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SURVEY OF CURRENT BUSINESS



UNITED STATE PARTMENT OF COMMERCE / BUREAU OF ECONOMIC AN

SURVEY OF CURRENT BUSINESS

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the BUSINESS SITUATION

REAL GNP increased at an annual rate of 4 percent in the fourth quarter of 1977, compared with 5 percent in the third (table 1). A much larger increase of final sales than in the third quarter—7 percent compared with 4½ percent—was more than offset by a swing in the rate of real inventory accumulation. After a \$2½ billion (annual rate) step-up, inventory accumulation fell \$8 billion, from \$15½ billion in the third quarter to \$7½ billion in the fourth (chart 1).

Real personal consumption expenditures (PCE) and fixed investment increased substantially more than in the third quarter—7½ percent and 11 percent at annual rates. Government purchases increased 4 percent, somewhat less than in the third quarter, and net exports declined. If net exports are excluded from final sales to derive a measure of domestic sales, the increase of 7½ percent—and also the acceleration, from 3½ percent in the third quarter—was larger than in total final sales.

Prices.—The rate of increase in GNP prices accelerated in the fourth quarter as shown by each of the three commonly used measures—the implicit price deflator, the chain price index, and the fixed-weighted price index. The fixed-weighted price index increased 6 percent (annual rate) compared with 5 percent in the third quarter (table 2). Most of the step-up was traceable to domestic nonbusiness production—that is, gross product originating in households and institutions and in government. Compensation of employees is used to measure the prices of these two types of nonbusiness production. A pay raise for Federal Government employees contributed about 0.8 percentage points to the acceleration of GNP prices, and an unusually large increase in the average earnings of the employees of households and institutions contributed the remainder. Prices of gross business product increased about 5 percent in both quarters. An acceleration in prices of capital goods purchased by private investors and government was offset by a deceleration in prices of PCE.

The deceleration in prices of PCE was largely due to prices of services; gas and electricity prices increased substantially less in the fourth quarter than in the third. Prices of nondurable goods increased a little less than in the third quarter—3 percent (annual rate) compared with 3½ percent. A major factor in the deceleration was food prices, which increased 1½ percent compared with 2½ percent in the third quarter. A sharp acceleration in gasoline prices was a partial offset. Prices of durable goods accelerated, from 2 percent to 4½ percent, mainly due to the prices of new cars. The

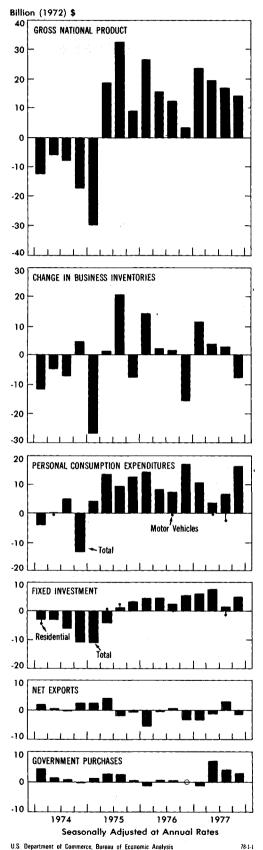
Table 1.—Gross National Product in Current and Constant Dollars, 1977

		Current dollars Constant (1972													
		Billions of dollars Percent change from preceding period													
	Year	I	II	111	IV	Year	I	11	111	IV	Year	I	II	III	IV
Gross national product	1,890.4	1,810,8	1,869.9	1, 915. 9	1, 965, 1	1,337.6	1,311.0	1,330.7	1,347.4	1,361.4	4.9	7, 5	6, 2	5.1	4, 2
Final sales	1,872.7	1,797.0	1,848.2	1,892.2	1, 953. 2	1, 326. 1	1, 301. 2	1,317.5	1,331.8	1, 353. 8	4.7	3.8	5. 1	4.4	6.8
Change in business inventories	17.8	13.8	21.7	2 3 . 6	11.9	11.6	9. 7	13 . 2	15.7	7.7					
Less: Rest-of-the-world product	17.5	17.6	18.4	17.7	16.3	7.4	7.7	7. 9	7.4	6. 6	10.4	96.7	10.9	-25.3	-35.3
Equals: Gross domestic product	1,872.9	1,793.2	1,851.4	1,898,2	1,948.8	1,330,2	1, 303, 3	1, 322, 8	1,340,1	1,354.8	4.9	7. 2	6,1	5, 3	4.5

^{1.} These preliminary (15-day) estimates are based on the following major data sources: For personal consumption expenditures (PCE), retail sales, and unit auto and truck sales through December; for nonresidential fixed investment, the same information for autos and trucks, manufacturers' shipments of equipment for October and November, construction put in place for October and November, and investment plans for the quarter; for residential investment, construction put in place for October and November, and housing starts for October and November; for change in business inventories, October and November book values for manufacturing and trade, and unit auto inventories through December; for net exports of goods and services, merchandise trade for October and November, and fragmentary information on investment income for the quarter; for government purchases of goods and services, Federal unified budget outlays for October and November, State and local construction put in place for October and November, and State and local employment through December; and for GNP prices, the Consumer Price Index for October and November, and the Wholesale Price Index through December. Some of these source data are subject to revision.

Real Product: Change From Preceding Quarter

CHART 1



acceleration of new car prices reflected smaller dealer discounts in the fourth quarter. The effect of the smaller discounts was partly offset by the fact that the 1978 model cars, which carry higher prices than the 1977 model cars, accounted for a smaller share of fourth-quarter sales than was typical of earlier years.

Employment and unemployment.—As measured by the household survey, employment increased 1.2 million in the fourth quarter, twice as much as in the third (table 3). The civilian labor force also increased much more than in the third quarter, as the labor force participation rate increased sharply— 0.5 percentage points-after having shown no change in the third quarter. Unemployment and the unemployment rate declined, the latter from 6.9 to 6.6 percent. These figures incorporate the annual revisions made by the Bureau of Labor Statistics to update seasonal adjustment factors. The revised figures show that the official measure of the unemployment rate declined steadily in the quarters of 1977. Two measures of the unemployment rate that are based on alternative seasonal adjustment procedures—the all-additive and the stable 1967-73 procedures—showed similar declines.

Increases in employment as measured by the establishment survey were

smoother than those in the household survey-0.6 million in the fourth quarter and 0.7 million in the third. (The short-term changes in employment shown by the establishment survey are generally regarded to be more reliable.) The increase in goods-producing industries was about the same in both quarters. Fourth-quarter employment was held down by strikes in mining and in aircraft production; other manufacturing industries as a whole picked up. In service-producing industries, a deceleration was traceable to trade, services, and government. State and local public service jobs continued to account for most of the increase in government employment. Average weekly hours were up 0.1, to 36.1, after having dropped 0.2 in the third quarter.

Productivity and costs.—In contrast to GNP, real gross product in nonfarm business other than housing increased only a little less than in the third quarter (table 4). The difference in the deceleration of the two output measures is partly due to components that are included in GNP but not in this output measure—nonbusiness production, farming, and housing—and partly due to measurement errors in the three independent estimates of GNP—the sums of final product, of incomes, and of industry products—that are used in estimating output for this table.

Table 2.—Fixed-Weighted Price Indexes, 1977

[Quarters are seasonally adjusted]

]	Index nu	mbers (1	972=100)		Percent change from preceding period (quarters at annual rate)							
i	Year	I	II	III	IV	Year	I	II	III	IV			
Gross national product	143, 2	139, 9	142, 3	144.0	146.1	6.1	7. 1	7. 0	4.8	6.1			
Less: Change in business inventories													
Equals: Final sales	143.1	139.8	142. 2	143.9	146.0	6.1	7, 1	7.0	4, 9	6.1			
Less: Exports Plus: Imports	181. 8 199. 2	177. 8 194. 5	182. 6 198. 7	182. 6 202. 7	182. 7 205. 2	5. 5 7. 6	3. 9 8. 3	11. 2 8. 8	1 8. 3	. 3 5, 0			
Equals: Final sales less exports plus imports	144, 3	141.0	143.3	145, 3	147, 6	6.3	7.4	6. 9	5, 6	6.5			
Personal consumption expendi- tures	141. 7 147. 1 181. 4	138. 6 144. 0 176. 2	140. 9 147. 3 180. 2	142. 8 148. 2 183. 3	144. 4 148. 8 186. 2	5. 7 4. 0 8. 8 5. 9	7. 0 7. 0 8. 1 6. 8	6. 8 9. 5 9. 5 5. 6	5. 4 2. 4 7. 2 6. 1	4. 7 1. 6 6. 3 5. 4			
Other Nonresidential structures Producers' durable equipment Residential Government purchases	144.0	144. 9 153. 7 140. 3 153. 6 142. 7	147. 4 156. 8 142. 4 157. 4 144. 8	149. 5 158. 4 144. 9 160. 7 146. 6	152, 9 160, 9 148, 0 166, 4 149, 7	7. 2 6. 2 6. 1 12. 1 6. 5	8. 2 8. 4 4. 8 17. 8 6. 8	7. 0 8. 3 6. 3 10. 5 6. 1	5.9 4.2 7.1 8.7 5.1	9. 5 6. 6 9. 0 14. 9 8. 8			

^{1.} Gasoline and oil, fuel oil and coal, electricity, and gas.

Table 3.—Selected Labor Market Series

[Seasonally adjusted]

	Levels Change from preceding qu												
	1976		19	77		1977							
	IV	I	II	III	IV	I	II	111	IV				
Household survey													
Civilian labor force (millions) Employment Unemployment	95.6 88.2 7.4	96. 2 89. 1 7. 2	97. 2 90. 3 6. 9	97.6 90.8 6.7	98. 6 92. 1 6. 6	0,6 .9 3	0,9 1,2 -,3	0.4 .6 2	1,1 1,2 -,2				
Unemployment rate (percent): Official. All additive ¹ . Stable 1967-73 ¹ .	7.8 7.8 7.8	7. 4 7. 5 7. 5	7. 1 7. 0 7. 1	6. 9 7. 0 6. 8	6. 6 6. 7 6. 7	4 3 3	3 5 4	2 0 3	3 3 1				
Civilian labor force participation rate (percent).	61.8	61.9	62, 2	62, 2	62.7	.1	. 3	0	.5				
Establishment survey													
Employment (millions) Goods-producing Service-producing	80, 1 23, 5 56, 7	80, 9 23, 8 57, 1	81. 9 24. 3 57. 6	82.5 24.4 58.2	83, 2 24, 5 58, 7	.8 .3 .5	.9 .5 .5	.7 .1 .6	.6 .1 .5				
Average weekly hours: private nonfarm (hours)	36, 2	36, 1	36, 2	36.0	36, 1	1	.1	2	.1				

^{1.} Quarterly rates are averages of monthly rates. Source: Bureau of Labor Statistics.

The quarterly changes in gross product, hours, and compensation, and also in their quotients, are especially difficult to interpret because of errors in timing and problems in seasonal adjustment. In particular, the gross product and hours series do not seem to be well synchronized. The increase in hours in the fourth quarter, which followed little change in the third, largely reflected the increase in employment. In conjunction with gross product, it resulted in a 2½ percent annual rate of increase in productivity in the fourth quarter, compared with 5 percent in the third. Compensation per hour is smoother,

because it is based largely on common data sources for hours. It increased 8 percent in the fourth quarter, compared with 8½ percent in the third. Unit labor cost increased 6 percent, substantially more than the unusually low rate of increase of 3½ percent registered in the third quarter. The movement of unit labor cost reflects the deficiencies of the productivity series.

Personal consumption and income

Real PCE in the fourth quarter increased at an annual rate of 7½ percent, compared with 3 percent shown by the 75-day estimate for the third

Table 4.-Real Gross Product, Hours, and Compensation in the Business Economy Other Than Farm and Housing, 1977

[Percent change from preceding period, quarters at seasonally adjusted annual rates]

	Year	1	II	III	IV
Real gross product Hours Compensation	6. 0 3. 5 12. 7	9. 7 5. 0 16. 3	9. 0 8. 3 16. 3	4.8 1 8.5	4. 5 2. 1 10. 6
Real gross product per hour. Compensation per hour. Unit labor cost	2. 4 8. 9 6. 3	4. 4 10. 8 6. 1	. 6 7. 4 6. 7	4. 8 8. 6 3. 5	2. 0 7. 9 5. 8

quarter (table 5). The 45-day estimate of the increase had been 2 percent. The 75-day estimate incorporated a nonroutine revision in the Census Bureau retail sales series, which underlies much of the goods component of PCE; the revision in this series was discussed in last month's Survey of Current BUSINESS.

The step-up in the fourth quarter was in goods (chart 2). In contrast, the increase in services was smaller than in the third quarter; the deceleration was largely in electricity. In durable goods, motor vehicles and parts increased substantially. Purchases of trucks were the main factor; purchases of new automobiles were unchanged. In the third quarter, trucks and new automobiles had both declined—trucks a little, and new automobiles sharply. The other major categories of durables-furniture and equipment, and "other"—increased more in the fourth quarter than in the third.

Table 5.—Personal Consumption Expenditures in Current and Constant Dolllars, 1977

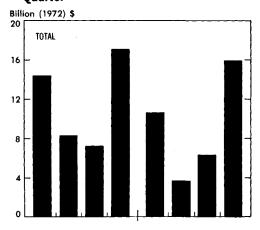
[Quarters at seasonally adjusted annual rates]

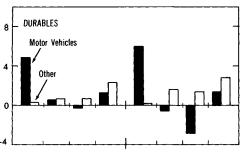
		Current dollars Constant (1972)														
					Billions	of dollars					Percent change from preceding period					
	Year	I	II	ш	IV	Year	ı	II	III	IV	Year	I	II	Ш	IV	
Personal consumption expenditures	1, 210, 1	1, 172, 4	1,194.0	1, 218. 9	1, 255, 3	860, 3	850, 4	854.1	860.4	876.4	4.8	5,1	1,8	3.8	7.6	
Durables	179. 4	177.0	178.6	177.6	184.6	138.0	136. 9	137. 9	136.5	140.8	8.3	20, 2	3.0	-3.9	13, 0	
Motor vehicles and partsOther durables	8 3 . 8 95. 7	85. 3 91. 7	84. 5 94. 1	81. 2 96. 4	84. 1 100. 5	61. 2 76. 8	62. 7 74. 2	62. 1 75. 8	59. 3 77. 2	60. 8 80. 0	9. 9 7. 0	49. 4 1. 0	-3.4 8.5	-16.8 7.8	10. 0 15. 3	
Nondurables	480, 1	466.6	474.4	481.8	497. 7	333, 3	329.7	330. 0	332, 5	340.9	3, 6	.3	.3	3.0	10.5	
Food Energy ¹ Other nondurables	246. 3 57. 7 176. 1	237. 9 57. 8 170. 9	244. 8 56. 7 173. 0	248. 3 56. 6 177. 0	254. 2 59. 8 183. 7	167. 6 31. 2 134. 5	165. 4 31. 8 132. 6	166. 4 30. 7 132. 9	167. 6 30. 5 134. 3	170. 9 31. 6 138. 4	4. 9 1. 1 2. 6	3. 6 1. 0 -3. 7	2. 4 -12. 7 1. 0	$ \begin{array}{c c} 3.1 \\ -2.2 \\ 4.2 \end{array} $	8. 0 14. 6 12. 7	
Services	550, 6	528.8	541,1	559. 5	572, 9	389. 0	383.8	386.3	391.4	394, 7	4, 5	4, 4	2.7	5.4	3.4	
Energy ² Other services	39. 4 511. 2	38. 7 490. 1	36, 1 505, 0	41.0 518.6	41.7 5 3 1.2	23. 2 365. 9	23. 6 360. 2	21. 7 364. 6	23. 6 367. 8	23. 8 370. 9	7. 3 4. 3	3. 9 4. 4	-28. 6 5. 0	41. 4 3. 5	2. 6 3 . 5	

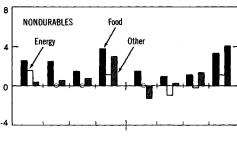
Gasoline and oil, and fuel oil and coal.
 Electricity and gas.

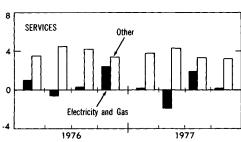
CHART 2

Real Personal Consumption Expenditures: Change From Preceding Ouarter









Seasonally Adjusted at Annual Rates
U.S. Department of Commerce, Bureau of Economic Analysis

Table 6.—Personal Income, 1977

[Change from preceding quarter; billions of dollars, seasonally adjusted at annual rates]

I	II	III	īv
44.6	40, 4	32, 6	50,7
28.1	29.6	18.0	28. 2
10.3	10.5	4.1	7.5
1.0	5.9	1.5	1, 2
			6.3
			6.9
2.3	2.4	3. 4	6. 3
4. 1	-1.0	-4. 2	6.6
5, 5	5	5.7	3.8
6. 9	12.3	13. 1	12. 1
	28. 1 10. 3 1. 0 8. 1 6. 3 2. 3 4. 1 5. 5	44.6 40.4 28.1 29.6 10.3 10.5 1.0 5.9 8.1 4.7 2.3 2.4 4.1 -1.0 5.55	44.6 40.4 32.6 28.1 29.6 18.0 10.3 10.5 4.1 1.0 5.9 1.5 8.1 6.0 3.9 6.3 4.7 5.1 2.3 2.4 3.4 4.1 -1.0 -4.2 5.55 5.7

In nondurable goods, the annual rate of real increase in the fourth quarter was 10½ percent, compared with 3 percent in the third. PCE on food increased 8 percent, on clothing and shoes 20 percent, and on energy 14½ percent; these increases seem unsustainable.

Personal income increased \$50½ billion (annual rate) in the fourth quarter—the largest increase in the current expansion and \$18 billion more than the third-quarter increase (table 6). Wage and salary disbursements and farm proprietors' income more than accounted for the acceleration. Transfer payments increased about \$2 billion less than in the third quarter, when there had been a \$5 billion cost-of-living adjustment to social security benefit payments.

Wages and salaries increased \$10 billion more than in the third quarter. In manufacturing, most of the \$31/2 billion acceleration was due to employment and a recovery in average hours. The \$½ billion deceleration in other commodity-producing industries reflected the coal strike. A recovery in average hours also was a factor in the distributive industries, where there was a \$2½ billion acceleration in wages and salaries, and in the service industries, where there was a \$2 billion acceleration. The pay raise for Federal civilian and military personnel more than accounted for a \$3 billion acceleration in government and government enterprises.

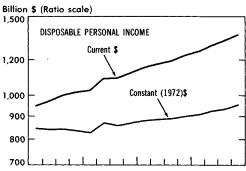
Farm proprietors' income increased \$6½ billion, after a decline of \$4 billion in the third quarter. Deficiency payments on the target-price provisions of wheat under the Food and Agriculture

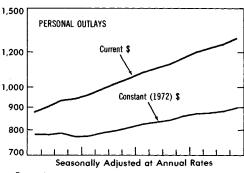
Act of 1977 accounted for \$2½ billion of the fourth-quarter increase. The remainder of the swing was traceable to changes in cash receipts that were were only partly offset by changes in production expenses. Largely reflecting crop prices, receipts had declined sharply in the third quarter and made a partial recovery in the fourth.

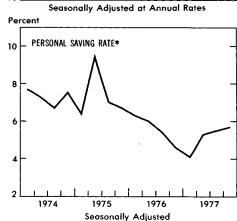
The increase in personal taxes in the fourth quarter was much larger than in the third—\$8½ billion (annual rate) compared with \$1½ billion (table 7). Most of the step-up was in Federal individual income taxes, which increased \$7 billion, after no change in the third

CHART 3

Disposable Personal Income, Personal Outlays, and Personal Saving Rate







*Personal saving as a percentage of disposable personal income.

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

18-1-3

Table 7.—Personal Tax and Nontax Payments, 1977

[Change from preceding quarter; billions of dollars, seasonally adjusted at annual rates]

	1	п	ш	IV
Personal tax and nontax payments	14, 9	0.4	1, 3	8, 5
Federal	12.9	-1.4	0	6. 9
Impact of legislation Estate and gift taxes Income taxes	5. 1 5. 6 -, 5	-8.0 -6.9 -2.0	-3.9 0 -3.9	1. 2 0 1, 2
Other	7.8	6.6	3. 9	5. 7
State and local	1. 9	1.8	1. 3	1. €

quarter. The increase in third-quarter income taxes had been held down \$4 billion by legislated changes—mainly the full impact on withholdings of the increase in the standard deduction that became effective June 1, changes in sick pay provisions, and the job credit. The absence of the reduction due to the changes in sick pay provisions, which had involved a one-time refund in the third quarter, added \$1 billion to the increase in income taxes in the fourth quarter.

Disposable personal income—personal income less personal taxes—increased \$42 billion (13½ percent) compared with \$31½ billion (10 percent) in the third quarter. Reflecting the deceleration in prices of PCE, real disposable income increased much more relative to the third quarter—8½ percent compared with 4½ percent. PCE and other personal outlays increased a little less than disposable income, and the rate of personal saving edged up from 5.5 to 5.7 percent (chart 3).

The fourth-quarter increase in real PCE was quite large in historical perspective. Among the major factors that

helps to explain its size were the large increases in wages and salaries, and in farm proprietors' income. Another is the deceleration of PCE prices, which added to real disposable income; the fourth-quarter increase in these prices was moderate compared with recent experience. None of these factors is likely to operate in the first quarter of 1978, and the increase in disposable income will be further limited by increases in contributions for social security. As a result, it is likely that real PCE will increase much less in the first quarter of 1978 than it did in the fourth quarter of 1977.

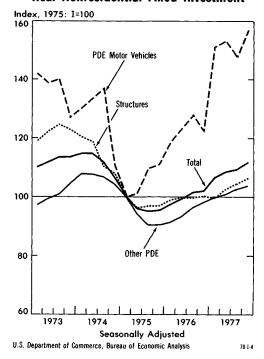
Investment

Fixed investment.—Real residential investment increased at an annual rate of 17 percent in the fourth quarter, after having been flat in the third (table 8). The increase was in construction of single-family units; construction of multifamily units showed little change. The housing recovery, carried by strength in single-family units, has exceeded general expectations. Singlefamily starts, which averaged 1.57 million units in the fourth quarter, were above their previous cyclical peak in late 1972. The recovery of multifamily units, which has not been complete, has fallen short of expectations.

Real nonresidential investment increased at an annual rate of 8½ percent, more than double that in the third quarter. Investment in structures increased 6½ percent—about the same as in the third quarter, and about equal the average of the first- and second-quarter changes when construction was

CHART 4

Real Nonresidential Fixed Investment



affected by cold weather. Producers' durable equipment increased much more than in the third quarter. The acceleration—from 2½ to 9 percent—was entirely due to purchases of motor vehicles (mainly trucks), which had declined in the third quarter and increased in the fourth. Purchases of other producers' durables showed a weak increase in the fourth quarter after a strong one in the third.

Chart 4 shows, for the period 1973–75, the components of real nonresidential fixed investment that are shown in table 8. The components are indexed to the first quarter of 1975, when GNP fell to its cyclical low. (This is also the

Table 8.-Fixed Investment in Current and Constant Dollars, 1977

[Quarters at seasonally adjusted annual rates] Constant (1972) dollars Current dollars Billions of dollars Percent change from preceding period IV ш I \mathbf{II} Ш Year ш IVYear I \mathbf{II} IV Year 2, 5 11.0 Fixed investment. 276, 6 258, 0 273. 2 280, 0 295, 1 184, 0 177.0 184.0 185, 1 190, 0 11.9 14.7 16.8 127. 1 38. 4 88. 7 23. 6 65. 1 127. 6 38. 9 88. 7 22. 9 65. 8 Nonresidential.... 185, 6 61, 6 124, 0 30, 3 93, 7 177. 0 57. 9 119. 2 29. 2 90. 0 187. 5 62. 6 124. 9 29. 3 95. 6 195. 5 64. 9 130. 7 32. 8 97. 9 124. 3 37. 0 87. 3 23. 4 63. 9 126. 4 38. 2 88. 1 23. 7 64. 4 130. 2 39. 6 90. 7 24. 3 66. 3 182. 4 61. 0 121. 4 Structures.
Producers' durable equipment...
Autos, trucks, and buses.....
Other 29. 9 91. 5 16.9 Residential 81.0 90.8 92.5 99.5 56. 9 52.7 57.6 57.5 59.8 19. 1

Table 9.-Net Exports of Goods and Services in Current and Constant Dollars, 1977

[Quarters at seasonally adjusted annual rates]

						-		,									
		Current dollars Constant (1972)															
					Billions	of dollars						Percent change from preceding period					
	Year	I	II	III	IV	Year	I	II	III	IV	Year	I	II	ш	IV		
Net exports of goods and services	-9.0	-8, 2	-9,7	-7.5	-10.8	10.7	10, 6	9, 4	12, 2	10, 6							
Exports Merchandise Agricultural	120. 2 24. 0	170, 4 117, 9 24, 5	178. 1 122. 1 26. 7	179. 9 123. 2 24. 0	174. 3 117. 7 20. 9	98. 0 68. 0	96. 9 67. 9	98. 5 68. 3	99. 8 69. 4	96. 8 66. 6	2. 3 . 5	0 -4.2	7. 0 2. 0	5. 5 6. 8	-11.5 -15.4		
Nonagricultural Other	96. 2 55. 4	9 3 , 4 52, 5	95. 4 56. 0	99. 2 56. 7	96. 8 56. 5	30.0	28. 9	30. 2	30. 4	30. 3	6.8	10. 6	19. 3	2.4	<u></u>		
Imports Merchandise Petroleum	150. 5 45. 2	178. 6 145. 8 44. 8	187. 7 153. 3 47. 0	187. 4 153. 4 45. 6	185, 1 149, 5 43, 6	87. 3 67. 6	86. 3 66. 9	89. 1 69. 2	87. 6 68. 2	86. 2 66. 1	9. 4 11. 1	16. 5 22. 8	13. 9 14. 4	-6.7 -6.0	-6.0 -11.6		
NonpetroleumOther	105. 2 34. 2	101. 0 32. 8	106. 3 34. 5	107. 8 34. 0	105. 9 35. 6	19. 7	19. 3	19, 9	19. 4	20. 2	4.0	-2, 4	11.8	~9. 2	15. 9		

quarter into which the National Bureau of Economic Research placed its cyclical reference trough.) The chart brings out that all three components of fixed investment-structures, motor vehicles, and other producers' durable equipment-fell sharply during the recession. The recovery in structures was weak through 1976, but subsequently, as mentioned above, proceeded at an annual rate of 7 percent. Structures remain far below their previous peak. Other producers' durable equipment also remains below its previous peak, despite increasing 7 percent at an annual rate since its low in the fourth quarter of 1975. In contrast, a prompt and sharp increase in motor vehicles resulted in their complete recovery by early 1977.

The outlook for plant and equipment expenditures is discussed later in this issue. The BEA plant and equipment survey for 1978 indicates a smaller increase in business investment plans than the 1977 increase in investment expenditures.

Inventories.—Real inventory investment was at an annual rate of \$71/2 billion in the fourth quarter, compared with \$15% billion in the third. The \$8 billion deceleration was traceable mainly to retail trade other than autos, and to nondurables manufacturing. In the latter, inventory investment had been stepped up in the second quarter and in the third quarter continued at the high second-quarter rate. In retail trade other than autos, inventory investment had been heavy in the third quarter. The deceleration in the fourth quarter may have reflected the strong increase in demand for consumer goods.

Retail auto inventories were the only major component of inventory investment that was higher in the fourth quarter than in the third. The fourth-quarter increase in accumulation was concentrated in the new downsized intermediate models, which had been in short supply at the beginning of the fourth quarter. Overall, the inventory-sales ratio for domestic cars rose to 2.4—far higher than the 2.0

that is considered normal. The high ratio primarily reflected excess stocks of models produced by the smaller manufacturers.

Net exports and government purchases

Net exports of goods and services in recent months were affected by the dock strike. Anticipation of the dock strike was a factor in the September increase in merchandise exports. In October and November, both exports and imports were distorted, but it is impossible at this time to disentangle the effects of the strike. When the source data for December become available, the picture will probably become clearer. The real net export estimate of \$10½ billion (annual rate) incorporated in table 9 is based on the assumption that both merchandise exports and imports will increase in December-exports much more sharply than imports—and that there will be a large temporary improvement in the merchandise trade balance. A drop of petroleum imports from their

Table 10.—Government Purchases of Goods and Services in Current and Constant Dollars, 1977

[Quarters at seasonally adjusted annual rates] Constant (1972) dollars Current dollars Percent change from preceding period Billions of dollars Ш IVш \mathbf{II} ш w Year П Π IV Year Year Government purchases of goods and 6. 1 4.1 390, 6 271.1 263, 3 270.0 274, 0 276, 8 -1.910,6 395, 0 374.9 400.9 413, 6 2, 5 153. 8 98. 6 55. 2 136. 3 89. 7 46. 7 143. 6 93. 4 50. 2 2, 9 148. 1 95. 6 52. 5 103. 3 18. 2 8.9 145. 4 101.4 97. 0 101.1 104.1 5.0 -.3 ederal.... National defense.... Nondefense... State and local..... 238.5 247.0 252.9 259.8 169.7 166. 4 168.9 170.7 172.8 1.1 -2.86.3 4.9 high November rate will contribute to that improvement.

