Í	. }	}					į.	
al shipmentsmil. \$do	10,167.6 4,245.4	4.372.1	819.7 300.6	751.5 281.2	820.5 309.4	841.3 317.7	952.6 387.3	985.7 399.1	1,072.7 464.4	1,091.5 464.8	965.9 431.0	1,114.4 484.2	1,019.7 414.4	995.9 399.0	934.9 361.1)
rchitectural coatingsdodododododododododododododododododo	3,782.5 2,139.7	4,062.9 2,281.1	344.7 174.4	314.7 155.5	344.5 166.6	359.3 164.4	369.3 196.0	372.6 213.9	382.0 226.2	393.2 233.5	319.8 215.1	381.6 248.7	380.8 224.5	379.5 217.4	361.6 212.1	3
Postar pur post constant	2,10011	2,201,11	2,2,2			OWER				200,0						
ELECTRIC POWER						., 220										
duction:	0 550 105	0 501 001	000 004	200 550	204 242	210.000	000 400	205 540	010 000		07074	252.005	200 201		i	1
lectric utilities, totalmil. kwhr By fuelsdo	2,572,127 2,322,432	2,701,624 2,478,686	209,394 190,928	232,550 212,637	231,343 211,378	200,447	226,436 203,794	207,749 183,674	219,803 191,771	235,397 209,515	256,744 234,074	238,148	226,861 207,938	,	ļ	
By waterpowerdo es to ultimate customers, total (Edison	249,695	222,938	18,466	19,913	19,965	18,620	22,642	24,075	28,033	25,881	22,670	20,187	18,923			-
Electric Institute) \(\)mil. kwhr ommercial \(\)do	2,435,483 658,445			614,775 167,127			648,311 169,383			611,983 170,802			708,773 203 271			
ndustrial §do	843,709	880,947		221,204	• • • • • • • • • • • • • • • • • • • •		217,772			225,488			233,394		}	-
ailways and railroadsdododo	4,898 846,457	5,110 885,146		1,294 203,879			1,358 238,476			1,233 193,532			1,273 250,044			
treet and highway lightingdo	14,386	14,537		3,881			3,758			3,347			3,486		ļ	
treet and highway lightingdo ther public authoritiesdo nterdepartmentaldo	63,047 4,541	4,392		16,150 1,239			990			1,141			1,241			
enue from sales to ultimate customers Edison Electric Institute)																

January 1990				 	Jr CO	ICICIAL	11 100	SINE	3 0							5-21
Unless otherwise stated in footnotes below, data through 1986 and units methodological notes are as shown in BUSINESS STATISTICS: 1986	1987	ua) 1988	Nev.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	• · · · · · · · · · · · · · · · · · · ·	FOOD	AND K	INDRE	D PRO	DUCTS	; TOBA	CCO-	Contin	ued		L			L	L
DAIRY PRODUCTS																
Butter: Production (factory)	1,104.1 143.2 95.3	1,207.5 214.7 *90.8	95.6 226.2 92.1	112.0 214.7 92.1	129.0 246.6 89.1	124.7 314.4 88.6	135.7 341.9 88.5	124.7 379.1 88.5	122.5 438.3 88.5	95.3 464.2 88.5	72.2 461.0 88.3	80.1 439.2 90.5	82.1 407.6 89.1	92.7 r370.4 85.7	93.6 294.1 85.7	
Cheese: Production (factory), total mil. lb. American, whole milk do Stocks, cold storage, end of period do American, whole milk do Imports thous. met. tons. Price, wholesale, cheddar, single daisies	5,844.2 2,716.7 457.1 367.4 120.2	5,571.6 2,756.6 388.1 283.4 114.6	458.9 214.5 366.7 260.8 12.6	486.5 285.0 388.1 283.4 12.2	456.6 225.6 395.3 283.8 ''7.4	419.5 208.7 402.3 290.9 6.9	488.4 231.9 394.7 283.8 8.7	472.6 236.2 405.1 288.1 8.0	494.9 247.0 423.1 307.3 8.2	485.5 240.0 429.6 309.1 8.8	464.6 226.8 427.0 308.7 10.2	460.4 214.0 418.1 300.5 12.3	447.2 200.3 367.2 268.4 12.9	453.0 206.8 7327.2 7246.0 13.3	454.2 210.2 328.4 233.0 14.5	322.3 229.5
(Chicago)	(°) 579.7	588.7	42.2	45.6	1		49.0	47.7	47.0	48.6	42.5	42.0	37.8	37.3		
period	31.8 2.4 121,294	44.1 3.5 123,896	51.5 1.0 9,790	44.1 .1 10,251	59.4 11.2 10,476	75.1 2.5 9,839	85.2 1.9 10,860	90.5 3.1 10,770	102.6 1.2 11,095	117.5 1.4 10,435	116.5 1.6 10,293	116.7 .5 10,135	98.7 .5 r9,754	69.7 .3 9,918	42.8 .3 r9,698	
Utilization in manufactured dairy products	84,720 12.53	85,072 12.22	6,425 13.40	6,948 13.50	7,189 13.40	6,878 13.10	7,866 12.70	7,654 12.30	8,075 12.20	7,553 12.80	6,851 12.60	6,970 13.20	6,505 14.00	6,525 14.70	6,430 r15.50	₽15.90
Dry whole milk	145.9 1,056.8 8.0	172.3 978.5 12.8	12.9 54.3 10.8	14.2 75.8 12.8	15.3 87.1 12.9	13.9 85.6 10.9	13.5 95.7 10.1	14.3 99.8 11.7	14.1 99.8 10.1	13.9 81.0 10.9	12.7 60.8 9.0	14.5 53.9 8.9	13.9 46.3 6.2	17.6 48.0 8.0	16.6 50.8 10.0	
Nonfat dry milk (human food)do	65.1 175.9 .798	45.1 153.1 .773	39.1 13.3 .841	45.1 14.6 .849	60.4 116.0	79.8 8.0 .841	84.6 16.2 .816	97.9 17.9 .828	98.4 17.5 .834	77.5 24.9 .854	66.7 18.9 .908	56.9 20.3	44.6 14.7 1.064	36.1 4.6 1.220	32.4 6.7 1.410	
GRAIN AND GRAIN PRODUCTS Exports (barley, corn, oats, rye, wheat)mil. bumil. bu	2,920.4	3,448.3	246.6	295.4	(12)	.041	.010	.020	.004	.002		.010	1,001	1.220	1.410	
Barley: Production (crop estimate)mil. met. tons Stocks (domestic), end of period, total	**211.354 **67.322 **4.221 **63.101	*26.314 *78.102 *73.973 *74.129	r8.102 r3.973 4.129			713 6.109 713 2.684 13 3.426			*4.276 *41.840 *42.436			79.078 5.516 73.562			7.689 4.092 3.597	
Exports, including malt \$thous. met. tons. Producer Price Index, No. 2 feed, Minneapolis	8,114.5 1085.7	2,244.4 *110.4	68.4 117.5	336.1 110.2	²¹ 6.4 114.9	6.9 118.6	47.9 130.1	308.6 132.2	223.8 130.6	171.4 106.6	225.7 117.5	213.1 114.9	192.6 112.3	110.9 112.8	110.4 109.7	114.9
Production (crop estimate, grain only)mil. met. tonsmil. met. tonsstocks (domestic), end of period, totaldodoOn farmsdooff farmsdododododododo	72 181.14 72 248.19 7154.95 793.25 40.81	7108.72 770.90	179.63 108.72 70.90		114.46	¹³ 132.19 ¹³ 76.74 ¹³ 55.45	5.16	4 5 7	³ 86.85 ³ 51.36 ³ 35.49	eE 60	3,39	^{r2} 49.04 ¹ 24.58 ¹ 24.46	2.90	4.45	179.82 119.36 60.46 7.47	*************
Producer Price Index, No. 2, Chicago1982=100 Oats: Production (crop estimate)mil. met. tons	67.7 25.424	46.32 *97.1 *23.158	3.79 104.2	4.38 106.4	113.0	3.94 108.7	5.17 111.6	4.51 106.9	5.38	°5.68 103.1	102.4	2.72 94.8	94.7	91.8	95.9	94.2 \$5.425
Stocks (domestic), end of period, total	*1.927 *1.499 *.427 30,213	61.626 61.116 5.510 29,989	2,420	994	113,212	2,676	14,769	4,402	61.427 6.870 6.557 6,436	2,353	5,064	3,138	4,798	6,597	2,519	
Producer Price Index, No. 2, Minneapolis 1982=100 Rice: Production (crop estimate)mil. met. tons	25.879	\$135.4 *27.253	143.2	142.6		133.4	131.8	118.1	117.0	104.9	92.5	85.3	84.5	82.4	87.4	
Southern States mills: Receipts, rough, from producersmil. lb. Shipments from mills, milled ricedo Stocks, domestic, rough and cleaned (cleaned	9,533 7,791	8,985 6,722	640 633	614 775	784 609	957 656	997 855	1,037 705	631 749	516 780	428 616	538 476	3,858 667	1,652 737		
basis), end of periodmil. lb. Exportsthous. met. tons. Producer Price Index, medium grain, milled	2,689 2,380 83.3	2,011 2,199 *112.6	2,397 238 104.4	2,011 274 103.9	2,059 ''281 103.9	2,056 212 103.9	1,884 308 104.2	1,915 206 104.7	1,618 345 108.9	1,171 201 110.8	889 270 111.6	766 178 112.1	2,557 273 110.9	2,982 279 111.1	261 106,6	106.2
Rye: Production (crop estimate)mil. met. tons. Producer Price Index, No. 2, Minneapolis	⁷² .496 54.7	² .373	77.9	82.8	79.1	79.1	76.2	79.1	77.7	55.7	60.1	59.3	60.8	68.9	67.4	⁵.34: 65.1
Production (crop estimate), total mil. met. tons Spring wheat do Winter wheat do Distribution quarterly @ do do	² 57.36 ² 14.76 ² 42.60 62.62	⁷² 49.32 ² 6.81 ⁷² 42.51 ¹³ 71.46	14.97			13.39			14.38			22.71			13.46	555.41 515.84 539.57
Stocks (domestic), end of period, totaldo On farmsdododo	768.05 726.29 741.76	**46.70 **16.87 **29.83	746.70 716.87 29.83		113.23	713 33.41 713 12.60 13 20.81	3.99	3.28	719.10 77.87 111.23	2.49	3.79	752.18 722.64 729.54 3.71	4.28	2.50	38.58 15.84 22.74 2.03	
Exports, total, including flourdodo	31.79 1,106.7	41.33 1,469.2	2.56 90.7	2.91 99.8	(12)	5.09	5.39	3.28	2.06	2.49	5.19	11.6	4.20	2,90	2.03	

			SOI	111	71 00	1010131	11 100	CITTLE	J.						Junua	1, 1000
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Stanserics: 1986	Ant 1987	1988	Nov.	Bec.	Jan.	Feb.	Mar.	Apr.	May	June	89 July	Aug.	Sept.	Oct.	Nov.	Dec.
		FOOD	AND K	INDRE	D PRO	DUCTS	; TOBA	CCO-	Contin	ued						
GRAIN AND GRAIN PRODUCTS—Continued																
Wheat—Continued Producer Price Indexes:																
Hard red winter, No. 1, ord. protein (K.C.) 1982=100	70.6	290.8	103.6	105.2	110.1	108.0	114.6	108.3	115.0	111.2	107.3	106.6	105.2	105.6	107.7	109.2
Hard red spring, No. 1, ord. protein (Minn.) 1982=100	68.8	1	102.7	103.3	111.5	108.9	113.4	109.4	114.6	107.5	106.1	106.9	106.1	106.2	105.0	108.6
Wheat flour: Production:								1								
Flourthous. sacks (100 lb.) Millfeedthous. sh. tons	341,565 6,260	6,163	31,135 563	$28,\!450$ 554	29,084 518	27,109 479	26,963 480	27,186 482	28,607 505	26,644 480	26,598 497	32,334 589	29,790 533	731,806 7560	30,035 566	
Grindings of wheatthous. bu Stocks held by mills, end of period	767,384	769,699	69,662	63,833	64,991	60,789	60,387	60,659	64,739	59,645	61,268	74,073	68,045	⁷ 71,895	68,165	
thous sacks (100 lb.) Exportsthous met tons.	5,858 1,196.00	4,800 960.80	65.60	4,800 135.70	681.70	129.32	4,423 134.88	128.48	103.44	5,253 17.78	35.74	114.51	5,593 177.08	66.25	134.94	
Producer Price Index	89.7	102.0	109.0	109.1	110.7	110.0	112.4	109.5	112.0	112.7	112.1	r110.7	109.2	108.3	108.6	109.7
Poultry:	19,886	20,520	r1,728	1,607	1,694	1,574	1,830	1,653	1,951	1,959	1,777	2,089	1,862	^r 1,971	1,899	
Slaughter	501	451	510	451	462	455	458	488	552		686	⁷ 768	7769	776	478	468
Turkeys	266	250	304	250	263	263	269	299	356	657 455	497	7574	7569	572	258	234
live broilers\$ per lb Eggs:	.265	, ·	.330	.335	.340	.330	.330	.375	.440	.410	.375	.355	.355	.290	.290	.270
Stocks, cold storage, end of period:	193.2	} :	15.8	16.2	15.9	14.4	16.0	15.4	15.8	15.2	15.6	15.5	15.1	15.7	15.4	4.0
Shell	43 17	20	26 18	9 20	12 20	7 19	16 15	18 15	26 16	27 15	12 16	17 15	23 14	715	11 13	12 14
\$ per doz	.579	.583	.622	.661	.678	.666	.910	.716	.698	.720	.718	.796	.772	.794	.891	.943
LIVESTOCK Cattle and calves:																
Slaughter (federally inspected): Calvesthous. animals	2,679	2,411	202	203	196	175	194	152	157	161	169	189	173	191	175	167
Cattledo Prices, wholesale:	34,468	34,048	2,698	2,685	2,711	2,500	2,744	2,576	2,947	2,951	2,730	2,975	2,706	2,876	2,694	2,600
Beef steers (Omaha)\$ per 100 lb Steers, stocker and feeder	64.60	69.58	70.07	71.21	72.35	72.92	75.81	75.31	74.52	71.71	70.74	71.09	68.44	69.69	72.48	75.21
(Kansas City)do	71.32 78.92	80.50 4227.67	81.31 230.88	80.99 225.63	82.02 230.25	$\begin{array}{c} 82.91 \\ 225.06 \end{array}$	80.98 257.50	78.58 266.25	78.25 260.05	79.08 258.44	81.64 246.88	84.54 263.00	83.56 258.75	81.24 244.38	$82.65 \\ 242.90$	82.30 230.00
Hogs: Slaughter (federally inspected)thous. animals	78,913	85,516	7,908	7,703	7,116	6,619	7,569	7,199	7,277	6,881	6,131	7,392	7,493	7,823	7,815	7,012
Prices: Wholesale, average, all weights (Sioux City)										,	,	·				
\$ per 100 lb Hog-corn price ratio (bu. of corn equal in	47.11	43.25	36.52	40.58	41.64	41.11	39.88	37.22	42.40	46.24	47.26	47.04	44.58	47.49	47.21	49.65
value to 100 lb. live hog)	33.6	}	14.4	15.7	15.7	15.7	15.2	14.4	16.1	17.9	18.6	20.2	19.1	20.9	⁷ 20.1	21.6
Slaughter (federally inspected)thous. animals Price, wholesale, lambs, average (Omaha)	5,042	1	418	447	418	415	505	393	435	423	398	476	440	468	467	457
\$ per 100 lb MEATS	75.77	60.71	61.90	64.75	66.25	66.83	69.50	74.50	73.75	68.56	65.73	63.31	56.67	58.33	55.03	56.38
Total meats (excluding lard): Productionmil. lb	90 440	90.709	9 900	9.950	0.005	9.009	3,326	0.100	0.000	9 9 4 9	9.047	3,482	3,317	3,524	3,411	3,172
Stocks, cold storage, end of perioddo Exports (meats and meat preparations)	38,442 623	39,763 716	3,399 701	3,358 716	3,265 745	3,003 762	749	3,130 767	3,396 735	3,342 686	3,047 654	579	559	7541	555	529
thous. met. tons Imports (meats and meat prep-	915	1,081	103	105	684	91	108	105	110	119	116	117	101	121	122	
arations)dodo	1,250	1,263	89	74	⁶ 114	86	96	91	98	94	91	95	74	87	89	
Production, totalmil. lb. Stocks, cold storage, end of perioddo	23,821 293	23,811 323	1,909 305	$^{1,904}_{323}$	1,928 322 636	$\frac{1,772}{321}$	1,920 305	1,784 280	2,027 251	2,051 248	1,916 255	2,120 248		2,072 r228	$^{1,934}_{241}$	1,853 250
Exportsthous. met. tons Importsdo	394 725	443 753	46 50	40 34	636 672	37 50	49 56	45 53	47 60	55 56	57 59	53 59	44 45	54 54	48 56	
Price, wholesale, beef, fresh steer carcasses, choice (600-700 lbs.)		}														
(Central U.S.)	.972	1.031	1.047	1.062	1.073	1.080	1.124	1.138	1.126	1.064	1.049	1.043	1.021	1.031	1.070	1.114
Production, totalmil. lb Stocks, cold storage, end of perioddo	310 8	329 6	27 6	29 6	27 7	27 6	33 7	26 6	28 7	26 8	25 8	29 8	28 7	30 8	31 8	31 8
Pork (excluding lard): Production, totaldo	14,312	15,623	1,463	1,425	1,310	1,204	1,373	1,321	1,341	1,266	1,107	1,333	1,349	1,421	1,446	1,288
Stocks, cold storage, end of perioddo Exportsthous. met. tons	285 70	358 147	361 15	358 14	381 611	397 10	394 11	438 12	431 13 33	383 13 32	347 13	281 12	280 12	r275 17	281 15	257
Importsdo Prices:	461	439	32	34	⁶ 36	31	34	33	33	32	25	30	24	26	27	
Producer Price Index, Hams, smoked 1982=100	104.2	296.2	99.1	100.2	(5)											
Fresh loins, 8-14 lb. average, wholesale (N.Y.)\$ per lb	1.265	1.188	.996	1.132	(5)											
MISCELLANEOUS FOOD PRODUCTS														ļ		
Cocoa (cacao) beans, imports (including shells)thous. met. tons.	262.6	236.7	13.7	31.0	644.2	24.0	30.4	28.9	24.6	18.4	18.1	23.4	14.0	20.4	9.5	
Coffee: Imports, total				61,620		77,714	82,072	83,874	77,223	71,164	99,368		117,088	130,799	105,479	
From Brazil	235,680 81.6			14,400 90.1	624,616	20,282	24,413 89.5	31,128	12,053	14,530 86.5	18,678	19,526	20,969 '53.3	32,745	17,140	47.6
Fish: Stocks, cold storage, end of periodmil. lb.	411	394	393	394	392	353	330	330	357	374	386	428	444	428	p417	
See featurates at and of tables	1	1	(1)		!								1

January 1990			SUR	VEY (OF CU	RREN	T BU	SINE	SS							S-23
Unless otherwise stated in footnotes	Anı	ıual	19	88	l					19	89					
below, data through 1986 and Units methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		FOC	D AND	KIND	RED PI	RODUC	TS; TO	BACCO	Cont							
MISCELLANEOUS FOOD PRODUCTS—Cont.																
Sugar:							-									
Exports, raw and refined	560,592	877,365	16,816	615,552	524,230	36,168	27,170	27,337	22,806	33,808	18,350	45,586	50,385	51,657	45,619	
Imports, raw and refinedthous. met. tons	1,157	1,213	90	134	5104	112	152	84	126	149	181	226	106	97	119	
Producer Price Indexes:	1									ļ						
Raw (cane)	110.3	4111.9	110.2	112.0	111.0	111.9	112.3	112.3	113.8	115.4	118.3	118.3	119.0	117.8	1	
Refineddo Tea, importsmetric tons	106.4 77,390	⁴108.9 90,143	112.2 6,792	113.7 7,959	115.8 56,610	115.8 5,966	116.0 8,290	115.8 7,170	116.9 7,193	117.6 7,124	119.6 7,394	7118.6 6,790	121.1 7,070	120.6 7,634	119.8 6,964	
	11,550	30,140	0,132	1,303	0,010	3,300	0,230	1,110	1,130	1,124	1,004	0,730	7,010	1,004	0,004	
TOBACCO Leaf:	Į						1		}							
Production (crop estimate)mil. lb Stocks, dealers' and manufacturers', end of perioddo	^{r1} 1,189 4,480	² 1,370 4,020		4,020			3,825			3,514			3,637			61,414
Exports, incl. scrap and stemsmetric tons	193,178	216,481	20,886	20,588	⁵ 25,916	25,393	22,177	19,356	14,701	11,696	6,990	10,684	17,729	18,025	32,072	
Imports, incl. scrap and stems do	222,197	196,429	12,218	5,248	⁵ 14,603	11,507	12,411	19,382	16,202	11,032	20,427	18,418	11,553	15,234	13,351	
Manufactured products:	1						1	{								
Consumption (withdrawals):						1	1		1							
Cigarettes (small): Tax-exemptmillions	111,199	132,953	15,585	12,158	10,947	11,702	11,419	9,502	12,800	13,027	11,668	r14,395	12,151		<u> </u>	
Taxabledo	577,008	543,378	56,264	39,548	46,915	41,936	51,723	44,351	52,858	51,549	26,757	r47,155	44,444			
Cigars (large), taxabledo	2,676	2,430	200	189	164	164	209	174	241	246	158	220	208			
Exports, cigarettesdo	100,246	118,499	10,214	11,146	58,661	2,187	1,731	9,129	1,248	1,701	772	3,046	2,220	2,672	2,760	
	т			LEAT	HER A	ND PR	ODUCT	'S					 -			
LEATHER										1						
Exports: Upper and lining leatherthous. sq. ft	194,152	215,358	15,835	22,519			Ì									
Producer Price Index, leather	140.9	⁴167.5	166.0	164.9	166.6	169.4	170.2	168.2	166.7	168.0	171.4	⁷ 171.5	172.3	174.0	174.4	175.1
LEATHER MANUFACTURES							İ					Ì				
Footwear:		i				İ	ŀ		}							
Production, total \(\)thous. pairs Shoes, sandals, and play shoes,	230,046	235,141	21,280	17,623	18,070	18,455	19,590	16,606	18,725	17,506	13,691	19,676	17,405	18,959		
except athleticthous pairsSlippersdo	165,184 50,281	162,507	13,598	$12,324 \\ 3,275$	12,428	(3) 5,241	(³) 5,783	(³) 4,335	(3) 5 195	11,538	9,183	⁷ 12,696	11,735	12,510		
Athleticdo	14,581	55,181 17,453	5,879 1,803	2,024	4,752 885	(3)	(3)	(3)	5,135 (³)	5,256 712	3,889 619	75,863 71,117	4,679 991	985		
Other footweardo	3,341	3,410	269	212	253	260	281	271	267	266	240	⁷ 342	305	452		
Exportsdo Producer Price Indexes:	14,713	18,394	1,652	1,438			***********				*************			*************		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Men's leather upper, dress and casual 1982=100		4101.0	100 5	104.0	107.0	105.0	7000	105.1	105.0	105.0	105.0	F1 00 0	100.0	100.0	100.0	130.7
Women's leather upperdo	111.4 107.2	⁴121.3 ⁴112.5	123.5 114.0	124.6 114.0	125.2 114.2	125.8 114.9	126.0 114.9	125.1 115.3	125.0 114.8	125.0 114.5	125.3 115.3	7129.3 7118.0	130.6 118.1	130.9 118.2	130.8 117.8	118.6
Women's plastic upperdo	104.9	107.5	108.4	109.4	109.5	110.0	110.0	109.8	109.9	110.3	109.3	109.1	110.0	109.2	109.4	112.5
				LUM	BER AI	ID PRO	DUCT	S								
LUMBER—ALL TYPES #														{		
National Forest Products Association: Production, totalmil. bd. ft	² 49,395	²49,576	3,715	3,641	3,849	3,311	3,758	3,773	4,025	4,273	3,677		i			
Hardwoodsdo	211.160	² 11,446	747	690	768[713	687	829	864	799	671					
Softwoodsdo Shipments, totaldo	² 38,235 ² 49,761	² 38,130 ² 49,134	2,968 3,656	2,951 3,649	3,081 3,914	2,598 3,417	3,071 3,877	2,944 3,846	3,161 4,163	3,474 4,420	3,006 3,754					***************************************
Hardwoodsdo	211.460	² 11,163	716	665	781	743	826	874	937	891	752					,
Softwoodsdo Stocks (gross), mill, end of	238,301	237,971	2,940	2,984	3,133	2,674	3,051	2,972	3,226	3,529	3,002					
period, totaldo	6,183															
Hardwoodsdo Softwoodsdo	1,412 4,840	4,999	4,979	4,999	4,896	4,818	4,837	4,810	4,740	4,746	4,748					
Exports, total sawmill productsdo																
Imports, total sawmill productsthous. m ³	35,912	33,547	2,695	2,190	56,026	5,036	5,868	5,405	5,432	5,301	4,205	6,479	5,146	5,766	5,778	
SOFTWOODS			1						ì			}	ŀ	{	İ	
Douglas fir: Orders, newmil. bd. ft	10,325	10,031	694	956	926	607	877	737	741	931	762	800	853	850	688	
Orders, unfilled, end of period do	548	636	548	636	694	617	659	626	592	583	565	540	583	527	506	
Productiondo Shipmentsdo	10,354 10,445	10,029 9,943	782 757	836 868	834 868	621 684	797	759 770	793 775	948 940	778 780	806 825	815 810	949 906	754 709	·····
Stocks (gross), mill, end of perioddo	790	876	908	876	842	779	741	730	748	756	754	735	740	783	828	
Exports, total sawmill productsthous. m³ Sawed timberdo	1,614 326	2,202 342	184 33	$\frac{201}{24}$	⁵ 206 ⁵ 50	196 23	227 28	267 29	186 22	$\frac{211}{24}$	144 11	245 33	200 28	186 29	241 22	
Boards, planks, scantlings, etcdo	1,288	1,860	151	177	5156	173	199	239	163	187	134	213	172	158	220	
Producer Price Index, Douglas fir, dressed 1982=100	125.1	135.7	138.7	133.6	135.9	140.7	142.0	154.3	159.9	163.0	167.1	r162.8	161.3	158.1	138.0	138.5
See footnotes at end of tables.		-55.7		200.0	200.0	- 20.1		231.0	200.0	200.0	-5,1		-02.0	200.1	-55.5	
and received as that or sables.																

5-24			SUL	A LT I C	T. CU.	LYTYTYT	1 00	STIATE)N						Janua	19 1990
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in	Ann		198		1			. 1		198		T	Sept.	Oct.	Nov.	Dec.
Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	100.	
			LUN	IBER A	ND PR	ODUCI	IS—Co	ntinued	·	T						
SOFTWOODS—Continued			- 1				1	}					Ì			
Southern pine: Orders, newmil. bd. ft Orders, unfilled, end of periodmiddo	¹ 12,614 837	¹ 12,597 834	1,151 852	913 834	1,067 756	869 756	974 733	1,107 775	1,236 797	1,176 775	942 715					
Productiondodododo	¹ 12,478 ¹ 12,487	12,676 12,600	1,028 1,069	971 933	1,067 1,099	945 917	1,047 995	1,064 1,064	1,123 1,213	1,153 1,199	982 1,002					
Stocks (gross), mill and concentration yards, end of periodmil. bd. ft	1,996	2,072	2,028	2,072	2,036	2,062	2,113	2,114	2,025	1,984	1,962					
Exports, total sawmill productscu. meters Producer Price Index, southern pine,		1,237,638	161,903	171,664	108,674	109,939	109,762	124,827	92,824	68,080	86,351	126,304	58,860	136,776	86,923	
dressed	114.1	112.4	108.5	109.5	110.0	109.7	107.9	106.1	104.5	108.8	113.1	^r 107.2	105.5	112.1	105.4	105.8
Orders, newmil. bd. ft Orders, unfilled, end of perioddo	11,427 524	11,426 537	853 485	994 537	1,027 627	754 533	1,035 591	847 542	904 546	1,058 581	888 558	984 541	938 533	999 535	854 515	
Production do Shipments do	11,407 11,354	11,395 11,413	927 887	926 942	926 937	815 848	993 977	884 896	915 900	1,023 1,023	934 911	1,017 1,001	915 946	1,042 997	869 874	
Stocks (gross), mill, end of perioddo	1,365	1,347	1,363	1,347	1,336	1,303	1,319	1,307	1,322	1,322	1,345	1,361	1,330	1,375	1,370	
Producer Price Index, other softwood, dressed	119.0	120.1	117.3	116.5	118.4	122.2	124.5	128.5	131.7	131.2	130.6	°130.0	127.3	127.1	124.4	125.9
HARDWOOD FLOORING Oak:			İ													
Orders, unfilled, end of period mil. bd. ft Shipmentsdo	11.0 173.8	8.9 193.0	10.2 14.9	8.9 15.3	9.6 16.1	12.2 14.5	14.1 21.0	15.0 16.8	15.1 17.5	15.6 18.9	12.8 14.6	11.9 19.1	10.6 19.0	10.7 16.8	10.3 16.6	
Stocks (gross), mill, end of perioddo	8.7	10.9	11.3	10.9	10.6	12.0	10.4	9.8	10.5	11.0	8.9	9.8	8.8	7.8	7.7	
			N	<u>IETAL</u>	S AND	MANUI	FACTU	RES		,						
IRON AND STEEL								ļ								
Exports: Steel mill productsthous. sh. tons Scrapdo pig irondo	1,129 10,367 50	2,069 10,098 71	243 806	437 964 1	257 1,887 (³)	237 768	606 1,106 (³)	334 785	355 1,126	403 1,260	303 1,101	461 1,233	364 754 2	618 1,054 (³)	251 988 (3)	
Imports: Steel mill productsdo	20,414	¹ 20,891	1,846	1,420	1,784	1,336	1,216	1,341	1,472	1,549	1,458 72	1,531	1,400	1,714	1,491	
Scrapdo Pig irondo	843 355	1,038 700	124 74	77 16	129 18	91 36	78 11	138 93	101 55	114 33	72 45	74 40	70 39	76 75	72 23	
Iron and Steel Scrap Productionthous. sh. tons	24,730	¹ 27,601	2,294	2,221	2,275	2,182	2,324	2,258	2,297	2,176	1,871	⁷ 2,017	2,099	2,089		ļ
Receipts, net	46,105 69,615 4,821	¹ 49,946 ¹ 76,904 4,552	4,085 6,336 4,828	3,743 6,044 4,552	4,032 6,563 4,634	4,092 6,189 4,724	4,360 6,699 4,736	4,175 6,557 4,725	4,086 6,526 4,572	4,019 6,216 4,623	3,545 5,647 4,456	73,654 75,844 74,427	3,634 5,799 4,450	3,999 6,058		
Stocks, end of perioddodo Composite price, No. 1 heavy melting scrap:									,		ĺ	"			}	
American Metal Market * per long ton Ore	85.76	108.98	109.17	107.28	113.90	116.07	112.52	112.20	113.09	111.67	107.33	104.86	102.62	99.58	96.67	
Iron ore (operations in all U.S. districts): Mine productionthous, met. tons	47,566	157,347	4,705	4,793	⁵ 4,890	4,228	4,841	4,426	5,325	5,195	5,357	4,876	4,776			
Shipments from minesdododo	47,900 16,867	¹ 56,694 20,126	4,890 1,442	5,658 1,811	\$2,155 \$814	1,158 1,384	1,817 1,249	5,418 1,599	6,243 2,284	6,495 2,176	6,289 2,032	6,220 1,921	5,437 1,520	5,735		
U.S. and foreign ores and ore agglomerates: Receipts at iron and steel plants	50.50	150.010	20:0	5 100		0.00*	0.000	T 000	T 001	0.050	F 150	7.949	e eoo	6 6 40	6 176	
thous. met. tons Consumption at iron and steel	59,584		6,348	7,166	54,162	3,295	3,903	5,996	7,331	6,850	7,178	7,342	6,699		1	ł
plantsdo Exports (domestic)do	61,048 6,219		5,696 484	5,965 798	⁵ 6,687	5,981 2	6,662 3	6,677 606	6,230 605	6,216 780	6,045 393	5,737 592	5,764 715	6,190	5,506	
Stocks, total, end of perioddodododo	21,279 2,297	23,490 3,296	23,212 4,171	23,490 3,296	⁵ 23,189 ⁵ 6,029	23,252 9,099	22,685 12,123	21,145 11,181	21,670 10,213	21,544 8,949	22,286 8,008	22,275 6,664	22,588 6,004	4 976		
At furnace yards do do	16,565 2,056	18,004	16.886	18,004 2,190	⁵ 15,435	12,749 1,404	9,991 571	9,310 704	10,396 1,061	11,002 1,593	12,239	13,844 1,767	14,780 1,804	14,933	15,546	
Manganese (manganese content), general importsdo	. 814	1,128	112	119	(5)	*******************************] 	ļ	ļ	
Pig Iron and Iron Products		1				1				}						
Pig iron: Production (including production of ferroalloys)	48,410 50,030 281	159,047	4,455 4,611 236	4,712 4,874 206	5,203	4,654 4,882 281	5,112 5,348 264	4,990 5,063 269	4,917 5,012 278	4,707 4,792 264	4,604 4,392 247	4,172 '4,491 '305	4,403 4,546 308	4,433	ļ	4,202
Stocks, end of perioddo Castings, gray and ductile iron: Shipments, totalthous. sh. tons.	8,606	8,514	701	605	682	623	714	696	743	649	512	639	r579	627		
For saledo Castings, malleable iron:	6,002	,	500	ļ		1	452 30	485 24	542 27	468 25	396 16	ļ	⁷ 426	1		İ
Shipments, totaldodododo	318 168		23 10	28 14	28 13	25 13	30 14		12		7					
See footnotes at end of tables.																