Real government purchases increased 4 percent (annual rate) in the fourth quarter (table 10). The increase was somewhat less than in the third quarter. State and local government purchases were up slightly more, as construction strengthened. Federal purchases increased less than in the third quarter. Defense purchases were flat after a large increase in the third quarter. Commodity Credit Corporation (CCC) price support operations continued high; operations to support corn were up, and those involving wheat were reduced as market prices rose above support levels.

Reflecting in part the \$3½ billion (annual rate) pay raise of Federal employees, Federal purchases in current dollars increased \$5½ billion in the fourth quarter, compared with \$4½ billion in the third (table 11). Net interest paid and subsidies less current surplus of government enterprises also increased more than in the third quarter. The fourth-quarter increase in the latter was \$5 billion, and mainly

Table 11.-Federal Government Receipts and Expenditures, NIPA Basis

[Billions of dollars; seasonally adjusted at annual rates]

		19	77		Change from preceding quarter						
	I	II	III	IV	I	п	III	IV			
Receipts	364.9	371. 2	373, 2	n.a.	20, 4	6.3	2, 0	n.a.			
Personal tax and nontax receipts	55. 4 24. 2	168. 6 59. 9 24. 6 118. 1	168. 6 59. 5 25. 4 119. 7	175. 5 n.a. 25. 2 122. 4	12.9 .3 .4 7.0	$ \begin{array}{r} -1.4 \\ 4.5 \\ .4 \\ 2.7 \end{array} $	0 4 .8 1.6	6.9 n.a. 2 2.7			
Expenditures	403.7	411,5	432, 1	446,7	3.3	7.8	20.6	14.6			
Purchases of goods and services	89. 7 46. 7 170. 7	143. 6 93. 4 50. 2 169. 3 63. 6 29. 1	148. 1 95. 6 52. 5 174. 8 72. 7 29. 4	153. 8 98. 6 55. 2 177. 6 72. 2 30. 9	2.1 1.3 .9 4.4 -3.5	7.3 3.7 3.5 -1.4 1.6	4.5 2.2 2.3 5.5 9.1 .3	5.7 3.0 2.7 2.8 5 1.5			
prises	6. 1	5.9	7, 2	12, 3	. 1	2	1.3	5. 1			
Surplus or deficit (-), national income and product accounts	-38,8	-40,3	-58.9	n.a.	17.1	-1.5	-18.6	n.a.			

n.a. Not available.

reflected wheat deficiency payments and a higher CCC operating deficit. In contrast, grants-in-aid to State and local governments decreased slightly in the fourth quarter, after an extraordinary increase of \$9 billion in the third. As noted earlier, receipts of personal taxes increased \$7 billion, after having shown no change in the third quarter.

Estimates of corporate profits tax accruals for the fourth quarter are not yet available. However, if—as seems likely—corporate profits before tax increased, the Federal deficit on a national income and product accounts basis will not be very different from the \$59 billion deficit registered in the third quarter.

Senior Economist, Current Business Analysis Division

BEA invites applications for a position in the Current Business Analysis Division rated at GS-15 (\$36,171-\$47,025).

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Interested persons should write to Carol S. Carson, Chief, Current Business Analysis Division, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C. 20230. Applications should include, if possible, a completed Standard Form 171—the Civil Service Commission's "Personal Qualifications Statement."

NATIONAL INCOME AND PRODUCT TABLES

	Ī		19	976		1	977				19	976		19	977	
	1976	1977 >	III	IV		II	III	IV »	1976	1977 »	III	Iv		l II	111	IV P
				٠	ly adjust	<u> </u>	1	20				Sessonal	ly adjust	ed at an	<u> </u>	1
		<u> </u>	<u> </u>		-					<u> </u>	<u> </u>				iidai iat	
			Bill	lions of c	urrent do	ollars			<u> </u>		в	illions of	1972 doll	ars		
Table	1.—G	ross Na	tional	Produ	ict in (Currer	t and	Consta	ant Dollars (1.1, 1.2)							
Gross national product	1,706.5	1,890.4	1,727.3	1,755.4	1,810.8	1,869.9	1, 915, 9	1, 965, 1	1, 274. 7	1, 337. 6	1, 283, 7	1, 287, 4	1,311.0	1, 330, 7	1, 347. 4	1, 361. 4
Personal consumption expenditures	1 / 1	} `	1, 102, 2	1	1	1, 194. 0	1	,	821.3	860.3	822, 7	839, 8	850, 4	854, 1	860.4	876,4
Durable goods Nondurable goods Services	158.9 442.7 492.3	179. 4 480. 1 550. 6	159. 3 444. 7 498. 2	166. 3 458. 8 513. 9	177. 0 466. 6 528. 8	178.6 474.4 541.1	177. 6 481. 8 559. 5	184. 6 497. 7 572. 9	127. 5 321. 6 372. 2	138. 0 333. 3 389. 0	127. 1 321. 5 374. 0	130. 7 329. 4 379. 7	136, 9 329, 7 383, 8	137. 9 330. 0 386. 3	136. 5 332. 4 391. 4	140.8 340.9 394.7
Gross private domestic investment	243.3	294. 3	254.3	243, 4	271, 8	294. 9	303, 6	307.0	173, 0	195.6	179.4	169, 2	186.7	197, 2	200.8	197.6
Fixed investment	230.0	276.6	232, 8	244. 3	258. 0	273, 2	280, 0	295.1	164.5	184.0	165.6	171.0	177.0	184.0	185. 1	190.0
Nonresidential Structures Producers' durable equipment	55.8	185. 6 61. 6 124. 0	164. 9 56. 0 109. 0	167. 6 57. 0 110. 6	177. 0 57. 9 119. 2	182. 4 61. 0 121. 4	187. 5 62. 6 124. 9	195. 5 64. 9 130, 7	116. 8 37. 1 79. 7	127. 1 38. 4 88. 7	118.5 37.1 81.4	119.0 37.3 81.7	124, 3 37, 0 87, 3	126. 4 38. 2 88. 1	127. 6 38. 9 88. 7	130. 2 39. 6 90. 7
Residential Nonfarm structures Farm structures Producers' durable equipment.	65.7	90.9 88.4 1.1 1.4	67. 8 65. 7 . 9 1. 3	76.7 74.3 1.1 1.3	81. 0 78. 5 1. 1 1. 4	90.8 88.2 1.2 1.4	92. 5 89. 9 1. 1 1. 5	99. 5 97. 0 1. 0 1. 5	47. 7 46. 0 . 7 1. 0	56. 9 55. 1 . 7 1. 1	47. 1 45. 4 . 6 1. 0	52. 0 50. 2 . 7 1. 1	52, 7 50, 9 . 7 1, 1	57. 6 55. 7 . 8 1. 1	57. 5 55. 7 . 7 1. 1	59. 8 58. 0 . 6 1. 2
Change in business inventories	. 14.9	17. 8 17. 5	21. 5 22. 0 5	9 1.4 -2.3	13. 8 14. 1 3	21. 7 22. 4 7	23. 6 23. 1 . 5	11.9 10.4 1.5	8.5 10.1 -1.6	11.6 11.4 .2	13. 8 14. 4 6	-1.8 .7 -2.5	9.7 9.9 2	13. 2 13. 6 5	15. 7 15. 3 . 4	7. 7 6. 6 1. 0
Net exports of goods and services	7.8	-9.0	7.9	3, 0	-8, 2	-9.7	-7.5	-10.8	16.0	10.7	17.0	13,8	10.6	9.4	12, 2	10.6
ExportsImports	162, 9 155, 1	175. 6 184. 7	168. 4 160. 6	168, 5 165, 6	170. 4 178. 6	178. 1 187. 7	179. 9 187. 4	174.3 185.1	95. 8 79. 8	98. 0 87. 3	97. 9 80. 9	96. 9 83. 1	96. 9 86. 3	98. 5 89. 1	99. 8 87. 6	96. 8 86. 2
Government purchases of goods and services	361, 4	395.0	363, 0	370, 0	374.9	390.6	400, 9	413.6	264.4	271.1	264.6	264.6	263, 3	270.0	274.0	276.8
Federal National defense Nondefense State and local	130. 1 86. 8 43. 3 231. 2	145. 4 94. 3 51. 1 249. 5	130. 2 86. 4 43. 8 232. 7	134. 2 88. 4 45. 8 235. 8	136. 3 89. 7 46. 7 238. 5	143. 6 93. 4 50. 2 247. 0	148. 1 95. 6 52. 5 252. 9	153. 8 98. 6 55. 2 259. 8	96. 5 167. 9	101.4	96. 7	97, 1	97. 0 166. 4	101. 1	103. 3 170. 7	104. 1
Table 2.—Gross Na	<u> </u>		·	<u> </u>	1	!	<u>-</u>	i 1			<u> </u>				170.7	
Gross national product	1, 706, 5	1, 890, 4	1, 727, 3	1, 755, 4	1,810,8	1, 869, 9	1, 915, 9	1, 965, 1	1, 274, 7	1, 337, 6	1, 283, 7	1, 287, 4	1,311,0	1, 330, 7	1, 347, 4	1, 361, 4
Final salesChange in business inventories	1, 693, 1	1, 872. 7 17. 8	1,705.8 21.5	1,756.3 9	1,797.0 13.8	1,848.2 21.7	1,892.2 23.6	1, 953. 2 11. 9	1, 266. 2 8. 5	1, 326. 1 11. 6	1, 269. 8 13. 8	1, 289. 2 -1. 8	1, 301. 2 9. 7	1, 317. 5 13. 2	1, 331. 8 15. 7	1, 353. 8 7. 7
Goods Final sales Change in business inventories	764.2 750.9 13.3	834.5 816.8 17.8	776. 0 754. 5 21. 5	774.7 775.6 9	805. 9 792. 1 13. 8	827. 1 805. 4 21. 7	843. 5 819. 9 23. 6	861, 5 849, 6 11, 9	580, 1 571, 6 8, 5	612.9 601.3 11.6	586. 9 573. 0 13. 8	581, 9 583, 7 -1, 8	602. 4 592. 7 9. 7	608, 5 595, 3 13, 2	617.0 601.3 15.7	623, 7 616. 1 7. 7
Durable goods	303.4 299.3 4.1	342. 0 333. 2 8. 8	313. 4 302. 7 10. 7	312.6 312.0 .6	334. 4 326. 6 7. 8	341. 0 329. 5 11. 5	342. 3 332. 1 10. 3	350. 4 344. 9 5. 5	235, 2 232, 4 2, 8	254.3 248.4 5.9	240. 8 233. 5 7. 2	237, 0 237, 0 , 1	252. 3 246. 7 5. 6	254. 7 247. 4 7. 3	253. 5 246. 8 6. 7	256. 5 252. 7 3. 8
Nondurable goods Final sales Change in business inventories	460.9 451.6 9.3	492. 5 483. 5 9. 0	462, 6 451, 8 10, 9	462. 1 463. 6 -1. 6	471. 5 465. 6 6. 0	486. 1 475. 9 10. 2	501, 2 487, 8 13, 4	511. 1 504. 8 6. 4	344. 9 339. 3 5. 7	358. 7 353. 0 5. 7	346. 1 339. 5 6. 6	344. 8 346. 7 -1. 9	350. 1 346. 0 4. 2	353, 8 347, 9 5, 8	363. 5 354. 5 9. 0	367. 2 363. 4 3. 8
Services Structures	782, 0 160, 2	868. 4 187. 5	791, 8 159, 6	813. 8 166. 9	833, 7 171, 2	855, 3 187, 5	881, 6 190, 7	903, 1 200, 4	584.7 109.9	606.7 118.0	587. 9 108. 8	593, 6 111, 9	597. 1 111. 5	602.9 119.3	611, 1 119, 4	615. 6 122. 1
Table 3.—0	Gross N	ationa	l Prod	uct by	Secto	r in C	urrent	and C	onsta	nt Doll	ars (1.	7, 1.8)				
Gross national product	1,706.5	1,890.4	1,727,3	1, 755. 4	1,810.8	1,869.9	1, 915, 9	1, 965, 1	1, 274, 7	1, 337. 6	1, 283, 7	1, 287, 4	1, 311. 0	1, 330, 7	1, 347. 4	1, 361, 4
Gross domestic product	1,692.1	1,872,9	1,712.0	1,740.9	1,793.2	1,851.4	1,898.2	1, 948. 8	1, 268. 0	1, 330. 2	1, 276. 7	1, 280, 9	1,303.3	1, 322, 8	1, 340, 1	1, 354. 8
Business Nonfarm Nonfarm less housing Housing Farm Statistical disconnects	1, 390. 9 1, 258. 7 132. 3 47. 9	1, 552. 8 1, 406. 7 146. 1 50. 3	134. 0 45. 6	1, 433. 4 1, 296. 8 136. 5 46. 4	1,532.3 1,478.0 1,337.4 140.6 51.0	1, 586. 4 1, 536. 7 1, 392. 7 144. 1 50. 8	1, 628. 1 1, 580. 0 1, 431. 9 148. 0 47. 2	1, 669. 5 151. 8 52. 0		1, 141. 4 1, 103. 8 991. 1 112. 8 35. 9		1, 093. 9 1, 054. 8 944. 7 110. 2 34. 1		1, 134. 9 1, 099. 8 987. 8 112. 1 34. 9	1, 112. 7	1, 163. 9 1, 125. 0 1, 010. 5 114. 5 37. 4
Statistical discrepancy Residual ¹		1. 0	8.0	5.3	3.3	-1. 2	.9		5, 2	1.7	7. 0	4. 9	3. 4	.2	1.6	2 1. 6
Households and institutions Government	56. 2 191. 6	63. 0 205. 8	56, 4 192, 6	58. 3 197. 5	60. 4 200. 5	62. 0 203. 1	63. 6 206. 5	66. 0 213, 2	40. 2 145. 8	41. 4 147. 5	40, 0 146, 2	40. 6 146. 4	40. 6 146. 5	41. 2 146. 7	41. 7 147. 9	42. 1 148. 8
Federal State and local	62. 4 129. 2	66. 5 139. 4	61. 8 130. 7	64. 7 132. 8	65. 4 135. 1	65. 5 137. 6	65. 8 140. 7	69. 2 144. 1	48. 4 97. 3	48. 6 98. 8	48. 5 97. 7	48. 6 97. 8	48. 6 97. 9	48. 6 98. 1	48. 7 99. 2	48. 7 100. 1
Proliminary See other feetness on following	14, 4	17, 5	15, 3	14, 4	17, 6	18, 4	17.7	16.3	6, 7	7.4	7, 0	6, 5	7, 7	7.9	7.4	6.6

 $^{{}^{}p}\mathrm{Preliminary}.$ See other footnotes on following page.

HISTORICAL STATISTICS

The national income and product data for 1929-72 are in The National Income and Product Accounts of the United States, 1929-74: Statistical Tables (available for \$4.95, SN 003-010-00052-9, from Commerce Department District Office or the Superintendent of

Documents; see addresses inside front cover). Data for 1973 and 1974-76 are in the July 1976 and July 1977 issues of the Survey, respectively (except for seasonally unadjusted quarterly estimates, which are in the September 1976 and August 1977 issues).

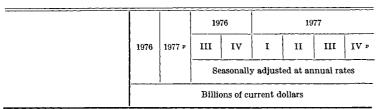


Table 4.—Relation of Gross National Product, Net National Product, National Income, and Personal Income (1.9)

Capital consumption allowances without capital consumption adjustment Less: Capital consumption adjustment Less: Indirect business tax and nontax liability Business transfer payments to persons Statistical discrepancy Plus: Subsidies less current surplus of government enterprises									
Table Tabl	Gross national product	1,706.5	1, 890, 4	1,727.3	1,755.4	1,810.8	1, 869. 9	1, 915, 9	1, 965, 1
tion adjustment. Less: Capital consumption adjustment. Less: Capital consumption adjustment. ————————————————————————————————————	allowances with capital consump- tion adjustment	179.0	197. 0	180.9	184. 5	189. 0	193, 3	199. 8	205. 9
Table Tabl	tion adjustment Less: Capital con-	142.0	152.9	143. 5	146.7	149.0	151. 2	154. 6	157.0
Less: Indirect business tax and nontax liability Business transfer payments 150.5 165.2 151.8 155.5 160.1 163.3 166.9 170.	ment	1]	}	ì	1		1	ĺ
Annual Registry Statistical discrepancy	Equals: Net national product	1,527.4	1, 693, 4	1,546.5	1,570.9	1,621.8	1,676,6	1,716.0	1,759.1
Plus: Subsidies less current surplus of government enterprises	and nontax liability Business transfer pay-			Į					170. 4 9. 4
Surplus of government enterprises	Statistical discrepancy								
Less: Corporate profits with inventory valuation and capital consumption adjustments. 128.1 140.3 133.5 123.1 125.4 140.2 149.0 140.	surplus of govern- ment enterprises			ĺ					
140.3 133.5 123.1 125.4 140.2 149.0 149.	Equals: National income	1, 364, 1	1, 520. 3	1, 379. 6	1,402.1	1,450.2	1,505.7	1, 540. 5	
Payments to persons 184. 7 197. 8 186. 2 189. 5 194. 8 194. 0 199. 5 203	inventory valuation and capital consump- tion adjustments Net interest Contributions for social insurance Wage accruals less dis-	88. 4 123. 8	100. 9 139. 0	90. 1 124. 7	92. 0 127. 5	95. 3 135. 0	98. 9 138. 0	103. 1 139. 9	
and business	payments to persons Personal interest income. Net interest Interest paid by gov-	130.3	147.9	132.3	136.4	140.3	145. 4	150.3	203. 1 155. 6 106. 4
by government	and business	39.3	42.4	39.8	40.6	41. 2	42.3	42.4	43.6
Dividends	by government Interest paid by con-		1						26. 0 31. 6
	Dividends Business transfer pay-	35.8	41.2	36.0	38.4	38. 5	40.3	42.3	43. 6
2 de la companya de l		1							9. 4 1, 600, 5

Table 5.—Relation of Gross National Product, Net National Product, and National Income in Constant Dollars (1.10)

	[Billio	ns of 19	72 dolla	rs]				
Gross national product	1, 274. 7	1, 337, 6	1,283.7	1, 287, 4	1,311.0	1, 330, 7	1, 347, 4	1, 361, 4
Less: Capital consumption allowances with capital consumption adjustment. Equals: Net national product.	126. 0 1, 148. 7			1	1			
Less: Indirect business tax and nontax liability plus business transfer payments less subsi- dies plus current sur- plus of government enterprises.	126.1					131. 9		
Residual 1	5. 2	1.7	7.0	4.9	3.4	.2	1.6	-
Equals: National income	1, 017. 4	1, 073. 6	1, 023. 5	1, 026. 3	1,048.4	1, 069. 4	1, 082, 6	

Preliminary.

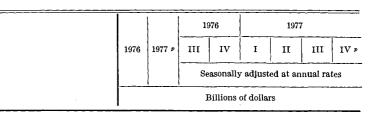


Table 6.-Net National Product and National Income by Sector in Current and Constant Dollars (1.11, 1.12)

Current and Constant Dollars (1.11, 1.12)											
Net national product	1,527.4	1, 693. 4	1, 546. 5	1, 570. 9	1, 621, 8	1, 676. 6	1, 716. 0	1, 759. 1			
Net domestic product	1,513.1	1, 675, 9	1, 531, 2	1, 556, 5	1,604.2	1, 658, 2	1, 698, 4	1,742.8			
Business Nonfarm Farm Statistical discrepancy Households and institutions.	1, 225. 0 34. 8 5. 5	1, 370. 3 35. 8 1. 0	1, 241. 8 32. 4 8. 0	1, 262. 4 32. 9 5. 3	1, 302. 9 37. 1 3. 3	1, 357. 7 36. 6 -1. 2	1, 394. 8 32. 5	36.8			
Government											
Rest of the world	14.4	17.5	15.3	14.4	17.6	18. 4	17.7	16.3			
National income	1, 364, 1	1, 520, 3	1,379.6	1, 402, 1	1, 450, 2	1, 505, 7	1, 540. 5				
Domestic income	1, 349. 8	1, 502, 8	1, 364. 3	1, 387. 6	1, 432, 6	1, 487. 3	1, 522. 9				
Business Nonfarm Farm Households and institutions Government	1, 102. 0 1, 069. 2 32. 7 56. 2 191. 6	1, 234. 0 1, 198. 7 35. 2 63. 0 205. 8	1, 115. 3 1, 084. 8 30. 5 56. 4 192. 6	1, 131. 8 1, 100. 5 31. 4 58. 3 197. 5	1, 171. 7 1, 135. 1 36. 6 60. 4 200. 5	1, 222, 2 1, 187, 2 35, 0 62, 0 203, 1	1, 252, 7 1, 221, 6 31, 1 63, 6 206, 5	38, 3 66, 0 213, 2			
Rest of the world		1	Į	1		J	J	J			
Net national product	1.148.7	1. 207. 8	1		1972 dol	1	1, 217, 0	1, 229, 8			
Net domestic product	1 .	1	-				1 '	1			
Business Nonfarm Farm Residual Households and institutions Government	927. 0 2 3 . 8 5. 2 40. 2	26. 3 1. 7 41. 4	934. 2 23. 0 7. 0 40. 0	937. 2 24. 8 4. 9 40. 6	959. 2 25. 6 3. 4 40. 6	980, 2 25, 4 . 2 41, 2	26.6 1.6 41.7	27. 6 42. 1			
Rest of the world	6. 7	7.4	7.0	6.5	7.7	7,9	7.4	6, 6			
National income	1, 017. 4	1, 073, 6	1, 023. 5	1,026.3	1,048.4	1,069,4	1, 082, 6				
Domestic income	1, 010, 7	1,066,2	1, 016. 5	1, 019. 8	1, 040, 7	1,061.5	1, 075, 2				
Business	799. 2 25. 5 40. 2 145. 8	41.4	805. 8 24. 5 40. 0 146. 4	806. 3 26. 5 40. 6 146. 4		26. 9 41. 2 146. 7	857. 4 28. 1 41. 7 147. 9	42. 1 148. 8			
mest of the world	l ".'	1,4	, "	0, 3	1.1	1.9	1.4	0.0			

1. Equals GNP in constant dollars measured as the sum of final products less GNP in constant dollars measured as the sum of gross product by industry. The quarterly estimates are obtained by interpolating the annual estimates with the statistical discrepancy deflated by the implicit price deflator for gross domestic business product.

Note.—Table 6: The industry classification within the business sector is on an establishment basis and is based on the 1972 Standard Industrial Classification.

Footnotes for tables 2 and 3.

Equals GNP in constant dollars measured as the sum of final products less GNP in constant dollars measured as the sum of gross product by industry. The quarterly estimates are obtained by interpolating the annual estimates with the statistical discrepancy deflated by the implicit price deflator for gross domestic businss product.
 Held constant at level of previous quarter.

Note.—Table 2: "Final sales" is classified as durable or nondurable by type of product. "Change in business inventories" is classified as follows: For manufacturing, by the type of product produced by the establishment holding the inventory; for trade, by the type of product sold by the establishment holding the inventory; for construction, durable; and for other industries, nondurable.

Table 3: The industry classification within the business sector is on an establishment basis and is based on the 1972 Standard Industrial Classification.

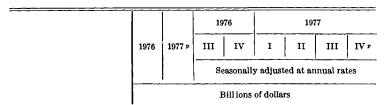


Table 7	-National	Inaomo	he Tune	of Incom	~ (1 13)
1 april 4.—					

National income	1,364.1	1, 520, 3	1, 379. 6	1, 402, 1	1, 450, 2	1, 505, 7	1, 540. 5	
Compensation of employees	1, 036. 3	1, 155.8	1, 046. 5	1, 074. 2	1,109.9	1, 144. 7	1, 167. 4	1, 201, 3
Wages and salaries Government and govern-	891.8	989. 5	900. 2	923. 2	951. 3	980. 9	998.9	1, 027. 1
ment enterprises	187. 2 704. 6	199.9	188. 2 712. 0	192. 5	194. 8 756. 4	197, 2 783, 6		206.9
OtherSupplements to wages and	144.5	789. 6 166. 3	146.3		158.6	163, 8	i l	820. 2 174. 2
Employer contributions for social insurance	1	77.7	69. 1	70.9	75.4		78. 2	80.2
Other labor income	68. 6 75. 9	88.6	77. 3			77. 1 86. 7	90. 3	94.0
Proprietors' income with inventory valuation and capital consumption adjustments.	88. 0	97.9	86, 2	88, 7	95, 1	97.0	95, 5	104, 2
Farm	18. 6	19. 5	16. 2	16. 6	20.7	19. 7	15. 5	22. 1
Proprietors' income with inventory valuation ad- justment and without capital consumption ad- justment	22.8	24. 2	20. 3	20, 8	25, 0	24, 2	20. 3	27. 4
Capital consumption ad-	-4.2	-4.7	-4.2	-4.2	-4. 2	-4. 5	-4.8	
justment Nonfarm Proprietors' income without inventory valuation and capital consump-	69. 4	78. 4	70. 0		74. 3	77.3		-5. 2 82. 0
tion adjustments	70.4	79. 9	70.7	73. 2	76.1	78.9	80. 8	83.9
Inventory valuation ad- justment	-1.3	-1.4	-1.1	-1.7	-2.0	-1.7	6	-1.4
Capital consumption ad- justment	.3	1	.4	. 5	.3	0	1	4
Rental income of persons with capital consumption adjustment	23. 3	25, 3	23, 3	24.1	24, 5	24, 9	25, 5	26, 4
Rental income of persons	40.0	45, 3	40.3	41.5	42. 9	44.6	45. 7	48. 1
Capital consumption ad- justment	-16.7	-20.0	-16.9	-17.3	-18.4	-19.7	-20.2	-21.7
Corporate profits with inventory valuation and capital consumption adjustments	128, 1	140, 3	133. 5	123, 1	125, 4	140, 2	149.0	
Corporate profits with inventory valuation adjustment and without capital consumption adjustment. Profits before tax. Profits after tax. Dividends Undistributed profits.	142. 7 156. 9 64. 7 92. 1 35. 8 56. 4	172. 1 69. 2 102. 9 41. 2	159. 9 65. 9 94. 0 36. 0	154. 8 63. 9 90. 9 38. 4	161. 7 64. 4 97. 2 38. 5	174. 0 69. 7 104. 3 40. 3	172.8 69.3 103.6 42.3	43. 6
Inventory valuation adjustment	-14.1	-14.5	-11.7	-16.9	-20.6	-17.8	-5.9	-13.8
Capital consumption adjust- ment	-14.7	-17. 2	-14.7	-14.8	-15.6	-15.9	-17.9	-19.4
Net interest	88, 4	100,9	90, 1	92, 0	95, 3	98,9	103.1	106, 4
Addenda: Corporate profits with inventory valuation and capital consumption adjustments	128. 1	140. 3	133, 5	123. 1	125, 4	140.5	149. 0	
Profits tax liability Profits after tax with inven-	64.7	69.2	65, 9	63.9	64.4	69.7	69. 3	
tory valuation and capital consumption adjustments. Dividends. Undistributed profits with inventory valua-	63. 3 35. 8		67. 6 36. 0					43. 6
tion and capital con- sumption adjustments	27.6	29.9	31. 6	20.8	22. 5	30. 3	37. 4	

Table 8.—Gross Domestic Product of Corporate Business (1.15, 7.8)

Table 8.—Gross Domestic Product of Corporate Business (1.15, 7.8)										
Gross domestic product of corporate business	1, 041, 9	1, 161, 1	1, 056. 6	1, 070. 1	1, 103. 3	1, 150, 0	1, 181, 9	-		
Capital consumption allow- ances with capital consump- tion adjustment	111.8	121.9	112.9	115. 2	117. 6	119. 4	123. 7	127.0		
Net domestic product Indirect business tax and nontax liability plus busi- ness transfer payments less	9 3 0, 1	1, 039. 1	9 43. 7	954. 9	985.7	1, 0 3 0. 6	1, 058. 3	 -		
subsidies	108.3	118.6	109. 2	111.9	115.0	117.4	119. 6	122. 2		
Domestic income	821.8	920.6	834.6	843.0	870.7	913. 2	938. 6			
Compensation of employ- ees	690, 4 585, 9			715. 9 606. 9		770. 9 651. 8				
Supplements to wages and salaries	104.5	120.8	105.9	109.0	114.8	119. 1	122. 6	126. 6		

		ll	197	1976		1977				
19	976	1977 >	III	IV	I	11	ш	IV »		
			Seasonally adjusted at annual							

Table 8.—Gross Domestic I	rodu	ct of	Cor	porat	e Bu	siness	—Со	n.
Corporate profits with inventory								
valuation and capital consump- tion adjustments	119.9	130, 7	125, 1	115. 4	115.3	129, 5	100 5	
Profits before tax	148.7	162. 5		147.1			163. 3	
Profits tax liability	64.7	69.2	65.9	63.9	64.4	69.7	09.0	
Profits after tax Dividends	84. 0 31. 8	93. 3 37. 5	85.5 32.4	83. 2 35. 5	87.2 34.5	93. 6 36. 5	94. 0 38. 7	
Undistributed profits	52. 2	55.8	53.1	47.7	52.7	57, 1	55. 3	40. 2
Inventory valuation adjustment	-14.1	-14.5	-11.7	-16.9	-20.6			-13.8
Capital consumption adjust- ment	-14.7	-17.2	-14.7	-14.8	-15.6	-15.9	-17 0	-19.4
						1		
Net interest	11.4	13.0	11.5	11.7	12.2	12.7	13. 2	13.7
Gross domestic product of fin- ancial corporate business 1	51.0	56. 2	52 . 0	52. 9	54.0	55, 1	57, 1	
Gross domestic product of non- financial corporate business	991.0	1,104.9	1,004.7	1,017.2	1,049.3	1, 094. 9	1,124.8	
Capital consumption allowances with capital consumption adjustment	107.0	116.6					118. 2	
			i		l	1		l
Net domestic product	884. 0	988. 3					1,006.6	
payments less subsidies	99.4	108.5	100.0		1	107. 5	109. 4	111.8
Domestic income Compensation of employees Wages and salaries	784. 6 650. 3 552. 6		657.3	674.4	700.6	727.4	897. 2 741. 2 626. 3	761.6
Supplements to wages and salaries	97.7	113. 2	l	102.0	ł			118.7
Corporate profits with inventory valuation and capital	101.9	110.4	106.8	97.1	96. 3	109.8	110 -	
consumption adjustments Profits before tax	130.6	110.4 141.9						
Profits tax liability	53.7	57.0	54.8	52.7	52.8	57.7	56. 9	
Profits after tax Dividends	76.9 32.4			76.0 36.0			85.1	
Undistributed profits	44.5			40.0			45.7	41.0
Inventory valuation adjustment	-14.1	-14.5					-5.9	-13.8
Capital consumption adjust- ment	-14.5	-17. 0	14.5	-14.7	-15.5	-15.8	-17.6	-19.1
Net interest	32.4			1	ľ		37. 5	l
1100 111001 0501		00.7	\	!	\		01.0	00.7
_			ВШ	ions of	1972 d	ollars		
Gross domestic product of non- financial corporate business	731.0	774.1	736.6	736.5	753.3	771.7	781, 2	
Capital consumption allowances with capital consumption adjustment	74.9	76.9	75.0	75.3	75.8		77. 2	77. 9
Net domestic product Indirect business tax and nontax liability plus business transfer	656.1	697. 2	661.6	661.3	677.5	695. 2	704.0	
liability plus business transfer	1					ļ		
payments less subsidies Domestic income	82. 9 573. 2	86. 7 610. 5		84. 7 576. 6	86.0 591.5		86. 7 617. 3	88. 0
				Do	llars			
Current-dollar cost and profit		1	1					
per unit of constant-dollar gross		\	İ					ŀ
domestic product 2	1,356	1, 427	1, 364	1.381	1, 393	1,419	1.440	
Capital consumption allowances with capital consumption adjustment	. 146		. 147					
Net domestic product Indirect business tax and nontax	1.209	1.277	1.217	1.231	1.244	1.271	1.288	
liability plus business transfer payments less subsidies	. 136	. 140	. 136	. 139	. 140	. 139	. 140	
Domestic income	1.073	1. 137	1.081	1.092	1.104	1, 132	1, 148	
Compensation of employees	.890						. 949	
Corporate profits with inventory				1		1		
valuation and capital consump- tion adjustments	. 139	. 143	. 145	. 132	.128	. 142	. 152	
Profits tax liability	.073						. 073	
Profits after tax with inven-	1					1	1	1
tory valuation and capital con- sumption adjustments								
Net interest		. 047	.044	.045	.046	. 047	.048	
	<u></u>	<u> </u>						

^{*}Preliminary.