							12 20	<u> </u>								
Unless otherwise stated in footnotes below, data through 1986 and units methodological notes are as shown in Business Statistics: 1986	Ann 1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	89 July	Aug.	Sept.	Oet.	Nov.	Dec.
			METAI	LS ANI) MAN	JFACTU	JRES-	-Contin	ued							
Steel, Raw and Semifinished																
Steel (raw): Productionthous. sh. tons Rate of capability utilizationpercent	¹ 89,151 79.5	²99,924 89.2	7,888 85.8	7,954 88.8	8,729 88.2	8,022 89.8	8,997 90.9	8,738 92.2	8,633 88.1	8,171 86.2	7,955 80.8	7,790 79.2	7,617 80.0	8,175 83.0	7,386 77.4	7,222 73.8
Steel castings: Shipments, totalthous. sh. tons For sale, totaldo	830 797	1,018 997	92 91	95 94	94 93	87 86	112 110	101 100	111 110	101 100	84 83	101 101	r85 r84	109 108		
Steel Mill Products Steel products, net shipments:													[
Total (all grades)thous. sh. tons By product:	76,654	183,840	6,712	6,788	7,278	6,832	7,824	7,164	7,446	7,331	6,387	7,224	6,779	7,174		
Semifinished productsdo Structural shapes (heavy), steel pilingdo	¹ 5,456 5,120	15,975 15,209	458 411	468 508	550 504	507 451	585 494	520 470	541 474	532 459	458 392	505 433	462 457	481 472	466	
Plates do Rails and accessories do do Rails and accessories do do do do do do do do do do do do do	4,048 515	^{17,328} ¹⁶¹⁵	543 42	367 36	601 44	570 49	661 60	629 53	623 59	645 51	601 46	661 39	585 32	620 83	593	
Bars and tool steel, totaldo Bars: Hot rolled (including	¹ 18,575	¹ 14,489	1,185	1,121	1,326	1,177	1,294	1,205	1,236	1,168	1,109	1,263	1,206	1,247	1	
light shapes)do Bars: Reinforcingdo Bars: Cold finisheddo	7,288 44,918 1,361	17,834 15,092 1,499	664 404 111	593 418 105	786 443 142	626 421 125	689 461 137	667 407 125	678 425 127	614 427 121	561 442 101	632 508 118	625 466 110	660 465 115	104	
Pipe and tubingdo Wire-drawn and/or rolleddo Tin mill productsdo Sheets and strip (including electrical),	3,570 1,105 3,988	4,443 1,073 4,069	291 83 821	302 67 489	302 87 288	280 86 278	362 97 356	322 97 323	354 95 363	370 95 372	324 80 328	388 83 366	333 76 346	345 80 345	323 71 324	
total do do Sheets: Hot rolled do Sheets: Cold rolled do do Sheets: Cold rolled do do do do do do do do do do do do do	39,279 13,048 13,859	40,639 12,589 13,871	3,384 1,042 1,129	3,360 1,099 1,072	8,577 1,025 1,217	3,433 1,087 1,137	3,965 1,265 1,326	3,544 1,090 1,192	3,701 1,096 1,301	3,638 1,083 1,270	3,047 918 1,066	3,485 1,093 1,163	3,282 997 1,104	3,551 1,182 1,120	3,306 1,106 1,037	
By market (quarterly): Service centers and distributorsdo	18,629	18,980		4,197			4,720			4,817			4,405	² 1,544	² 1,427	
Construction, incl. maintenancedo Contractors' productsdo Automotivedo	5,619 2,701 11,185	6,014 2,815 12,078		1,398 681 3,046			673			740			1,778 737 2,492	² 631 ² 250 ² 989	² 570 ² 237 ² 864	
Rail transportationdododo	734 2,096	1,116 2,587	•	270 601			296 617			306			262 501	² 76 ² 164	272	
Containers, packaging, ship.	4,371	4.423		1,163			1,016			1,189	.,,,,,		1,139	2361	2347	
Otherdodo	181,387	486,011		8,944			9,704		***************************************				9,063	23,209	,	
Total	11.8 6.7 4.6	13.1 7.9 5.2	13.1 7.8 5.3	13.1 7.9 5.2	13.1 7.9 5.2	13.1 7.8 5.3	13.0 7.7 5.8	13.4 7.9 5.5	18.8 7.8 5.5	13.2 7.8 5.4	13.6 8.0 5.6	13.8 7.9 5.4	713.3 7.8 75.5			
Steel service centers (warehouses), inventory, end of periodmil. sh. tons	6.4	6.5	6.6	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.0	7.0			
NONFERROUS METALS AND PRODUCTS											j		Ì			
Aluminum: Production, primary (dom. and foreign ores) thous. met. tons	3,343	3,944	882	344	346	312	347	994	347	335	846	341	323	327		
Recovery from scrapdo	11,986	¹ 2,122	163	156	167	157	182	334 174	176	177	161	159	153			
Metal and alloys, crudedo Plates, sheets, bars, etcdo	41,250.1 4410.3	1,030.6 1388.5	482.0 428.5	455.0 426.9	³ 99.4 ³ 35.6	78.6 24.4	83.3 31.6	92.4 30.9	75.5 30.4	78.9 32.0	71.8 27.3	91.9 33.0	83.6 23.6			
Exports: Metal and alloys, crudedo	4281.1	4400.1	447.5	451.3	³34.8	41.8	40.2	88.8	34.1	44.6	46.2	52.0	46.1			
Plates, sheets, bars, etcdo Price, U.S. market, 99.7% purity,	4258.1	⁴342. 5	424.0	431.5	320.7	35.8	43.1	35.7	60.4	37.4	35.1	41.6	84.5			
monthly average	.7230	1.1009	1.0735	1.1000	1.0772	.9958	.9578	.9638	.9780	.8766	.8040	.8137	.7880	.7976	.7581	.7356
Shipments: Ingot and mill prod. (net ship.)mil. lb Mill products, totaldo	15,584	15,458	1,322 979	1,155	1,266	1,232	1,419	1,246	1,848	1,399	1,251 1,019	1,386	71,314	1,287		
Sheet and plate do do Castings do do do do do do do do do do do do do	15,584 12,284 7,879 2,220	12,278 7,384 2,325	577 209	911 566 178	996 681 231	996 630 220	1,184 774 284	1,046 657 218	1,100 702 229	1,116 696 206	641 135	1,108 691 196	71,014 628 198	615		***************************************
Inventories, total (ingot, mill products, and scrap), end of periodmil. lb	4,175	4,151	4,119	4,151	4,189	4,163	4,160	4,246	4,262	4,275	4,474	4,825	r4,214			
Copper: Production:	4,110	4,201	2,110	2,101	4,100	4,100	4,100	4,240	4,202	4,210	2,212	1,020	4,214	4,000		
Mine, recoverable copperthous. met. tons Refined from primary materialsdo	1,255.9 1,146.1	11,419.6 11,406.0	121.1 123.8	124.8 123.9	126.4 121.0	120.7 114.1	133.8 125.8	125.1 115.4	127.1 130.3	121.8 125.3	122.0 120.0	127.0 128.0	119.5 121.9			
Electrolytically refined: From domestic ores @do From foreign oresdo	1988.1	¹ 1,178.0	102.8	102.2	99.4	94.3	102.4	92.3	105.8	102.2	97.0	103.3	99.4			
Electrowondo	¹ 158.0 414.7	228.0 458.3	21.0 37.5	21.7 40.2	21.6 87.4	19.8 40.8	22.9 47.0	28.1 40.1	24.5 41.7	28.1 42.8	28.0 87.9	24.7 43.2	22.5			
Imports, unmanufactured: Refined, unrefined,																
scrap (copper cont.)do Refineddo	657.8 515.6	626.1 390.4	59.4 39.2	44.0 20.2	³ 40.8 ³ 32.7	33.0 24.8	25.0 18.7	35.9 20.9	35.9 24.1	82.6 25.9	28.2 20.9	58.4 24.4				
Exports: Refined and scrapdo Refineddo	454.8 17.9	707.7 66.5	56.1 4.0	54.5 4.5	*82.5 *6.2	41.0 4.8	41.3 5.9	56.6 13.5	24.2 4.3	46.5 6.6	71.1 21.4	67.4 15.8				
Consumption, refined (reported by mills, etc.)do	¹ 2,152	12,210	190	177	188	173	183	178	196	195	158	195	194			
Stocks, refined, end of perioddo Price, avg. U.S. producer cathode, delivered § per lb	.8250	98 1.2051	81 1.5232	98 1.6127	97 1.5777	101 1.4021	108 1.4849	1.4849	106 1.2715	100 1.1590	1.1349	96 1.2743	901.			
See footnotes at end of tables.	1				-:•					2000	2.2020					

Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in	Ann 1987	ual 1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Business Statistics: 1986	1001							Continu		June	54.5	1146.	Scp.			
	I		MEIAI	A) AIND	MANC	TACIC	1025	Continu	ueu	—т			———		1	
NONFERROUS METALS AND PRODUCTS—Continued Copper-base mill and foundry products, shipments (quarterly total):																
Brass mill products	2,624 1,922 528															
Lead: Production: Mine, recoverable leadthous. met. tons Recovered from scrap (lead cont.)do	7311.4 1710.2	385.0 1737.0	31.1 61.6	31.8 59.7	33.3 62.1	31.0 58.6	34.4 67.5	33.2 64.1	33.8 65.3	36.1 66.3	33.2 61.6	38.6 65.9	34.3 r64.4	35.1 73.5		
Imports, ore (lead content)do Consumption, totaldo	240.3 1,230.4	256.6 1,230.7	23.5 103.4	19.1 95.1	³ 17.2 104.7	8.6 98.3	$7.3 \\ 101.2$	6.5 99.2	9.8 101.3	10.4 101.6	9.0 95.2	$^{11.3}_{102.7}$	9.3\ 105.9	114.0		
Stocks, end of period: Producers', ore, base bullion, and in process (lead content), ABMSthous, met. tons. Refiners' (primary), refined and antimonial (lead content)thous, met. tons.	59.2 21.6	66.9 15.4	68.7 11.9	66.9 15.4	60.1 26.0	55.2 33.0	57.8 39.1	54.9 37.5	63.6 29.7	67.3 29.0	73.2 31.4	77.8 27.9	73.7 27.5	83.0 18.8	78.6	73.5
Consumers' (lead content) \(\rightarrow\) do	88.6 24.0 .3594	789.8 19.9 .3714	60.7 19.6 .4138	67.6 19.9 .4202	68.4 17.7 .4017	68.1 16.8 .3701	72.1 17.3 .3507	68.3 15.3 .3502	66.5 13.2 .3634	65.0 14.3 .3915	65.9 16.0 .4029	63.6 17.3 .4175	r63.7 r18.0 .4363	62.3 18.5		······································
Tin: Imports (for consumption): Ore (tin content)metric tons Metal, unwrought, unalloyeddo	2,967 41,151	2,837 43,493	4.328	130 3,695	(³) ³ 3,614	149 2,114	2,839	2,490	2,610	2,372	2,833	4,018	2,734			
Recovery from scrap, total (tin cont.)do	¹ 16,159 ¹ 1,358 ¹ 44,219 ¹ 35,620	¹ 15,088 ¹ 578 ¹ 45,073 ¹ 37,008	4,328 703 96 4,900 3,800	4,900 3,800	598 11 4,800 3,700	649 47 4,700 3,700	4,300 3,300	627 47 4,500 3,400	4,500 3,400	621 47 4,100 3,100	4,000 2,900	4,200 3,200	7594 74,100 73,000			
Exports (metal)doStocks, pig (industrial), end of perioddoPrice, Straits quality (delivered)\$ per lb.	1,701 4,428 4.1878	1,573 4,943 4.4142	94 4,781 4.5767	4,943 4,6029	³ 62 4,242 4.6435	3,894 4.9165	4,320 5.4309	3,717 6,4213	47 4,945 6,2118	98 4,912 6.0796	25 5,597 5.6910	5,872 5,1789	94 76,241 4,9357	5,333 4,7714		
Zinc: Mine prod., recoverable zincthous. met. tons. Imports:	¹ 216.3 425.5	¹ 244.3 405.7	19.9	19.3 27.9	22.2	20.8	22.9 2.2	22.4 1.5	23.4	24.3 8.4	20.8	25.3 4.8	23.1			••••••••••••••••••••••••••••••••••••••
Ores (zinc content)	705.9	740.8	32.3 64.2 .2	47.4	³.3 ³74.7 .2.	1.1 52.6	60.9	58.1	62.1	70.5	46.0	58.1 .2	.2			
Scrap, all typesdo Slab zinc: Production, total ‡thous. met. tons. Consumption, fabricatorsdodo	220.5 1,052.0	¹ 253.9 194.4 ¹ 1,089.0	22.0 17.6 87.2	22.0 14.7 88.1	22.0 17.8 90.0	22.0 16.3 81.4	22.0 17.6 96.0	22.0 16.8 81.6	20.6 17.7 97.0	20.6 16.1 82.1	20.6 16.2 76.1	20.6 18.6 101.2	20.6 16.8 95.0	17.8	16.2	17.4
Exports	7.0 57.1 .4192	.5 5.6 64.8	(2) 5.4 48.8 .7125	(2) 5.6 64.8 .7344	\$.2 5.0 50.5 .7927	.2 4.0 54.2 .8770	.3 3.3 50.4 .9371	3.8 48.3 .8852	.1 4.1 48.8 .8464	.9 3.6 50.2 .8059	3.9 51.8 .7967	4.8 48.1 .8132	3.8 46.9 .8108	4.0	3.3	4.7
MACHINERY AND EQUIPMENT Heating, combustion, atmosphere equipment, new					<u> </u>											
orders (domestic), net, qtrly #mil. \$. Electric processing heating equipmentdo Fuel-fired processing heating equipdo	¹ 368.3 54.9 ¹ 171.1	390.2 62.7 165.5	ļ	104.7 14.6 46.2			107.2 24.1 37.8		••••••	110.0 25.6 41.3			99.5 24.8 30.0			
Materials handling equipment, dollar value bookings index *1982=100.	207.1	213.4	237.8	252.6	181.8	160.9	221.0	171.5	169.8	180.5	······					
Industrial supplies, machinery, and equipment: New orders index, seas. adjusted1977=100. Industrial suppliers distribution: Sales index, seas. adjusted1977=100.	128.7	138.2 164.0	142.7 166.7	146.5 167.6	156.6 177.2	159.0 175.7	156.4 175.6	153.0 196.3	147.3 193.1	142.0 183.2	141.3 175.5	147.1 197.5	157.9 192.8	164.3 175.0	160.0 189.8	171.6
Inflation index, not seas. adj. (tools, material handling equip., valves, fittings, abrasives, fasteners, metal products, etc.)	166.6	172.2 129	174.8	176.0 132	1	ì	179.5	180.1	181.0 150	182.1 148	182.8 130	183.1 147	184.3 140	184.9 r145	185.8 148	184.5 134
Hydraulic products	. 105	120	125 118	114	130	141 128	158 150	151 129	148	144	123	141	126	⁷ 134	129	114
Orders, new (net), total mil. \$ Domestic do Shipments, total do Domestic do Order backlog, end of period do		2,315.75 1,574.55 1,400.10	188.35 164.60 170.80 156.70 1,768.5	191.50 209.35 186.40	145.40 102.85 89.50	191.30 151.25 133.90	220.60 200.20 227.45 207.25 1,926.6	152.80 138.50 184.05 168.35 1,895.3	138.10 158.40 145.40	158.85 123.05 235.70 199.95 1,808.0		147.20	192.45 174.50 228.50 188.75 1,715.8	144.90 135.70 183.55 161.95 1,677.2	128.90 108.15 228.60 201.10 1,577.5	313.25 260.80
Metal forming type tools: do Orders, new (net), total do Domestic do Shipments, total do Domestic do Order backlog, end of period do	536.05 647.15 537.90	749.35 824.55 702.20	90.65 66.25 86.75 80.15 398.8	60.20 83.20 64.30	56.60 49.35 42.20	67.00 57.05 77.55 66.40 389.6	69.90 58.20 79.20 67.00 380.4	89.75 76.40 65.50 58.80 404.6	74.10	81.85 72.85 91.85 70.10 369.6	50.55	70.85 70.45 55.90 49.75 380.0	110.15 105.00 53.50 44.45 436.6	60.10 47.05 68.00 58.80 428.8	55.50 40.05 85.10 64.15 399.2	60.10

January 1990			DOIL	ATT)I O O	1010131	(I DO	DITATE	JU							D-21
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	Ann 1987	1988	Nov.	88 Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			METAI	LS AND	MANI	JFACTU	URES-	-Contin	ued	,						
	l															
MACHINERY AND EQUIPMENT—Continued																
Tractors used in construction, shipments, qtrly: Tracklaying (ex. shovel loaders) units	9,570	12,117		3,323			2,863			3,075						
mil. \$	975.9	1,167.1		277.9			306.0	ļ		337.3						
Wheel (contractors' off-highway)units mil. \$	4,701 371.3	5,110 416.1		1,172 95.6			1,165 92.7			$\frac{1,260}{103.8}$					••••••	
Shovel loadersunits mil. \$	60,468 1,777.7	61,938 2,092.1		14,544 525.8			15,303 562.1	····		$16,376 \\ 602.0$						
ELECTRICAL EQUIPMENT	1,,,,,,	2,002.1		020.0	***************************************		002.1			002.0						
Batteries (auto-type replacement),																
Radio sets, production, total market ‡‡thous	59,878 328,110	63,487 23,623	6,041 2,834	6,245 1,940	4,674 1,688	4,203 1,518	4,754 1,752	1 1	4,656 1,985	4,982 2,140	4,827 2,169	6,295 2,712	6,357 2,454	6,685 2,578	6,114 2,567	*******
Television sets (incl. combination models), production, total market ‡‡thous	23,497	20,170	1,838	2,329	1,649	1,846	2,254	2,018	1,994	2,431	1,461	2,071	2,520	2,010	2,00.	
Household major appliances, industry				·	·	<u> </u>							· 1			
Shipments #thousdodo	49,981 3,798	³ 47,070 ³ 4,637	73,932 126	$^{3,679}_{215}$	3,947 352	$3,916 \\ 546$	4,444 846		4,326 748	4,389 718	3,505 365	3,832 148	$3,971 \\ 170$	3,834 97	3,719 101	3,502 275
Dishwashersdo Disposers (food waste)do	4,032 4,439	3,907 4,233	355 381	318 343	326 391	293 380	324 414	335	292 336	324 331	257 285	319 363	303 434	338 426	328 369	301 299
Microwave ovens/rangesdododo	12,610 3,346	10,988 33,202	1,224 287	$1,161 \\ 262$	$1,054 \\ 245$	963 225	906 273	824 226	907 263	788 263	761 218	956 276	1,075 258	958 275	1,036 291	940 242
Refrigerators do Freezers do	6,972 1,260	³ 7,227 ³ 1,349	537 99	467 94	466 93	460 94	564 . 90	536	686 111	785 116	660 129	687 144	627 123	614 95	546 84	494 90
Washersdododo	5,998 4,637	³ 6,190 4,601	508 401	440 363	553 436	510 394	539 385	457	533 374	572 389	437 305	524 377	545 410	582 432	535 398	474 361
Vacuum cleaners (qtrly.)do	10,417	10,652		2,550			2,952			2,545			3,224		••••••	
GAS EQUIPMENT (RESIDENTIAL)	2.050	2 000	000	4.55	450		*0"	400		440	100	24.0		051		
Furnaces, warm air, shipments thous	2,073 2,143	2,092 2,227	223 7209	177 7197	178 158	148 156	135 194	132 163	142 182	168 185	186 149	216 191	⁷ 246 181	251 200	215	194
Water heaters (storage), automatic, shipmentsdo	3,951	3,956	307	383	337	328	375	354	324	345	303	295	⁷ 309	397		
			PET	ROLE	JM. CO	AL. AN	D PRO	DUCTS	 }							
COAL																
Anthracite:																
Production †thous. sh. tons Exportsthous. met. tons	3,560 1,071	3,555 817	310 50	260 871	281 259	282 11	337 50	273 70	280 82	256 110	7197 55	7311 14	^r 299 72	373 58	339 85	291
Producer Price Index1982=100	100.1	101.2	102.3	103.2	103.3	103.3	103.5		103.0	103.0	103.1	103.2	103.2	103.5	104.3	104.6
Bituminous and lignite: Production †thous. sh. tons	915,202	946,711	82,973	80,324	81,969	75,040	88,981	77,233	82,486	78,544	r66,269	r90,824	r84,618	87,657	85,043	72,554
Consumption, total †	834,337 716,922	880,242 756,459	69,742 59,192	77,792 66,775	77,101 66,355	73,012 62,538	72,550 61,830	65,957 55,837	68,113 58,261	73,233 63,548	69,609	70,237	62,808	60,454		
Industrial, total	111,696 36,920	117,730 41,866	10,076 3,399	10,255 3,564	10,199	9,874 3,290	10,277 3,716	9,701	9,575 3,521	9,442 3,364			.,	00,101	······	
Residential and commercialdo	5,719	6,054	474	762	3,562 547	599	443	419	276	243	······				·····	
Stocks, end of period, total †do	178,485	151,446	154,919	151,446	146,462	141,366	142,600		154,461	152,393	100.000	107 704	100 100	195 054		
Electric power utilitiesdodo	163,857 14,628	139,583 11,863	143,190 11,729	139,583 11,863	135,168 11,294	130,641 10,724	132,444 10,155	138,130 10,097	144,417 10,045	142,404 9,990	128,800	127,794	129,189	135,854		
Oven-coke plantsdo Exports excluding lignitethous, met. tons	3,879 70,438	3,125 85,282	3,039 7,476	3,125 8,089	3,254 25,659	3,382 6,106	3,511 7,542	3,457 8,186	3,404 8,701	3,350 8,648	5,577	7,351	8,691	8,370	8,776	
Producer Price Index1982=100	97.1	195.3	94.6	94.6	94.1	93.5	93.5		94.5	94.8	96.1	96.5	96.4	96.9	97.4	96.8
COKE Production:																
Beehive and oven (byproduct)thous. sh. tons Petroleum coke §do	28,037 37,380	32,405 39,811	3,347	$8,251 \\ 3,462$	3,505	2,931	$\frac{8,006}{3,201}$	3,200	3,337	8,194 3,406	3,509	3,447	3,255	3,239		
Stocks, end of period:]				0,000	2,001		0,200	0,001		0,000	0,117	0,00	0,200		
Oven-coke plants, totaldo At furnace plantsdo	1,064 846	1,583 1,420		1,583 1,420			$^{1,167}_{1,052}$			1,264 1,136					•••••••••••••••••••••	
At merchant plantsdo Petroleum coke ††do	218 1,350	163 1,558	1,657	163 1,558	1,588	1,669	115 1,655	1,931	2,086	129 1,813	1,756	1,642	1,724	1,736	• • • • • • • • • • • • • • • • • • •	
Exportsthous. met. tons	590	1,011	131	167	² 52	30	76	60	115	115	100	63	51	196	65	
PETROLEUM AND PRODUCTS									ĺ							
Crude petroleum: Producer Price Index	55.5	¹ 46.2	39.2	44.3	49.7	50.3	53.9	58.9	59.5	58.3	59.9	r53.5	56.3	57.6	57.7	59.8
Gross input to crude oil distillation units ††mil. bbl	4,746.1	4,921.6	400.6	420.2	418.8	364.3	407.9	393.9	420.4	421.6	432.6	434.7	416.7	419.5		
Refinery operating ratio ††% of capacity All oils, supply, demand, and stocks: ††	83	84	84	85	86	83	84	84	86	90	89	89	88	86		
New supply, total \(\rightarrow \text{mil. bbl} \) Production:	6,089.6	6,301.7	523.8	538.4	547.7	486.4	517.6	524.8	532.0	512.1	540.0	546.5	511.5	534.2		
Crude petroleumdo Natural gas plant liquidsdo	3,047.4 605.6	2,979.1 614.2	240.7 51.8	246.2 52.7	245.3 53.5	219.2 45.9	235.9 52.7	232.4 51.5	242.0 51.9	229.8 46.6	231.7 50.6	235.3 48.4	226.9 46.3	231.3 47.5		
Imports: Crude and unfinished oilsdo	1,837.3	2,021.6	167.2	172.3	182.8	161.1	165.7	186.7	188.5	189.3	204.0	214.8	195.5	204.0		
Refined productsdo	599.4	686.8	64.1	67.2	66.1	60.2	63.9	54.2	49.7	46.3	53.7	48.0	42.9	51.4		
Change in stocks, all oilsdo Product demand, totaldo	14.9 6,360.8	-10.2 6,623.4	.8 550.0	-34.0 600.5	19.9 556.8	-17.9 521.7	-32.1 581.6	26.5 521.0	26.5 535.2	-14.7 550.5	40.2 532.6	6.4 566.3	15.2 518.7			
Exports:do	55.0	56.7		4.0	4.2	U41.1	581.6 4.8	521.0 4.2		7.3	2.1	5.0				
Refined productsdo	223.0	241.0	4.4 17.0	27.2	19.0	18.5	21.6		20.1	21.5	21.7	24.9	1.0 18.7	22.6		
See footnotes at end of tables.	. '	'	. '			Į.			'	'	,	'	,	,		

5-28			SUR	AEA C	IF CU.	KKEN	LRO	SINES	55						Januai	ry 1990
Unless otherwise stated in footnotes below, data through 1986 and Units	Ann	ual	198	38						199	39					
methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		PE'	TROLE	UM, CO	OAL, Al	ND PRO	DUCT	S—Con	tinued							
PETROLEUM AND PRODUCTS †—Continued																: !
All oils, supply, demand, and stocks—Continued Domestic product demand, total #mil. bbl.	6,082.7	6,325.7	528.6	569.3	533.6	497.4	555.1	496.8	511.1	521.7	508.7	536.5	499.0	530.5		
Gasolinedodododododododododododo	2,639.1 34.5	2,694.8 35.2	222.0 3.5	228.3 4.8	209.4 4.4	199.1 3.6	230.8 2.6	215.4 2.0	230.7 1.6	234.9 2.0	227.7 1.5	240.2	217.6 1.3	225.6		
Distillate fuel oildo Residual fuel oildo	1,086.4 461.5	1,142.5 504.3	95.5 45.1	110.4 54.4	102.2 49.5	95.5 47.1	106.3 47.6	89.2 42.6	91.7 34.2	89.9 35.5	80.3 39.9	92.1 34.2	87.2 29.1	96.0 39.5		
Jet fueldo	505.5	530.2	43.2	47.8 3.6	46.2 4.3	42.8	45.8 5.7	41.2	41.2 5.7	44.6 5.0	44.1 4.0	45.8 4.9	44.8 4.7	46.0		·····
Lubricantsdododododododododododododo	170.3 588.3	56.6 171.2 606.1	4.8 12.1 53.5	7.0 62.3	4.3 63.6	4.3 5.6 57.1	7.1 56.2	10.8 45.2	15.5 42.0	18.6 42.5	21.4 41.8	24.9	19.5 46.9	19.8		
Stocks, end of period, totaldo	1.607.5	1.597.2	1,631.3	1,597.2	1,619.5	1,601.6	1,569.5	1,595.9	1,622.4	1,607.7	1,647.9	1,654.4	1,669.6 912.2	1,663.4		
Crude petroleum	889.6 540.6	889.9 559.5	895.7 558.7	889.9 559.5	894.8 561.5	896.6 563.9	892.5 566.2	907.4 568.0	915.7 570.4	902.8 571.7	906.4 574.4	916.2 575.4	577.1	578.3		
line, etc	138.3 579.5	145.8 561.6	158.3 577.3	145.8 561.6	151.8 572.9	154.8 550.1	156.2 520.7	158.0 530.5	163.0 543.8	160.3 544.7	157.5 584.0	155.7 582.5	158.8 598.6	162.4 586.6		
Refined petroleum products: Gasoline (incl. aviation):																
Productiondododododododododododododododododo	2,506.2 191.1	2,555.2 192.0	212.4 185.8	227.2 192.0	215.6 207.8	186.7 205.7	205.7 191.1	205.2 190.6	215.8 185.8	219.6 180.4	228.9 192.2	222.9 184.2	212.9 188.0	213.1 185.9		
Prices, regular grade (excl. aviation): Producer Price Index	59.5	²58.2	59.6	55.1	55.3	57.4	60.6	74.5	80.1	78.0	74.7	*64.7	67.1	67.3		61.5
Retail, U.S. city average (BLS): Leaded\$ per gal.	.897	.900	.904	.885	.876	.886	.907	1.047	1.098	1.093	1.075	1.034	1.007	1.001	.975	.961
Unleadeddo Aviation gasoline:	948	.946	.949	.930	.918	.926	.940	1.065	1.119	1.114	1.092	-	1.029	1.027	.999	.980
Productionmil. bbldodo	9.1 2.3	9.3 2.1	.6 1.9	2.1	.6 2.0	.6 2.2	.7 2.1	.6 1.8	.9 1.8	2.0	2.0	1.0 1.8	1.0 1.9	2.2		***************************************
Kerosene: Productiondo Stocks, end of perioddo	. 28.7 8.4	28.8 7.3	3.0 8.1	$\frac{3.1}{7.3}$	3.4 7.3	2.0 5.9	2.4 5.7	2.0 5.8	1.4 5.7	2.1 5.8	1.7 6.0	1.7 6.5	2.4 7.6	2.3 7.5		
Producer Price Index (light distillate)	54.1	²51.6	48.4	50.4	54.6	54.3	55.7	58.3	58.3	55.4	54.7			60.9		
Distillate fuel oil: Productionmil. bbl .	996.6	1,046.3	87.3	95.1	92.2	78.4	84.1	83.6	85.2	84.3	88.2		88.5	90.1		
Importsdo Stocks, end of perioddo Producer Price Index (middle	. 93.2 134.5	110.4 123.5	9.8 128.8	12.7 123.5	10.2 120.3	9.0 107.5	13.6 96.6	9.0 98.4	9.0 99.3	7.0 99.4	10.4 115.4	7.9 116.1	7.3 122.2	7.9 121.4		
distillate)	. 55.5	² 49.5	47.2	50.6	54.9	54.0	57.3	61.5	57.5	53.3	52.7	753.5	59.3	64.0	64.4	68.1
Production mil. bbl Imports dodo	323.2 206.1	338.7 235.9	27.5 23.5	33.1 30.2	29.4 27.2	26.0 24.2	29.0 21.8	27.1 20.4	28.9 16.3	28.5 15.4	26.6 16.9	14.8	25.6 12.6	31.0 17.8		
Stocks, end of perioddo Producer Price Index	. 47.4 . 53.1	44.6 241.1	44.0 36.5	44.6 40.0	47.0 42.1	46.0 43.7	42.4 43.5	40,2 47.3	42.6 49.4	44.8 51.2	43.0 49.4	44.5 748.1	49.5 46.8	51.4 48.2		52.0
Jet fuel: Productionmil. bbl	490.1	501.3	40.1	45.8	46.6	39.4	43.3	38.1	38.7	40.5				46.6		
Stocks, end of perioddo Lubricants:	. 49.9	43.8	46.1	43.8	44.5	43.7	44.0	44.2	45.4	44.6	47.4					
Productiondo	. 60.9 13.3	62.3 13.8	5.0 12.5	5.0 13.3	5.4 14.3	4.6 14.5	5.2 13.9	4.6 13.5	5.3 13.2		5.6 14.3	5.3 14.5		4.4 13.2		
Asphalt: Productiondo	158.4	162.1	11.0	8.5	8.4	8.2 29.1	10.2	10.5	14.0	15.5	17.7	18.3	18.2	14.7		
Stocks, end of perioddo Liquefied petroleum gases:	. 18.8	20.8	18.7	20.8	25.6	29.1	32.6	33.1	32.4	30.6	27.9	21.8	21.9	ľ	3	
Production, totaldo At gas processing plants			I		58.2	50.2								l	}	
(L.P.G.)do At refineries (L.R.G.)do	163.7	182.6	14.1	14.7	41.8 16.3	36.4 13.9	41.6 17.3	17.9	19.9	19.1	19.6	18.7	17.0		} }	
Stocks (at plants and refineries)do	97.1	97.3	113.5		87.0	77.5	75.0	1	L	105.2	117.7	120.2	120.4	110.0	1	1
	Т —	Ι	PUL	P, PAP	ER, AN	D PAP	ek pr	UUUCI	.s	<u> </u>	1	Γ			T	T
PULPWOOD Receiptsthous. cords (128 cu.ft.)	194,312	195,537	7,889	8,370	8,440	7,748	8,035	7,858	8,005	8,358	8,476	8,946	8,491			
Consumption do Inventories, end of period do do do do do do do do do do do do d		195,497	7,887	8,198	8,358	7,837 4,701	8,169	8,040	8,112	8,348	8,548	8,498	8,167			
WASTE PAPER																
Consumption thous. sh. tons Inventories, end of period do do do do do do do do do do do do d	¹ 17,993				1,572 1,008	1,498 988	1,615 1,012	1,555 1,024	1,624 1,024	1,591 1,037	1,579 1,007	1,649 1,058	1,590 1,028			
WOODPULP											İ					
Production: Totalthous. sh. tons	159,552		4,974	5,282	5,466	4,821	5,307	5,193		5,102	5,399		5,070			
Dissolving pulpdodododo	1,812 48,293			127 4,303	127 4,428			106 4,209			4,377		4,069			
Groundwood and thermo- mechanicaldododododo			489 866					512 366			510 368		505 361			
Inventories, end of period:												Į.]		1
Producers' own usedodo	224	l 261	1 301	. 261	. 344	354	279	306 596	305	300) 320	0 358	364			
Exports, all grades, totalthous. met. tons	14,727	¹ 5,160	381	519	³415	460	565		457	510	490	0 484	497	45	5 31-	8
Dissolving and special alphado.	4,100	14,374	i 315	438	3865	397			398	438	3 484	410	442	39	5 26	6
Imports, all grades, totaldo. Dissolving and special alphado.	87	7 124	1 10	5 16	3 29	14	1 21	. 17	!\) (3 1	71 19	9 19) '	7	5
All otherdo	14,444	14,381	1 87.	208	'l ⁷⁴⁹⁴	340	404	000	1 0/6	1 048	1 010	408	1	1 00	-	

January 1990			SUR	VEI	JF CU	nnen	11 60	DIME	<u> </u>							5-48
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in Units		nual	19							19			r		Γ	Ι
Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		PUI	LP, PAI	PER, Al	ND PAF	ER PR	ODUC	rs—Co	ntinued	i						
PAPER AND PAPER PRODUCTS															l	
Paper and board: Production (API):							Ì								1	
Totalthous, sh. tons	¹ 74,318	¹ 76,403	6,222	6,296	6,582	5,985	6,638	6,191	6,424	6,326	76,326	⁷ 6,613	76,267	6,605	ļ	
Paperdo Paperboarddo	36,876 37,442	38,298 38,105	3,165 3,056	3,140 3,155	3,297 3,285	2,989 2,996	3,348 3,290	3,042 3,150	3,157 3,266	3,104 3,222	73,067 3,259	3,302 3,311	73,168 73,100	3,369 3,236		
Producer Price Indexes: Paperboard	118.1	133.2	136.5	136.5	137.7	138.7	140.4	142.3	142.5	141.0	139.5	⁷ 140.0	140.3	140.0	139.7	139.