1. Consists of the following industries: Banking; credit agencies other than banks; security and commodity brokers, dealers, and services; insurance carriers; regulated investment companies; small business investment companies; and real estate investment trusts.

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

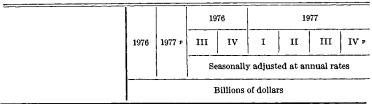


Table 9.—Auto Output	in Cu	ırrent	and (Const	ant D	ollars	(1.16,	1.17)
Auto output	62.9	72,8	60.9	66.1	74.1	73. 2	70.8	73, 2
Final sales Personal consumption ex-	61.8 55.0	71.3 63.8	61.4 54.8	64.9 58.1	73.0 65.0	73.3 65.1	68. 5 62, 3	70, 2 62, 8
penditures New autos	39.2	46. 0	37.8	40.8	45.8	47. 3	44.9	45 . 9
Net purchases of used autos Producers' durable equip-	15.8	17.8	16. 9	17. 3	19. 2	17.8	17.4	16. 9
ment New autos	8.8 15.7	10.3 19.1	8. 4 15. 5	8. 7 16. 6	9. 8 18. 8	10.3 19.5	10. 1 18. 8	11. 1 19. 5
New purchases of used autos	-7.0	-8.8	~7.1	-7.9	-9.0	-9.2	-8.7	-8.4
Net exports Exports Imports Government purchases of	-2.6 6.4 8.9	$ \begin{array}{r} -3.6 \\ 7.1 \\ 10.7 \end{array} $	-2.4 6.4 8.8	$ \begin{array}{c c} -2.6 \\ 6.4 \\ 9.0 \end{array} $	$ \begin{array}{c c} -2.5 \\ 7.1 \\ 9.6 \end{array} $	-2.8 7.3 10.1	-4.6 6.8 11.4	-4. 4 7. 2 11. 6
Government purchases of goods and services	.6	.7	.6	.6	.7	. 7	. 7	.8
Change in business inven- tories of new and used			_					
NewUsed	1.0 1.0 0	1.6 1.4 .1	5 0 6	1.2 1.0 .2	1.0 1.3 3	1 7 .6	2. 4 2. 6 -, 2	2. 9 2. 6 . 3
Addenda: Domestic output of new autos ¹	50.5	59.4	48.2	52, 6	60.4	59. 4	58, 8	59. 1
Sales of imported new autos 2	11.5	15. 2	11.6	12.6	14.0	16. 9	14.8	15. 2
	ļ		Bil	lions of	1972 dol	lars		
Auto output	50.1	55.7	48.2	51.2	56.8	56, 4	54.6	54.9
Final sales Personal consumption ex-	49.4	54.4	48.6	50.3	55.8	56, 1	52,7	53, 0
penditures	41.6 32.1	45. 4 35. 8	40. 9 30. 9	42.5 32.7	46. 5 36. 3	46. 6 37. 1	44. 5 34. 8	44. 2 34. 8
autos Producers' durable equip-	9.5	9. 7	10.0	9.8	10. 2	9.4	9.6	9.4
ment	8.3 12.9	9.8 14.9	8. 1 12. 7	8.3 13.3	9. 6 14. 9	10, 0 15, 3	9.7 14.6	9.8 14.8
autos	-4.6 -1.0 5.2 6.2	-5.1 -1.4 5.5 6.9	-4.6 9 5.3 6.2	-5.0 -1.0 5.1 6.1	-5.3 -1.0 5.6 6.6	-5.3 -1.1 5.7 6.8	-4.9 -2.0 5.2 7.2	-5.0 -1.6 5.5 7.1
Government purchases of goods and services	.5	.6	.5	.5	.6	.6	.6	.6
Change in business inven- tories of new and used					:			
New Used	.7 0.7	1.3 1.2 .1	4 1 4	.9 .8 .1	1.1 1.2 1	1 .3	2.0 1	1.9 1.7 .2
Addenda: Domestic output of new autos 1	41.3 9.4	46. 2 11. 9	39. 4 9. 5	42. 1 10. 1	47.8 11.1	46. 6 13. 3	45. 6 11. 5	44. 9 11. 6

		19	976		19	77	
197	1977 🌶	Ш	IV	I	II	ш	IV »
		Se	easonally	adjust	ed at ar	ınual ra	tes
		1	Billions o	of dollar	rs		

			В	illions (of dollar	S		
Table 10.—Pers	onal I	ncom	e and	Its D	isposi	tion (2.1)	
Personal income	1,382.7	1, 536, 1	1, 393.9	1, 432.2	1, 476.8	1, 517, 2	1, 549. 8	1, 600, 8
Wage and salary disburse- ments	891.8	989, 5	900.2	923.2	951.3	980. 9	998.9	1, 027, 1
Commodity-producing in- dustries 3 Manufacturing Distributive industries 4 Service industries 5 Government and govern-	308. 5 238. 2 217. 1 179. 0	346. 3 267. 2 242. 5 200. 8	310. 8 240. 2 220. 2 180. 9	317. 7 245. 1 226. 4 186. 7	329. 0 255. 4 234. 5 193. 0	265. 9 240. 5	351. 0 270. 0 244. 4 202. 8	359. 7 277. 8 250. 7 209. 7
ment enterprises	187. 2	199.9	188. 2	192.5	194.8	197. 2	200. 6	206. 9
Other labor income	75.9 88.0	88, 6 97, 9	77.3 86.2	80.0 88.7	83.2	86.7	90.3	94.0
			1		95.1	97,0	95, 5	104, 2
FarmNonfarm	18.6 69.4	19.5 78.4	16. 2 70. 0	16. 6 72. 0	20. 7 74. 3	19. 7 77. 3	15. 5 80. 0	22. 1 82. 0
Rental income of persons with capital consumption adjustment	23.3	25, 3	23.3	24.1	24.5	24, 9	25, 5	26, 4
Dividends	35.8	41, 2	36.0	38.4	38.5	40, 3	42, 3	43, 6
Personal interest income	130.3	147.9	132.3	136.4	140.3	145, 4	150. 3	155.6
Transfer payments	192.8	206.9	194.3	198.0	203.5	203,0	208,7	212, 5
Old-age, survivors, disability, and health insurance benefits	92. 9 15. 7 14. 4	105. 0 12. 7 13. 8	95. 8 15. 1 13. 6	98. 4 15. 0 13. 9	99. 9 15. 1 14. 3	101. 8 12. 3 13. 7	108. 5 11. 6 13. 3	109. 8 11. 8 13. 8
Government employees retirement benefits	25. 7	28.8	26.1	26. 4	27. 1	28. 4	29. 2	30. 5
Aid to families with de- pendent childrenOther	.9.9	10.3	10. 0 33. 8	10. 0 34. 3	10.0	10. 2 36. 6	10. 3 35. 6	10. 5 36. 0
Less: Personal contribu- tions for social insurance	55.2	61, 2	55.6	56.6	59.6	60.8	61, 7	62, 9
Less: Personal tax and nontax payments	196, 9	227.5	200, 6	209, 5	224, 4	224,8	226, 1	234, 6
Equals: Disposable personal income	1, 185.8	1, 308, 6	1, 193.3	1, 222.6	1, 252.4	1, 292, 5	1, 323, 8	1, 365. 9
Less: Personal outlays	1, 119.9	1, 240. 9	1, 128.5	1, 166.3	1, 201.0	1, 223, 9	1, 250, 5	1, 288, 1
Personal consumption ex- penditures Interest paid by consumers	1, 094. 0	1, 210. 1	1, 102. 2	1, 139. 0	1, 172. 4	1, 194. 0	1, 218. 9	1, 255. 3
to business	25.0	29.6	25. 5	26. 3	27. 5	28. 9	30. 4	31. 6
Personal transfer payments to foreigners (net)	.9	1.2	. 9	1.0	1.1	1.0	1.3	1.2
Equals: Personal saving	65.9	67.8	64.8	56.3	51.4	68, 5	73, 3	77.8
Addenda: Disposable personal income:								
Total, billions of 1972 dollars.	890.3	930. 3	890. 7	901. 5	908.4	924. 5	934. 4	953, 6
Per capita: Current dollars 1972 dollars	5, 511 4, 137	6, 035 4, 290	5, 540 4, 135	5, 665 4, 177	5, 793 4, 202	5, 967 4, 268	6, 098 4, 305	6, 279 4, 383
Population (millions)	215. 2	216.9	215. 4	215.8	216. 2	216. 6	217. 1	217. 5
Personal saving as percentage of disposable personal income	5. 6	5. 2	5. 4	4.6	4.1	5. 3	5. 5	5. 7

P Preliminary.
 Consists of final sales and change in business inventories of new autos produced in the United States.
 Consists of personal consumption expenditures, producers' durable equipment, and government purchases.
 Consists of agriculture, forestry, and fisheries; mining; contract construction; and manufacturing.
 Consists of transportation; communication; electric, gas, and sanitary services; and trade.
 Consists of finance, insurance, and real estate; services; and rest of the world.

Note.— $Table\ 10$: The industry classification of wage and salary disbursements and proprietors' income is on an establishment basis and is based on the 1972 Standard Industrial Classification.

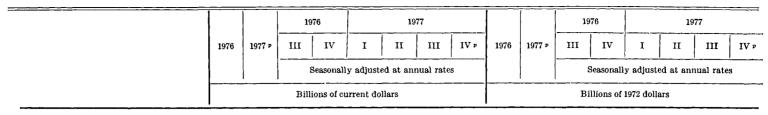


Table 11.—Personal Consumption Expenditures by Major Type of Product in Current and Constant Dollars (2.3, 2.4)

Personal consumption expenditures	1, 093. 9	1, 210, 1	1, 102, 2	1, 139, 0	1, 172, 4	1, 194, 0	1, 218. 9	1, 255, 3	821.3	860.3	822.7	839.8	850.4	854.1	860,4	876.4
Durable goods_ Motor vehicles and parts_ Furniture and household equipment Other	158, 9 71, 9 63, 9 23, 1	179, 4 83, 8 70, 3 25, 4	159. 3 72. 1 63. 9 23. 3	166. 3 75. 7 66. 5 24. 1	177.0 85.3 67.4 24.2	178, 6 84, 5 69, 3 24, 8	177, 6 81, 2 70, 9 25, 5	184.6 84.1 73.4 27.1	127. 5 55. 7 52. 8 19. 0	138. 0 61. 2 56. 6 20. 2	127. 1 55. 4 52. 7 19. 0	130. 7 56. 7 54. 6 19. 5	136. 9 62. 7 54. 8 19. 4	137.9 62.1 55.9 19.8	136, 5 59, 3 57, 0 20, 2	60. 8 58. 7
Nondurable goods. Food. Clothing and shoes. Gasoline and oil. Fuel oil and coal. Other.	442.7 225.5 76.3 41.4 12.0 87.6	480. 1 246. 3 82. 6 44. 8 12. 9 93. 5	444.7 227.0 76.9 41.2 12.0 87.7	458, 8 232, 0 79, 9 43, 5 13, 3 90, 0	466. 6 237. 9 79. 3 44. 1 13. 7 91. 6	474, 4 244, 8 80, 4 44, 3 12, 3 92, 5	481, 8 248, 3 83, 3 44, 2 12, 3 93, 7	497. 7 254. 2 87. 5 46. 4 13. 4 96. 2	321.6 159.7 64.7 25.2 5.7 66.4	333.3 167.6 67.4 25.8 5.4 67.1	321.5 160.1 64.7 24.9 5.6 66.2	329, 4 163, 9 66, 8 25, 6 6, 1 67, 1	329. 7 165. 4 65. 5 25. 8 5. 9 67. 1	330, 0 166, 4 66, 0 25, 6 5, 1 66, 9	332, 4 167, 6 67, 5 25, 5 5, 0 66, 8	70.6 26.1 5.5
Services. Housing Household operation Electricity and gas. Other. 'Transportation Other.	492, 3 167, 9 73, 0 33, 3 39, 6 36, 8 214, 6	550. 6 184. 5 83. 1 39. 4 43. 7 41. 4 241. 6	498. 2 170. 4 73. 1 32. 8 40. 3 37. 6 217. 1	513, 9 173, 7 78, 8 37, 6 41, 2 38, 7 222, 8	528.8 177.6 80.7 38.7 42.0 39.5 230.9	541. 1 181. 9 79. 2 36. 1 43. 1 40. 5 239. 4	559.5 186.7 85.2 41.0 44.2 42.3 245.3	572. 9 191. 6 87. 2 41. 7 45. 5 43. 1 250. 9	372, 2 136, 3 52, 7 21, 6 31, 1 28, 9 154, 3	389. 0 141. 1 56. 3 23. 2 33. 1 29. 5 162. 1	374. 0 137. 3 52. 5 21. 0 31. 5 29. 0 155. 2	379. 7 138. 2 55. 1 23. 4 31. 8 29. 1 157. 3	383. 8 139. 2 55. 8 23. 6 32. 2 29. 2 159. 6	386. 3 140. 3 54. 6 21. 7 32. 9 29. 3 162. 0	391, 4 141, 8 57, 0 23, 6 33, 4 29, 7 162, 9	

	1976		19	76		19	977			
		1977 ₽	ш	IV	I	111	111	IV p		
			Seasonally adjusted at annual rates							
			В	illions	of dolls	ars				

1977 1976 | 1977 ₽ III IV I II III IV » Seasonally adjusted at annual rates Billions of dollars

Table 12.—Federal Government Receipts and Expenditures (3.2)

Receipts	332.3	373. 9	337.1	344.5	364.9	371, 2	373, 2	
Personal tax and nontax receipts Income taxes Estate and gift taxes Nontaxes	147.3 141.6 5.6	170. 7 163. 4 7. 2 . 1		157. 1 150. 7 6. 3 . 1	170.0 157.9 11.9	163. 2 5. 3	162.8	169. 5.
Corporate profits tax accruals	55. 9	59. 5	56. 9	55. 1	55.4	59, 9	59. 5	
Indirect business tax and nontax accruals Excise taxes Customs duties ¹ Nontaxes	23. 4 16. 9 4. 6 1. 9	24.8 17.4 5.3 2.1	23.7 17.0 4.8 1.9	23.8 17.3 4.5 2.0	24. 2 17. 2 5. 0 2. 0	5. 4	25. 4 17. 5 5. 8 2. 1	25. 17. 5. 2.
Contributions for social insurance	105. 7	118.9	106. 2	108.4	115. 4	118. 1	119. 7	122.
Expenditures	386.3	423, 5	390.6	400.4	403.7	411.5	432, 1	446.
Purchases of goods and services	130. 1 86. 8 41. 6 24. 1 17. 6 45. 2	145. 4 94. 3 43. 9 25. 1 18. 8 50. 4	130. 2 86. 4 41. 2 23. 8 17. 3 45. 2	134. 2 88. 4 43. 0 24. 8 18. 2 45. 4	136. 3 89. 7 43. 3 24. 8 18. 5 46. 4	93, 4 43, 3 24, 7 18, 5	95. 6 43. 4 24. 8	153. 98. 45. 26. 19. 52.
Nondefense Compensation of employees Other	43. 3 20. 8 22. 6	51. 1 22. 5 28. 6	43.8 20.7 23.2	45. 8 21. 7 24. 0	46. 7 22. 1 24. 6	50. 2 22. 2 28. 0	52. 5 22. 4 30. 1	55. 23. 31.
Transfer payments To persons To foreigners	162. 0 158. 8 3. 2	173. 1 169. 8 3. 2	163. 9 160. 0 3. 9	166. 3 163. 1 3. 2	170. 7 167. 8 2. 9		174. 8 171. 2 3. 6	177. 174. 3.
Grants-in-aid to State and local governments	61.0	67. 6	63. 1	65. 5	62. 0	63, 6	72. 7	72.
Net interest paid. Interest paid. To persons and business. To foreigners. Less: Interest received by Government.	27. 2 32. 2 27. 7 4. 5	29. 5 35. 5 29. 9 5. 6	27. 3 32. 7 28. 1 4. 6	28. 5 33. 4 28. 7 4. 7	28.6 34.1 29.2 4.9	29. 1 35. 1 29. 9 5. 2 6. 0	29. 4 35. 6 29. 8 5. 9 6. 2	30. 37. 30. 6.
Subsidies less current surplus of Government enterprises. Subsidies. Less: Current surplus of Govern-	5. 9 5. 7	7. 9 7. 1	6. 1 5. 7	6. 0 5. 9	6. 1 6. 3	5. 9	7. 2 6, 3	12.
ment enterprises	3	7	4	1	. 2	.3	9	-2.
Less: Wage accruals less disbursements	0	0	0	0	0	0	0	0
Surplus or deficit (-), national income and product accounts	-54.0	-49. 6	-53.5	-55.9	-38.8	40.3	-58, 9	
Social insurance fundsOther funds	-12.5 -41.5	-10.2	-13.9	-15.0	-10.0	-7.9	-11.6	-11

Table 13.-State and Local Government Receipts and Expenditures (3.4)

Receipts	264.7	294.5	269.0	277.5	281.0	288, 1	301.6	
Personal tax and nontax receipts Income taxes	49. 6 26. 8 16. 0 6. 8	56. 8 31. 7 17. 5 7. 6	27. 1 16. 3		54. 4 30. 3 16. 8 7. 3	31. 4 17. 2	57. 5 32. 1 17. 7 7. 7	33. 1 18. 1
Corporate profits tax accruals	8.9	9.7	9.0	8.8	9.0	9.8	9.8	
Indirect business tax and nontax accruals	127. 1 57. 3 57. 6 12. 3	140. 3 63. 8 62. 8 13. 7	128. 1 57. 3 58. 2 12. 5	59. 1 59. 7	61. 7 61. 0	138. 6 63. 1 62. 1 13. 5	141. 5 64. 2 63. 4 13. 9	66. 2 64. 7
Contributions for social insurance	18. 1	20. 1	18. 5	19. 1	19. 5	19. 9	20. 2	20.7
Federal grants-in-aid	61.0	67.6	63. 1	65, 5	62.0	63.6	72, 7	72.2
Expenditures	246, 2	265.3	247.9	251, 1	253.7	262.6	268.7	276. 2
Purchases of goods and services Compensation of employees Other	231, 2 129, 2 102, 0	139.4	130.7	235. 8 132. 8 103. 1	238. 5 135. 1 103. 4	247. 0 137. 6 109. 4	140. 7	144.1
Transfer payments to persons	25. 9	28.0	26, 2	26, 5	27. 0	27. 7	28. 3	29.0
Net interest paid Interest paid Less: Interest received by Govern-	-5.7 11.6		11.7	-5.7 12.0	12, 1	12.4	12. 6	12.9
ment	17.3	18.9	17.6	17.7	18. 3	18. 7	19. 3	19.6
Subsidies less current surplus of government enterprisesSubsidiesLess: Current surplus of govern-	-5, 2 . 2					-5.7		
ment enterprises	5. 4	6. 1	5.3	5.8	6.0	6.0	6. 2	6.3
Less: Wage accruals less disburse- ments	0	0	0	0	0	0	0	0
Surplus or deficit (—), national income and product accounts	18. 4	29. 2	21. 1	26, 5	27. 3	25. 4	32, 9	
Social insurance fundsOther funds	14, 5 3, 9	15, 5 13, 7		15. 2 11. 3			15. 5 17. 4	15.7

 $[^]p\mathrm{Preliminary}.$ 1. Includes fees for licenses to import petroleum and petroleum products.

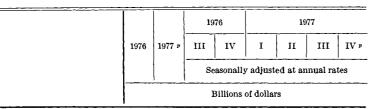


Table 14.—Foreign Transactions in the National Income and Product Accounts (4.1)

162, 9	175, 6	168, 4	168, 5	170.4	178, 1	179.9	174.3
162. 9 114. 7 48. 2	175. 6 120. 2 55. 4	168. 4 118. 4 50. 0	168. 5 118. 9 49. 7	170. 4 117. 9 52. 5	178, 1 122, 1 56, 0	179. 9 123. 2 56. 7	174. 3 117. 7 56. 5
0	0	0	0	0	0	0	o
162, 9	175, 6	168.4	168, 5	170.4	178, 1	179, 9	174.3
155. 1 123. 9 31. 1	184. 7 150. 5 34. 2	160, 6 129, 5 31, 0	165. 6 133. 2 32. 4	178. 6 145. 8 32. 8	187. 7 153. 3 34. 5	187. 4 153. 4 34. 0	185. 1 149. 5 35. 6
4. 2 . 9 3. 2	4. 4 1. 2 3. 2	4.8 .9 3.9	4. 2 1. 0 3. 2	4.0 1.1 2.9	3.9 1.0 2.9	4.9 1.3 3.6	4.8 1.2 3.6
4. 5	5. 6	4. 6	4.7	4.9	5, 2	5. 9	6.6
9	-19.1	-1.5	-5.9	-17.1	-18.8	-18.2	-22. 1
	162. 9 114. 7 48. 2 0 162. 9 155. 1 123. 9 31. 1 4. 2 . 9 3. 2	162.9 175.6 120.2 48.2 55.4 0 0 162.9 175.6 155.1 184.7 123.9 150.5 31.1 34.2 4.4 4.9 1.2 3.2 3.2 3.2 4.5 5.6	162. 9 175. 6 168. 4 114. 7 120. 2 118. 4 50. 0 0 0 162. 9 175. 6 168. 4 1155. 1 184. 7 120. 9 150. 5 129. 5 31. 1 34. 2 31. 0 4. 2 4. 4 4. 8 9 1. 2 9 3. 2 3. 9 4. 5 5. 6 4. 6	162. 9 175. 6 168. 4 168. 5 114. 7 120. 2 118. 4 118. 9 48. 2 55. 4 50. 0 49. 7 0 0 0 0 162. 9 175. 6 168. 4 168. 5 155. 1 184. 7 160. 6 165. 6 123. 9 150. 5 129. 5 133. 2 31. 1 34. 2 31. 0 32. 4 4. 2 4. 4 4. 8 4. 2 . 9 1. 2 . 9 1. 0 3. 2 3. 2 3. 9 3. 2 4. 5 5. 6 4. 6 4. 7	162.9 175.6 168.4 168.5 170.4 114.7 120.2 118.4 118.9 117.9 48.2 55.4 50.0 49.7 52.5 0 0 0 0 0 162.9 175.6 168.4 168.5 170.4 155.1 184.7 160.6 165.6 178.6 123.9 150.5 129.5 133.2 145.8 31.1 34.2 31.0 32.4 32.8 4.2 4.4 4.8 4.2 4.0 .9 1.2 .9 1.0 1.1 3.2 3.2 3.9 3.2 2.9 4.5 5.6 4.6 4.7 4.9	162. 9 175. 6 168. 4 168. 5 170. 4 178. 1 114. 7 120. 2 118. 4 118. 9 117. 9 122. 1 48. 2 55. 4 50. 0 49. 7 52. 5 56. 0 0 0 0 0 0 0 162. 9 175. 6 168. 4 168. 5 170. 4 178. 1 155. 1 184. 7 160. 6 165. 6 178. 6 187. 7 123. 9 150. 5 129. 5 133. 2 145. 8 187. 7 153. 3 31. 1 34. 2 31. 0 32. 4 32. 8 34. 5 4. 2 4. 4 4. 8 4. 2 4. 0 3. 9 4. 9 1. 2 . 9 1. 0 1. 1 1. 0 3. 2 3. 2 3. 9 3. 2 2. 9 2. 9 4. 5 5. 6 4. 6 4. 7 4. 9 5. 2	162. 9 175. 6 168. 4 168. 5 170. 4 178. 1 179. 9 114. 7 120. 2 118. 4 118. 9 117. 9 122. 1 123. 2 48. 2 55. 4 50. 0 49. 7 52. 5 56. 0 56. 7 0 0 0 0 0 0 0 162. 9 175. 6 168. 4 168. 5 170. 4 178. 1 179. 9 155. 1 184. 7 160. 6 165. 6 178. 6 187. 7 187. 4 123. 9 150. 5 129. 5 133. 2 145. 8 153. 3 153. 4 31. 1 34. 2 31. 0 32. 4 32. 8 34. 5 34. 0 4. 2 4. 4 4. 8 4. 2 4. 0 3. 9 4. 9 9 1. 2 . 9 1. 0 1. 1 1. 0 1. 3 3. 2 3. 2 3. 9 3. 2 2. 9 2. 9 3. 6 4. 5 5. 6 4. 6 4. 7 4. 9 5. 2 5. 9

Table 15.—Gross Saving and Investment (5.1)