Building paper and boarddo	111.2	113.3	112.7	113.3	112.9	113.8	114.2	115.1	115.5	115.8	116.4	116.2	116.7	117.3	117.0	117.
Selected types of paper (API): Groundwood paper:															ĺ	
Orders, newthous. sh. tons Orders, unfilled, end of perioddo	1,542 166	¹ 1,654 208	113 145	177 208	140 182	127 180	163 204	134 178	154 186	149 199	151 191	⁷ 168 ⁷ 219	7177 7238	151 212		
Shipmentsdo	11,498	11,624	130	125	148	133	147	149	151	139	148	7153	152	167		
Coated papers: Orders, newdo	17,066	. 17,412	575	570	588	561	599	505	613	636	650	658	633	672		
Orders, unfilled, end of perioddo Shipmentsdo	708 6,860	751 7,359	729 606	751 573	588 678 633	696 550	701 604	647. 544	698 580	737 580	7824 572	7849 651	7875 7610	884 653		
Uncoated free sheet:	<u> </u>															
Orders, new	111,173 111,206	111,298 111,494	880 943	989 948	931 976	884 912	1,015 1,021	870 923	864 955	916 902	868 867	1,031 968	7963 901	1,011 983		
Unbleached kraft papers:	· '															
Shipmentsthous sh. tons Tissue paper, productiondo	¹ 2,840 ¹ 5,301	¹ 2,800 ¹ 5,476	254 445	258 450	272 466	235 437	264 503	199 451	206 474	229 469	212 458	227 484	210 473	239 489		************
Newsprint:	0,501	0,410	440	450	400	401	303	401	2112	40.7	400	404	4.0	400		***************************************
Canada: Productionthous. metric tons	9,669	9,969	837	809	850	777	806	814	838	780	814	837	760	847	787	
Shipments from millsdo Inventory, end of perioddo	9,757 189	9,867 291	845 356	874 291	763 378	731 425	814 418	785 446	851 434	821 412	775 451	811 477	830 407	853 401	816 372	
United States:					İ	1				l						
Productiondo Shipments from millsdo	5,300 5,310	5,427 5,415	448 456	464 475	460 437	404 412	469 462	449 442	458 462	452 452	474 472	462 469	469 470	477 7478	468 481	
inventory, end of perioddo	36	48	59	48	71	64	70	78	73	452 73	472 74	469 67	66	66	53	
Estimated consumption, all users \(\)	12,322	12,336	1,094	1,037	963	934	1,052	1,057	1,044	988	955	1,002	⁷ 1,034	r1,108	1,103	**************
Publishers' stocks, end of period # thous. metric tons	900	932	898	933	936	925	889	850	838	829	843	848	824	r793	763	
Importsdo	8,142	7,794	641	489	3782	569	673	612	673	600	587	714	618	667	628	
Producer Price Index, standard newsprint1982=100	112.3	127.6	127.5	126.6	126.5	126.0	126.6	126.5	123.2	122.0	121.3	⁷ 120.7	120.1	118.8	118.6	117.
Paper products: Shipping containers, corrugated and solid				-	j	[[
fiber shipmentsmil. sq. ft. surf. area	297,827	307,457	⁷ 25,047	23,467	26,444	24,086	26,755	26,367	26,734	26,391	24,550	27,709	25,354	28,961	25,183	
			RU	BBER	AND R	UBBER	PROD	UCTS								
RUBBER																
Natural rubber:											-00 -0		-50.05	21.10		
Consumptionthous. metric tons Stocks, end of perioddo	775.82 72.46	858.28 61.74	75.39 58.43	75.22 61.74	89.88 71.11	51.14 67.51	96.57 77.37	68.38 82.18	87.86 86.67	65.10 86.21	r82.70 r86.16	72.22 788.06	773.25 783.32	64.16 87.74		••••••••••••••
Imports, incl. latex and guayuledo	757.60	853.82	77.43	74.73	399.31	52.16	99.09	74.55	87.48	63.78	77.86	67.05	70.42	71.59	79.68	
U.S. Import Price Index †	115.7	147.7		132.7			135.1			106.0			99.8			100.
Productionthous. metric tons	2,184.12	2,334.72	204,32	189.86	206.31	181.77	206.20	207.17	189.07	179.59	178.65	186.21	187.06	190.11		
Consumptiondododo	2,017.31 229.72	2,016.85 279.28	182.76 260.69	151.42 279.28	191.73 288.86	172.98 287.74	189.42 294.40	194.68 299.60	170.69 300.42	165.41 303.67	r167.88	7172.60 7314.14	156.59 7323.34	166.34 330.12		
Exports (Bu. of Census)do	429.40	459.98	36.25	32.12	342.40	45.66	54.98	41.27	54.39	51.30	43.71	48.21	54.54	54.64	43.59	
TIRES AND TUBES					j			Ì							ļ	
Preductionthousthous	1202,978	¹ 211,351	17 050	16,102	10 044	10 100	10 000	19,224	19,090	18,312	14,835	18,288	16,963	18,400		
Shipments, totaldo	255,220	264,811	17,253 22,622	20,635	18,944 21,466	18,102 19,613	19,670 22,166	22.375	23,022	24,558	19,927	23,955	23,151	23,335		
Original equipmentdo Replacement equipmentdo	60,758 186,406	62,932 189,212	5,529 16,103	4,934 14,708	5,485 14,576	5,348 12,886	5,569 15,008	5,770 15,221	5,806 15,896	5,130 18,198	3,174 15,554	4,969 17,488	4,947 16,913	4,910 17,003		************
Exportsdo	8,056	12,666	989	993	1,405	1,377	1,588	1,384	1,320	1,231	1,198	1,497	1,291	1,422		*****************
Stocks, end of perioddo Exports (Bu. of Census)do	34,338	83,191 16 140	33,434	33,191	35,186	37,884	40,552	42,791	43,580	42,695	42,596	41,902	39,852	39,156	1 410	
Inner tubes:	9,580	16,149	1,322	1,314	³1,903	1,373	1,692	1,634	1,343	1,295	1,602	2,112	1,566	1,790	1,412	
Exports (Bu. of Census)do	1,518	1,712	144	132	³ 243	122	126	143	201	137	133	181	121	136	96	
See footnotes at and of tables																

3-30				SUR	VEY)F CU	KKEN	L RO	SIME	55						Januar	ry 1990
Unless otherwise stated in footnotes		Ann	ıual	19	38						19:	89					
below, data through 1986 and methodological notes are as shown in Business Statistics: 1986	its	987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
				STO	NE. CL	AY, AN	D GLA	SS PRO	DUCT	s							
PORTLAND CEMENT																	
Shipments, finished cementthou		31,160	477,958	39,750	32,505	27,176	23,133	33,782	39,261	44,585	47,085	43,782	51,782				
CLAY CONSTRUCTION PRODUCTS	İ									İ				ļ			
Shipments: Brick, unglazed (common and face) mil. standard	brick 7	,600.5	7,807.8	617.3	516.0	500.4	429.9	554.8	569.2	636.6	625.9	587.4	690.2	593.0	634.5		
Structural tile, except facingthous. sh	. tons	(2)	58.1	4.7	4.7	4.7	4.7	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)		
Sewer pipe and fittings, vitrified Floor and wall tile and accessories, glazed and unglazedmi.	i i	316.9 478.9	316.3 488.2	22.2 40.5	15.6 40.0	18.4 39.3	14.3 42.4	21.4 46.6	24.8 41.5	25.8 46.2	24.4 46.9	22.4 38.8	21.4 48.8	19.4 r42.6	22.8 44.5		
Producer Price Index, brick and structural clay tile		108.2	110.9	111.2	111.2	111.6	111.6	112.0	111.9	111.6	111.7	111.8	111.8	111.7	111.8	112.1	112.2
GLASS AND GLASS PRODUCTS	}										1						
Flat glass, mfrs.' shipmentsth	ous. \$ 1,48	57,587	1,484,949		383,612			418,513			403,583			386,300			********
Glass containers:		25 000	004.450	01.505	15.450	00.007	22.050	05.400	00.00		05.455	0,011	05.005	*01.007	05.050	20.000	
Production †thous Shipments, total †thous	- ,	35,030 31,636	284,473 280,439	21,507 20,860	17,458 20,189	22,237 21,944	22,352 20,936	25,482 24,178	23,837 24,831	25,784 25,561	25,175 26,442	24,311 23,425	25,837 26,010	21,837	25,258 23,363	20,960 20,678	
Narrow-neck containers:		- 1							i I			, i		- '			
Food † Beverage	do (27,252 62,434	22,100 63,551	1,279 4,410	1,133 4,531	1,605 4,528	1,668 4,304	1,852 5,201	1,939 6,114	2,334 6,250	2,342 6,499	2,025 6,040	2,394 6,228	⁷ 2,066 ⁷ 5,061	1,767 5,242	1,337 4,727	
BeerLiquor and wine †		35,357 28,382	86,285 26,491	6,602 1,799	6,403 1,719	7,390 1,959	6,767 1,883	7,767 2,113	7,940 2,154	8,018 2,391	8,279 2,599	7,775 2,198	7,971	76,749 71,971	7,029 2,187	6,460 1,960	
Wide-mouth containers:	- 1	,	20,10.	2,100	1,120	1,000	. 1,000	2,110	2,101	2,001	2,000	2,100	,,,,,,	2,012	2,101	1,000	
Food and dairy products		62,673	66,675	5,372	4,908	5,635	5,402	6,351	5,810	5,621	5,885	4,779	6,390	r5,481	6,272	5,480	
Narrow-neck and wide-mouth container Medicinal and toilet	s: do	14,167	13,980	1,240	1,343	727	796	768	752	878	755	555	719	⁷ 702	777	649	
Chemical, household, and in- dustrial	f	1,371	1,357	158	152	100	116	126	122	79	83	53	86	771	89	65	
Stocks, end of period †		1,926	42,296	44,840	42,296	42,807	44,078	49,628	44,423	44,862	43,866	44,409	44,186	r43,820	44,590	45,027	
GYPSUM AND PRODUCTS		,	,,_	22,020	,	32,000	,		11,120		,	14,200	,	,	,	,	
Production:	ļ																
Crude gypsum (exc. byproduct)thous. sh Calcined		15,612 17,592		1,279 1,385	$\frac{1,460}{1,330}$	1,090 1,400	$1,160, \\ 1,300$	1,130 1,570	1,100 1,450	1,110 1,320	1,210 1,430	1,310 1,400	•••••				
Imports, crude gypsum		9,717	19,679	915	875	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		758	915	913	778						
Sales of gypsum products: Uncalcined	do	6,324	15,375	460	564	365	380	418	413	431	433	281					
Calcined: Industrial plasters	do	¹ 496	¹ 150	12	13	(4)											
Building plasters, total								0.1	/8)	(0)	(0)	(9)				[
(incl. Keene's cement)		1280 20,507	235 120,563	18 1,699	16 1,641	431 1,700	29 1.644	31 1,874	(2) 1,698	(2) 1,744	(2) 1,773	(2) 1,669				1	
Lath	do	23	21	2	1	1	2	2	2,000	1	2	1					
Veneer base	do	1479 1313	472 ¹ 311	40 18	37 30	40 20	39 18	42 22	43 22	47 24	40 25	35 22					
Regular gypsum board	do 1	13.920	¹ 13.888	1,043	1,005	1,027	1,010	1,134	997	1,036	1,061	984					
Type X gypsum board		4,489		468	453	484	460	542	500	507	520	501					
Predecorated wallboard5/16 mobile home board	do	¹ 128 ¹ 598	¹ 132 1605	10 65 55	10 53	10 61	9 51	10 62	67	10 62	9 59	9 59					
Water/moisture resistant board	do	1557	, 1550	55	53	56	55	61	58	58	57	57					
			ľ		Th	EXTILE	PROD	OUCTS	Γ. — —								
FABRIC	l																
Woven fabric, finishing plants: Production (finished fabric)mil. line														İ			
Cotton (finished fabric)mil. lin Cotton	do	 			······												
Inventories held at end of period				••••••						,						·····	
Cotton	do				······												
Manmade fiber and silk fabrics Backlog of finishing orders										***********							·····
Cotton	dol													• • • • • • • • • • • • • • • • • • • •	••••••	I	
Manmade fiber and silk fabrics	do									,		·····				ļ	
COTTON AND MANUFACTURES	-															Ì	
Cotton (excluding linters): Production:	}														F 00-		
Ginnings &thous. running Crop estimatethous. net weight l		$14,359 \\ 14,760$		11,698	14,277		······					90	382	981	5,806		⁵ 12,233
Consumptionthous running Stocks in the United States, total, end of	bales	7,446	7,294	509	³ 554	554	570	3734	611	631	₹781	545	663	³836			
period #thous. running	bales	13,722		17,115	16,062	14,809	13,705	12,349		9,951	8,580	6,985	17,382	16,195	15,157	13,917	12,796
Domestic cotton, total On farms and in transit	dol	$13,722 \\ 2,525$	1,957	17,115 4,838	16,062 1,957	14,809 1,081	13,705 1,026	12,349 993	707	1,076	8,580 1,219	6,985 450	17,382 11,807	16,195 11,147	$\substack{15,157 \\ 7,227}$	13,917 2,815	12,796 1,421
Public storage and compresses Consuming establishments	dol	10,555 642	13,524	11,722 555	13,524 581	13,141 587	12,048 631	10,734 622	9,353	8,229	6,760	5,929	4,975 600	4,458 590	7,227 7,378 552	10,558 544	10,786 589
		J-124	001	, ,,,,	901	}	001	1	020	0-20	1 501)	1	0.00	002	1	1

Unless otherwise stated in footnotes below, data through 1986 and		nual	19	88	L					19	39					,
methodological notes are as shown in Business Statistics: 1986	1987	1988	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2001.120 Oliveria 100	-	L	T	EXTIL	E PROI	OUCTS-	—Conti	nued								
COTTON AND MANUFACTURES—Cont.																
Cotton (excluding linters)—Continued	5,683	5.040	379	632	6440	684	610	610	672	233	850	480	466	495	496	
Exportsthous running bales Importsthous net-weight bales \$	3,083 2 363.7	1	57.5	(1)	61	(1) 52.8	619 1 55.6	610		57.2	(1) 59.5	(1)	(1) 63.8	(1)	(1)	P62.7
Price(farm), American upland \(\lambda \)cents per lb. Price, Strict Low Middling, Grade 41, staple 3.		1		55.3	!)	1		58.7	58.3	. [- 1	61.1	- (66.0 69.4	765.8 68.3	
(1½1e"), average 10 marketsents per lb Spindle activity (cotton system spindles):	363.1	³57.7	53:4	54.8	55.6	55.4	57.6	61.4	63.7	64.1	67.4	69.9	68.5	09.4	98.8	0.00
Active spindles, last working day, totalmil	11.6	11.5	11.4	11.5	11.3	11.2	11.1	11.1	11.1	11.2	10.8	10.7	10.7	10.7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Consuming 100 percent cottondo. Spindle hours operated, all	4.6	4.4	4.3	4.4	4.3	4.2	4.3	4.3	4.4	4.3	4.3	4.2	4.2			
fibers, totalbi Average per working daydo Consuming 100 percent cottondo		.302	6.0 .300 2.2	46.3 .251 42.2	5.8 .288 2.1	5.9 .293 2.2	47.2 .289 42.6	5.9 .296 2.2	6.0 .300 2.3	⁴7.5 .299 ⁴2.9	6.0 .301 1.8	10.8 7.313 2.1	7.9 7.317 42.8	5.8 .289		
Cotton cloth: Cotton broadwoven goods over 12" in width																
Production (qtrly.)	4,772	4,518		1,029			1,150			1,183						
Inventories, end of period, compared with avg. weekly productionno. weeks' prod	1					•••••				,					••••••	
Ratio of stocks to unfilled orders (at cotton mills), end of period	.												***************************************			
Exports, raw cotton equivalent thous. net-weight bales §	1	250.4	22.8	25.4								}				
Imports, raw cotton equivalent do	1,617.2		94.5	109.4												
Producer Price Index, gray cotton broadwovens1982=100	105.2	⁵ 114.4	112.5	112.3	112.4	111.3	110.9	110.9	110.5	110.1	109.4	r109.8	109.8	110.4	111.0	113.5
MANMADE FIBERS AND MANUFACTURES	1															
Fiber production, qtrly: Acetate filament yarnmil. lt	191.1	213.9		55.5			52.7			55.8L			56.7			
Rayon staple, including towdo. Noncellulosic, except textile glass:	413.8	399.8		92.6			100.8			101.2			83.2			
Yarn and monofilamentsdo. Staple, incl. towdo.	4,009.7 4,306.2	4,180.3 4,345.6		1,059.2 1,124.5			1,065.1 1,103.9			1,097.3 1,134.1			1,050.2 1,053.4	·····		
Textile glass fiberdo	1,000.						.,,,,,,,,,,,,									
Fiber stocks, producers', end of period: Acetate filament yarnmil. lk	14.2	11.4		11.4			11.3			~8.9			11.6			
Rayon staple, including towdo. Noncellulosic fiber, except textile glass:	1	14.0		14.0			11.7		i	15.8			18.1			
Yarn and monofilaments do Staple, incl. tow do	298.4 319.6	288.6 298.4		288.6 298.4			302.0 311.3			322.2 351.0			351.9 362.5			
Textile glass fiberdodo																
Production (qtrly.), totalmil. sq. yd Filament yarn (100%) fabricsdo.																
Chiefly rayon and/or acetate fabricsdo																***************************************
Chiefly nylon fabricsdododo																
Rayon and/or acetate fab- rics, blendsdo					}								.			
Polyester blends with cottondo Acetate filament and spun																
yarn fabricsdo Producer Price Index, gray synthetic																************
broadwovens1982=100	105.6	⁵ 112.7	113.9	114.6	114.3	112.0	112.2	112.2	112.1	113.1	114.7	⁷ 115.0	114.6	115.2	115.8	116.8
Manmade fiber textile trade: Exports, manmade fiber equivalentmil. lbs	591.87	684.75	56.77	59.98												
Yarn, tops, thread, clothdodododo	260.31 152.65	282.19 169.31	23.63 14.88	$27.32 \\ 15.64$												
Manufactured prods., apparel, furnishingsdo		402.56	33.14	32.66												
Imports, manmade fiber equivalentdo. Yarn, tops, thread, clothdo.	1,805,44 280,00		132.03 20.44	123.37 18.60												
Cloth, wovendodo Manufactured products, apparel,	182.52	179.23	13.64	12.47												
furnishingsdo. Apparel, totaldo.		991.03	111.59 71.62	$104.77 \\ 65.71$												
Knit appareldodo	485.36	443.03	32.72	26.73												
WOOL AND MANUFACTURES Wool consumption, mill (clean basis):	1				.	- 1										
Apparel class mil. lt Carpet class do	129.7 13.1	117.1 15.6	8.3 1.0	411.2 41.0	10.6	11.1 1.3	413.7 41.6	$10.4 \\ 1.6$	8.7 1.4	411.9 41.5	$\frac{9.3}{1.2}$	9.7	^{r4} 10.8 ^{r4} 1.8	· 9.4 1.3	9.2 1.0	
Wool imports, clean yielddodo	105.1 31.1	96.7 24.4	8.6 2.0	6.7 1.3	8.7 2.1	11.3 2.9	9.0 3.8	13.1 3.2	10.3 3.1	8.3 3.0	10.0 2.0	1.5 6.9 2.1	3.9 1.5	10.4 3.2	5.1 1.3	
Wool prices, raw, shorn, clean basis, delivered to U.S. mills:																
Domestic—Graded territory, 64's, staple 2%' and updollars per lb	2.65	4.38	4.75	4.50	4.50	4.38	4.10	3.75	3.75	3.65	3.50	3.50	3.50	3.50	3.33	3.00
Australian, 64's, Type 62, duty-paiddo. Wool broadwoven goods, exc. felts:	3.24	4.87	4.72	4.75	5.11	4.84	4.54	4.29	4.14	4.03	4,05	4.10	4.14	4.17	4.17	4.20
Production (qtrly.)mil. sq. yd	168.9	191.2		44.7			47.5			48.8						
FLOOR COVERINGS												ĺ	1			
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterly #mil. sq. yds	1,263.2	1,273.3		304.3	ļ		310.0			348.2			333.5			
APPAREL						}						ļ				
Women's, misses', juniors' apparel cuttings: † Coatsthous. units	23,982	18,416		4,234			3,618			4,564.						
Dresses	174,982 7,458			36,510 2,076	L		50,823			47,332 2,328						
Skirts do Slacks, jeans, dungarees, and	111,162			20,735			29,210			26,270						
jean-cut casual slacksdo. Blousesthous. dozen	294,791 30,595	276,364 33,721		69,088 7,916			74,400 9,931			78,626 9,992						······································
See footnotes at end of tables.	1	.,]	,	1		,,	"		,,,,,,,				1		

			~~~							, , ,						
Unless otherwise stated in footnotes below, data through 1986 and methodological notes are as shown in	Ans 1987	1988	198 Nov.	8 Dec.	Jan.	Feb.	Mar.	Apr.	May	June	9 July	Aug.	Sept.	Oct.	Nov.	Dec.
Business Statistics: 1986	1 1901	1566				l			May	June	July	Aug.	эерг.	Ott.	1101.	Dec.
	Τ	1	T	EXTIL	E PROI	OUCTS-	-Conti	nued				1			-	
APPAREL—Continued	Ì								ŀ							
Men's apparel cuttings: ‡‡ Suitsthous. units	12,296			3,558			4,103			3,626	.,					
Coats (separate), dress and sportdo. Trousers, slacks, jeans, pants, etcdo.	18,323 7481,667	17,435 428,231		4,191 94,252			4,574 110,884			3,990 124,710						
Shirts, dress and sportthous. doz. pairs	83,756	85,338	27,475	21,662 25,120	20 502	29,183	27,348 29,277	91 196	25,296	29,445 28,485	90.745	28,992	27,930	34,710		
rossery, simplifients	300,982	322,124	<u> </u>		29,503			31,136	25,290	20,400	30,745	20,992	21,950	54,110		
	1	1	T.	RANSP	ORTAT	TON E	QUIPM	ENT			 -					Γ
AEROSPACE VEHICLES	1															
Orders, new (net), total	366,264	3147,128 367,850														
Prime contractdo. ales (net), receipts, or billings,	3117,434	³ 143,421														
total do U.S. Government do do	3110,301 368,632	3113,548														
Backlog of orders, end of period #do	1									*************				***************************************		
U.S. Government do Aircraft (complete) and parts do	392,439 364,494	392,394														
Engines (aircraft) and partsdo.	315,521	³ 23,415												•••••		
Missiles, space vehicle systems, engines, propulsion units, and partsmil.	330,544	329,078	.													
Other related operations (conversions, modifications), products, services	l.	³17,895														
ircraft (complete):	1						.,									
Shipments do Exports, commercial do do	12,491.7	16,019.9 9,971	1,258.7 814	1,476.2 829	774.1 4620	1,016.2 810	1,597.2 1,320	1,364.5 1,241	1,394.3 1,104	1,613.0 1,117	1,414.4 1,378	1,792.8 1,020	2,331.4 1,836	1,385.0 1,322	1,079.2 485	
MOTOR VEHICLES (NEW)	1															
assenger cars: Factory sales (from U.S. plants):]		1													j
Totalthous	\$7,085		648 591	584 533	616 569	606 7544	654 585	651 584	671	612 7559	275 248	540 499	576 523	618	••••••	(2
Domesticdo Retail sales, total, not seas. adjdo	1 1	6,437 10,639	796	933 882	721	754	989 887	912	7616 973	899	248 849	977	840	569 750	686	e
Domestics §do.	7,081	7,539	554	617	512 209	554 201	642	667	710	641	603	685	610	524	474	e
Imports §do Total, seas. adj. at annual ratemil		3,099	243 10.1	$\frac{265}{11.4}$	9.9	9.9	246 9,7	245 10.8	262 10.3	258 99.8	245 10.2	291 11.4	230 10.7	226 8.8	213 8.5] .
Domestics §do Imports §do			7.2 2.9	8.4 3.1	7.1 2.8	7.0 2.8	6.8 2.9	7.6 3.2	7.5	97.0 92.9	7.5 2.8	8.3 3.1	7.8 2.8	$\frac{6.1}{2.7}$	6.0 2.5	,
Retail inventories, domestics, end of period: Not seasonally adjustedthous																
Not seasonally adjustedthous Seasonally adjusteddo.	1,680 1,701	1,601 1,619	1,631 1,663	1,601 1,619	1,736 1,649	1,810 1,667	1,838 1,690	1,836 1,702	1,844 1,709	1,845 *1,732	1,565 1,555	1,450 1,578	1,439 1,562	1,550 71,644	1,658 1,689	1,6
Inventory-retail sales ratio, domestics §		2.6		2.3	2.8	2.8	3.0	2.7	2.8	*3.0	2.5	2.3	2.4	3.2	3.4	
Exports (BuCensus), totaldo	627.65 561.88	765.12	68.50 48.98	58.24	455.68	71.74	82.94	80.16	71.37	62.74	39.04 26.87	48.34	57.88 48.08	68.81 47.87	67.31 45.02	
To Canada	4,589.0	4,450.2	409.2	40.61 415.7	440.14 4324.8	55.02 372.6	65.69 374.7	58.73 356.4	52.26 352.8	49.67 339.1	298.4	39.59 279.0	293.3	352.1	355.8	
From Canada, totaldo. Registrations \Diamond , total new vehiclesdo.		-	101.0 764	88.9 896	486.0 733	112.4 722	99.9 833	102.1	109.5 885	100.5 950	63.6 830	70.6 880	93.4 956	103.2 800	116.0 666	
Imports, including domestically			1		1	1		843]			1			f·	
sponsoreddo.	13,654	13,710	278	317	258	252	283	282	293	324	304	331	354	303	262	
Factory sales (from U.S. plants):	40.001							20-	200	000	000	0.5	010	000		1 ,
Total do Domestic do do	⁶ 3,821 ⁶ 3,509	4,121 3,795	351 323	327 303	365 338	373 343	401 366	365 334	390 362	383 358	220 205	347 328	316 289	300 275		(1
Retail sales, domestics:				050.0	222.2			200.0		000.4	000.0	4300	999.5	2000 4	200.0	96
Total, not seasonally adjusteddodo	3.786.1	4,195.1	355.0 328.0	359.2 329.0	326.8 300.1	337.7 313.1	405.2 375.6	398.9 368.6	421.8 391.2	389.4 359.1	389.9 361.7	410.3 382.1	382.5 357.0	326.4 297.6	326.8 304.1	29
10,001 ibs. Gv w and over do.	302.3	348.7	27.0	30.1	26.7	24.6	29.5	30.3	30.7	30.3	28.3 379.6	28.2	25.5 411.5	28.8	22.7 336.6	3
Total, seasonally adjusteddododododo			376.6 346.1	372.1 342.6	381.6 349.3	365.2 336.6	349.2 322.7	397.0 369.2	362.6 334.0	9351.9 9324.2	351.6	432.8 404.1	385.9	344.4 316.2	311.5	
10,001 lbs. GVW and over do. Retail inventories, domestics, end of period:			30.5	29.4	32.2	28.6	26.5	27.8	28.6	°27.6	28.0	28.7	25.6	28.2	25.1	:
Not seasonally adjustedthous	967.9			999.3	1,093.7	1,170.5	1,197.1	1,208.9	1,225.2	1,252.3	1,114.4	1,107.8	1,078.8	1,102.6		
Seasonally adjusted do Exports (BuCensus) do do	1,015.4 229.27			1,041.6 17.91	1,072.5 419.23	1,109.9 21.60	1,130.0 23.35	1,135.8 18.73	1,160.3 17.69	1,203.7 15.36	1,208.2 10.66		1,153.9 21.15	1,135.3 17.15		1,1
Imports (BuCensus), including separate chassis and bodiesdo	i	1,155.66	97.20	107.89	103.34	101.92	103.61	76.34	89.64	83.30	74.85	69.06	70.58	88.20	81.70	
Registrations &, new vehicles, excluding buse	s	15.011	900	445	051	054	400	407	440	100	400	441	400	400	971]
not produced on truck chassis thous ruck trailers and chassis, complete (exclude		15,211	398	445	371	374	428	427	446	477	430	441	493	423	371	
detachables), shipmentsnumber	180,142		15,394	15,436	14,141	14,223	16,247	16,395	15,234	15,034	11,427	15,850	13,302	713,378	12,186	
Van type	1		11,847	11,161	10,137	10,559	11,746	11,854	10,764	11,002	7,950	11,868	9,881	r9,697		ĺ
railer chassis (detachable), sold	1	1	1	563	(11)											1
separatelydo	23,014	37,729	3,548	2,645	¹¹ 1,789	1,857	2,180	2,183	3,047	2,613	1,016	1,309	1,557	⁷ 1,527	1,472	
RAILROAD EQUIPMENT reight cars (new), for domestic use; all	1															
railroads and private car lines (excludes	1											}				
rebuilt cars and cars for export): Shipmentsnumber	13,645	22,524	ļ	7,864	<u> </u>		7,286			7,838		<u> </u>	6,821			
Equipment manufacturersdo New ordersdo	13,645	22,524		7,864 8,044			7,286 11,040		,	7,838 5,649			6,821 6,117			
Equipment manufacturersdo	18,504	28,871		8,044			11,040			5.649			6,117	•••••	[
Unfilled orders, end of perioddo Equipment manufacturersdo		15,953 15,953		15,953 15,953			19,707 19,707			16,398 16,398	· · · · · · · · · · · · · · · · · · ·		15,694 15,694	·····		
reight cars (revenue), class I railroads(AAR):	ŧ I					,	· ·							200	20.	
Number owned, end of period thouse Capacity (carrying), total, end of month	1	1	i	725		721	721	715		712	710		703	698	}	
Average per carton	63.63 85.01			62.46 86.17	62.34 86.16	62.19 86.24	62,26 86.34	61.81 86.48	61.77 86.52	61.57 86.58	61.45 86.55		60.93 86.65	60.54 86.71	60.24 86.82	
		1 00.11	1 55.56	J	J	30.24	30.04	1 70.20	20.02	30.00	50.00	30.51		302		

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 Tables 2.6 2.9 in the July 1989 SURVEY for revised estimates for
- ‡ 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 Oct. 1987 SURVEY, the industrial production index has been revised back to Jan. 1985. These revisions are available upon request.
- # Includes data not shown separately.

 ‡ Effective Sept. 1988 SURVEY, data have been revised back to January 1982. Revised data appear in the report "Manufacturing and Trade Inventories and Sales" CB-88-146, available from the Bureau of the Census, Washington, DC 20233.
- § Revised series. Data have been revised back to 1985. Revisions are available upon

Page S-3

- # Includes data for items not shown separately.

 † Revised series. Data have been revised back to 1982. A detailed description of the changes appear in the report "Manufacturers' Shipments, Inventories, and Orders: 1982-88" M3-1(88), available from the Bureau of the Census, Washington, DC 20233.
 - ‡ See note "‡" for p. S-2. § See note "§" for p. S-2.

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
- 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

- @ 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-6.

 † See note "†" for p. S-3.

Page S-6

- § Effective with the release of the January 1988 index, all producer price indexes previously expressed on a base of 1967=100, or any other base through December 1981, have been rebased to 1982=100. Historical data on the new base are available upon request. 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
- # Includes data for items not shown separately.

 † Effective with the release of the January 1988 index, all consumer price indexes previously expressed on a base of 1967=100, or any other base through December 1981, have been rebased to 1982-84=100. Historical data on the new base are available upon request. Beginning with January 1987, data are calculated using 1982-84 expenditure patterns and updated population weights. Additional information regarding these changes is available from the Bureau of Labor Statistics, Washington, DC 20212.