Gross saving	237.0	274.3	244.8	232.2	251.4	277.2	284.5	
Gross private saving	272.5	294, 7	277.2	261. 6	262.9	292, 1	310.5	
Personal saving	65. 9	67. 8	64.8	56.3	51.4	68. 5	73. 3	77.8
Undistributed corporate	1 00.0	01.0	01.0	00.0	01. 1	00.0	10.0	11.0
profits with inventory	1				[1	1	
valuation and capital			İ			1	1	
consumption adjust-	1	1	ĺ	1	[1	ĺ	1
ments	27.6	29.9	31.6	20.8	22.5	30.3	37. 4	i
Undistributed profits	56.4	61.7	58.0	52.5	58.8	64.1	61. 2	
Inventory valuation ad-			****	02.0	00.0	01.1	01.5	
justment	-14.1	-14.5	-11.7	-16.9	-20.6	-17.8	-5.9	-13.8
Capital consumption ad-						1	""	10.0
justment	-14.7	-17.2	-14.7	-14.8	-15.6	-15.9	-17.9	-19.4
Corporate capital consump-	1]			20.0	1	
tion allowances with			1			[1	
capital consumption ad-	1		1		1		1	Ì
justment	111.8	121.9	112.9	115.2	117.6	119.4	123. 7	127.0
Noncorporate capital con-	í		1		i	1	i	
sumption allowances with	1	İ		l		l		ł
capital consumption ad-		ì	ı	l	l			ł
_justment	67.2	75. 1	68.0	69.2	71.4	73.8	76. 2	78.9
Wage accruals less disburse-						ł)	
ments	0	0	0	0	0	0	0	0
Government surplus or defi-					1			
cit(-), national income and	ĺ	İ	1	(i	
product accounts	-35.6	-20.4	-32.4	-29.4	-11.5	-14.9	-26.0	
Federal	-54.0	-49.6	-53.5	-55.9	-38.8	-40.3	-58.9	
State and local	18.4	29. 2	21.1	26.5	27.3	25, 4	32. 9	
Capital grants received by the	1	İ		ĺ		1	i	
United States (net)	1 0	0	0	0	0	0	0	0
(,	1 -		1	•	"	ì		
Gross investment	242.5	275.3	252.8	237.5	254.7	276.1	285, 4	284, 9
Gross private domestic invest-				1	'			
ment	243.3	294.3	254.3	243.4	271.8	294. 9	303.6	307. 0
Net foreign investment	9	-19.1	-1.5	-5.9	-17.1	-18.8	-18.2	-22.1
Statistical discrepancy	5, 5	1.0	8.0	5.3	3, 3	-1,2	.9	
	ı	(1	1	Į.	1

		19	76		1	977	
1976	1977 ₽	III	IV	I	II	III	IV »
		Se	asonally	adjust	ted at ar	nual ra	tes
		I	Billions	of dolla	rs		

Table 16.—Inventories and Final Sales of Business in Current and Constant Dollars (5.9, 5.10)

Cons	tant I	Dollar	s (5.9,	9.10)				
Inventories 1			455, 5	461.5	478, 6	482, 5	492.0	504.7
Farm		 	61.3	59.8	62.8	60. 0	57. 6	60. 5
Nonfarm			394. 2 220. 9 173. 3	225.8	231.4	235.0		249.0
Manufacturing Durable goods Nondurable goods			201. 7 127. 5 74. 2	130.8	133. 1	134.4	138.9	141.9
Wholesale trade Durable goods Nondurable goods			74. 3 45. 6 28. 7	46.0	47, 5	48.8	50.6	51.2
Retail trade Durable goods Nondurable goods	_	1	35.8	36.5	38, 2	39. 0	40.6	42.1
Other			3 7. 9	39. 1	40, 2	40.8	42. 4	43.4
Final sales 2			1, 441, 5	1, 486, 1	1, 518, 5	1,564.7	1, 604, 4	1,657.6
Ratio of inventories to final sales			. 316 . 273			. 308 . 270		.304 .268
			Bill	lions of	1972 dol	lars		
Inventories 1			300.8	300, 4	302, 8	306, 1	310,0	312.0
Farm			42.0	41. 4	41.3	41.2	41. 3	41.6

		<u> </u>	l	<u> </u>		<u></u>		<u> </u>
			Bil	lions of	1972 dol	lars		
Inventories 1			300.8	300, 4	302, 8	306.1	310,0	312.0
Farm			42.0	41. 4	41.3	41.2	41.3	41.6
Nonfarm Durable goods Nondurable goods			258. 8 147. 4 111. 4	147. 4	148.8	150. 7	152. 4	153. 3
Manufacturing Durable goods Nondurable goods	l	!	82.4	82.7	83.0	83.8	84. 2	84.4
Wholesale trade Durable goods Nondurable goods			49. 8 31. 5 18. 3	31, 2	31.8	32.4	32.9	32.9
Retail trade Durable goods Nondurable goods			58. 0 25. 7 32. 3	25, 6	26. 1	26.4	27. 3	27.8
Other			23. 4	2 3. 6	2 3. 5	23. 6	23, 7	23.8
Final sales 2		} -	1, 076. 6	1, 095, 7	1, 106, 5	1, 121, 7	1, 134, 8	1, 156. 3
Ratio of inventories to final sales			. 279 . 240					

Table 17.—National Income Without Capital Consumption Adjustment by Industry (6.4)

	1, 002, 0	1,415.0	1,437.9	1,488,2	1, 545. 7	1, 583, 6	
1, 384, 9	1, 544, 8	1, 399.7	1, 423. 4	1,470.6	1, 527. 3	1, 565, 9	
						41. 0 102. 1	
146.9	160. 7	148. 2	148.3	152, 4	410. 8 159. 4 251. 4	166. 4	
30.9	35. 4	31.4	32.5	33. 3	34.5	3 6. 0	
220. 7 91. 1 129. 6	28. 9 245. 5 99. 7 145. 8	20. 3 225. 5 93. 7 131. 8	229. 5 92. 7 136. 8	234. 8 94. 6 140. 1	241.8	251. 4 102. 9	
160. 8 188. 2	181. 5	163. 1	166. 8 195. 5	172. 2 202. 5	177. 8 207. 9		
214.9 14.4	231. 1 17. 5	216. 0 15. 3	221. 4 14. 4	225. 0 17. 6	227. 9 18. 4	2 3 2. 0	16.3
	1,384,9 40.8 87.1 365.0 146.9 218.1 50.6 30.9 25.9 220.7 91.1 129.6 160.8 188.2 214.9	1, 384, 9 1, 544, 8 40, 8 87, 1 365, 0 1410, 411, 4 146, 9 150, 6 30, 9 250, 8 25, 9 220, 7 91, 1 129, 6 160, 8 160, 8 160, 8 160, 8 181, 5 188, 2 211, 5 214, 9 231, 1	1,384.9 1,544.8 1,399.7 40.8 44.5 38.7 5 365.0 411.4 369.9 146.9 146.9 146.7 148.2 221.7 50.6 55.8 51.7 30.9 25.4 31.4 25.9 28.9 26.3 220.7 245.5 99.7 129.6 145.8 181.5 163.1 188.2 211.5 163.1 188.2 211.5 169.5	1,384,9 1,544,8 1,399,7 1,423,4 40,8 44,5 38,7 39,8 87,1 99,1 87,5 89,5 365,0 411,4 369,9 370,8 146,9 160,7 148,2 148,3 218,1 250,8 221,7 222,6 50,6 55,8 51,7 52,1 30,9 35,4 31,4 32,5 25,9 28,9 26,3 25,4 220,7 245,5 92,7 93,7 92,7 129,6 145,8 131,8 136,8 160,8 181,5 163,1 166,8 188,2 211,5 189,5 195,5 214,9 231,1 216,0 221,4	1, 384, 9 1, 544, 8 1, 399, 7 1, 423, 4 1, 470, 6 40, 8 44, 5 38, 7 39, 8 44, 4 87, 1 99, 1 87, 5 89, 5 90, 7 365, 0 411, 4 369, 9 370, 8 386, 5 146, 9 160, 7 148, 2 148, 3 152, 4 218, 1 250, 8 221, 7 222, 6 234, 1 50, 6 55, 8 51, 7 52, 1 53, 2 30, 9 35, 4 31, 4 32, 5 33, 3 25, 9 28, 9 26, 3 25, 4 28, 0 220, 7 94, 5 99, 7 93, 7 92, 7 94, 6 129, 6 145, 8 131, 8 136, 8 140, 1 160, 8 181, 5 163, 1 166, 8 172, 2 188, 2 211, 5 189, 5 195, 5 202, 5 214, 9 231, 1 216, 0 221, 4 225, 0	1,384.9 1,544.8 1,399.7 1,423.4 1,470.6 1,527.3 40.8 44.5 38.7 39.8 44.4 44.2 87.1 99.1 87.5 89.5 90.7 99.5 365.0 411.4 369.9 370.8 386.5 410.8 148.9 160.7 148.2 248.3 152.4 159.4 218.1 250.8 221.7 222.6 234.1 251.4 50.6 55.8 51.7 52.1 53.2 55.5 30.9 35.4 31.4 32.5 33.3 34.5 25.9 28.9 26.3 25.4 28.0 27.4 220.7 245.5 225.5 229.5 234.8 241.8 91.1 99.7 93.7 92.7 94.6 98.7 129.6 145.8 131.8 136.8 140.1 143.1 160.8 181.5 163.1 166.8 172.2 277.8 214.9<	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

<sup>Preliminary.
1. Inventories are as of the end of the quarter. The quarter-to-quarter change in inventories calculated from current-dollar inventories shown in this table is not the current-dollar change in business inventories (CBI) components of GNP. The former is the difference between two inventory stocks, each valued at end-of-quarter prices. The latter is the change in the physical volume of inventories valued at average prices of the quarter. In addition, changes calculated from this table are at quarterly rates, whereas CBI is stated at annual rates.
2. Quarterly totals at annual rates.
3. Equals ratio of nonfarm inventories to final sales of business. These sales include a small amount of final sales by farms.</sup>

Note.—Table 16: Inventories are classified as durable or nondurable as follows: For manufacturing, by the type of product produced by the establishment holding the inventory; for trade, by the type of product sold by the establishment holding the inventory; for construction, durable; and for other nonfarm industries, nondurable. The industry classification is based on the 1972 Standard Industrial Classification.

Table 17: The industry classification of compensation of employees, proprietors' income, and rental income is on an establishment basis; the industry classification of corporate profits and net interest is on a company basis. The industry classification of these items is based on the 1972 Standard Industrial Classification.

9, 6

- 1	1976 1977 >	1976					1977				
	1976	1977 >	III	IV	I	II	ш	IV »			
			Se	asonally	adjuste	ed at an	inual ra	tes			

		1	976		19	977	
1976	1977 ₽	III	IV	I	II	III	IV »
			Se	asonall	y adjust	ted	
		Inde	ex numb	er, 1972	=100		

	l		1					
			Billi	ons of ci	irrent d	ollars		
Table 18.—Cor	porat	e Prof	its by	Indu	stry (6.18)		
	<u>-</u> 	Ī	Ī	1	1	<u>-</u>	1	Ī
Corporate profits with inventory valuation and capital consumption adjustment	128, 1	140. 3	133, 5	123, 1	125, 4	140, 2	149, 0	
Domestic industries	119.9	130.8	125. 1	115, 4	115.3	129.5	139. 5	
Financial Nonfinancial	18. 0 101. 9	20. 4 110. 4	18.3	18. 3 97. 1	19. 1 96. 3	19.7	21. 0 118. 5	
Rest of the world	8, 1	9.6	8, 4	7,7	10, 1	10.7	9,6	
Corporate profits with	}							
inventory valuation adjustment and with- out capital consump- tion adjustment	142,7	157. 5	148, 2	137. 9	141.0	156, 2	166, 9	
Domestic industries	134.6	147.9	139.8	130, 2	131.0	145. 5	157. 4	
Financial 1Federal Reserve banks	18, 2	20. 6 6. 2	18. 4 5. 9	18. 4	19. 2 6. 1	19. 9 6. 2	21. 2	
Other	12, 2	14.4	12.5	12.3	13. 1	13. 7	15. 1	
Nonfinancial	116. 4 66. 3	127. 3 74. 7	121. 3 68. 4	111.8 62.9	111.8 65.2	125. 5 76. 4	136. 1 77. 6	
Nondurable goods	36, 4	37. 7	37. 4	33. 9	33. 7	37. 0	40.1	
products	8.3		9.7	7. 1	5. 1	5.6	8.0	
products	7.4		7.3	6.6	7.7	8.3	8.1	
productsOther	9.9 10.8		9. 3 11. 2	9.9 10.3	9. 2 11. 7	10. 5 12. 6	9.9 14.2	
Durable goods	29.9	37.0	31.0	29.0	31.5	39.4	37. 5	
Primary metal indus- tries	2, 4		2. 2	1.1	1.0	2.7	. 3	
Fabricated metal products	3.5		3.7	3.0	3. 2	4.1	4.3	
Machinery, except electrical	5.9		6.3	6.6	6.8	7.7	8.9	
Electric and elec- tronic equipment	3.7		3.9	4.0	4.6	5. 3	5. 0	
Motor vehicles and equipment Other	7. 2 7. 2		7. 3 7. 7	6.9 7.4	8. 0 7. 9	9.8 9.8	8. 5 10. 4	
Wholesale and retail trade. Transportation, communication, and electric,	27, 1		29, 1	27. 4	24. 0	25. 4	31. 2	
gas, and sanitary services	11,5		12. 2	10.4	11.6	11.5	14. 1	
Other	11,5		11.6	11.1	11.0	12. 2	13. 2	
Rest of the world.	8, 1	9, 6	8, 4	7,7	10, 1	10,7	9, 6	
Corporate profits before deduction of capital consumption allowances with inventory								
valuation adjustment	239, 9	262, 2	246, 4	238, 3	243.0	259, 7	272,7	
Domestic industries Financial ¹	231, 8 22, 9	252. 7 25. 7	238. 0 23. 2	230. 6 23. 3	232.9 24.2	249. 0 25. 0	263, 1 26, 4	
Federal Reserve banks Other	6. 0 16. 9	6. 2 19. 5	5. 9 17. 2	6. 1 17. 2	6. 1 18. 1	6. 3 18. 7	6, 2 20, 3	
Nonfinancial Manufacturing	208. 9 106. 3	226. 9 117. 6	214. 8 108. 8	207. 3 104. 2	208. 7 107. 2	224. 0 119. 0	236. 7 120. 8	
Nondurable goods Food and kindred	55. 2	58. 1	56.5	53, 3	53.5	57.2	60. 7	
products Chemicals and allied	11.7 11.9		13, 2 11, 9	10. 6 11. 2	8. 7 12. 5	9. 3	11.8	
products Petroleum and coal products	15.3		14.7	15. 5	14.8	16. 1	15. 5	
Other	16.3		16.8	16.0	17.6	18.6	20. 2	
Durable goods Primary metal indus-	51, 1	59. 5	52. 3	50.9	53. 6	61.8	60.1	
tries Fabricated metal	6.1		6, 0	4.9	4.9	6.7	4.4	
products Machinery, except	5. 2		5.4	4.7	4.9	5.8	6.1	
electrical Electric and elec-	9.6		10.0	10.3	10.5	11.5	12.7	
tronic equipment Motor vehicles and equipment	6. 6 10. 7		6. 8 10. 8	7. 0 10. 8	7. 6 11. 9	8. 3 13. 6	8. 0 12. 3	
Other	12.8		13. 3	13. 3	13. 9	15.9	16.5	
Wholesale and retail trade. Transportation, com- munication, and elec- tric, gas, and sanitary	37. 4		39.6	38.1	34.8	36. 4	42.6	
servicesOther	36. 9 28. 3		37.9 28.5	36. 7 28. 4	38. 3 28. 5	38.8 29.9	42, 0 31, 4	
Rest of the world	9.1	9.6	8.4	77	10 1	10.7	9.6	l

8. 1

9.6

7.7

10, 1

10.7

Rest of the world.....

Table 19.—Implicit Pri	ice De	flators	for C	ross I	Vation	al Pr	oduct	(7.1)
Gross national product.	133, 88	141, 32	134, 56	136.35	138. 13	140, 52	142, 19	144. 34
Personal consumption expend- itures	133. 2	140.7	134.0	135.6	137.9	139.8	141.7	143. 2
Durable goods Nondurable goods Services	137.7	130. 0 144. 1 141. 5	125. 3 138. 3 133. 2	127. 2 139. 3 135. 4	129.3 141.5 137.8	129. 5 143. 8 140. 1	130. 0 144. 9 142. 9	131. 2 146. 0 145. 1
Gross private domestic invest-			 	 				
Fixed investment	139.8 138.7 150.7	150. 3 146. 0 160. 3	140. 6 139. 2 150. 9	142. 9 140. 9 152. 8	145. 8 142. 5 156. 6	148. 5 144. 4 159. 7	151. 3 146. 9 160. 9	155. 3 150. 2 164. 0
equipment Residential Nonfarm structures Farm structures	142. 5 143. 0	139. 8 159. 9 160. 5 159. 4	133. 9 144. 1 144. 5 145. 3	135. 4 147. 5 148. 0 148. 9	136. 5 153. 7 154. 3 153. 7	137. 7 157. 6 158. 2 157. 7	140. 8 160. 9 161. 5 160. 6	144. 1 166. 5 167. 3 166. 5
Producers' durable equipment Change in business inventories	122, 6	126.8	123. 4	123.8	125. 2	126, 6	127. 6	127.9
Net exports of goods and services			 					
ExportsImports	170. 0 194. 3	179. 2 211. 5	172.0 198.4	174. 0 199. 3	175, 9 207, 0	180. 8 210. 6	180. 2 213. 9	180. 0 214. 6
Government purchases of goods and services	136.7	145.7	137, 2	139.8	142, 3	144.6	146, 3	149. 4
Federal	134.8 137.7	143. 5 147. 1	134.7 138.6	138. 2 140. 7	140. 6 143. 4	142. 0 146. 2	143. 3 148. 1	147. 8 150. 4

Table 20.—Fixed-Weighted Price Indexes for Gross National Product, 1972 Weights (7.2) Gross national product. | 134.9 | 143.2 | 135.5 | 137.5 | 139.9 | 142.3 | 144.0 | 146.1

Gross national product.	134.9	143. 2	135, 5	137.5	139.9	142, 3	144.0	140.1
Personal consumption expend- itures	134.0	141.7	134.8	136.3	138.6	140, 9	142,8	144. 4
Durable goods Nondurable goods Services	138.9	130. 5 145. 6 142. 0	125. 3 139. 6 133. 7	127. 3 140. 4 135. 6	129. 3 142. 7 138. 1	130. 0 145. 3 140. 6	130. 6 146. 6 143. 4	132. 0 147. 7 145. 6
Gross private domestic invest-								
Fixed investment Nonresidential Structures Producers' durable	140.3	152. 7 148. 9 157. 5	142. 0 140. 9 148. 7	144. 5 143. 0 150. 6	148. 1 145. 1 153. 7	151. 1 147. 6 156. 8	153, 6 149, 8 158, 4	157. 5 152. 7 160. 9
equipment	142. 5	144. 0 159. 7	136. 4 144. 0	138. 6 147. 4	140.3 153.6	142, 4 157, 4	144. 9 160. 7	148. 0 166. 4
Net exports of goods and serv- ices								
Exports	172. 4 185. 2	181. 8 199. 2	173. 9 188. 8	176. 2 190. 6	177. 8 194. 5	182. 6 198. 7	182. 6 202. 7	182. 7 205. 2
Government purchases of goods and services	137, 1	146.0	137.5	140, 4	142.7	144,8	146,6	149.7
FederalState and local	136. 4 137. 6	145. 2 146. 6	136. 3 138. 3	140. 4 140. 3	142. 3 142. 9	143. 6 145. 7	145. 2 147. 6	149. 4 150. 0
Addenda:				,				
Final sales Gross domestic product Business Nonfarm	134. 4 134. 7	143. 1 142. 6 142. 7 142. 9	135. 4 135. 1 135. 3 134. 9	137. 4 137. 1 137. 1 137. 1	139. 8 139. 4 139. 4 139. 0	142. 2 141. 8 141. 9 141. 6	143. 9 143. 4 143. 6 143. 7	146. 0 145. 6 145. 5

P Preliminary.

1. Consists of the following industries: Banking; credit agencies other than banks; security and commodity brokers, dealers, and services; insurance carriers; regulated investment companies; small business investment companies; and real estate investment trusts.

Note.— $Table\ 18$: The industry classification is on a company basis and is based on the 1972 Standard Industrial Classification.

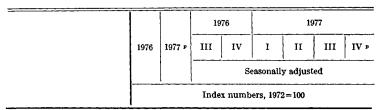


Table 21.—Implicit Price Deflators for Gross National Product by Major Type of Product (7.3)

Gross national product.	133, 88	141, 32	134, 56	136, 35	138, 13	140, 52	142, 19	144, 34
Final sales Change in business inventories	133.7	141.2	134. 3	136. 2	138. 1	140.3	142.1	144.3
Goods. Final sales. Change in business inventories.	131.7 131.4	136, 2 135. 8	132, 2 131, 7	133. 1 132. 9	133. 8 133. 7	135, 9 135, 3	136. 7 136. 4	138, 1 137. 9
Durable goods	129. 0 128. 8	134. 5 134. 2	130. 2 129. 6	131.9 131.7	132. 6 132. 4	133. 9 133. 2	135. 6 134. 6	136. 6 136. 5
Nondurable goods	133. 6 133. 1	137. 3 137. 0	133. 7 133. 1	134.0 133.7	134.7 134.6	137. 4 136. 8	137. 6 137. 7	139. 2 138. 9
ServicesStructures		143, 1 158, 8	134.7 146.6	137. 1 149, 1	139, 6 153, 6	141, 9 157, 1	144.3 159.8	146. 7 164. 2

Table 22.—Implicit Price Deflators for Gross National Product by Sector (7.5)

Gross national product	133, 88	141, 32	134. 56	136, 35	138, 13	140, 52	142, 19	144, 34
Gross domestic product	133, 4	140.8	134, 1	135.9	137.6	140.0	141.7	143.8
Business	133.5	140.5	134. 2	135.8	137.3	139.8	141.5	143. 4
Nonfarm	133.3	140.7	134.1	135.9	137.1	139.7	142.0	
Nonfarm less housing	134.6	141.9	135.4	137.3	138.4	141.0	143, 3	
Housing	121.5	129.6	122.3	123.9	126.5	128.6	130.6	132. €
Farm Residual	145. 1	140.1	141.6	136. 2	145.6	145. 6	130. 5	139.0
Households and institutions.	139. 6	152. 2	141.1	143.6	148.8	150.6	152. 4	156. (
Government	131.5	139.6	131.7	134.9	136.9	138.4	139. 7	143. 3
Federal	128.8	136.6	127.6	133. 2	134.6	134. 9	135. 1	142.0
State and local	132.8	141.0	133.8	135.7	138.0	140. 2	141.9	144. (
Rest of the world					1			

Table 23.—Implicit Price Deflators for the Relation of Gross National Product, Net National Product, and National Income (7.6)

Gross national product	133.88	141, 32	134, 56	136, 35	138, 13	140, 52	142, 19	144, 34
Less: Capital consumption allowances with capital consumption adjustment	142. 1	151.8	143. 2	145.3	147.6	149. 3	153. 2	156. 5
Equals: Net national product	133, 0	140, 2	133.6	135.4	137.1	139, 5	141.0	143.0
Less: Indirect business tax and nontax liability plus business transfer payments less subsi- dies plus current sur- plus of government enterprises. Residual	125. 2	129. 9	125. 2	126.6	128. 4	130. 5	131.4	129. 1
Equals: National income	134.1	141.6	134.8	136.6	138, 3	140.8	142, 3	

		19	76		197	1977		
1976	1977 🌶	III	IV	I	II	III	IV p	
		Inc	Se lex num		y adjust 			

Table 24.—Implicit Price Deflators for Net National Product and National Income by Sector (7.7)

								
Net national product	133, 0	140, 2	133, 6	135.4	137, 1	139, 5	141.0	143.0
Net domestic product	132, 5	139, 6	133, 1	134, 9	136, 5	138. 9	140.4	142.5
Business Nonfarm Farm Residual	132. 1 146. 1	139. 1 139. 3 136. 0	133. 0 132. 9 140. 9	134. 5 134. 7 132. 9	135. 9 135. 8 144. 8	138. 5 138. 5 144. 2	140. 0 140. 6 122. 5	141. 8 133. 3
Households and institutions. Government	139.6 131.5	152. 2 139. 6	141. 1 131. 7	143. 6 134. 9	148. 8 136. 9	150. 6 138. 4	152. 4 139. 7	156. 6 143. 3
Rest of the world	.		<u>-</u>	-	 -		.	
National income	134. 1	141.6	134, 8	136, 6	138, 3	140.8	142, 3	
Domestic income	133.5	141.0	134.2	136. 1	137.7	140. 1	141.6	
Business Nonfarm Farm		140.7 141.1 126.3	134. 3 134. 6 124. 6	135. 9 136. 5 118. 4	137. 3 137. 4 133. 9	139. 9 140. 2 129. 8	141. 5 142. 5 110. 5	1 3 0. 9
Households and institutions Government	139. 6 131. 5	152. 2 139. 6	141. 1 131. 7	143.6 134.9	148. 8 136. 9	150. 6 138. 4	152. 4 139. 7	156. 6 143. 3
Rest of the world	 -			.	 -		- 	

Table 25.—Implicit Price Deflators for Auto Output (7.9)

Auto output	125, 5	130, 7	126, 3	129, 1	130.3	129.7	129, 8	133, 2
Final sales Personal consumption ex-	125, 1	131,0	126.3	129, 1	130.9	130, 5	129.9	132.5
penditures New autos Net purchases of used autos	132. 1 122. 3	140. 4 128. 6	133. 8 122. 5	136. 9 124. 9	139.9 126.3	139. 7 127. 4	140. 1 128. 9	142.0 131.8
Producers' durable equipment New autos Net purchases of used autos	106. 1 122. 1	105. 2 128. 4	104. 0 122. 3	105. 1 124. 7	101.5 126.1	102. 2 127. 2	104. 1 128. 7	112.9 131.5
Net exports	121, 9	128. 9	122.5	125.3	125. 7	127. 9	130. 0	132. 1
Imports	143.6	154. 2	143. 2	147. 2	145. 5	148. 9	157. 7	163. 8
goods and services	121.8	122.8	121. 2	122.5	119.5	121. 5	121.8	127. 7
Addenda: Domestic output of new autos 1. Sales of imported new autos 2	122, 2 122, 3	128. 5 128. 6	122. 4 122. 5	124.9 124.9	126. 2 126. 3	127. 4 127. 4	129. 0 128. 9	131. 7 131. 8

Table 26.—Implicit Price Deflators for Personal Consumption Expenditures by Major Type of Product (7.11)

Personal consumption expenditures	133, 2	140.7	134.0	135, 6	137, 9	139, 8	141,7	143, 2
Durable goods	124.7	130, 0	125, 3	127, 2	129, 3	129, 5	130.0	131, 2
Motor vehicles and parts Furniture and household	129. 1	136.8	130, 2	133. 6	136. 1	135. 9	136.8	138. 4
equipmentOther	120.9 122.1	124. 1 125. 9	121. 2 122. 5	121. 8 123. 9	123. 1 124. 8	123.9 125.1	124. 4 126. 1	125. I 127. 3
Nondurable goods	137.7	144, 1	138, 3	139, 3	141, 5	143,8	144, 9	146,0
Food	117.9 164.4	147. 0 122. 6 173. 8	141. 7 118. 8 165. 1	141.5 119.6 170.0	143. 9 121. 1 170. 7	147. 2 121. 9 173. 3	148. 1 123. 4 173. 5	148. 8 123. 8 177. 6
Fuel oil and coal Other	212. 1 1 3 1. 9	239. 8 139. 3	214.0 132.5	218. 8 134. 3	230. 4 136. 6	240. 0 138. 3	244. 6 140. 3	245. 4 142. 1
Services	132, 3	141,5	133, 2	135.4	137.8	140, 1	142, 9	145, 1
Household operation Electricity and gas Other Transportation Other	138. 4 154. 3	130. 7 147. 5 169. 8 131. 9 140. 2 149. 1	124. 1 139. 2 156. 2 128. 0 130. 0 139. 9	125.7 142.9 161.0 129.6 132.9 141.7	127. 6 144. 6 164. 1 130. 3 135. 6 144. 7	129. 6 145. 2 166. 4 131. 2 138. 3 147. 8	131. 7 149. 3 173. 2 132. 4 142. 6 150. 6	133. 9 150. 8 175. 2 133. 8 144. 3 153. 1

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

Note.—Table 21 "Final sales" is classified as durable or nondurable by type of product. "Change in business inventories" is classified as follows: For manufacturing, by the type of product produced by the establishment holding the inventory; for trade, by the type of product sold by the establishment holding the inventory; for construction, durable; and for other industries, nondurable.

Tables 22 and 24 The industry classification within the business sector is on an establishment basis and is based on the 1972 Standard Industrial Classification.

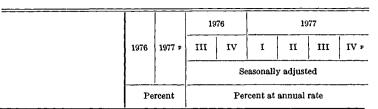


Table 27.—Percent Change From Preceding Period in Gross National Product in Current and Constant Dollars, Implicit Price Deflator, and Price Indexes (8.9)

Gross national product:	,,,	10.0		6.7	13. 2	19.7	10. 2	10.7
Current dollars	11.6 6.0	10.8 4.9	8.6 3.9	6.7 1.2	7.5	13. 7 6. 2	5.1	4.2
Implicit price deflator	5.3	5.6	4.6	5.4	5.3	7. 1	4.8	6.2
Chain price index	5.6	6.0	4.6	5.9	6.9	7.0	4, 3	6.0
Fixed-weighted price index					_			
index	5. 6	6.1	4.8	6.0	7.1	7. 0	4.8	6. 1
Personal consumption expend- itures:								
Current dollars	11.6	10.6	9.1	14.1	12. 2	7.6	8.6	12.5
1972 dollars Implicit price deflator	6.0	4.8	3.6	8.6	5. 1	1.8	3.0	7.6
Implicit price deflator	5.3	5.6	5. 3	5.0	6.8	5. 7	5. 5	4.5
Chain price index	5.3	5.7	5. 2	4.6	7.0	6.6	5. 4 5. 4	4.6
Fixed-weighted price index	5.3	5.7	5. 2	4.6	7.0	6.8	Ð. 4 <u>.</u>	4.7
Durable goods: Current dollars	19.6	12.9	6.7	18.8	28. 2	3.6	-2.2	16.9
1972 dollars		8.3	1.5	11.8	20, 2	3.0	~3.9	13.0
Implicit price deflator	5.7	4. 3	5, 2	6. 2	6.6	. 6	1.7	3. 5
Chain price index	5.4	4.5	4. 3	6.8	6. 5	1. 9	1.8	4.1
Fixed-weighted price index						2. 2	2.0	4.4
index	5.6	4.6	4. 2	6.7	6.3	2. 2	2.0	4.4
Nondurable goods: Current dollars.	8.2	8.4	7. 1	13. 3	7.0	6.8	6.4	13.9
1972 dollars		3.6	2.8	10. 2	.3	. 3	3.0	10.5
Implicit price deflator		4.7	4.1	2.8	6.7	6. 5	3. 2	3.1
Chain price index	3.4	4.8	4. 1	2.4	6.6	7.4	3.6	3.0
Fixed-weighted price index				1		7. 5	3, 6	3.0
index	3.4	4.8	4. 2	2.4	6.7	7. 0	3.0	3.0
Services: Current dollars	12. 4	11.8	11.7	13.3	12, 0	9. 6	14.3	9.9
1972 dollars	4.9	4.5	4.9	6, 2	4.4	2. 7	5.4	3. 4
Implicit price deflator		7.0	6.4	6.7	7. 3	6.8	8.5	6. 3
Chain price index	71	7.0	6. 4	5.9	7.4	7.5	8.1	6.3
Fixed-weighted price index						7.5	8.2	0.0
index	7. 2	7.1	6. 6	6.0	7.5	7. 0	0.2	6. 3
Gross private domestic invest-								
ment: Current dollars	28.7	21.0	17.3	-16.1	55. 5	38. 6	12.4	4. 5
1972 dollars	22. 2	13. 1	17. 3 9. 9	-20.9	48.4	24. 3	7.5	一6.1
Implicit price deflator								
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index								
Fixed investment: Current dollars	14.7	20. 3	12.3	21.3	24.4	25. 7	10.3	23.4
1972 dollars	8.6	11.9	6. 2	13.8	14.7	16.8	2. 5 7. 6	11.0
Implicit price deflator	5.6	7.5	5, 8	6.6	8.4	7.6	7.6	11.1
Chain price index	6.0	7.7	6. 2	7.1	9.0	7.8	7.0	10. 7
Fixed-weighted price index	8.0			۱ ,,	10. 2	8.3	6.9	10. 5
	6.0	8.2	6. 5	7.3	10. 2	0.0	0.3	10. 5
Nonresidential: Current dollars	8.6	14.6	13.4	6.7	24, 5	12.8	11.6	18. 2
1972 dollars		8.9	9.0	1.8	19.0	7.0	3.9 7.4	8.4
Implicit price deflator	4.8	5.3	4. 1	4.8	4.6	5. 4	7.4	9.0
Chain price index	5.5	5.8	4. 6	6.0	5. 1	6.7	6.2	8.7
Fixed-weighted price index	5.4	6.1	4.6	6.0	6. 2	7.1	6.0	8.1
Structures:							ĺ	
Structures:							10.8	15.0
Current dollars	5.6	10.3	1.3	7.5	6.3	24.0		
Current dollars	2.2	10. 3 3. 6	1.3 1	2.2	-3.5	14.7	7.3	6.7
1972 dollarsImplicit price deflator	2. 2 3. 3	3. 6 6. 4	1 1. 4	2. 2 5. 2	-3.5 10.2	14, 7 8, 1	7. 3 3. 3	6. 7 7. 8
1972 dollars Implicit price deflator Chain price index	2. 2 3. 3	3.6	1	2.2	-3.5	14.7	7.3	6.7
1972 dollarsImplicit price deflator	2. 2 3. 3 3. 1	3. 6 6. 4	1 1. 4	2. 2 5. 2	-3.5 10.2	14, 7 8, 1	7. 3 3. 3	6. 7 7. 8
1972 dollars Implicit price deflator. Chain price index Fixed-weighted price index	2. 2 3. 3 3. 1	3, 6 6, 4 6, 2	1 1.4 2.5	2. 2 5. 2 5. 1	-3.5 10.2 8.1	14, 7 8, 1 8, 6	7. 3 3. 3 4. 8	6. 7 7. 8 6. 8
1972 dollars Implicit price deflator. Chain price index Fixed-weighted price index Producers' durable equipment:	2. 2 3. 3 3. 1 2. 8	3. 6 6. 4 6. 2 6. 2	1 1.4 2.5 2.3	2. 2 5. 2 5. 1 5. 2	-3.5 10.2 8.1 8.4	14. 7 8. 1 8. 6 8. 3	7. 3 3. 3 4. 8 4. 2	6. 7 7. 8 6. 8 6. 6
1972 dollars Implicit price deflator. Chain price index Fixed-weighted price index Producers' durable equipment: Current dollars	2. 2 3. 3 3. 1 2. 8	3. 6 6. 4 6. 2 6. 2	1 1.4 2.5 2.3	2. 2 5. 2 5. 1 5. 2 6. 2	-3.5 10.2 8.1 8.4	14. 7 8. 1 8. 6 8. 3	7. 3 3. 3 4. 8 4. 2	6. 7 7. 8 6. 8 6. 6
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. 1972 dollars.	2. 2 3. 3 3. 1 2. 8	3. 6 6. 4 6. 2 6. 2 16. 9 11. 3	1 1.4 2.5 2.3 20.4 13.4	2. 2 5. 2 5. 1 5. 2 6. 2 1. 6	-3.5 10.2 8.1 8.4 34.7 30.5	14. 7 8. 1 8. 6 8. 3	7. 3 3. 3 4. 8 4. 2	6. 7 7. 8 6. 8 6. 6
1972 dollars Implicit price deflator. Chain price index Fixed-weighted price index Producers' durable equipment: Current dollars 1972 dollars. Implicit price deflator.	2. 2 3. 3 3. 1 2. 8 10. 2 4. 2 5. 8	3. 6 6. 4 6. 2 6. 2 16. 9 11. 3 5. 0	1 1. 4 2. 5 2. 3 20. 4 13. 4 6. 1	2. 2 5. 2 5. 1 5. 2 6. 2 1. 6 4. 6	-3.5 10.2 8.1 8.4 34.7 30.5 3.3	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6	7. 3 3. 3 4. 8 4. 2 12. 0 2. 5 9. 3	6. 7 7. 8 6. 8 6. 6
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. 1972 dollars. Implicit price deflator. Chain price index.	2. 2 3. 3 3. 1 2. 8	3. 6 6. 4 6. 2 6. 2 16. 9 11. 3	1 1.4 2.5 2.3 20.4 13.4	2. 2 5. 2 5. 1 5. 2 6. 2 1. 6	-3.5 10.2 8.1 8.4 34.7 30.5	14. 7 8. 1 8. 6 8. 3	7. 3 3. 3 4. 8 4. 2 12. 0 2. 5 9. 3 6. 9	6. 7 7. 8 6. 8 6. 6
1972 dollars Implicit price deflator. Chain price index Fixed-weighted price index Producers' durable equipment: Current dollars 1972 dollars. Implicit price deflator.	2. 2 3. 3 3. 1 2. 8 10. 2 4. 2 5. 8	3. 6 6. 4 6. 2 6. 2 16. 9 11. 3 5. 0	1 1. 4 2. 5 2. 3 20. 4 13. 4 6. 1	2. 2 5. 2 5. 1 5. 2 6. 2 1. 6 4. 6	-3.5 10.2 8.1 8.4 34.7 30.5 3.3	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6	7. 3 3. 3 4. 8 4. 2 12. 0 2. 5 9. 3	6. 7 7. 8 6. 8 6. 6
1972 dollars Implicit price deflator. Chain price index Fixed-weighted price index Producers' durable equipment: Current dollars 1972 dollars Implicit price deflator Chain price index Fixed-weighted price	2. 2 3. 3 3. 1 2. 8 10. 2 4. 2 5. 8 6. 8	3. 6 6. 4 6. 2 6. 2 16. 9 11. 3 5. 0 5. 7	1 1.4 2.5 2.3 20.4 13.4 6.1 5.8	2. 2 5. 2 5. 1 5. 2 6. 2 1. 6 4. 6 6. 4	-3.5 10.2 8.1 8.4 34.7 30.5 3.3 3.5	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6 5. 7	7. 3 3. 3 4. 8 4. 2 12. 0 2. 5 9. 3 6. 9	6. 7 7. 8 6. 8 6. 6 19. 9 9. 2 9. 8 9. 6
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Residential: Current dollars.	2.2 3.3 3.1 2.8 10.2 4.2 5.8 6.8 7.1	3.6 6.4 6.2 6.2 6.2 16.9 11.3 5.0 5.7 6.1	1 1, 4 2, 5 2, 3 20, 4 13, 4 6, 1 5, 8 6, 1	2. 2 5. 2 5. 1 5. 2 6. 2 1. 6 4. 6 6. 4 6. 5	-3.5 10.2 8.1 8.4 34.7 30.5 3.3 3.5 4.8	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6 5. 7 6. 3	7.3 3.3 4.8 4.2 12.0 2.5 9.3 6.9 7.1	6. 7 7. 8 6. 8 6. 6 19. 9 9. 2 9. 8 9. 6 9. 0
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. 1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Residential: Current dollars.	2.2 3.3 3.1 2.8 10.2 4.2 5.8 6.8 7.1	3.6 6.4 6.2 6.2 16.9 11.3 5.0 5.7 6.1	1 1.4 2.5 2.3 20.4 13.4 6.1 5.8 6.1	2.2 5.2 5.1 5.2 1.6 4.6 6.4 6.5 63.3 48.8	-3.5 10.2 8.1 8.4 34.7 30.5 3.3 3.5 4.8	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6 5. 7 6. 3	7.3 3.3 4.8 4.2 12.0 2.5 9.3 6.9 7.1 7.7	6.7 7.8 6.8 6.6 19.9 9.2 9.8 9.6 9.0
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. 1972 dollars. Implicit price deflator. Fixed-weighted price index. Fixed-weighted price index. Residential: Current dollars. 1972 dollars. 1972 dollars. Implicit price deflator.	2.2 3.3 3.1 2.8 10.2 4.2 5.8 6.8 7.1 32.2 23.2 7.3	3.6 6.4 6.2 6.2 16.9 11.3 5.0 5.7 6.1	1 1.4 2.5 2.3 20.4 13.4 6.1 5.8 6.1	2.2 5.2 5.1 5.2 6.2 1.6 4.6 6.4 6.5 63.3 48.8 9.7	34. 7 30. 3 3. 3 3. 5 4. 8	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6 5. 7 6. 3	7.3 3.3 4.8 4.2 12.0 2.5 9.3 6.9 7.1 7.7 7 8.5	6.7 7.8 6.8 6.6 19.9 9.2 9.8 9.6 9.0
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. 1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Residential: Current dollars.	2.2 3.3 3.1 2.8 10.2 4.2 5.8 6.8 7.1	3.6 6.4 6.2 6.2 16.9 11.3 5.0 5.7 6.1	1 1.4 2.5 2.3 20.4 13.4 6.1 5.8 6.1	2.2 5.2 5.1 5.2 1.6 4.6 6.4 6.5 63.3 48.8	-3.5 10.2 8.1 8.4 34.7 30.5 3.3 3.5 4.8	14. 7 8. 1 8. 6 8. 3 7. 6 3. 9 3. 6 5. 7 6. 3	7.3 3.3 4.8 4.2 12.0 2.5 9.3 6.9 7.1 7.7	6.7 7.8 6.8 6.6 19.9 9.2 9.8 9.6 9.0

			19	76		19	977	
}	1976	1977 р	III	IV	I	II	III	IV »
				Se	asonall	y adjus	ted	
	Per	cent		Per	cent at	annual	rate	

Table 27.—Percent Change From Preceding Period in Gross National Product in Current and Constant Dollars, Implicit Price Deflator, and Price Indexes—Con.

Exports:								
Current dollars	10.6	7.8	20. 9	. 3	4. 4	19.3	4.1	-11.9
1972 dollars	6.5	2. 3 5. 4	11.7	-4.2	.0	7.0	5. 5	-11.5
Implicit price deflator Chain price index	3. 8 3. 6	5.3	8.3 7.6	4, 7 5, 5	4.4 3.2	11.5	-1.3 3	5 . 1
Fixed-weighted price index	3.1	5. 5	7.4	5.4	3. 2	11. 2 11. 2	i	.3
	(
Imports: Current dollars	22, 2	19. 1	29. 9	13.0	35. 4	22, 1	7	-4.8
1972 dollars	18. 4	9.4	10.8	11.0	16.5	13. 9	-6.7	-6.0
1972 dollars Implicit price deflator	3.2	8.9	17.3	1.9	16. 2	7. 2	6.4	1.2
Chain price index	2.9	7.3 7.6	14. 7	4.1	6. 9	7.4	10.3	4.5
Fixed-weighted price index	2.5	7.6	13.0	4.0	8.3	8.8	8.3	5.0
Government purchases of								i
goods and services:	6.6	9. 3	4.7	7.0		17 0	11.0	13.3
Current dollars	0.0	2.5	4.7	7.9	5.4 -1.9	17. 9 10. 6	11.0 6.1	4.1
Implicit price deflator	. 5 6. 0	6.6	. 3 4. 4	8.0	7.4	6.6	4.6	8.8
Chain price index	6.1	6.5	4.8	8.4	7.0	6. 2	4.2	8.9
Fixed-weighted price index	5.8	6.5	4.5	8.6	6.8	6. 1	5. 1	8.8
Federal:								
Current dollars		11.8	5.6	12.6	6.6	23. 3	12.9	16.4
1972 dollars	2	5. 0 6. 4	2.5	1.6	3	18. 2	8.9 3.6	2.9
Implicit price deflator Chain price index	5.7 5.9	6.2	3.0 3.8	10.8 12.3	6. 9 5. 5	4. 3 3. 3	2.5	13.7
Fixed-weighted price in-	0. 5		0.0	12. 0	0.0	0.0		
dex	5.6	6.4	3.8	12.8	5. 6	3. 4	4.5	12. 3
State and local:								1
Current dollars	7.2	7.9	4.2	5.4	4.7	14.9	9.9	11.5
1972 dollars	1.0	1.1	-1.0	-1.0	-2.8	6. 3	4, 4	4.9
Implicit price deflator	6.2	6.8	5, 2	6.4	7.7	8.1	5.3	6.3
Chain price index Fixed-weighted price in-	6.1	6.7	5.4	6.3	7.9	7.9	5. 2	0.2
dex	5.8	6.6	5.0	5.9	7.7	7.9	5. 5	6.5
Addenda:								1
Final sales:	l l	[
Current dollars	9.9	10.6	7.9	12. 4	9.6	11.9	9.9	13. 5
1972 dollars Implicit price deflator	4.5	4.7	3.4	6.3	3.8	5. 1	4.4	6.8
Implicit price deflator	5, 2	5.6	4.4	5.8	5.6	6. 5	5.3	6.3
Chain price index Fixed-weighted price in-	5.6	6.0	4.6	5.9	6.9	7. 0	4.3	0.0
dex	5.6	6.1	4.8	6.0	7.1	7.0	4.9	6.1
•								
Gross domestic product: Current dollars	11.4	10.7	8. 2	6.9	12, 6	13. 6	10. 5	11.1
1072 dollars	5.9	4.9	3.7	1.3	7. 2	6. 1	5. 3	4.5
1972 dollarsImplicit price deflator	5. 2	5.5	4.4	5. 5	5.0	7. 1	4.9	6. 3
Chain price index	5.6	5.9	4.5	6.0	6.7	7.0	4.3	6.0
Fixed-weighted price index	5.6	6.1	4.6	6, 1	7.0	7.0	4.8	6.2
Business:								
Current dollars	12.0	11.1	8.6	6. 2 1. 3	13.3	14. 9 6. 9	10.9	10.6
1972 dollars Implicit price deflator	6.7 4.9	5. 5 5. 3	4. 2 4. 2	4.9	8. 4 4. 5	7.5	5. 6 5. 1	4.8 5.6
Chain price index	5.4	5.8	4.3	5. 4	6.5	7. 5	4.3	5. 2
Fixed-weighted price in-				i				
dex	5.4	6, 0	4.5	5. 5	6.8	7. 5	5.0	5.2
Nonfarm:							1	l
Current dollars	12.7	11.6	9.4	7.0	13. 1	16. 9	11. 7	
1972 dollars	7.1	5.8	3. 4 5. 9	1. 4 5. 5	9. 0 3. 7	8. 4 7. 8	4.8 6.7	4.5
Implicit price deflator. Chain price index	5. 2 5. 5	5. 6 6. 1	5.6	6.5	5.5	7.5	5.6	
Fixed-weighted price	i '							
index	5.6	6.3	5.9	6.7	5.8	7.5	6. 2	
Disposable personal income:	1							}
Current dollars	9.4	10.4	6.7	10. 2	10.1	13. 4	10.0	13.4
1972 dollars	3.8	4.5	1.3	4.9	3. 1	7.3	4. 3	8. 4
				L				
n Proliminary								

^p Preliminary.

Preliminary.

Note.—Table 27: The implicit price deflator for GNP is a weighted average of the detailed price indexes used in the deflation of GNP. In each period, the weights are based on the composition of constant-dollar output in that period. In other words, the price index for each item is weighted by the ratio of the quantity of the item valued in 1972 prices to the total output in 1972 prices. Changes in the implicit price deflator reflect both changes in prices and changes in the composition of output. The chain price index uses as weights the composition of output in the prior period, and, therefore, reflects only the change in prices between the two periods. However, comparisons of percent changes in the chain index also reflect changes in the composition of output. The fixed-weighted price index uses as weights the composition of output in 1972. Accordingly, comparisons over any timespan reflect only changes in prices.

Plant and Equipment Expenditures: Year 1978

NEW plant and equipment expenditures by business are expected to total \$150.9 billion in 1978, 10.1 percent more than in 1977, according to the survey conducted by BEA in late November and December (table 1). This survey is the first BEA survey that covers the year 1978. Estimated 1977 spending, based on the survey conducted a month earlier, is \$137.0 billion, 13.7 percent more than in 1976.

These figures are not adjusted for price change. BEA began collecting estimates of capital goods price changes from survey respondents in 1970. In the present survey, respondents estimated that prices of capital goods purchased by them increased 8 percent in 1977. and they expect a similar increase in 1978 (table 2).2 The survey results have usually indicated larger actual price increases than the implicit price deflator for the fixed nonresidential investment

component of GNP. The deflator is considered to be a more reliable measure of actual price increases, because the survey may reflect the estimates of officials at companies' central offices who typically have little information on which to base such estimates. The deflator increased about 5½ percent in 1977, suggesting that real spending on plant and equipment increased 8 percent. If capital goods prices increase another 5½ percent in 1978, an increase in real spending of 4½ percent for 1978 is implied by the survey results.

Annual surveys taken in November-December have been reported for the past 8 years. Planned spending exceeded actual spending in 4 years and fell short of it in 4 (chart 5); the average deviation between planned and actual spending was 1.4 percent. The percentages by which planned spending exceeded actual spending were largest in the recession years 1970 and 1975. If the preliminary estimate of 1977 spending is realized, spending plans for 1977 would show a shortfall of 1½ perent—the largest on record.

Table 1.—Expenditures for New Plant and Equipment by U.S. Business 1

	.1976	1977"	1978 2	1976–77	1977-78
	Bi	llions of dolla	urs	Percent	change
All industries	120, 49	137, 02	150.89	13.7	10,1
Manufacturing	52, 48	61, 03	67.35	16.3	10.4
Durable goods	23, 68	28, 26	31.57	19.3	11.7
Primary metals 3 Blast furnaces, steel works. Nonferrous metals. Electrical machinery Machinery, except electrical Transportation equipment 3 Motor vehicles Aircraft 4 Stone, clay, and glass. Other durables 5 Nondurable goods Food including beverage Textiles. Paper Chemicals Petroleum Rubber Other nondurables 6	5. 03 3. 62 2. 45 . 94 1. 72 4. 73 28. 81 3. 75 . 81 3. 27	5. 89 2. 82 2. 25 3. 30 5. 86 5. 27 4. 02 1. 00 2. 04 5. 90 32. 77 4. 15 . 93 3. 40 6. 90 14. 18 1. 44 1. 76	6. 16 2. 74 2. 74 3. 72 6. 77 5. 96 4. 48 1. 24 2. 33 35. 78 4. 59 1. 05 3. 64 7. 36 1. 62 2. 16	-1.3 -5.9 2.7 26.0 16.6 45.6 63.9 6.4 18.8 24.7 13.8 10.8 14.6 3.9 3.4 22.1 31.4 11.0	4. 6 -2. 5 11. 4 12. 7 15. 6 13. 0 11. 5 23. 4 14. 3 12. 4 9. 2 10. 5 12. 3 7. 2 6. 9 8. 2 12. 8 23. 4
Nonmanufacturing.	68, 01	75. 99	83, 54	11.7	9. 9
Mining Railroad Air transportation Other transportation Public utilities Electric Gas and other Communication, commercial, and other?	4. 00 2. 52 1. 30 3. 63 22. 28 18. 80 3. 47 34. 29	4. 44 2. 90 1. 68 2. 41 26. 14 21. 74 4. 40 38. 42	5. 27 3. 34 2. 17 1. 88 29. 27 24. 25 5. 02 41. 61	11, 1 15, 2 29, 3 -33, 5 17, 3 15, 6 26, 5 12, 0	18. 6 15. 2 28. 9 -21. 9 12. 0 11. 5 14. 1 8. 3

^{1947-69:} Part I" in the January 1970 Survey of Current Business and the March 1970, 1972, 1974, and 1976 Survey issues. The estimate for 1977 is based on actual expenditures in

1. For estimates of prior years, see pages 25-40 of "Revised Estimates of New Plant and Equipment Expenditures,

the first three quarters plus plans for the fourth quarter. The plans were adjusted for systematic biases by procedures described on pages 36-39 of the February 1970 SURVEY.

The 1978 plans were adjusted for systematic biases. Before adjustment, plans were \$68.13 billion for manufacturing and \$83.80 billion for nonmanufacturing; the net effect of the adjustments was to lower manufacturing \$0.78 billion and to lower nonmanufacturing \$0.26 billion. The bias adjustments, which are computed separately for each major industry, were applied only when plans deviated from actual spending in the same direction for 5 of the last 7 years. In these cases, the adjustment used was the median deviation between actual and planned spending in the last 5 years.

^{2.} Respondents were asked:

[&]quot;What are your best estimates of average price changes from 1976 to 1977 and expected price changes from 1977

[&]quot;a. Prices paid by your company for new construction, machinery, and equipment.

[&]quot;b. Prices of goods and/or services sold by your company." Similar information was obtained in the corresponding annual surveys conducted since 1970. The companies' responses on capital goods and sales price changes were weighted by their reported capital expenditures and sales, respectively.

<sup>P Preliminary.
1. Excludes agricultural business; real estate; medical, legal, educational, and cultural services; and nonprofit organizations.
2. Estimates are based on planned capital expenditures reported by business in late November and December 1977. The estimates of expected expenditures for 1978 have been corrected for biases.
3. Includes industries not shown separately.
4. Includes industries not shown separately.
5. Consists of fabricated metal, lumber, furniture, instruments, and miscellaneous.
6. Consists of apparel, tobacco, leather, and printing-publishing.
7. Includes trade, service, construction, finance, and insurance.</sup>

Table 2.—Change in Prices of Capital Goods Purchased

[Percent change from preceding year]

:	Nov.	rted in -Dec. urvey	Reported in NovDec. 1977 survey		
	Actual 1976	Expect- ed 1977	Actual 1977	Expect- ed 1978	
All Industries	8, 3	7, 9	7.8	7. 9	
Manufacturing	8.1	8,0	7.8	7, 9	
Durable goods Nondurable goods	8. 0 8. 1	7.7 8.2	7.8 7.8	7.6 8.2	
Nonmanufacturing	8.4	7.9	7.8	7. 9	
Mining Transportation	11. 1 8. 8	10. 1 8. 2	10. 3 8. 3	10.0 8.2	
Public utilities Communication, com- mercial, and other	8. 7 7. 8	7.9 7.5	7. 5 7. 5	7.7 7.8	

The 1978 spending plans show moderate increases for both manufacturing and nonmanufacturing. In manufacturing, durable goods industries generally plan larger increases than nondurables. In nonmanufacturing, all industry groups except "other transportation" plan sizable increases.

Spending plans for manufacturing are \$67.4 billion, 10½ percent more than spending in 1977; there was a

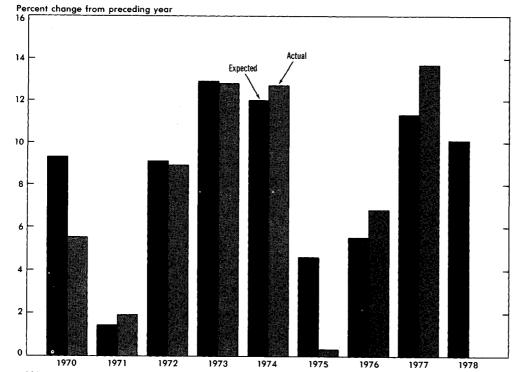
16.3-percent increase in 1977. The largest increases in 1978 spending are planned by aircraft (23½ percent), "other nondurables" (23 percent), and nonelectrical machinery (15½ percent). Increases between 10 and 14 percent are planned by stone-clay-glass, electrical machinery, rubber, textiles, "other durables," motor vehicles, nonferrous metals, and food-beverage. Other manufacturing industries plan smaller increases except iron and steel, which plans a small decrease.

The smaller increase in manufacturers' planned spending for 1978, compared with last year's actual spending increase, is more than accounted for by four major industries—motor vehicles, rubber, electrical machinery, and petroleum. This year, these four industries plan to increase their spending only \$2.2 billion compared with a \$5.1 billion increase last year.

Spending by nonmanufacturing industries as a whole is expected to increase 10 percent, to \$83.5 billion; last year, spending increased 11½ percent. Air transportation companies plan

I CHART 5

Expected and Actual Capital Spending



NOTE.—Expected spending estimates are from November-December surveys. Estimate of 1977 actual spending is preliminary. U.S. Department of Commerce, Bureau of Economic Analysis

Table 3.—Change in Business Sales

[Percent change from preceding year]

		1977		1978
	Expec			Ex- pected as re-
Manufacturing	Dec. 1976	Feb. 1977	Actual	ported in: Dec. 1977
Manufacturing	10, 9	10.3	12, 8	10, 2
Durable goods 1	11.9	11, 2	14.6	10.7
Primary metals	14.6	14. 2	10.2	12. 2
Electrical machinery.	12.6	12.4	14.5	10.5
Machinery, except			1	
electrical	9.7	11.2	10.2	10.1
Transportation				
equipment	13.3	10.2	22.0	10.9
Stone, clay, and glass.	8.8	9.3	15.1	10. 5
Nondurable goods 1 Food including bev-	10, 0	9. 4	10, 9	9.7
erage	8.4	7.0	5.8	8, 1
Textiles	5.9	5, 8	12.6	8.2
Paper	11.5	10. 1	8.0	9.5
Chemicals	14.5	12.8	10.8	11.8
Petroleum	9, 9	10.5	17.4	10.€
Rubber	19.6	16. 1	14.2	11.1
Trade	8.9	9. 1	10.1	10, 4
Wholesale	8.4	8.1	10.3	10. 2
Retail	9. 2	9. 7	10.0	10. 7
Public utilities	15.3	14, 4	18.8	11,0

1. Includes industries not shown separately.

Sources: Manufacturing data from Bureau of the Census, Current Industrial Reports, Series M-3, for first 10 months of 1977, and BEA estimates for November and December 1977. Trade data are from Bureau of the Census, Current Business Reports, Monthly Wholesale Trade and Monthly Retail Trade, and BEA estimates for November and December 1977. Public utility figures are estimated by BEA on basis of data collected in the annual business investment surveys.

a 29-percent increase, the same as last year's actual increase. Mining companies plan an 18½-percent increase and railroads, 15 percent. Gas utilities plan a 14-percent increase after a 26½-percent increase last year. Electric utilities also plan a smaller increase than occurred last year—11½ percent compared with 15½ percent. Spending by the "other transportation" group is planned to decline 22 percent; spending in 1978 is about half that in 1976 when outlays for the Trans-Alaska pipeline were at a peak.