 ‡ Effective with the Feb. 1989 SURVEY, data have been revised back to 1984 and are
- available upon request.

Page S-7

- 1. Computed from cumulative valuation total.
- Index as of Jan. 1, 1990: building, 395.7; construction, 435.0.
 Beginning Dec. 1988, series has been discontinued by the Bureau of the Census.
- Includes data for items not shown separately.
- § Data for Dec. 1988, and Mar., June, and Aug. 1989 are for five weeks; other months
- ♦ Effective Feb. 1989 SURVEY, data for seasonally adjusted housing starts have been revised back to 1986. Effective Feb. 1988 SURVEY, data for seasonally adjusted housing starts have been revised back to 1985. These revisions are available upon request
- † Effective May 1989 SURVEY, data for seasonally adjusted building permits have been revised back to 1987. Effective May 1988 SURVEY, data for seasonally adjusted building permits have been revised back to Jan. 1986. These revisions are available upon request

Address requests for data to:

Business Statistics Branch Current Business Analysis Division Bureau of Economic Analysis U.S. Department of Commerce Washington, D.C. 20230

- @ Effective July 1989 SURVEY, data have been revised back to 1985. In addition to the normal revisions to the unadjusted and seasonally adjusted data, some total components have been revised back to 1975 due to revised data for the "Telecommunications" category. See note "*" for this page. Effective July 1988 SURVEY, the "Improvements" component of private residential buildings has been revised back to 1982 to adjust for a change in estimation of the monthly data. Revised data are available from the Construction Statistics
- Division at the Bureau of the Census, Washington, DC 20233.

 ‡ Effective July 1989 SURVEY, data have been revised back to 1975 and are available
- upon request.

 * The "Telephone and telegraph" category has been renamed "Telecommunications" and now includes estimates for television cable construction. Data were revised back to
- †† Effective Nov. 1989 SURVEY, data have been revised back to 1980 and are available upon request.

Page S-8

- 1. Advance estimate
- 2. Beginning with Feb. 1989 data, associations in conservatorship are excluded.
- ♦ Home mortgage rates (conventional first mortgages) are under money and interest rates on p. S-14.
- § Data include guaranteed direct loans sold.
- # Includes data for items not shown separately.

 @ Effective Oct. 1987 SURVEY, data are for closed mortgage loans of thrift institutions insured by the Savings Association Insurance Fund (SAIF)—FSLIC-insured institutions prior to Sept. 1989. Historical data back to 1976 are available upon request.
- † Effective April 1989 SURVEY, wholesale trade data have been revised back to Jan. 1983. Revised data and a summary of changes appear in the report. Revised Monthly Wholesale Trade Sales and Inventories BW-13-88S, available from the Bureau of the Census, Washington, DC 20233.
- ‡ Effective April 1989 SURVEY, retail trade data have been revised. Estimates of retail sales and inventories have been revised back to January 1983. A revision in 1988 revised some series back to 1978. Revised data and a summary of changes appear in the report Revised Monthly Retail Sales and Inventories BR88-R, available from the Bureau of the Census, Washington, DC 20233.
- †† Beginning with data for 1988, data will be reported on a quarterly basis only.

Page S-9

- 1. Advance estimate.
- # Includes data for items not shown separately.
- ★ Effective with the January 1990 SURVEY, the seasonally adjusted labor force series have been revised back to January 1985. The January 1990 issue of Employment and Earnings contains the new seasonal adjustment factors, a description of the current methodology, and revised data for the most recent 13 months or calendar quarters. Revised monthly data for the entire 1985-89 revision period will appear in the February 1990 issue of Employ-
- † 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.
 § Effective with the June 1988 and 1989 issues of the SURVEY, data have been revised, respectively, back thru April 1986 and 1987 (not seasonally adjusted) and January 1983 and 1984 (seasonally adjusted) to reflect new benchmarks and seasonally adjustments factors. The June issue of Employment and Earnings (for both years) contains a detailed discussion of the effects of these revisions.

Page S-11

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

Page S-12

- 1. This series is not seasonally adjusted because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision. Use the corresponding unadjusted series.
- The hourly earnings index has been discontinued. See note "§" for p. S-10.

- Production and nonsupervisory workers.
 Earnings in 1977 dollars reflect changes in purchasing power since 1977 by dividing by Consumer Price Index. Effective Feb. 1988 SURVEY, this series has been revised back to 1983 to reflect new seasonal factors for the CPI-W. Revised data are available upon request.
- §§ Wages as of Jan. 1, 1990: Common, \$18.10; Skilled, \$23.71.
 † Excludes farm, household, and Federal workers.
 ‡‡ See note "‡" for p. S-11.

Page S-13

- 1. Beginning with Jan. 1988 data, the number of respondents in the bankers acceptance survey was reduced from 155 to 111 institutions—those with \$100 million or more in total acceptances. The new reporting group accounts for over 90 percent of total acceptances
- 2. Effective December 31, 1987, eight brokers and dealers in commercial paper were added to the reporting panel resulting in a series break. End of month figures on the old basis are as follows: All issuers, 352,915; financial companies, 275,907; dealer placed, 103,667; directly placed, 172,240; and nonfinancial companies, 77,008.
 - 3. Average for Dec.
- 4. Pursuant to the 1987 Agricultural Credit Act, the FICBs merged with the FLBs on July 6, 1988. Loans for the combined FLBs, FLBAs, FICBs, and PCAs for the third and fourth quarter 1988, and first quarter 1989, in millions are: \$42,849, \$41,438 and \$40,337 respectively.
- 5. 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.

 † Effective Aug. 1988 SURVEY, free reserves have been restated to correspond with the
- Federal Reserve's computation, which is as follows: excess reserves, minus borrowings, plus extended credit. Historical data back to 1961 are available upon request.
- ‡ Effective Oct. 1989 SURVEY, data have been revised from 1984 forward. Effective Jan. 1988, series revised due to changes in the panel of reporting banks. The new reporting panel of 168 banks accounts for about 52 percent of total assets in U.S. offices of domesticallychartered banks.
 - 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).
- New series. Source: The Employment and Training Administration. Covers 50 States and the District of Columbia. Only regular benefits are included.
- @ Average weekly insured unemployment for 12-month period divided by average monthly covered employment (lagging 4 full quarters for annual figure and 2 full quarters for monthly
- figure).

 ** Effective Oct. 1989 SURVEY, loans by loan type are provided by the Federal Farm

Page S-14

- 1. Data are for fiscal years ending Sept. 30 and include revisions not distributed to the
- 2. Weighted by number of loans.
- 3. Beginning Feb. 1988, data temporarily suspended by the Farm Credit Administration, which is revising the information it collects and amending the reports it distributes.

 § Effective Aug. 1989 SURVEY, data have been revised to reflect new benchmark adjust-
- ments. In addition, data for 1984 forward include a number of institutions excluded from earlier data. Effective Apr. 1989 SURVEY, data have been revised to reflect new benchmark
- and seasonal adjustments. These revisions are available upon request.

 † Effective with May 1989 SURVEY, the consumer installment credit series have been revised from 1986 through 1988 to reflect more complete data for most lender groups and new seasonal factors. Effective Apr. 1988 SURVEY, the consumer installment credit series have been revised back to Jan. 1980 to reflect newly available historical information and to # Includes data for items not shown separately.
- Excludes loans to commercial banks in the U.S.
- ‡ Rates on the commercial paper placed for firms whose bond rating is Aa or the equiva-
- ‡‡ Courtesy of Metals Week.
- (a) Average effective rate
 (a) Revised for periods between October 1986 and April 1987. During this interval, outstanding gold certificates were inadvertently in excess of the gold stock.

Page S-15

- 1. Beginning in the first quarter 1987, the universe of manufacturing corporations was redefined to exclude corporations with less than \$250,000 in assets at the time of sample
- 2. Beginning Jan. 1989, the primary public offering statistics have been discontinued by Securities and Exchange Commission.
 Effective Feb. 1989 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.

 § Effective with the Mar. 1989 SURVEY, data have been revised back to 1986 and are available upon request. Effective Apr. 1988 SURVEY, 1987 data have been revised. Revisions for Jan. 1987: long-term, 7,486; short-term, 372.

Page S-16

- 1. The railroad average was discontinued by Moody's on July 13, 1989. Therefore, the
- July average reflects only eight working days.

 (a) See note "4" for p. S-19 regarding the new commodity classification systems introduced Jan. 1989. Effective with the July 1989 SURVEY, seas. adj. data have been revised back to Jan. 1987 and unadj. exports and imports back to Jan. 1988. Effective with the

- June 1988 SURVEY, total exports and imports have been revised back to Jan. 1986. These revisions are available upon request. 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
- † Effective with the June 1988 SURVEY, seasonal adjustment of exports and imports was reintroduced. The monthly data were last adjusted for December 1985. Historical data from Jan. 1986 forward are available upon request.
- § 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.
 - Series added to the S-pages in May 1989.

Page S-17

- 1. Beginning with Jan. 1989 data, undocumented exports to Canada are now included, resulting in a break with Dec. 1988 data.
- 2. Beginning Jan. 1989, buses are excluded from "Motor vehicles and parts" and included in "Other manufactured goods," resulting in a break with Dec. 1988 data.
- @ See note "@" for p. S-16.

 † See note "†" for p. S-16.

- | The line | The post of the line | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | Horizon | import totals.

 * Series added to the S-pages in May 1989.

Page S-18

- 1. Reported annual total; quarterly or monthly revisions are not available.
- For month shown
- 3. Beginning Aug. 1989, the export and import indexes have been discontinued by the Census Bureau.
- Includes data for items not shown separately.

 § Total revenues, expenses, and income for all groups of carriers also reflect nonscheduled
- ‡ 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 schednied rates.

 ## Data represent entries to a national park for recreational use of the park, its services, conveniences, and/or facilities.
- † Before extraordinary and prior period items.

 @ Changes in these unit value indexes may reflect changes in quality or product mix as well as price changes.
- †† Effective with the Dec. 1989 SURVEY, data for 1981-86 have been revised and are available upon request.

Page S-19

- 1. Reported annual total; monthly or quarterly revisions are not available.
- Less than 500 metric tons.
- Figure suppressed because it did not meet Census publication standards.
- 4. Effective with the Apr. and May 1989 issues of the SURVEY, most foreign trade series in the "S-Pages" have been converted to metric units. Also, 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
 - 5. Effective with the July 1989 SURVEY, data are shown in metric tons.
 - 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.
- ♦ Beginning January, 1986, data are not directly comparable to earlier periods because the data represent only companies that have annual revenues over \$100 million.

Page S-20

- Reported annual total; monthly or quarterly revisions are not available.
 Quarterly data are no longer available. See also note 4 for this page.
- See note 4 for p. S-19.
- Effective with the July 1989 SURVEY, data are shown in metric tons.
- Data are not wholly comparable from year to year because of changes from one classification to another.
 - As of the Nov. 1989 SURVEY, revisions are available upon request.
- Includes less than 500 electric generation customers not shown separately.
 Effective with the Apr. 1989 SURVEY, revisions back to 1983 are available upon request.
 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).
- Crop estimate for the year. See also note 13 for this page
- Stocks as of June 1.
 Stocks as of June 1 and represents previous year's crop; new crop not reported until June (beginning of new crop year).
- Crop estimate for 1989.
- 6. Stock estimates are available once a year as June 1 stocks and shown here in the May column and (as previous year's crop) in the annual column. See also note 13 for this page
- Stocks as of Dec. 1.
- See note "§" for p. S-6 regarding a change to a new reference base in 1988.
- 9. Prices are no longer available.

- 10. Based on quotations for fewer than 12 months.
- 11. See note 4 for p. S-19.12. Series has been discontinued
- 13. Effective with the May 1989 SURVEY, data have been converted to metric units.
- § 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

- Monthly quotation not available.
 See note "§" for p. S-6 regarding a change to a new reference base in 1988.
 See note "†" for this page.
 Series has been discontinued by the source.

- 5. Series use each discontinued by the source.

 6. See note 4 for p. S-19.

 ‡ Beginning with Sept. 1988 and annual 1988 data, price represents dollars per head and is not comparable with earlier prices, which represent dollars per 100 pounds.

 † Effective with the release of 1st Qtr. 1988 data, the import price index for coffee has been discontinued by BLS and replaced in the SURVEY with the import price index for coffee and coffee substitutes. The weighting structure used for the import price index reflects U.S. foreign trade flows based on 1985 data. Indexes, beginning with 2nd Qtr. 1975, are available upon request.

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 "\$" for p. S-6 regarding a change to a new reference base in 1988.

 5. See note 4 for p. S-19.

 6. Crop estimate for 1989.

- # Totals include data for items not shown separately.

 ♦ Effective Nov. 1989 SURVEY, data have been revised for 1987 and 1988. Effective Oct. 1988 SURVEY, data have been revised for 1986.

Page S-24

- 1. Reported annual total; monthly revisions are not available.
- See note "\$" for p. S-6 regarding a change to a new reference base in 1988.
 Less than 500 tons.

- See note 4 for p. S-19. Effective with the July 1989 SURVEY, data have been converted to metric tons.
- * New series from the American Metal Market. The composite scrap price represents the average of consumers' buying prices, delivered, at the following markets: Chicago, Pittsburgh, and Philadelphia. Annual and monthly composite price data are available back to January 1982.

Page S-25

- 1. Reported annual total; monthly revisions are not available
- 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
- 4. Prior to the July 1989 SURVEY, annual and monthly data for 1984-88 for aluminum imports and exports were shown incorrectly in thousands of short tons. Beginning with the July 1989 SURVEY, data for those periods have been converted to thousands of metric tons @ Beginning 1987, includes foreign ores. § Source: Metals Week

Page S-26

- 1. Reported annual total; monthly revisions are not available.
- Less than 50 tons
- See note 3 for p. S-25.
- > Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap.

 Source for monthly data: American Bureau of Metal Statistics. Source for annual
- data: Bureau of Mines.
- Includes data not shown separately.
- New series from The Material Handling Institute, Inc. and Cahners Economics. Includes bookings (new orders) for automatic guided vehicles, automated storage and retrieval systems, below hook lifters, cranes, hoists, monorails, racks, shelving, casters and floor trucks, and conveyors. Annual and quarterly historical data back to 1972 are available upon request.
 - @@ Beginning Oct. 1986, the Lead price represents North American Mean.

Page S-27

- See note "\$" for p. S-6 regarding a change to a new reference base in 1988.
 See note 4 for p. S-19.
- Annual total includes revisions not distributed to the months Includes data for items not shown separately.
- § Includes nonmarketable catalyst coke. See also note "††" for this page.
- ♦ Includes small amounts of "other hydrocarbons and alcohol new supply (field production)," not shown separately.
- Effective with the Oct. 1987, 1988, and 1989 issues of the SURVEY, coal production data for 1986, 1987, and 1988, respectively, have been revised. Effective with the May 1988

- SURVEY, coal consumption and stocks back through 1986 have been revised. These revisions are available upon request.
- †† Effective with the June 1988 and Aug. 1989 issues of the SURVEY, data for 1987 and 1988 respectively, have been revised and are available upon request.
- ‡‡ 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.
- Reported annual total; revisions not allocated to the months.
 See note "\$" for p. S-6 regarding a change to a new reference base in 1988.
 See note 4 for p. S-19.
 Includes data for items not shown separately.
 Except for price data, see note "††" for p. S-27.

- 1. Reported annual total; revisions not allocated to the months.
- See note "\$" for p. S-6 regarding a change to a new reference base in 1988.
 See note 4 for p. S-19.
- ♦ Source: American Paper Institute. Total U.S. estimated consumption by all newspaper users
- # Compiled by the American Newspaper Publishers Association.
 † Effective with the April 1988 SURVEY, the import price index for natural rubber has been revised. The index is now expressed on a base of 1985=100. Also new weights based on 1985 trade flows have been applied to all data from 1985 onward. Revised data are available back to 4th qtr. 1983.

Page S-30

- 1. Reported annual total: revisions not allocated to the months.
- Data are being withheld to avoid disclosing data from individual firms
- Data cover five weeks; other months, four weeks.
 Beginning Jan. 1989, sales of industrial plasters are included with building plasters.
- Jan. 1, 1990 estimate of the 1989 crop
- # Includes data for items not shown separately
- Cumulative ginnings to the end of month indicated.
- Bales of 480 lbs.
- Data for 1987 and 1988 have been revised and are available upon request.

Page S-31

- 1. Less than 500 bales.
- Annual total includes revisions not distributed to the months.
- Average for crop year; Aug. 1-Jul. 31. For five weeks; other months four weeks.
- See note "\$" for p. S-6 regarding a change to a new reference base in 1988. See note 4 for p. S-19.