(Continued on page 44)

Table 4.—Change in Prices of Products and Services Sold by Manufacturing and Utility Companies

[Percent change from preceding year]

	Nov.	rted in -Dec. urvey	Reported in NovDec. 1977 survey		
	Actual 1976	Expect- ed 1977	Actual 1977	Expect- ed 1978	
Manufacturing	5, 4	5, 7	5. 9	6.0	
Durable goods Nondurable goods	5. 8 5. 0	6. 1 5. 3	6. 1 5. 6	6. 2 5. 8	
Public utilities	12, 9	11.7	12, 0	7.9	

Regional Patterns of Change in Nonfarm Income in Recession and Expansion

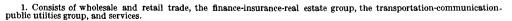
FROM the fourth quarter of 1973 to the third quarter of 1977, nonfarm income increased faster than the national average in the southern and western BEA regions (Southwest, Rocky Mountain, Far West, Plains, and Southeast) and more slowly than the national average in the Northeast-Great Lakes BEA regions (Great Lakes, New Eng-

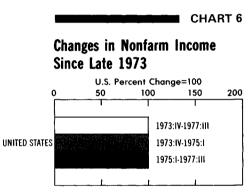
land, and Mideast). This period extends from the national cyclical peak to the most recent quarter for which regional income estimates are available, and may be divided into a recession phase, dating to the national cyclical trough in the first quarter of 1975, and an expansion phase, dating from that trough. In general, the regional pat-

tern of change that characterizes the whole period also characterizes both the recession and the expansion (chart 6). However, regional differences in the rates of increase in nonfarm income were wider in the recession than in the expansion: In the recession, the rates ranged from 19 percent above the national average for the southern and

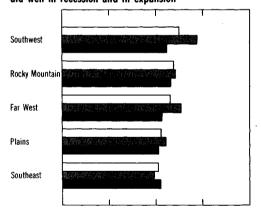
Table A.-Percent Change in Nonfarm Income and Selected Components

ļ		1	Vage and salar	y disbursement	s				
Ranked by gain in nonfarm income 1973:IV-1977:III	Nonfarm income	Manufac- turing	Construc- tion	State and local government	Private service-type industries ¹				
		19	73:IV-1977:III						
United States	43, 4	31.6	17.7	41.7	43.				
Southern and western regions: Southwest. Rocky Mountain. Far West. Plains Southeast Average.	54. 1 51. 8 49. 7 45. 9 44. 7 49. 2	50. 6 42. 3 35. 1 38. 3 37. 0 40. 7	49. 8 22. 3 38. 0 36. 4 11. 0 31. 5	51. 0 52. 9 47. 7 43. 2 46. 0 48. 2	55. 54. 52. 47. 43.				
Northeast-Great Lakes regions: Great Lakes. New England. Mideast Average.	41. 1 37. 3 36. 7 38. 4	30. 5 28. 0 21. 2 26. 6	19. 5 -12. 3 -5. 7	38. 4 30. 0 35. 2 34. 5	40. 36. 33. 37.				
	1973:IV-1975:I								
United States	11, 9	1,9	3	12,7	11,				
Southern and western regions: Southwest. Rocky Mountain. Far West. Plains Southeast A verage.	17. 0 14. 3 15. 1 13. 2 11. 6 14. 2	12.8 11.4 5.9 7.4 -1.2 7.3	10.7 -2.5 .9 7.1 -3.6 2.5	16. 4 15. 7 14. 6 11. 0 14. 9 14. 5	16. 14. 14. 12. 10.				
Northeast-Great Lakes regions: Great Lakes. New England. Mideast. Average.	8. 6 9. 8 10. 9 9. 8	-2.7 3.7 3.0 1.3	-1.0 -12.0 -6.8 -6.6	11. 0 8. 5 10. 9 10. 1	10. 9. 9. 9.				
		`	1975:I-1977:III						
United States	28, 2	29, 1	18,0	25.8	28,				
Southern and western regions: Southwest Rocky Mountain Far West Plains Southeast A verage	31. 6 32. 7 30. 1 28. 9 29. 7 30. 7	33. 6 27. 7 27. 6 28. 7 38. 7 31. 3	35. 3 25. 5 36. 7 27. 3 15. 1 28. 0	29. 6 32. 1 28. 9 29. 0 27. 0 29. 3	33. 35. 33. 30. 29.				
Northeast-Great Lakes regions: Great Lakes. New England. Mideast. Average.	29. 9 25. 0 23. 2 26. 0	34. 0 23. 5 17. 7 25. 1	20.7 3 1.2 7.2	24. 7 19. 8 21. 9 22. 1	26. 25. 22. 24.				

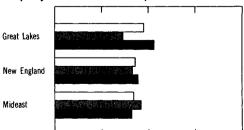




Most regions that grew at rates above national average did well in recession and in expansion



Most regions that grew at rates below national average did poorly in recession and in expansion



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

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western group to 18 percent below the average for the Northeast-Great Lakes group; in the expansion, the respective rates ranged from only 9 percent above the average to 8 percent below.¹

In four of the five southern and western regions (the Southwest, Rocky Mountain, Far West, and Plains) the growth advantage—the percent by which the rate of increase in nonfarm income exceeded the national averagewas larger in the recession than in the expansion. Nearly all major industrial components of nonfarm income (wage and salary disbursements in manufacturing, construction, State and local government, and private service-type industries) increased faster than the national average, and thus supported the growth advantage in the recession; all major components except manufacturing supported the advantage in the expansion (table A). The Southeast, in contrast, had a growth disadvantage (the percent by which the rate of increase in nonfarm income fell short of the national average) in the recession; it was slight and was mainly due to declines in manufacturing (especially textiles) and construction. With sharp improvement in manufacturing (both durables and nondurables), the Southeast showed a growth advantage in the expansion.

The patterns of change were less uniform among the three Northeast-Great Lakes regions. The Great Lakes had the largest growth disadvantage in the recession; the size of the disadvantage reflected severe weakness in manufacturing—especially in the automobilemanufacturing States of Michigan, Ohio, and Indiana—and in construction. In contrast, this region showed a growth advantage in the expansion. It was the only one of the three regions to do so, and the reversal reflected sharp turnarounds in automobile manufacturing and construction and increases nearer to the national average in State and local government and private service-type industries. In New England, the growth disadvantage was smaller in the expansion than in the

recession, as private service-type industries and State and local government increased at rates nearer to the national average. In the Mideast, the disadvantage was larger in the expansion, due to weakness in manu-

facturing and private service-type industries. Such weakness was especially evident in New York, which lost manufacturing plants in the face of high tax burdens and high labor and fuel costs.

Table 1.-Total Personal Income, States and Regions

[Millions of dollars, seasonally adjusted at annual rates]

State and region		19	76			1977	
State dire region	I	11	Ш	ıv	I	II	III
United States	1,340,368	1,368,559	1, 392, 927	1, 427, 974	1, 470, 257	1,510,902	1, 543, 524
New England. Connecticut. Maine Massachusetts New Hampshire Rhode Island Vermont.	22,523 5,571 37,134 4,718 5,825	79, 241 22, 546 5, 694 37, 698 4, 814 5, 916 2, 573	81, 373 23, 147 5, 806 38, 679 4, 985 6, 119 2, 637	83, 232 23, 707 5, 975 39, 492 5, 131 6, 224 2, 703	85, 503 24, 349 6, 141 40, 548 5, 275 6, 427 2, 764	87,519 24,880 6,298 41,486 5,459 6,526 2,869	89, 557 25, 510 6, 425 42, 383 5, 617 6, 690 2, 932
Mideast Delaware District of Columbia Maryland New Jersey New York Pennsylvania	4,078 5,861	294, 281 4, 244 5, 982 28, 844 52, 668 126, 682 75, 860	300, 842 4, 257 6, 107 29, 326 53, 771 129, 804 77, 577	306, 782 4, 395 6, 326 30, 185 54, 921 131, 846 79, 110	313, 510 4, 329 6, 367 30, 678 56, 412 135, 057 80, 667	321, 228 4, 452 6, 481 31, 513 58, 053 137, 467 83, 262	328, 167 4, 571 6, 600 32, 145 59, 342 140, 270 85, 239
Great Lakes Illinois Indiana Michigan Ohio Wisconsin	268, 606	275, 699	280, 865	287, 135	295, 946	307, 404	312, 892
	81, 124	82, 665	84, 275	85, 774	88, 288	91, 470	93, 070
	31, 949	33, 111	33, 436	34, 203	35, 356	36, 769	37, 239
	60, 716	63, 240	64, 271	66, 483	68, 477	71, 147	72, 599
	66, 535	68, 111	69, 576	70, 813	72, 981	76, 040	77, 309
	28, 282	28, 572	29, 307	29, 862	30, 844	31, 979	32, 676
Piains Iowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota	99, 670	103, 102	103, 739	105, 577	109, 372	112,176	114, 115
	17, 750	18, 616	18, 854	18, 693	19, 706	20,164	20, 275
	14, 656	15, 003	14, 967	15, 386	15, 998	16,372	16, 668
	23, 458	24, 325	24, 625	25, 166	25, 977	26,685	27, 147
	27, 782	28, 519	28, 896	29, 574	30, 410	31,322	32, 120
	9, 373	9, 828	9, 673	9, 889	10, 185	10,431	10, 578
	3, 429	3, 526	3, 433	3, 506	3, 604	3,675	3, 706
	3, 223	3, 285	3, 291	3, 362	3, 493	3,527	3, 622
Southeast Alabama. Arkansas Florida. Georgia Kentucky Louisiana Mississippi North Carolina South Carolina Tennessee Virginia West Virginia	259, 376	264, 744	268, 573	275, 548	285, 390	293, 217	299, 356
	18, 216	18, 518	18, 712	19, 396	20, 080	20, 631	21, 100
	10, 572	10, 734	10, 644	10, 850	11, 454	11, 891	12, 040
	50, 061	50, 767	51, 551	53, 358	54, 777	56, 046	57, 361
	26, 862	27, 509	27, 790	28, 602	29, 458	30, 224	30, 818
	17, 976	18, 436	18, 832	19, 109	20, 003	20, 761	21, 022
	20, 128	20, 816	20, 546	21, 266	22, 227	22, 868	23, 111
	10, 470	10, 824	10, 724	11, 064	11, 611	11, 918	12, 157
	28, 553	29, 309	30, 169	30, 295	31, 900	32, 650	33, 545
	14, 136	14, 380	14, 782	15, 099	15, 530	15, 978	16, 302
	22, 243	22, 703	23, 048	23, 582	24, 413	25, 095	25, 660
	30, 548	31, 155	31, 858	32, 761	33, 543	34, 373	35, 276
	9, 611	9, 594	9, 917	10, 165	10, 394	10, 782	10, 963
Southwest. Arizona. New Mexico. Oklahoma. Texas.	109, 299	111,817	113, 380	117, 112	120, 129	123, 178	126, 472
	12, 810	12,977	13, 273	13, 771	14, 173	14, 419	14, 707
	5, 899	6,014	6, 104	6, 338	6, 495	6, 674	6, 849
	15, 194	15,411	15, 690	16, 303	16, 717	17, 234	17, 746
	75, 396	77,415	78, 313	80, 701	82, 744	84, 851	87, 171
Rocky Mountain Colorado. Idaho. Montana Utah Wyoming.	34, 183	34, 429	35, 415	36, 469	37, 704	38, 626	39, 376
	16, 299	16, 635	16, 868	17, 387	17, 886	18, 347	18, 682
	4, 721	4, 363	4, 999	4, 941	5, 216	5, 317	5, 363
	4, 159	4, 207	4, 132	4, 363	4, 518	4, 648	4, 699
	6, 452	6, 636	6, 795	7, 041	7, 243	7, 376	7, 598
	2, 553	2, 589	2, 620	2, 737	2, 841	2, 938	3, 035
Far West. California. Nevada. Oregon. Washington	191, 571	195, 299	198, 676	205, 854	212, 255	217, 038	223, 013
	149, 245	152, 160	154, 868	160, 421	165, 046	169, 066	173, 862
	4, 295	4, 388	4, 518	4, 699	4, 909	5, 027	5, 192
	14, 288	14, 539	14, 781	15, 367	15, 968	16, 151	16, 468
	23, 743	24, 312	24, 509	25, 367	26, 332	26, 794	27, 491
Alaska	3, 661	3, 928	3, 965	3, 999	3, 994	3, 9 3 9	3,888
Hawaii	6, 021	6, 019	6, 099	6, 265	6, 454	6, 576	6,685
			C	ensus regions	3		
Addenda: New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	78, 300	79, 241	81, 373	83, 232	85, 503	87, 519	89, 557
	251, 454	255, 210	261, 152	265, 876	272, 137	278, 783	284, 851
	268, 606	275, 699	280, 865	287, 135	295, 946	307, 404	312, 892
	99, 670	103, 102	103, 739	105, 577	109, 372	112, 176	114, 115
	197, 998	201, 783	205, 758	211, 187	216, 976	222, 498	227, 582
	68, 905	70, 482	71, 315	73, 151	76, 107	78, 406	79, 939
	121, 289	124, 376	125, 193	129, 120	133, 142	136, 844	140, 068
	57, 188	57, 808	59, 310	61, 277	63, 281	64, 747	66, 123
	196, 958	200, 858	204, 222	211, 420	217, 794	222, 525	228, 395

Note.—The quarterly State income series have not yet been revised to reflect the benchmark revisions of the annual State series published in the August 1977 Survey. The revised quarterly series (1958-77) will be available in early summer.

The quarterly estimates of State personal income were prepared by Robert L. Brown and Robert Lipovsky with the aid of Frances B. Actie and Q. Francis Dallavalle under the supervision of Kenneth P. Berkman.

^{1.} The range of the rate of increase in nonfarm income has been wider in recession than in expansion in the other postwar business cycles as well. See "Sensitivity of State and Regional Income to National Business Cycles," Survey of Current Business, April 1973.

Effects of Selected Changes in the Institutional and Human Environment Upon Output Per Unit of Input

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Summary

IN the last decade, the institutional and human environment within which business must operate has changed in several ways that adversely affect output per unit of input. This article examines the effects of three such changes: (1) New requirements to protect the physical environment against pollution; (2) increased requirements to protect the safety and health of employed persons; (3) a rise in dishonesty and crime. The common characteristic of these changes is that they have reduced the measured output that is produced by any given amount of input. By "measured" output, I mean national income or net national product as defined by the Bureau of Economic

By 1975, the last year for which this article provides estimates, output per unit of input in the nonresidential business sector of the economy was 1.8 percent smaller than it would have been if business had operated under 1967 conditions. Of this amount, 1.0 percent is ascribable to pollution abatement and 0.4 percent each to employee safety and health programs and to the the increase in dishonesty and crime. The reductions had been small in 1968-70 but were rising rapidly in the 1970's. The increase in their size cut the annual change in output per unit (See footnotes at end of article)

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of input from 1972 to 1973 by 0.2 percentage points, the change from 1973 to 1974 by 0.4 percentage points, and the change from 1974 to 1975 by 0.5 percentage points.

A reduction of 0.5 percentage points in the annual growth rate, the reduction reached by 1975, is equal to a large fraction of the growth rates that have been achieved in the past. For example, it is equal to nearly one-fourth of the annual growth rate of output per unit of input from 1948 to 1969 (2.1 percent) and nearly one-fifth of the growth rate of output per person employed during that timespan (2.6 percent). The fractions are even larger if comparisons are made with more recent growth rates, which are lower for other reasons besides the impact of pollution abate-

ment, employee safety programs, and crime

The purpose of this article is to aid analysis of growth and productivity; it is not to judge the wisdom of government programs, which have benefits as well as costs. It must also be stressed that, as the article explains, many of the costs occasioned by pollution abatement, employee safety and health programs, and dishonesty and crime do not reduce output per unit of input and therefore are not included in cost estimates cited. In particular, costs imposed directly upon governmental units and consumers do not have this effect. A major part of the estimating process was the division of costs between those that change output per unit of input and those that do not.

Part 1: Introduction

This article presents estimates of the effect upon output per unit of input in the nonresidential business sector of three changes in the institutional and human environment within which business operates. It is part of a comprehensive study of the sources of economic growth. That broader study will revise and update series developed in my previous publication, Accounting for United States Economic Growth 1929-1969 (hereafter cited as Accounting). I begin with a short explanation of how this article fits into the broader framework.

The size of any nation's output is governed by many determinants. They include the number, composition, and skills of persons engaged in production, and the capital and land that workers use—that is to say, all of the "inputs" used in production. They also include the existing state of knowledge as to how to produce at low cost, the size of markets served, the efficiency with which resources are allocated among uses, and many other conditions that may affect the amount of output that is obtained from a given amount of input.

In Accounting, the growth rate of output in nonresidential business was

divided between changes in input and changes in output per unit of input. Changes in output per unit of input were then allocated among seven determinants, or groups of determinants.2 Examples are changes in the extent to which labor was overallocated to agriculture, and economies of scale made possible by the growth of markets. For each determinant, an index was computed that measured the course that output per unit of input would have taken if nothing had changed except that determinant. Six indexes were estimated directly; the seventh index, labeled "advances in knowledge and all other determinants," was obtained by dividing the index of output per unit of input by the first six indexes. Consequently, the seventh index captures the effects of all output determinants that were not separately estimated; it may be described as the residual in the analysis of the sources of growth. It had a growth rate of 1.4 percent a year from 1948 to 1969 and rose at a fairly steady rate during this period.

This residual index was defined as a measure of the joint effects of the incorporation of knowledge into production and of changes in a variety of miscellaneous determinants. In Accounting, I expressed a tentative judgment (which still seems correct) that in the period covered changes in miscellaneous determinants had only a small net effect on the residual index, so that its growth rate provided an approximation to the contribution that the incorporation of knowledge into production had made to the growth rate of output. But I continued as follows:

"Let me stress that this judgment does not necessarily extend to the period since 1969 or the years immediately ahead. Several changes that do or may affect measured productivity adversely (which is not a criterion by which to assess their desirability) are now taking place, simultaneously and over a brief timespan. Most prominent are major and far-reaching controls for environmental protection which require firms to use labor and capital for protection of the environment that could otherwise be used to provide measured output. The cost of the required measures is higher in the short run than it is likely to be in the long run because of the need to develop appropriate new technology and different sources of supply; because of immobility; and because delays in securing approval for new plants threaten to cause shortages of some products, especially fuels and power, that are used by other firms.

"Major new legislation to promote employee and consumer safety is a second source of increased costs. A third source has been a rise in the incidence of crime, particularly holdups of business establishments, thefts of their merchandise (including shoplifting), and embezzlement. Wage and price controls—introduced in 1971, relaxed in 1972, and subsequently reimposed and again liberalized—are a possible fourth source. If long continued they may raise overhead costs, distort resource allocation, and introduce uneconomic labor turnover." 3

To interpret the recent behavior of the residual, or indeed of any productivity measure, one needs estimates of the amount by which it has been affected by such changes. Estimates are provided here for three that seemed especially likely to be important. One is the imposition of government controls to protect and improve the physical environment. The second is the controls to protect the safety and health of workers. The third is the increase in dishonesty and crime among employees, customers, and the public. The effects of other changes in the

environment within which business must operate are not examined here.⁵

The series reported for the effects of the three changes upon productivity rest on less adequate information than one would like, and are by no means precise. Nevertheless, they are believed sufficient to add appreciably to understanding of recent productivity experience.

Part 2: Costs Incurred To Protect the Physical Environment

Legislation relating to pollution passed prior to the mid-1960's—the Water Pollution Control Act of 1948. with amendments in 1956; the Air Pollution Control Act of 1955; and the Clean Air Act of 1963—expressed governmental concern about pollution but did not importantly affect business costs. Subsequent legislation did. At the Federal level, this legislation included the Water Quality Act of 1965 and the 1972 Water Pollution Act Amendments, the Motor Vehicle Air Pollution Control Act of 1965, the Air Quality Act of 1967, the Clean Air Amendments of 1970, numerous amendments to these basic air and water pollution laws, and provisions affecting other types of pollution. State and local governments have also introduced new laws and regulations and more vigorous enforcement of existing provisions. The effect of the new environmental controls was not immediate and their impact upon business costs and productivity can be ignored through 1967. I attempt annual estimates beginning with 1968; they are meant to cover controls imposed by all levels government.

A General Explanation of the Estimating Procedure

Some of the expenditures made to protect the environment reduce measured output per unit of input. The reason is that the labor and capital whose services they purchase provide no measured output whereas they would have done so if not diverted to environmental protection. Measured output refers to products that are counted as final products in the national income and product accounts (NIPA's). My objective is to calculate the effect of changes in environmental expenditures upon an index of output per unit of input. To do this for any period, one must know the percentages by which environmental expenditures reduced measured output per unit of input at both the beginning and end of the period, or at least the amount by which the percentage changed during the period. This section provides a general explanation of the estimating procedure. It is followed by a detailed description of sources and methods, and the actual estimates.

The proportion of inputs diverted from production of measured output

The estimates rely on the presumption, common in economic analysis, that if purchases of any commodity represent a certain percentage of the value of the Nation's output, then the percentage of the Nation's total factor input that is used to produce that commodity is about the same. Consequently, percentage distributions of output and input are similar. In this formulation total factor input refers to a combined measure of labor, capital, and land. To calculate total factor input, these three factors of production, and the various types of each factor, are combined by using their earnings as weights.

The percentage distribution of total factor input corresponds to the percentage distribution of output more closely if output is valued at factor cost—that is to say, as the sum of the earnings, including profit, of labor and property—than if it is valued at market prices, which also include indirect business taxes. When measured net of depreciation, the factor cost measure is called national income (NI) and the market price measure, net national product (NNP).

Measured output per unit of total factor input (henceforth, simply "input") is reduced if there is an increase in the proportion of input that is used in activities that do not contribute to the production of products counted as final products. This occurs when certain types of purchases for pollution abatement and control (PAC) increase relative to purchases of goods and services that are counted as final products.

Because only certain types of expenditures for PAC divert input from production of measured output, and thus reduce output per unit of input, environmental expenditures must be divided between those that have this effect and those that do not.

When the costs of environmental protection are borne by government or by consumers, diversion of expenditures and inputs to environmental protection does not reduce measured output per unit of input. This is so because purchases of goods and services for environmental protection by government and consumers, like all their other purchases, are counted as final products. Consequently, such purchases merely replace other final products that could have been produced by the inputs absorbed by environmental protection.

In contrast, costs of environmental protection that are incurred by business on current account, whether for purchases from other enterprises or for the direct hiring of labor, are not counted as purchases of final products. Because they absorb inputs that would otherwise be used to produce final products, the diversion of inputs to environmental protection lowers output per unit of input below what it would have been in the absence of the diversion. The

dollar cost of the environmental expenditures, when expressed as a percentage of measured output plus these expenditures themselves, measures both the percentage of input diverted to unmeasured production and the percentage reduction in measured output per unit of input that they cause.

Capital goods acquired by business for pollution abatement are counted as final products when they are purchased, so their production in place of other final products does not immediately reduce measured output per unit of input. What does reduce measured output per unit of input is the use of part of the stock of capital for pollution abatement, because the proportion of the stock of capital goods present at any date that business devotes to pollution abatement is not available to produce products that are counted as final. Given the total stock of capital, measured output is reduced by the value of the services that this capital would have provided if used to produce final products.

This value is measured as the sum of depreciation on pollution abatement capital and an imputed net return on this capital. It represents the opportunity cost of using capital for pollution abatement. Depreciation is calculated directly for pollution abatement capital, using a formula (the straightline method), service lives, and procedures as consistent as practical with those used in the NIPA's. The imputed net return, which I call the net opportunity cost of using capital for pollution abatement, is calculated as the product of the net stock of pollution abatement capital and the ratio of earnings net of depreciation to the net capital stock that is observed for capital in general.

The business sector in the NIPA's can be divided between the services of dwellings and nonresidential business. This article is confined to nonresidential business so environmental expenditures associated with dwellings, chiefly for trash collection and sewage disposal, must be omitted from the aggregate used.

I now summarize the discussion to this point. PAC costs incurred by government and consumers, and PAC costs arising from the use of dwellings, must be omitted in appraising the effect of programs for environmental protection on output per unit of input in nonresidential business; only PAC costs incurred by nonresidential business enterprises need to be considered. Viewed from the standpoint of a pollutionabating enterprise, PAC costs are the cost of the labor it hires directly for PAC, depreciation on the capital it uses for PAC and the net opportunity cost of this capital, and payments to other firms for materials and services that are purchased for PAC (which represent returns to the labor and capital used by such suppliers).6 Summed for all enterprises, these PAC costs provide an estimate of the amount by which the value of measured output is reduced by outlays for environmental protection.

Classification of costs between government and consumers, on the one hand, and business, on the other, usually is clearcut and can be based on who makes the expenditure in the first instance. But this is not necessarily so in exceptional cases when, as the result of the initial business expenditure, there is a recognizable change in a final product. Pollution abatement devices installed in motor vehicles (autos and trucks) are the outstanding example. Such devices add to the unit values of motor vehicles but they do not raise motor vehicle prices as measured by the Bureau of Labor Statistics (BLS) and the Bureau of Economic Analysis (BEA). This is so because these agencies consider that the difference in unit value between vehicles with and without these devices represents a difference in real product rather than in price. The outcome is the same as if purchasers bought the pollution abatement devices separately from vehicles. Consequently, the devices on vehicles bought by consumers and government must be classified in the category of PAC purchases by these groups (and omitted from expenditures that reduce output per unit of input) while devices on vehicles bought by business must be classified as capital outlay for pollution abatement equipment by business (and included in the stock of pollution abatement capital against which depreciation and net opportunity cost are charged).

Use of incremental costs

Business incurred costs for disposal of sewage and solid wastes and to limit air, water, and other forms of pollution before 1967 and would have continued to do so in the absence of new environmental controls. Consequently, the total cost of pollution abatement must be distinguished from the incremental cost.

Total cost, as I shall use the term, refers to the concept that BEA uses when it provides estimates of national expenditures for PAC. It is, in brief, the difference between costs with techniques actually used and costs that would be incurred with the minimum cost method that business would choose if it were indifferent to pollution.⁷

By incremental cost, I mean the excess of total cost over a baseline cost that may be defined either as (1) the cost that would have been incurred in the absence of an increase in the stringency of environmental requirements since 1967, or (2) the cost that would have been incurred if the 1967 level of abatement costs had continued unchanged after allowance for growth and price level changes. These two alternative definitions, it may be noted, are not precisely synonymous, but data are not sufficiently refined to permit any distinction between them to be drawn in practice.

To obtain the effect of increased pollution controls upon an index of output per unit of input, one must know incremental costs. In this article, these are sometimes calculated by measuring directly the incremental costs that were occasioned by changes in requirements and sometimes by estimating both total costs and baseline costs and subtracting to obtain incremental costs.

Numerical illustration of effects on output per unit of input

Use of the incremental cost estimates will now be illustrated with some hypothetical numbers. As a preliminary, I note that—as in the broader study of which this is a part—output is measured by NI, which is the same as net national product valued at factor cost. Use of NI rather than some other output measure, such as gross or net national product at market price, in-

fluences my procedures to a minor degree.

Suppose now that incremental costs incurred for environmental protection of types that must be counted, which were zero by definition in 1967, reached \$3 billion in 1972 and \$10 billion in 1975. Suppose also that measured NI originating in nonresidential business was \$597 billion in 1972 and \$990 billion in 1975. In the absence of a diversion of resources to environmental protection, the sector's measured NI would have been the sum of these amounts, \$600 billion in 1972 and \$1,000 billion in 1975. Therefore, the change in environmental protection conditions after 1967 reduced output per unit of input in nonresidential business 0.5 percent in 1972 and 1.0 percent in 1975. The same statement can be made about total output in the sector only if the change in provision for environmental protection did not change the amount of total input.8 But such a qualification is not needed when the percentages are used, as I do use them, to measure effects on output per unit of input, because an induced change in total input would change total output rather than output per unit of input.9

Since output is valued at factor cost, costs of environmental protection must also be valued at factor cost if the percentages are to be correct. If, instead, environmental costs are valued at market price, which is normally higher, the percentages will be too high unless NNP is substituted for NI when the percentages are computed.

The percentages should be based on data in current (as distinguished from constant) prices, as is usually the case in resource-allocation calculations. The reason is that relative prices of products each year should reflect the relative quantities of inputs required for their production in the same year, not in some earlier or later year.

Subtraction of the illustrative percentages from 100 percent provides an index that is similar in form and meaning to those I derived for components of output per unit of input in *Accounting*. With 1967=100, its value is 99.5 in 1972 and 99.0 in 1975. Its meaning is that measured output per unit of input

would have been equal to these percentages of its 1967 amount if nothing had changed except provision for environmental protection. The growth rate of the index—minus 0.13 percent in 1967–75—provides the amount in percentage points by which provision for environmental protection reduced the growth rate of output per unit of input.

The index for effects of environmental costs on output per unit of input would be approximately the same whether output is measured by NI or NNP. However, if gross national product were used, the decline in the index would be reduced—in practice by about one-tenth. The appropriate dollar figure for the incremental cost of environmental protection is the same whether it is related to net or gross product. But the value of gross product is larger, by an average of 11 percent in nonresidential business in the 1972-75 period. If this were also true in the illustrative example, gross product would have been \$663 billion in 1972 and \$1.099 billion in 1975. The percentage reductions would have been $0.45 \quad (3/663+3) \quad \text{in} \quad 1972 \quad \text{and} \quad 0.9$ (10/1,099+10) in 1975.

Derivation of Cost Estimates

My series for the incremental cost of pollution abatement to nonresidential business is the sum of 10 component series, less the value of materials and fuel reclaimed as a result of the incremental outlays for pollution abatement. Table 1 shows these components and total incremental cost, which rose from zero in 1967 to \$9,549 million in 1975. The estimates for each year are expressed in current prices of that year. The series had to be pieced together from various sources. Some guessing was also required. A general review of sources will be followed by a line-byline description of the series.

The most important source of information is the Abatement and Control Expenditures Branch (ACEB) of the Environmental and Nonmarket Economics Division, BEA. Two articles in the Survey of Current Business report 1973, 1974, and 1975 plant and equipment expenditures by U.S. business for the abatement of air, water,

and (except for 1973) solid waste pollution abatement; a third provides detailed estimates of national expenditures for PAC in 1972, 1973, and 1974.10 These figures refer to total rather than incremental expenditures. ACEB also provided unpublished detail and, very importantly, annual series for the net stock of pollution abatement structures and equipment that it prepared for this study by use of the perpetual inventory method. Depreciation estimates consistent with these capital stock estimates were also prepared and made available, and I have used them in preference to lower estimates, published in the February 1977 Survey, that were secured by adjusting estimates valued at historical cost so as to reflect current prices. ACEB furnished additional estimates, which are described below, and advice on the use of its information.

Annual reports of the Council on Environmental Quality (CEQ) contain estimates of total and incremental pollution control expenditures; however, each report contains estimates for only a single year. Because procedures are constantly changed and underlying data revised, estimates for most components are not comparable from year to year and time series cannot be obtained. Nevertheless, estimates for 1974 and 1975 were used as checks on estimates for some components of business costs and, occasionally, other use was made of the data.

BLS reports annually the value of changes in automobiles that result from environmental regulations (as well as from safety regulations and other causes).

The Bureau of the Census, U.S. Department of Commerce, has collected and published a variety of data for the pollution abatement costs and expenditures of manufacturing establishments in 1973, 1974, and 1975.¹¹

I now turn to the line-by-line description of the estimates in table 1. The reader will follow the description more readily if he appreciates that, both in table 1 and in the BEA estimates of national expenditures for PAC, costs are classified from the standpoint of the enterprise whose pollution is being abated.

1. Current costs: motor vehicle emission abatement

The cost of additional maintenance and gasoline consumption that was incurred on business-owned motor vehicles as a result of environmental requirements in 1972–74 is taken directly from the Survey, February 1977, p. 15, table 2. Incremental cost and total cost, as the latter is defined and measured by BEA, are synonymous for this component. Nearly all of the cost was incurred on automobiles, as distinguished from trucks.

The 1972 estimate was extrapolated back to 1968, and the 1974 estimate forward to 1975, by a preliminary series that was constructed in the following way. (a) Annual pollution abatement costs in the form of additional gasoline (the "fuel penalty") and additional maintenance, valued in 1974 dollars, in 1968-74 were obtained for all automobiles from CEO's 6th Annual Report. December 1975, figure 8, p. 525.12 The percentage increase from 1974 to 1975 was calculated from the series for projected costs attributable to light-duty vehicle emission controls (total costs less equipment costs) shown in Environmental Protection Agency (EPA), The Cost of Clean Air, April 1974, table III-10, p. III-22. (b) To secure business expenditures in constant prices, each year's estimate for all automo-

Table 2.—Incremental Pollution Abatement Capital of Nonresidential Business,
Average for Year

[Billions of dollars]

	1967	1968	1969	1970	1971	1972	1973	1974	1975
Motor vehicle emission abatement ¹		0.0 .5 .0	0.1 1.3	0.1 3.1	0. 2 5. 4	0.3 8.1	0.4 11.9	0.7 18.2	1.0 26.0
Total incremental net stock		.5		3, 2	5.7	8,6	12, 6	.5 19.4	27.6
Addendum: Total net stock, air and water pollution abatement except motor vehicle emissions	5, 0	6, 0	7. 2	9, 2	11. 9	15. 3	19.8	26, 6	35. 0

^{1.} Business vehicles only.

biles, obtained in (a), was multiplied by the ratio of the new automobile component of producers' durable equipment to the sum of this series and the new automobile components of personal consumption expenditures and government purchases. Data are from NIPA table 1.17. Each year's allocation was based on the value, in 1972 prices, of car purchases during the preceding 5 years, excluding years before 1967. (c) A price index with 1972=100 was constructed by combining the implicit price deflators (1972=100) for personal consumption expenditures for gasoline and oil (weighted 5) and for useroperated services transportation (weighted 3) from NIPA table 7.12. The weights were based on relative expenditures for the fuel penalty and for additional maintenance in 1972, as

shown in the CEQ figure 8 cited in (a). (d) The constant-price series was multiplied by this price index to secure the series for business costs in current prices that was used to extrapolate the 1972–74 BEA data.

2. Current costs: air and water pollution abatement except motor vehicle emissions

Total nonresidential business expenditures on current account for air and water pollution abatement, other than motor vehicle emission abatement. in 1972-74 were obtained from the Survey, February 1977, p. 15, table 2, by combining eight series: expenditures for air pollution abatement by private manufacturing establishments, vately owned electric utility establishments, other private nonmanufacturing establishments, and publicly owned electric utilities, and expenditures for water pollution abatement by the same four groups. This is the series that is conceptually desired except that it is for total rather than incremental expenditures.13

In the absence of similar data for other years, 1972 current expenditures were extrapolated back to 1967, and the 1974 figure forward to 1975, by a series for the stock of capital for air and water pollution abatement; it seemed reasonable to suppose that the two series would rise in a fairly similar pattern, and they actually did so from 1972 to 1974.14 The capital stock series has the same industrial coverage as the series for current expenditures except that, for lack of data, it excludes outlays by publicly owned electric utilities. (Such utilities account for only 2 percent of current expenditures.) The

Table 1.—Incremental Pollution Abatement Costs That Reduce National Income Per Unit of Input in Nonresidential Business

	[Millions of dollars]									
	1967	1968	1969	1970	1971	1972	1973	1974	1975	
Current costs: 1. Motor vehicle emission abatement 1. 2. Air and water pollution abatement except motor vehicle emissions.	0	86 71	180 180	257 431	396 742	558 1, 115	867 1, 521	1, 409 2, 221	1, 831 3, 217	
a) Direct labor cost	0 0	24 47	61 119	147 284	252 490	379 736	517 1,004	686 1, 535	933 2, 284	
Payments to use public sewer systems Solid waste disposal	0	20 26	40 56	60 87	100 127	139 167	179 225	218 289	242 362	
Depreciation: 5. Motor vehicle emission abatement 1 6. Air and water pollution abatement except motor vehicle emissions. 7. Solid waste disposal	0 0 0	3 17 1	10 50 2	19 116 5	31 198 9	48 295 14	72 426 24	111 660 37	174 976 53	
Net opportunity cost of invested capital: 8. Motor vehicle emission abatement 1 9. Air and water pollution abatement except motor vehicle emissions. 10. Solid waste disposal	0	3 56	10 144 3	17 341 7	28 589 13	42 883 23	60 1, 285 33	89 1, 947 51	136 2, 756 68	
Less: 11. Value of materials and energy reclaimed. Total incremental cost	0	8 276	17 658	27 1, 313	48 2, 185	74 3, 210	93 4, 599	136 6,896	266 9, 54 9	

^{1.} Business vehicles only.

capital stock series (which is unofficial and was prepared by ACEB) measures net stock in current prices as of July 1. It is shown in the addendum line of table 2.

The baseline value of current expenditures for air and water pollution abatement, like the baseline value of most other types of pollution abatement costs, was calculated on the assumption that expenditures would have moved like output in nonfarm nonresidential business in the absence of changes in environmental requirements. output is excluded because the expenditures exclude those made in farming-which were, in any case, small.) Consequently, to obtain an annual series for baseline current expenditures, the figure of \$687 million, which had been obtained for actual expenditures in 1967, was extrapolated to all later years by NNP originating in nonfarm nonresidential business. Baseline current expenditures were then deducted from total current expenditures to secure incremental expenditures.

My estimates for 1974 and 1975 can be compared with CEQ estimates. With values expressed in billions of dollars, the comparison is as follows.¹⁵

	Total cost	Baseline cost	Incre- mental cost
1974: DenisonCEQ	3. 4	1. 2	2. 2
	3. 0	1. 3	1. 7
1975: DenisonCEQ	4. 4	1. 2	3. 2
	5. 6	2. 1	3. 5

In 1974, the two estimates of baseline cost are fairly similar while the estimates of incremental cost diverge, whereas in 1975, the opposite is the case. Such different results for the 2 years are possible because CEQ's estimates for 1974 are not comparable with its estimates for 1975.

For subsequent calculations, it is desirable to divide the series for incremental expenditures between direct labor costs and other current costs. The Census Bureau reports already cited provide such data for total environmental expenditures by manufacturing establishments: labor costs were 34.0 percent of the total in 1973, 30.9 percent in 1974, and 29.0 percent in

1975. Lines 2a and 2b of table 1 were calculated on the assumption that direct labor cost constituted the same percentage of the incremental cost in all industries combined as it did of the total cost in manufacturing. The 1973 percentage was used for earlier years.

3. Current costs: payments to use public sewer systems

Payments to use public sewer systems are not counted in water pollution expenditures of private business in line 2 of table 1, so there is no duplication between lines 2 and 3. The incremental cost to be counted in line 3 is not large, however, even though public sewer systems are in the business sector (they are classified as government enterprises) and their current expenditures are large (\$1.6 billion in 1974 according to the February 1977 Survey, p. 15, table 1). Most costs of public sewer systems are excluded from incremental cost, both because they are allocated to dwellings rather than nonresidential business and because they cover ordinary sewage disposal and treatment no different from practices already customarv in 1967.

There were no new Federal controls in the period covered by this study. The cost that is to be counted arises in part because new local environmental regulations sometimes required secondary and tertiary treatment of sewage from nonresidential business firms, which entailed higher charges to the firms, and in part because the raising of standards for primary treatment itself increased charges to nonresidential business along with other users.

Manufacturers paid \$178 million in 1973, \$203 million in 1974, and \$228 million in 1975 to governmental units (all levels) for "public sewage use," according to the Bureau of the Census.16 ACEB analysts suggested that twothirds of the 1973 outlay may have been attributable to new environmental requirements. Thus, the 1973 payments of \$178 million divide into \$59 million of baseline cost and \$119 million of incremental cost. The 1973 baseline cost was extrapolated to 1974 and 1975 by NNP originating in nonfarm nonresidential business; the resulting series was then subtracted from total payments to secure incremental costs for manufacturers in 1974 and 1975. To allow for nonmanufacturing industries, for which not even figures for total payments are available, the incremental cost for manufacturers was raised one-half.

No usable data for years before 1973 were located. Incremental cost was set at zero in 1967, and the intervening years were estimated on the assumption that the absolute annual increase from 1970 to 1973 was double that from 1967 to 1970.

4. Current costs: solid waste disposal

Trash collection and disposition, and other solid waste disposal, may be performed by governments or privately. Unlike sewerage, solid waste disposal by governments is not considered a government enterprise in the NIPA's (see NIPA tables 3.13 and 3.14) but, instead, an activity of government. As a result, government purchases for solid waste disposal are final products. Consequently, diversion of resources to solid waste disposal by government does not reduce measured output, and costs incurred by government must not be counted in table 1not even when governments impose a charge for their services. BEA and CEQ use classifications to report environmental statistics that distinguish government from private solid waste disposal so government expenditures are readily omitted.

BEA provided unpublished estimates of the nonresidential portion of the series for total private current expenditures for solid waste disposal that is shown for 1972–74 in the February 1977 Survey, p. 15, table 1. BEA also divided the nonresidential expenditures among manufacturing (\$476 million in 1974), commercial nonmanufacturing (consisting of retail trade, finance, and services, and amounting to \$974 million in 1974), and other nonmanufacturing (\$932 million in 1974). The commercial nonmanufacturing series was provided for 1970–71 as well as for 1972–74.

Of the three components, only the manufacturing series rose appreciably faster during the period for which it was available than did nonfarm nonresidential business NNP. The absence of a sharp increase in the other components suggests that the incremental cost of pollution abatement was not a large part of total cost except in manufacturing. ACEB analysts suggested that it would be reasonable to assume that about 14 percent of the total 1975 private cost was incremental cost in nonresidential business as a whole, and about 30 percent in manufacturing. These percentages, which implied about 10.1 percent for nonmanufacturing industries, were incorporated into the estimates.

The exact procedure for securing the series for incremental cost shown in table 1, line 4, will now be described. It is the sum of series for manufacturing and nonmanufacturing.

The 1972-74 series for total expenditures by manufacturers was first extended to 1975 on the assumption that the ratio of such expenditures to nonfarm nonresidential business NNP increased the same amount in 1975 as in 1974. The 1975 incremental cost in manufacturing was taken as 30 percent of total cost (or \$157 million). The percentage was assumed to have increased a constant 3.75 points a year, from zero in 1967. These data and assumptions yielded 1972-75 estimates of incremental cost. To secure estimates for 1968-71, when total manufacturing costs were not available, the ratio of incremental cost to nonresidential business NNP was assumed to have increased the same amount each year from 1968 to 1972.

To complete a 1967-75 series for total expenditures by nonmanufacturing industries, the 1972-74 estimates were extrapolated back to 1970 by the "commercial" component. The resulting 1970 figure was extrapolated back to 1967, and the 1974 figure to 1975, by NNP originating in nonfarm nonresidential business. (It may be noted that the percentage change from 1973 to 1974 was the same in the two series.) Incremental expenditures of all nonresidential business in 1975, computed as already stated at 14 percent of total expenditures, came to \$362 million. 17 Subtraction of the estimate of \$157 million for manufacturing left \$205 million as the incremental cost in nonmanufacturing industries, equal as already stated to 10.1 percent of the total cost in these industries. To secure incremental costs in earlier years, this percentage was estimated to have increased linearly from zero in 1967.

5. Depreciation: motor vehicle emission abatement

See description of line 8.

6. Depreciation: air and water pollution abatement except motor vehicle emissions

Estimates of total depreciation in current prices for the years 1967-74 were provided by ACEB. ACEB derived them as part of the calculations to obtain the estimates of capital stock provided for this study. The estimates rise from \$223 million in 1967 (\$173 million in manufacturing and \$50 million in nonmanufacturing, including electric utilities) to \$1,036 million in 1974 (\$721 million in manufacturing and \$315 million in nonmanufacturing).18 A preliminary estimate was made for 1975 on the basis of the previous pattern of increase in constantprice depreciation and the rise in the BEA implicit price deflator for fixed nonresidential investment (NIPA table 7.1).

Baseline depreciation was estimated by extrapolating 1967 depreciation by NNP of nonfarm nonresidential business. Incremental depreciation is equal to total depreciation minus baseline depreciation.

7. Depreciation: solid waste disposal

See description of line 10.

8. Net opportunity cost of invested capital: motor vehicle emission abatement

This line and line 5 (depreciation), which is also described here, are the sum of series for automobiles and trucks. The automobile component is the larger by far.

Automobiles.—Series for gross and net capital stock and depreciation were compiled in the following steps.

(a) The dollar increase in average retail value of automobiles that resulted from pollution abatement devices that were added in each model year was assembled from BLS releases titled

- "Report on Quality Changes for (year) Model Passenger Cars." There were increases in every model year from 1968 through 1977, except in 1969; much the biggest increase was in 1975.
- (b) The series was converted to a calendar-year basis on the assumption that each model year's addition applied to one-fourth of the previous calendar year's cars.
- (c) The calendar-year series was converted to 1967 prices by deflating the current-price series by the BLS Consumer Price Index for new cars. The constant-price series was then cumulated to secure the increment to the price per car due to additions to pollution control costs since 1967, valued in 1967 prices. The cumulated increments were then multiplied by the passenger car price index to place them in current prices.
- (d) Average prices of new cars in current dollars were obtained from annual issues of Automobile Facts and Figures (published by the Motor Vehicle Manufacturers Association of the United States, Inc. [MVMA], Detroit).¹⁹
- (e) The ratio of the cumulated incremental pollution abatement cost per car (computed in step c) to the price per car (described in step d) was computed for each year.
- (f) This ratio (which reached 5 percent in 1975) was multiplied by the "new autos" component of BEA's series for producers' durable equipment in 1972 prices (NIPA table 1.17) to obtain the value in 1972 prices of pollution abatement devices included in new business automobiles.
- (g) The undepreciated value of the pollution abatement devices contained in used automobiles sold by business to consumers (minus devices sold by consumers to business) was subtracted from the value of devices in automobiles newly purchased by business to secure gross capital formation in the form of antipollution devices.²⁰ (All of these data were in 1972 prices.)
- (h) Gross capital stock in 1972 prices was computed from the series for gross capital formation by use of the 10-year average service life for cars used by BEA in computing capital stock and depreciation in the NIPA's.²¹ (The Winfrey distribution was not intro-

duced.) Because the period since capital formation began was less than 10 years, pollution abatement devices in all cars that were not sold remained in the business stock throughout the period. Gross capital stock in 1972 prices at yearend was obtained by cumulating past investment, and a yearly average of the values at the beginning and end of the year was calculated.

- (i) Depreciation in 1972 prices was calculated as 10 percent of this gross stock series. Depreciation was converted to current prices (as shown in table 1, line 5) by use of the BLS price index for new automobiles.
- (j) Net capital stock in 1972 prices at yearend was obtained by deducting the depreciation in 1972 prices accumulated during the previous and current years from yearend gross stock in 1972 prices. Values at the start and end of each year were averaged. This constant-price series was multiplied by the BLS price index for new automobiles, shifted to a 1972 base, to obtain the value of the net stock in current prices. This series represents the incremental net stock.

To secure the opportunity cost of invested capital, the incremental net capital stock was multiplied by an estimate of the ratio of earnings to net stock in alternative uses for capital. For the latter series, I used the ratio of nonlabor earnings in nonfarm corporations to the value of the net stock of capital and land in such corporations. This series is described in *Accounting*, appendix J; revisions in NIPA's and other data entering into its calculation were incorporated.

The actual ratio for nonfarm corporations is strongly affected by the business cycle, and collapsed in 1974–75 after falling sharply earlier in the 1970's. However, I wish to use a series from which the effects of business cycle swings have been removed in order to prevent the adverse effect of pollution abatement costs on output per unit of input from diminishing in recessions because of cyclical drops in the general ratio of earnings to capital stock.

To do this, I substituted trend values for the actual ratios. Two periods from which least squares trends might reasonably be computed are 1947-69 and 1947–73. The former yields trend percentages that decline slowly from 11.6 percent in 1969 to 11.4 percent in 1975. The latter yields percentages that are lower and fall more sharply, from 10.5 percent in 1969 to 9.8 percent in 1975. Use of either period implies that the 1974–75 figures were greatly reduced by recession. For the pollution abatement calculation, I have averaged the values from these two trend lires, securing a cyclically adjusted series that drops from 0.112 in 1967 to 0.111 in 1969 and to 0.106 in 1975.

The ratios of earnings to asset values, actual and cyclically adjusted, from 1967 to 1975 are shown in table 3. The estimate of net opportunity cost is the product of net stock and the cyclically adjusted ratio.

Trucks.—The estimated cost of pollution abatement devices in new trucks purchased by business each year is the sum of estimates for gasoline-fueled trucks with a gross vehicle weight (GVW) of 6,000 pounds or less and those with a GVW of 6,001 pounds or more.²² This division was necessary because these classes were subject to different controls.

(a) The first step was to obtain the number of trucks in each category in each calendar year. The National Income and Wealth Division of BEA provided annual estimates of the number of new trucks purchased by private buyers, divided between consumer and business purchases, with each category divided between trucks of 10,000 pounds or less GVW and heavier trucks. It was necessary to estimate the number of gasoline-fueled trucks purchased by business and their division between trucks of 6,000 pounds or less GVW and heavier trucks.

Private purchases of all trucks of 10,000 pounds or less GVW were allocated between the 6,000 or less and 6,001–10,000 pound classes in proportion to domestic factory sales in these size classes, as reported by MVMA. Business purchases of gasoline-fueled trucks in the 6,000 pounds or less size class were then estimated on two assumptions: (1) the ratio of business purchases to total private purchases was one-third lower in the 0–6,000 pounds size class than in the

6,001-10,000 size class and (2) all trucks in the former class were gasoline fueled. Business purchases of gasoline-fueled trucks of 6,001 pounds or more GVW were then approximated by eliminating from total business purchases of trucks those of 6,000 pounds or less GVW, as well as domestic factory sales of diesel trucks as reported by MVMA.

(b) The next step was to obtain the value in 1967 prices of pollution abatement equipment included in business purchases of new trucks each year. The two size classes were estimated separately.

Trucks in the 0-6,000 pounds size class were subject to the same requirements as automobiles and requirements were met with the same devices.²³ The number of trucks purchased by business was therefore multiplied by the calendar-year cost per automobile, in 1967 prices (see paragraph c under automobiles), to secure capital outlays for pollution abatement devices in 1967 prices.²⁴

Gasoline-fueled trucks of more than 6,000 pounds GVW were subject to less stringent standards than automobiles. EPA put the cumulated cost per truck at \$21.50 in 1970 prices in 1970–73, and at \$45.50 in 1974 prices in 1974–75. These amounts were converted to 1967 prices and multiplied by the number of trucks to obtain total outlays in 1967 prices. I used the cost per vehicle for lighter trucks in the 1968 and 1969 model years; little money is involved in this decision.

(c) Trucks leave the gross capital stock of business by sale to consumers or by retirement. Based on BEA data for business purchases and resales of trucks, I estimated that one-ninth of the pollution abatement devices on trucks acquired by business eventually leave the stock by sale to consumers and eight-ninths by retirement. For purposes of the calculation, one-half those sold were assumed to be 4 years old and one-half 5 years old. All retirements were assumed to be at 9 years, the average service life that BEA uses for trucks in computing its capital stock series. Consequently, the estimate of retirements is zero in the period, which

ends at 1975, that is covered by my estimates.

- (d) The gross stock of pollution abatement equipment in trucks at yearend, valued in 1967 prices, was calculated by cumulating business investment in such devices in new trucks each year and deducting the undepreciated value of those sold. (As stated, there were no retirements in the period covered.)
- (e) Remaining estimation procedures were the same as for automobiles, except that depreciation was computed at one-ninth of gross stock.

Net opportunity cost of invested capital: air and water pollution abatement except motor vehicle emissions

ACEB provided estimates of the net stock of nonresidential business capital acquired for air and water pollution abatement, valued in current prices, annually (as of July 1) from 1967 to 1975. The capital stock estimates have the same coverage as the BEA surveys of plant and equipment expenditures for air and water pollution abatement. The estimates, prepared by the perpetual inventory method, are the sum of six components: stocks for air and water pollution abatement, separately, in manufacturing, electric utilities, and other nonmanufacturing industries.

The principal sources that ACEB used for capital outlays were the BEA surveys of expenditures for pollution abatement plant and equipment, available annually from 1973, and the similar surveys by the McGraw-Hill Publications Company, available annually from 1967, and capital outlays from the Census Bureau surveys of pollution abatement expenditures by manufacturing establishments. Other sources were also used. The estimates were constructed by use of straight-line depreciation, BEA deflators for business fixed nonresidential investment, and expected useful lives that were suggested for water pollution controls by EPA in the Federal Register of September 10, 1973, and for air pollution controls by the Bureau of Internal Revenue in its Bulletin F. (ACEB used 85 percent of Bulletin F lives.)

The net capital stock rises from \$5.0

billion in 1967 to \$35.0 billion in 1975. A series for the value of the baseline stock was obtained by extrapolating the 1967 figure by the net domestic product of nonfarm nonresidential business. Subtraction from the total stock yielded a series for the value of the incremental stock (\$26.0 billion in 1975). Both total and incremental stock are shown in table 2.

The value of the incremental stock each year was multiplied by the cyclically adjusted ratio of nonlabor earnings to asset values in nonfarm corporations (table 3) to secure net opportunity cost of invested capital (table 1, line 9).

10. Net opportunity cost of invested capital: solid waste disposal

CEQ estimated that incremental private capital costs ("depreciation and interest," including imputed interest) of solid waste disposal were \$0.1 billion in 1975 (7th Annual Report, p. 145). This estimate is comparable to the sum of my estimates for depreciation and net opportunity cost, but was not used directly because of the absence of comparable data for other years. However, it agrees with the estimate of \$121 million that I obtain as the sum of depreciation and net opportunity cost in 1975.

BEA (Survey, February 1977, p. 15, table 1) estimates capital outlays by nonresidential business for solid waste disposal at \$315 million in 1972, \$403 million in 1973, and \$424 million in 1974. A 1975 estimate of \$422 million is obtained by assuming the same percentage change as in plant and equipment expenditures for solid waste disposal, as reported in the Survey, July

Table 3.—Nonfarm Corporations: Ratios of Nonlabor Earnings to Asset Values

	Ratios					
	Actual	Cyclically adjusted				
1967	0, 123	0.112				
1968	. 122	. 111				
1969	. 107	.111				
1970	. 085	. 110				
1971	. 087	. 109				
1972	. 094	. 109				
1973	. 086	. 108				
1974	. 064	. 107				
1975	. 069	. 106				

1976, p. 14, table 1. The latter source provides an industrial distribution of plant and equipment expenditures for solid waste disposal. For 1974 and 1975, combined, electric utilities accounted for 23 percent, petroleum 20, primary metals 10, chemicals 9, paper 7, and all other industries 33. Discussion with ACEB staff elicited an opinion that the portion of such spending that was due to strengthened requirements for pollution abatement (that is, the portion that was incremental) was perhaps 35 percent in 1974, having risen gradually until about 1970 and more rapidly thereafter. (From 1973 to 1976 outlays for solid waste disposal did not increase in real terms and their share of capital outlays did not rise.)

A series for incremental capital outlay for pollution abatement was constructed as follows. I assigned 35 percent (\$148 million) of the 1974 total to the incremental outlay and 65 percent (\$276 million) to baseline capital outlay. The baseline outlay in other years from 1972 through 1975 was assumed to be the same percentage as in 1974 (0.246) of total expenditures for new plant and equipment by U.S. business for all purposes (as reported in the Survey, March 1977, p. 31, and earlier issues). Incremental outlays in these years were obtained by subtraction. For earlier years, they were estimated on the assumption that the annual increase from 1967 (when they were zero) to 1970 was one-half that from 1970 to 1972.

From this series, and two assumptions, series for gross stock, net stock, and depreciation in current and constant prices were calculated by the perpetual inventory method, using straight-line depreciation. The assumptions are (1) that the capital included had an average service life of 15 years (a sheer guess, but the importance of trucks in capital suggests a fairly short life) and (2) that the BEA implicit price deflator for gross private domestic nonresidential fixed investment (NIPA table 7.1) is applicable to solid waste disposal capital.

A check on the depreciation estimate is provided by engineering data which, ACEB analysts inform me, suggest that depreciation equals about 15

percent of current cost in an ongoing situation. My 1975 estimate is \$53 million; 15 percent of current cost would be \$54 million.

The net opportunity cost is the product of the net stock in current prices (average of values at the beginning and end of the year), which is shown in table 2, and the cyclically adjusted ratio of earnings to asset values in nonfarm corporations shown in table 3.

11. Value of materials and energy reclaimed

Against incremental costs incurred by business must be set the value of materials and energy reclaimed as a result of the incremental expenditures.

BEA estimates the total value of materials and energy reclaimed at \$415 million in 1972, \$470 million in 1973, and \$538 million in 1974.²⁵ The 1974 estimate compares with a total for manufacturing of \$534 million reported by the Census Bureau; the \$4 million difference is BEA's allowance for public utilities.²⁶ The 1974 BEA estimate was extrapolated to 1975 by the Census Bureau series for manufacturing, yielding an estimate of \$693 million.

The BEA estimates for materials and energy reclaimed equaled 0.05254 percent of nonfarm nonresidential business NNP in 1972 and 0.05811 percent in 1974, an increase of 0.00279 percentage points a year. Ratios for earlier years were estimated on the assumption that

the yearly increase in the ratio from 1970 to 1972 was the same as the average increase from 1972 to 1974, and that from 1967 to 1970 it was half that big. The ratio was multiplied by nonfarm nonresidential business NNP to secure an estimate of the total value of materials and energy reclaimed for each year from 1967 to 1971.

The 1967 ratio so derived, 0.04278 percent, was multiplied by nonfarm nonresidential business NNP each year to secure a baseline series for materials and energy reclaimed. The baseline value was deducted from the total value to obtain the series for the incremental value of materials and energy reclaimed. The results imply that the incremental value comprised 38 percent of the total value in 1975. This conforms to my general impression that the larger part of the value of materials and energy reclaimed, which is widely dispersed by industry, would have been reclaimed under practices prevailing before the new legislation and is not an appropriate deduction from incremental costs.