- ♦ Based on 480-lb. bales, preliminary price reflects sales as of the 15th; revised price reflects total quantity purchased and dollars paid for the entire month (revised price includes
- # Beginning 1st Qtr. 1986; quarterly data are estimated by the American Textile Manufacturers Institute based on annual data collected by the Bureau of Census
 - Bales of 480 lbs.
- § Bales of 480 lbs.

 † Beginning 1st Qtr. 1987, data are not comparable with earlier periods. Girls apparel are now included with women's, misses' and juniors' and boys' apparel are now included with men's. Also, some classification changes were made.

Page S-32

- 1. Annual total includes revisions not distributed to the months.
- Production of new vehicles (thous. of units) for Dec. 1989: passenger cars,429; trucks and buses, 264.
- Data are reported on an annual basis only.
- See note 4 for p. S-19.
 Beginning with January 1987, data include Honda, Nissan, and Toyota passenger cars produced in U.S. plants.
- 6. Beginning with January 1987, data include Nissan trucks produced in U.S. plants.
 7. Beginning with 1st qtr. 1987, jeans, jean-cut casual and dungarees are included with
- See note "†" for this page.
 Effective with the July 1988 and 1989 issues of the SURVEY, data have been revised back thru 1985 and 1986, respectively, and are available upon request.

 10. Data for jumpers are included with dresses to avoid disclosing information for indi-
- vidual companies. 11. Beginning Jan. 1989, shipments of trailer bodies are included with trailer chassis to avoid disclosure of data from individual firms.
- # Total includes backlog for nonrelated products and services and basic research.

 § 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 other cars.
- Ourtesy of R.L. Polk & Co.; republication prohibited. Because data for some states are not available, month-to-month comparisons are not strictly valid.

 ‡ Excludes railroad-owned private refrigerator cars and private line cars
- † Effective with the Mar. 1988 SURVEY, retail inventories for trucks and buses have been restated to exclude captive imports (vehicles manufactured overseas by U.S. affiliates). These data are available back through 1966.

 ‡‡ See note "†" for page S-31.

Index to Current Business Statistics

Sections		Disposition of percent income	4	Material andre visita
General:		Disposition of personal income	1 20	National parks, visits
Business indicators	1-5		1, 15	New York Stock Exchange, selected data
Commodity prices	5, 6		8, 9	Nonferrous metals
Domestic trade	7, 8 8, 9	Earnings, weekly and hourly	12	Oats
Labor force, employment, and earnings	9-13	Eating and drinking places	8, 9	Orders, new and unfilled, manufacturers'
Finance	13–16 16–18	Eggs and poultry	5, 22	Outlays, U.S. Government
Transportation and communication	18, 19		2, 20	Paint and paint materials
·		Electrical machinery and equipment 2–5, 10–12, 15		Paper and products and pulp
Industry:	40.00	Employee-hours, aggregate, and indexes	11 10–12	Parity ratio
Chemicals and allied products	19, 20 20		16-18	Passenger cars
Food and kindred products; tobacco	20-23			Personal consumption expenditures
Leather and products ,	23	Failures, industrial and commercial	5 5, 6	Personal income
Lumber and products	23, 24	Fats and oils	17	Personal outlays
Metals and manufactures	24–27 27, 28	Federal Government finance	14 13	Petroleum and products
Pulp, paper, and paper products	28, 29	Federal Reserve System	13	Plastics and resin materials
Rubber and rubber products	29	Fertilizers	19	
Stone, day, and glass products	30	Fish	22 24	Pork 22 Poultry and eggs 5, 22
Textile products Transportation equipment	30–32 32	Flour, wheat	22	Price deflator, implicit (PCE)
Haispotation equipment	32	Fluid power products	26	Prices (see also individual commodities) 5, 6
Footnotes	32-35	Food products		Printing and publishing
Individual Series		Foreign trade (see also individual commod.)	16-18 32	Private sector employment, hours, earnings
maryiduai Series		Fruits and vegetables	5	Producer Price Indexes (see also individual commodities)
Advertising	8, 12	Fuel oil	6, 28	Public utilities
Aerospace vehicles	32 13	Fuels	27, 28 27	Pulp and pulpwood
Agricultural loans	18	Furniture		Purchasing power of the dollar
Air conditioners (room)	27	Gas, output, prices, sales, revenues	6 20	Radio and television
Aircraft and parts		Gasoline	28	Railroads
Alcohol, denatured and ethyl	19	Glass and products	30	Rayon and acetate
Alcoholic beverages	8, 20 25	Glycerin	19 14	Real estate
Apparei	2, 31, 32	Grains and products		Receipts, U.S. Government
Asphalt	28	Grocery stores	9	Registrations (new vehicles)
Automobiles, etc	5, 17, 32	Gypsum and products	30	Rent (housing)
Banking	13, 14	Hardware stores	8	Retail trade
Barley	21	Heating equipment	26	Rice
Battery shipments	27 22	Help-wanted advertising index Hides and skins	12 6	
Beverages	8, 17, 20	Hogs	22	Saving, personal
Blast furnaces, steel mills	3–5 15, 16	Home loan banks, outstanding advances	8	Savings institutions
Brass and bronze	26	Home mortgages	8	Securities issued
Brick	30	Hotels, motor hotels, and economy hotels	18 11	Security markets
Building and construction materials	2, 4, 5	Housefurnishings		Sheep and lambs
Building permits	7	Household appliances, radios, and television sets	27	Shoes and other footwear
Business incorporation (new), failures	5	Housing starts and permits	7	Silver
Business sales and inventories	2, 3 21	Imports (see also individual commodities)	17, 18	Steel and steel manufactures
Butter		Income, personal	1	Stock market customer financing
Carpets	31	Income and employment tax receipts	14	Stock prices, yields, sales, etc
Cattle and calves	22 30	Industrial production indexes: By industry	1, 2	Sugar
Cement	9	By market grouping	1, 2	Sulfur
Cheese		Installment credit	14	Sulfuric acid
Cigarettes and cigars	23	Instruments and related products	10-12 14	Synthetic textile products
Clay products	2–4, 30	Inventories, manufacturers' and trade		Tea imports
Coal	2, 27 22	Inventory-sales ratios	3	Telephone carriers
Cocoa	22	iron and steel	24, 25	Television and radio
Coffee	22 27	Labor force	9, 10	Tin
Coke	26	Lamb and mutton	22 26	Tires and inner tubes
Communication	15, 19	Leather and products		Tractore 2
Contracts	7		5, 22 8, 13	Trade (retail and wholesale)
Costs	10-12	Lubricants	28	Transit lines, urban
Housing starts	7	Lumber and products 2, 6, 10–12, 2	23, 24	Transportation equipment
New construction put in place	7	Machine tools	26	Travel
Consumer credit	14 1, 2	Machinery		Trucks
Consumer Price Index	5,6	Manufacturers' sales (or shipments), inventories, orders	3–5	Uncomplayment and incurrence
Copper and copper products	25, 26	Manufacturing employment, unemployment, production workers, hours, earnings	10-12	Unemployment and insurance 9, 10, 1 U.S. Government bonds 1
Corn	21 5. 6	Manufacturing production indexes	1, 2	U.S. Government finance
Cotton, raw and manufactures	5, 30, 31	Meat animals and meats	5, 22	Utilities
Credit, commercial bank, consumer	14	Medical care	6 24-26	Variety stores
Crops 5, 2 Crude oil	21-23, 30 . 3, 27	Mik	21	Vegetables and fruits
Currency in circulation	15	Mining 2, 1 Mobile homes, shipments, installment credit		Wages and salaries
Dairy products	5, 21/	Monetary statistics	7, 14 15	Washers and dryers
Debt, U.S. Government	5, 217	Money and interest rates	14	Water heaters 2 Wheat and wheat flour 21, 2
Deflator, PCE	1	Money supply	15	Wholesale trade
Department stores, sales, inventories	9 13, 15	Mortgage applications, loans, rates	13, 14 18	Wood pulp
Dishwashers and disposers	27	Motor vehicles		Wool and wool manufactures
,			-	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

BEA Information

BEA's economic information is available in publications, on computer tapes, on diskettes, and through a variety of other products and services. Most of these are described in *A User's Guide to BEA Information*. For a copy, send a self-addressed stamped envelope (81/2 by 11 inches, with 75 cents postage) to Public Information Office, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC 20230.

Available From GPO

TO ORDER: The GPO publications listed below must be ordered from: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Payment may be by check (made payable to Superintendent of Documents) or charged to a GPO deposit account number, VISA, or MasterCard. To order by phone: (202) 783-3238; by fax (202) 275-0019.

Survey or Current Business. Contains estimates and analyses of U.S. economic activity. Features include a review of current economic developments; articles pertaining to BEA's work on the national, regional, and international economic accounts and related topics; quarterly national income and product accounts tables; and 36 pages of tables that present over 1,900 major economic series obtained from other public and private sources. Monthly. Annual subscription: \$18.00 second class mail, \$43.00 first class mail. Single copy: \$6.50.

Business Conditions Digest. Contains tables and charts for 300 series, including business cycle indicators and other series that help evaluate business conditions. Features the composite indexes of leading, coincident, and lagging indicators. Also included are cyclical comparison charts and data sources. Monthly. \$4.00 single copy; \$44.00 per year.

The National Income and Product Accounts of the United States, 1929–82: Statistical Tables. (1986) Contains detailed estimates of the national income and product accounts for 1929–82 from the comprehensive revision released in 1985. Also includes definitions of the major components of the accounts and of the major sectors of the economy. 442 pages. \$23.00 (GPO Stock No. 003-010-00174-7).

BEA Methodology Paper No. 1: Introduction to National Economic Accounting. (1985) Introduces the concepts of the national income and product accounts by placing these accounts within the framework of national economic accounting. Shows how the national income and product accounts, capital finance accounts, and input-output accounts—the major branches of national economic accounting in the United States—are derived from the conventional accounting statements. 19 pages. \$1.25 (GPO Stock No. 003-010-00158-5).

BEA Methodology Paper No. 2: Corporate Profits: Profits Before Tax, Profits Tax Liability, and Dividends. (1985) Describes the concepts, sources, and methods of the corporate profits components of the national income and product accounts. 61 pages \$2.50 (GPO Stock No. 003-010-00143-7).

BEA Methodology Paper No. 3: Foreign Transactions. (1987) Describes the preparation of estimates in the national income and product accounts (NIPA's) of net exports (both current- and constant-dollar), transfer payments to foreigners, capital grants received by the United States, interest paid by Government to foreigners, and net foreign investment. Also describes the relationship between foreign transactions estimates in the NIPA's and those in the balance of payments accounts. 52 pages. \$2.75 (GPO Stock No. 003-010-00178-0).

BEA Methodology Paper No. 4: GNP: An Overview of Source Data and Estimating Methods. (1987) Provides basic information about GNP, including the conceptual basis for the account that presents GNP, definitions of each of the components on the income and product side of that account, and a summary, presented in tabular form, of the source data and methods used in preparing estimates of current- and constant-dollar GNP. Also provides an annotated bibliography, with a directory, of the more than 50 items over the last decade that provided methodological information about GNP. 36 pages. \$2.00 (GPO Stock No. 003-010-00179-8).

BEA Methodology Paper No. 5: Government Transactions. (1988) Presents the conceptual basis and framework of government transactions in the national income and product accounts; describes the presentations of the estimates; and delineates the sources and methods used to prepare estimates of Federal transactions and of State and local transactions. 112 pages. \$5.50 (GPO Stock No. 003-010-00187-9).

Index of Items Appearing in the National Income and Product Accounts Tables. (1987) Indexes general subject areas as well as detailed line items in the national income and product accounts tables. 18 pages. \$1.25 (GPO Stock No. 003-010-00180-1).

Fixed Reproducible Tangible Wealth in the United States, 1925–85. (1987) Contains annual estimates of the stock of privately owned and government-owned durable equipment and structures and of durable goods owned by consumers in the United States for 1925–85. Estimates are for fixed nonresidential private capital by major industry group (farm, manufacturing, and nonfarm nonmanufacturing), for residential capital by tenure group (owner-occupied and tenant-occupied), for government-owned fixed capital by type of government (Federal and State and local), and for 11 types of durable goods owned by consumers. 400 pages. \$18.00 (GPO Stock No. 003-010-00177-1).

State Personal Income: 1929-87. (1989) Contains annual estimates for 1929-87 of total personal income, annual estimates for 1948-87 of disposable personal income, and quarterly estimates for 1969-88 of total personal income. Also contains a statement of methodology. 320 pages. \$16.00 (GPO Stock No. 003-010-00197-6).

Local Area Personal Income, 1982-87. (1989) Contains estimates of personal income by major type of payment and earnings by major industry, population, and total and per capita personal income for regions, States, counties, and metropolitan areas.

Vol. 1. Summary: Regions, States, and Metropolitan Areas. Estimates for the United States, regions, States, and metropolitan areas. Also contains county definitions of metropolitan areas, a detailed description of sources and methods, and samples of tables available. 254 pages. \$14.00 (GPO Stock No. 003-010-00192-5).

Vol. 2. New England, Mideast, and Great Lakes Regions. (CT, DE, DC, IL, IN, ME, MD, MA, MI, NH, NJ, NY, OH, PA, RI, VT, WI) 276 pages. \$15.00 (GPO Stock No. 003-010-00193-3).

Vol. 3. Plains Region. (IA, KS, MN, MO, NE, ND, SD) 190 pages. \$11.00 (GPO Stock No. 003-010-00194-1).

Vol. 4. Southeast Region. (AL, AR, FL, GA, KY, LA, MS, NC, SC, TN VA, WV) 326 pages. \$17.00 (GPO Stock No. 003-010-00195-0).

Vol. 5. Southwest, Rocky Mountain, and Far West Regions and Alaska and Hawaii. (AK, AZ, CA, CO, HI, ID, MT, NV, NM, OK, OR, TX, UT, WA, WY) 278 pages. \$15.00 (GPO Stock No 003-010-00196-8).

Foreign Direct Investment in the United States: 1987 Benchmark Survey, Preliminary Results. (1989) Presents preliminary results of BEA's 1987 benchmark survey of foreign direct investment in the United States. Contains information on the financial structure and operations of U.S. affiliates of foreign direct investors in 1987. Data are classified by industry of U.S. affiliate, by country and industry of ultimate beneficial owner, and, for selected data, by State. 100 pages. \$5.00 (GPO Stock No. 003-010-00188-7).

Foreign Direct Investment in the United States; Operations of U.S. Affiliates of Foreign Companies, Revised 1986 Estimates. (1989) Contains information on the financial structure and operations of nonbank U.S. affiliates of foreign direct investors. Data are classified by industry of U.S. affiliate, by country and industry of ultimate beneficial owner, and, for selected data, by State. 160 pages. \$3.25 (GPO Stock No. 003-010-00190-9).

U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates. (1989) Presents results of BEA's annual survey of the worldwide operations of U.S. multinational companies. Contains information on the financial structure and operations of both U.S. parent companies and their foreign affiliates. Data are classified by country and industry of foreign affiliate and by industry of U.S. parent. 80 pages, \$4.25 each. Preliminary 1987 Estimates: GPO Stock No. 003-010-00191-7; Revised 1986 Estimates: GPO Stock No. 003-010-00189-5.

UNITED STATES GOVERNMENT PRINTING OFFICE SUPERINTENDENT OF DOCUMENTS WASHINGTON, D C 20402 OFFICIAL BUSINESS Penalty for Private Use, \$300

SECOND CLASS MAIL

POSTAGE AND FEES PAID U.S. GOVERNMENT PRINTING OFFICE

USPS Pub. No. 337-790

1990 Release Dates for BEA Estimates

Subject			Subject	Release Date*		
State Personal Income, 3d quarter 1989	Jan. Jan. Jan. Feb. Feb. Mar. Mar.	23 26 29 31 27 28 1 2	State Personal Income, 1st quarter 1990	July July Aug. Aug. Aug. Aug. Aug.	19 27 30 1 22 24 24 27 28 29	
Summary of International Transactions, 4th quarter 1989	Mar. Mar. Apr. Apr. Apr. Apr.	13 28 28 29 3 19 27 27 30	July 1990. Summary of International Transactions, 2d quarter 1990	Sept. Sept. Sept. Sept. Sept. Oct. Oct.	11 25 25 26 28 23 30 31	
Composite Indexes of Leading, Coincident, and Lagging Indicators, March 1990. Metropolitan Area Personal Income, 1988	May May May May May	2 3 24 24 25 25 30	Composite Indexes of Leading, Coincident, and Lagging Indicators, September 1990. Merchandise Trade (balance of payments basis), 3d quarter 1990	Nov. Nov. Nov. Nov.	2 27 28 28 29 30	
April 1990. Summary of International Transactions, 1st quarter 1990	June June	12 21 21 22 27	Summary of International Transactions, 3d quarter 1990	Dec. Dec.	11 19 19 20	

^{*} These are target dates and are subject to revision.

For information, call (202) 523-0777, Bureau of Economic Analysis, U.S. Department of Commerce.