Omitted Items

Four types of incremental business costs are omitted because of lack of information or because their inclusion would be conceptually questionable.

Land and inventories

An opportunity cost estimate for land and inventories required for pollution abatement should be included. It would be the product of the value of such land and inventories and the ratio of earnings to assets that was used to secure net opportunity cost estimates for fixed capital. Information concerning incremental stocks of land and inventories devoted to pollution abatement has not been located.

Noise, radiation, and pesticide pollution abatement

BEA estimates of national expenditures for PAC include noise, radiation, and pesticide control; however, none of the expenditures that appear in its accounting are made by business (Survey, February 1977, p. 15, table 1). CEQ shows only an estimate for nuclear power plants, put at \$0.0 billion—i.e., less than \$50 million—in 1975 (7th Annual Report, pp. 145, 167). This omission clearly is of no importance.

Agriculture, real estate operators, and independent professional practitioners

BEA data for business do not cover agriculture, real estate operators, and independent professional practitioners in legal and medical services (including proprietary hospitals). The total omission from incremental expenditures for nonresidential business is believed negligible. (Expenditures by owners of large cattle feeding lots may be the largest component.)

Table 4.—Pollution Abatement Costs: Calculation of Effect Upon Output Per Unit of Input in Nonresidential Business

	Nonresidential business output (billions of dollars)		abateme	al pollution ent costs of dollars)		input diverted to		Ratios of input diverted to pollution abatement to total input	Ratios of input not diverted to pollution abatement to total input	Index of effect of pollution abatement costs upon output per unit of input
	Measu National income	Net national product	Direct labor and net opportunity costs of invested capital	Other costs including depreciation	Col. 3 ÷ col. 1	Col. 4 col. 2	Col. 5 + col. 6	Col. 7 ÷ (one + col. 7)	One col. 8	From col. 9 (1972=100)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1967	509. 1 554. 5 595. 5 610. 3	566. 7 619. 7 666. 4 685. 8	0 84 218 512	0 192 440 801	0.00000 .00015 .00037 .00084	0.00000 .00031 .00066 .00117	0.00000 .00046 .00103 .00201	0. 00000 . 00046 . 00103 . 00201	1. 00000 . 99954 . 99897 . 99799	100. 41 100. 37 100. 31 100. 21
1971 1972 1973 1974	650. 9 724. 6 817. 3 862 2	734. 7 814. 5 914. 9 970. 1	882 1,327 1,895 2,773	1, 303 1, 883 2, 704 4, 123	. 00136 . 00183 . 00232 . 00322	. 00177 . 00231 . 00296 . 00425	. 00313 . 00414 . 00528 . 00747	. 00312 . 00412 . 00525 . 00741	. 99688 . 99588 . 99475 . 99259	100. 10 100. 00 99. 89 99. 67
1975	916. 5	1, 032. 6	3,894	5, 685	. 00425	. 00551	. 00976	. 00967	. 99033	99. 44

Research and development expenditures

Incremental research and development (R. & D.) expenditures for pollution abatement probably should not be regarded as subtracting from output per unit of input and I have deliberately omitted them from the incremental pollution abatement costs that affect it. The reason is that R. & D. by business is not counted as a final product regardless of its purpose, so that R. & D. expenditures by business reduce productivity when they are made whether or not the R. & D. is for pollution abatement. Diversion of resources to pollution abatement R. & D. from other R. & D. thus has no immediate effect on productivity.27 Output per unit of input is adversely affected by an increase in R. & D. expenditures for pollution abatement at the time it occurs only if the resources are diverted from uses other than R. & D. (If resources added to R. & D. were previously unemployed, their addition will reduce output per unit of input whether they are allocated to R. & D. for pollution abatement or for other purposes.)

Even if incremental R. & D. costs are included, they have no appreciable effect on the growth rate of output per unit of input. BEA reports that R. & D. expenditures by business for PAC amounted to \$518 million in 1972, \$568 million in 1973, and \$594 million in 1974; four-fifths was concerned with air pollution (Survey, February 1977, p. 15, table 1; its source is the National Science Foundation). Earlier data are absent. Even if there were no R. & D. expenditures for pollution abatement in 1969, so that incremental expenditures in 1974 were the same as total expenditures, and if none of the 1974 R. & D. expenditures used for pollution abatement was diverted from other R. & D., the reduction in the 1969-74 growth rate of output per unit of input in nonresidential business would have been only 0.01 percentage points.

Index of Effect of Pollution Abatement Costs Upon Output Per Unit of Input

The percentage that incremental

costs of pollution abatement represented each year of the value of output plus these costs was next computed. As explained earlier, this is the percentage by which measured output per unit of input was reduced by the diversion of inputs to pollution abatement as a result of changes occurring after 1967. The following paragraphs describe the calculations; table 4 shows them in detail.

To refine the calculation slightly, incremental costs were first divided into two parts, one of which is compared with NI and the other with NNP. The direct labor component of the incremental current cost of air and water pollution abatement and the net opportunity cost of invested capital (lines 2a, 8, 9, and 10 of table 1) represent direct factor costs. To calculate the ratio of these costs to net output, net output is also valued at factor cost. Other current costs are business purchases from other enterprises and are therefore valued at their market price, i.e., they include indirect taxes in their value. Depreciation is also at market price, because it is based on capital stock data that are derived from gross capital formation at market price. To calculate the ratio of incremental cost in these categories to net output in the nonresidential business sector, net output is also valued at market price. The sum of the two ratios is shown in table 4, column 7.28 In 1975, it was 0.00976 or 0.976 percent. If environmental protection in 1975 had been as it was in 1967, the resources used in production in 1975 would have provided a measured net product 0.976 percent larger than they actually provided. This is equivalent to saying that 1975 resources provided a measured net product 0.967 percent smaller than if environmental protection had been as it was in 1967 (table 4, column 8). Thus, by 1975 changes in environmental constraints since 1967 had diverted nearly 1 percent of the total input in nonresidential business to pollution abatement that is not counted as measured output.

The ratio of input not so diverted to total input, shown in table 4, column 9, is converted to index form in column 10. This is an index of the course that measured output per unit of input in nonresidential business would have followed if nothing had changed except pollution abatement. The index is expressed with 1972 equal to 100 to conform to the broader study of which this is a part.²⁹

The index shows that the increasing diversion of labor and capital to pollution abatement was impairing the growth of measured output per unit of input importantly by the mid-1970's and that the amount was growing. From zero before 1967, the amount of impairment increased to an annual average of one-twentieth of a percentage point from 1967 to 1969, one-tenth of a point from 1969 to 1973, and nearly one-fourth of a point from 1973 to 1975.

Part 3: Costs Incurred To Protect the Safety and Health of Workers

Major changes in legislation, regulations, and other provisions controlling the protection of the safety and health of workers have become effective since 1967. In the measurement of national income and product, expenditures made to conform with the new requirements are treated in the same way as expenditures to conform with requirements to protect the physical environment. As in the environmental case, to obtain the

effect on output per unit of input it is necessary to estimate the proportion of input in nonresidential business that has been diverted from the production of measured NI and NNP. This requires knowledge of the incremental costs that business has incurred to conform to the new provisions. The costs that must be counted are, as before, current costs (labor and purchases from other enterprises), depreciation, and the net oppor-

tunity cost of invested capital. The proportion of output diverted to protect employee safety and health is estimated as the sum of three major components.

The first component consists of new safety features on motor vehicles. Price and output measures treat these features, like antipollution devices, as additions to real product. As a result, only safety features added to vehicles that are sold to business need to be considered here. Safety features on business vehicles may, of course, protect the general public as well as employees who drive and ride in them, but the effect on output per unit of input is the same.

The second component consists of the incremental costs of protecting employee safety and health in coal, metal, and nonmetal mining. These costs arise largely as a result of legislation that applies only to mining. Safety and health costs have been much larger in mining than in other industries.

The last component consists of the costs incurred by business in all industries except the three mining industries. They have arisen as a result of the Occupational Safety and Health Act.

According to the estimates derived in this section, measured output per unit of input in 1975 was reduced 0.42 percent by the diversion of inputs after 1967 to protect the safety and health of workers. Of this amount, 0.09 percentage points were attributable to safety features on motor vehicles, 0.24

points to programs in mining, and 0.09 points to programs in other industries, which began to have an impact only toward the end of the 1967-75 period.

Safety Requirements for Motor Vehicles

New safety features on automobiles and trucks affect output per unit of input in just the same way as do features required to reduce pollution: only when the vehicles are sold to business users is output per unit of input affected.

Computations of costs were confined to capital costs: depreciation and the net opportunity cost of invested capital. Current expenses may be affected either favorably or unfavorably by safety requirements. For example, better bumpers may reduce damage sustained in collisions and hence repair costs but increased weight may reduce gas mileage; moreover, some devices require maintenance, repair, or replacement. In the absence of information, favorable and unfavorable effects are assumed to be offsetting, and no allowance is made for changes in current costs.

Capital cost estimates were made separately for automobiles and trucks. Automobiles accounted for three-fourths of their combined cost to business in 1975 and more in earlier years.

Table 5.—Incremental Costs of Safety Equipment on Business Motor Vehicles

[Millione of dellorel

	Costs of new provisions for safety, automobiles,	of incre safety equaverage	Net capital stock of incremental safety equipment, average for year, current prices		of incremental Depreciation, current prices verage for year,		Net opportunity cost of invested capital, current prices		Total incremental cost of safety equipment		
	model year	current	prices					Millions of dollars (Cols.	Percentage of nonresidential		
	Dollars	Autos	Trucks	Autos	Trucks	Autos	Trucks	4+5+6+7)	business NNP		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
1967											
1968 1969 1970	42. 00 14. 00 26. 50	81 238 437	20 60 114	9 26 50	2 7 15	9 26 48	2 7 13	22 66 126	0.00 .01		
1971	10, 00 12, 00 85, 60 107, 60	665 907 1, 313 1, 973	173 215 292 485	80 113 168 258	23 31 44 72	72 99 142 211	19 23 32 52	194 266 386 593	.00		
1975	10. 70 13. 40	2,701	921	368	134	286	98	886	. 0		

Note.—Except for column 1, estimates refer to calendar years. Estimates for 1967 ignore small amounts deriving from 1968 cars bought in 1967.

Automobiles

From the 1968 model year on, changes in automobiles have been made every year to meet actual and anticipated Federal safety standards. BLS provides an annual release (already cited) that enumerates each of the changes adopted in the latest model year and its estimated retail value. Column 1 of table 5 shows the costs of each model year's improvements, in that year's prices.

Starting with these data, I derived gross and net stock, depreciation, and the net opportunity cost of invested capital in just the same way as the corresponding estimates for abatement of air pollution by automobiles, which are fully described above. The estimates imply that by 1975, some 8.9 percent of the price of new cars represented incremental safety equipment compared with 5.0 percent for pollution abatement. Table 5, column 2 shows the net stock of incremental safety equipment, expressed in current prices, based on an average of values at the beginning and end of each year. Columns 4 and 6 show the cost estimates.

Trucks

Safety improvements on trucks, like those on automobiles, are treated as additions to real product rather than price increases in the NIPA's, so the conceptually correct treatment of costs is the same.

Trucks have long been subject to safety regulations by various agencies, but the cost of changes that correspond to those counted for automobiles or that were required to meet orders of the National Highway Traffic Safety Administration (NHTSA) may properly be counted as incremental cost. Estimation is difficult, in part because of lack of information on the number of business trucks affected by any regulation.

The estimates are the sum of two series.

One, covering trucks, bought by business, that had a gross vehicle weight of 10,000 pounds or less, assumes that in this weight class the cost per truck was the same as the cost per automobile.

The second covers trucks, bought by business, with a GVW of more than 10,000 pounds. The only significant cost of compliance resulted from an amendment to the NHTSA Standard No. 121, which required expensive improvements to air brake systems on trucks produced after March 1, 1975. BLS estimates of the additional cost, at wholesale, for various kinds of trucks were mainly in the range of \$500 to \$1,200. The Planning and Evaluation Division of the U.S. Department of Transportation informally estimated the average cost per vehicle at \$1,000 to \$1,500. I have used \$1,000 as an estimate of the average cost of compliance per vehicle with GVW of more than 10,000 pounds for vehicles produced under the Standard in 1975. My estimates assume that two-thirds of 1975 business purchases of such trucks, by number, consisted of vehicles produced inaccordance with Standard.

Once the cost of safety equipment in new trucks purchased by business was established, the procedure was the same as for pollution abatement devices in trucks. Columns 3, 5, and 7 of table 5 show resulting estimates for net stock, depreciation, and the net opportunity cost of invested capital.

Total incremental cost

The total incremental cost for automobiles and trucks is shown in table 5, column 8. (It will be recalled that nothing is included for current costs.) Cost is expressed as a percentage of nonresidential business NNP in column 9.

Mining Industries

This section covers mining of coal, metal, and nonmetallic minerals, but not oil and gas extraction. In the mining industries, recent actions affecting the safety and health of workers have involved Federal and State governments and unions. The major Federal laws were the Federal Metal and Nonmetallic Mine Safety Act of 1966 (the "Metal Nonmetal Act") and the Federal Coal Mine Health and Safety Act of 1969. Enforcement responsibility was

originally placed in the Bureau of Mines, U.S. Department of Interior, but dissatisfaction with the vigor of enforcement led in 1973 to creation of the Mining Enforcement and Safety Administration (MESA), which was formed from the pertinent organizational components of the Bureau of Mines. MESA employs a large inspection staff. Tightening of State regulation often accompanied or preceded Federal actions. Under the Metal Nonmetal Act, six States currently operate inspection systems in accordance with Federal standards and under MESA's supervision. In coal, the United Mine Workers of America (UMW) has its own safety department, which was strengthened in 1973. The union itself inspects for safety. Union locals may shut down mines until violations are corrected.

Information is insufficient to estimate the effect of these developments by the methodology used up to this point in the article. Instead, the estimate is based upon the amounts by which productivity trends have deteriorated and the opinion of informed persons that the change in trends resulted from stronger controls for the protection of safety and health.

Productivity in all three mining industries has declined in recent years after long periods of strong advance.³⁰ Output per person employed peaked in 1968 in coal mining, even though

descriptive evidence suggests that technology has continued to advance, and even though earlier trends in the composition of mining by type of mine and process and degree of mechanization, continued uninterrupted. Peaks in output per person employed were reached in 1970 in both copper mining and iron mining, which together account for about seven-tenths of employment in metal mining.³¹ The peak was reached in 1973 in nonmetallic minerals.

Individuals familiar with mining consider that controls imposed to promote safety were responsible for the sudden reversals of productivity trends in these industries. Coal mining, the largest mining industry, has been discussed most. For example, Harold Davis, editor-in-chief of Coal Age began an article in the February 1973 issue (p. 111) with the sentence: "The coal industry looks back upon three years of declining productivity that stems from stringent new safety regulations which must be lived with."

In its July 1975 issue (p. 98), Coal Age "posed a series of questions" on productivity to officials of UMW and summarized the interchange as follows:

"Coal Age: The decline in productivity that is affecting the coal industry has resulted largely from the requirements specified in the 1969 Coal Mine Health and Safety Act. How does the leadership of the United Mine Workers relate the need for improved safety to the need for improved productivity?

Table 6.—Coal Mining: Derivation of Employment Required by Strengthened Controls for Worker Safety and Health

	Index of output per employee (1967=100)			Employment in coal mining 1 (thousands)		
	Actual	If growth rate were 6.5 percent after 1968	Col. 1÷col. 2	Actual	Without strengthened controls Col. 3×col. 4	Required by strengthened controls Col. 4-col. 5
1968	101. 3 99. 6 97. 5 87. 4 83. 3	² 101. 3 107. 9 114. 9 122. 4 130. 3	1. 000 . 923 . 849 . 714	133 136 146 148 161	133 126 124 106	0 10 22 42 58
1973	81. 9 76. 9 70. 9	138. 8 147. 8 157. 4	. 590 . 520 . 450	161 180 214	95 94 96	66 87 118

Full-time and part-time employment.
 Set equal to column 1.

^{2.} Set equal to column 1.

Sources: Column 1, U.S. Department of Labor, Bureau of Labor Statistics, Bulletin 1938, table 11. Column 4, U.S. Department of Commerce, Bureau of Economic Analysis, NIPA, table 6.7.

"UMW: We believe that until recently, productivity in the United States was artificially inflated because of safety risks that coal companies were willing and able to take in their efforts to mine more coal with less men. . . .

"It is our opinion that over the years, operators have cut back on work crews beyond the limit where it is safe. They have not allowed enough men to man equipment, and they've cut back on maintenance, ventilation, and dust control teams.

". . . when we talk about 'productivity,' we should be meaning 'productivity consistent with safety."

Clearly, Coal Age and UMW officials agree that safety legislation was responsible for the reversal of the former upward trend in coal output per worker or man-hour.

Business executives and the Bureau of Mines also regard safety regulations as the obvious and main reason for the reversal of the productivity trend.32 Other factors, particularly an influx of inexperienced workers, wildcat strikes, and increased absenteeism, are mentioned but regarded as secondary influences.33 I shall base my estimate for mining on the opinion that failure to continue the past trends in output per worker was due, through 1975, to the strengthened controls to protect workers' safety and health. I shall estimate the amount by which the actual number employed in mining exceeds the number that would have been required to obtain the same output if the former trends in output per worker had continued. When this amount is expressed as a percentage of total employment in nonresidential business, an estimate is

secured of the percentage by which output per unit of labor input in nonresidential business was reduced by the strengthening of safety and health controls in mining. The same percentage is used for the reduction of output per unit of input, the main justification being that labor is a large percentage of gross factor cost. (The assumption implies that the ratio of depreciation and the net opportunity cost of invested capital to labor cost in mining was not altered by the controls.)

For coal mining, I start the calculation of the effect of strengthened safety and health controls from 1968 (when they are assumed to have had no effect) and, based on the 1957-68 period, use 6.5 percent as the past annual growth rate of output per person employed. Rates for some possible alternative periods are 5.8 percent for 1948-68, 7.0 214,000. The calculation implies that only 96,000 would have been needed to obtain the same output in the absence of strengthened safety and health controls. Table 6 shows the calculation.

For nonmetallic minerals, the calculation starts from the 1973 productivity peak, and as the past growth rate of output per person employed I

percent for 1953-68, and 7.1 percent for 1960-68. All these rates are higher if the period is ended in 1967; the 1957-67 rate was 7.0 percent as against the 6.5 percent rate for 1957-68. Actual coal mining employment increased from 1968 to 1973, then more sharply from 1973 to 1975. My calculation implies that in the absence of strengthened controls, employment would have declined until 1973 and then stabilized. By 1975, actual employment was

Table 7.—Mining (Except Oil and Gas): Employment Required by Strengthened Controls for Worker Safety and Health

	Employme	Col. 6 as a percentage of					
	Coal	Nonmetal	Iron	Copper	Other metal	Total mining	nonresidential business employment
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1968	10 22 42 58 66 87 118	6 19	2 4 3 3 3 3	3 5 7 13 12	3 4 4 7 8	10 22 50 71 80 116 160	0.02 .04 .08 .11 .12 .17 .24

used 3.5 percent, based on the 1955-73 period. Rates for some other reasonable periods were 3.6 percent for 1957-73, and 3.5 percent for 1964-73. The rate was 3.7 percent from 1955 to 1969 and 3.0 percent from 1969 to 1973. By 1975 actual employment was 116,000, and and the calculation implies that it would have been 97,000 in the absence of strengthened safety and health controls.

For iron and copper mining, the calculation starts from a 1970 productivity peak. In both these small industries, in which annual changes in productivity tend to be erratic, the past growth rate of output per person employed was based on the change from the 1952-56 average to the 1966-70 average: 2.2 percent in iron mining and 2.8 percent in copper mining. To obtain estimates for "other" metal mining, I assumed that the ratio of employment in the absence of strengthened safety and health controls to actual employment would have been the same as in iron and copper mining combined. It is estimated for metal mining as a whole that actual employment was 95,000 and that it would have been only 72,000 in the absence of new safety legislation.

Columns 1 to 6 of table 7 show the annual estimates of the additional employment that stronger safety and health controls necessitated, given the actual output of the mining industries. The estimate for 1975 is 160,000, which is equal to 0.24 percent of total employment in all nonresidential business (as shown in column 7 of table 7). As stated earlier, the same figure is used as the percentage of total input in nonresidential business that was diverted from production of final products to protection of safety and health in mining. The percentage is remarkably large for the effect of strengthened controls in such small industries. It may, of course, be an overestimate if safety and health controls were not the only cause of the productivity turnaround.

The recession, by lowering output, contributed to poor productivity performance in the economy as a whole in 1974 and 1975. If the recession also contributed to poor performances in the mining industries, the effect of

Table 8.—Plant and Equipment Expenditures for Safety and Health, Business Except Mining

		Expenditures in current prices				
	Millions of dollars	Percentage of nonfarm nonresiden- tial business NNP	Millions of dollars			
	(1)	(2)	(3)			
1972 1973 1974 1975	2, 425 2, 485 2, 922 2, 60 8	0.308 .286 .315 .263	2, 425 2, 443 2, 656 2, 047			

Source: Column 1: Economics Department, McGraw-Hill Publications Company.

safety and health controls is overestimated in these years. This may be so in metal and nonmetal mining, but seems unlikely in coal, the biggest industry, because, as measured by BLS, output actually rose 8 percent, and employment 24 percent, from 1973 to 1975.

Industries Other Than Mining

The Williams-Steiger Occupational Safety and Health Act, effective April 28, 1971, covers business in general. This section is confined to the effects of this law, which is administered by the Occupational Safety and Health Administration (OSHA) of the Department of Labor.

Through 1975, the last year covered by the estimates in this article, only moderate costs seem to have been imposed upon business by this legislation. This was partly because OSHA regulation consisted mainly of the codification of existing standards in the field of safety, and safety (as distinguished from health) has been promoted by business for many years both on its own volition and under the prodding of State agencies and insurers. OSHA, in accordance with the law, began its work by issuing as its own regulations a book of "consensus" standards—safety standards that had previously been adopted by trade associations and professional societies. This initial package was effective August 27, 1971, and most subsequent standards were similar in character.

Through 1975, relatively little OSHA regulation had been imposed in the

area of health.³⁴ Health regulation is likely to be much more costly because it is new and will require greater changes in existing practices. Costs will be especially large if OSHA adheres to the principle that personal protective equipment, such as earplugs and earmuffs to reduce noise, should not be relied upon to meet standards.

Enforcement policy was based on belief that business would comply voluntarily if it understood OSHA standards, an approach that could be expected to secure compliance only gradually and after a lapse of time. Firms were never or rarely cited for violating the majority of OSHA standards; violations were concentrated in only a few standards. Penalties were small. As of the end of 1975, nonserious violations discovered (98.7 percent of the total) drew fines averaging \$16 and serious violations (the remainder) fines averaging \$648.35

The McGraw-Hill Publications Company, which regularly surveys plant and equipment expenditures by U.S. business, has collected capital outlays for employee safety and health for years beginning with 1972. Table 8, columns 1 and 2, shows expenditures by industries other than mining in millions of dollars and as a percentage of nonfarm nonresidential business NNP. Column 3 shows the series in constant prices that is obtained when current-dollar outlays are divided by the NIPA implicit price deflator for producers' durable equipment. These data refer to total, rather than incremental, capital outlays; the amounts that stem from OSHA's requirements are not reported separately.

It appears to be the general view that OSHA is responsible for a substantial fraction of the total. Thus, McGraw-Hill states in its annual releases: "Investment in job health and safety is related, in part, to the present enforcement of the 1970 Occupational Safety and Health Act (OSHA). This is still a relatively new area of largescale capital expenditures. . . . " 36 Also, Murray L. Weidenbaum, after noting difficulties of reporting and interpretation, says the data "should be taken mainly as illustrative of the substantial costs involved in meeting federally mandated requirements." 37

However, the trend of capital outlays from 1972 to 1975 suggests a different interpretation: that nearly all of the reported expenditure would have been made in the absence of new legislation. In this period, capital outlays for safety and health showed no uptrend relative to output or, when measured in constant prices, even in absolute value. The absence of an increase after 1972 suggests that capital outlays resulting from OSHA regulations could not have been large unless capital outlays in 1972 were already raised substantially by OSHA regulations. But it is not likely that OSHA could have had a substantial impact fast enough to raise outlays to a substantially higher plateau as early as 1972. The law became effective only April 28, 1971, the first standards did not go into effect until August 27, 1971, and the early standards were not regarded as stringent. Weidenbaum regards 1973 as "the first year of operation" of OSHA and to assess the effectiveness of the new safety legislation, examines changes in accidents from 1972 to 1973.38

Table 9.—Incremental Costs of Protecting Worker Safety and Health, Nonresidential Business Except Mining

]	Incremental costs (millions of dollars)							
	Current costs	Depreciation	Net opportunity cost of invested capital	Total	age of nonresi- dential business NNP plus incremental costs				
	(1)	(2)	(3)	(4)	(5)				
1970 1971 1972 1973 1974	0 26 113 197 319 450	0 14 59 117 197 285	0 14 60 105 177 237	0 54 232 419 693 972	0.00 .01 .03 .05				

I compromise the opposing views in the following way. First, I carry the series for capital expenditures for safety and health shown in table 8 back to 1970 by assuming that in 1970 the ratio of such expenditures to nonfarm nonresidential business NNP was threefourths of the 1972 ratio, or 0.231 percent, and that in 1971 it was midway between the 1972 and assumed 1970 ratios. Second, I assume that in the absence of OSHA the 1970 ratio would have continued until 1975. This ratio, 0.231 percent, was multiplied by nonfarm nonresidential business NNP to obtain baseline capital expenditures. Baseline capital expenditures were deducted from total expenditures to secure a 1971-75 series for incremental capital expenditures. The incremental capital expenditures series was then used to construct series for the gross and net stock of safety and health capital, and of depreciation. A service life of 10 years for capital goods bought with these outlays and the straight-line formula for computing depreciation were used, and the BEA implicit deflator for fixed nonresidential investment was adopted as a price series in the calculations.

Depreciation in 1975, calculated as 10 percent of the average gross stock value at the start and end of 1975, was \$285 million in current prices (table 9, column 2). The net stock averaged \$2,232 million in 1975. The cyclically adjusted ratio of earnings to asset values of 10.6 percent (table 3) was multiplied by this value to secure the net opportunity cost of the incremental stock, \$237 million in 1975 (table 9, column 3). Total capital cost, then, was \$522 million in 1975 (\$285 million plus \$237 million).

Data for current-account expenditures are unavailable and little is known even qualitatively about their importance. Complaints about needs to keep track of regulations, maintain records, and report were widespread during the period up to 1975, but whether current costs for other purposes—such as hiring additional safety and health personnel, testing, cleaning, diverting worktime to safety instruction, adopting more costly work layout, and so on—represented an appreciable burden is not known.

Even the few published projections of future costs usually do not separate current costs, if they count them at all. Three analyses that do make a separation, suggest current costs at least as large as annual capital costs but may not be representative.³⁹

To complete the estimates, I assume that current costs bear the same ratio to annual capital costs (depreciation plus net opportunity cost of invested capital) as they do for air and water pollution abatement (excluding motor vehicles). This ratio was 0.86 in 1975 (table 1, ratio of row 2 to the sum of rows 6 and 9). Column 1 of table 9 shows the resulting estimates of current costs, and column 4 shows incremental cost of all types.

Total incremental cost is shown in column 5 of table 9 as a percentage of nonresidential business NNP.⁴⁰ This is an estimate of the percentage by which net output (NI or NNP) per unit of input in nonresidential business would have been higher if there had been no costs imposed by the Occupational Safety and Health Act. The percentage had reached only 0.09 by 1975. The incremental cost imposed by the act was reducing the growth rate by about 0.02 percent a year after 1971.

Index of Effect of Costs of Protecting Worker Safety and Health Upon Output Per Unit of Input

Table 10 brings together the ratios of incremental cost to net output that

were computed for three types of programs to protect the safety and health of employed persons. The sum of the ratios is 0.42 percent in 1975 (column 4), and the figure is unchanged to this degree of rounding if incremental cost is stated as a percentage of the sum of measured product and the incremental cost (0.0042/1.0042=0.0042). As in the case of pollution abatement, this calculation yields the effect upon output per unit of input so the diversion of resources to protection of the safety and health of employed persons reduced measured output per unit of input by 0.42 percent in 1975. Ratios for all years are shown in column 5. Column 6 measures the ratio of input not so diverted to the total, and column 7 presents the same series in index form.

This index measures the course that output per unit of input in the nonresidential business sector would have followed if nothing had changed except provisions for the safety and health of workers (including regulations concerning motor vehicle safety). From 1967 to 1975, the index fell 0.42 percent, a growth rate of -0.05 percent. Mining was responsible for nearly three-fifths of the drop. The decline was accelerating throughout the period and by 1975 the rate had reached -0.12 percent. These growth rates are also the amounts, expressed in percentage points, by which the changes described were reducing the growth rate of output per unit of input in nonresidential business.

Part 4: Costs of Dishonesty and Crime

The number and costs of criminal acts, including those committed against business, have increased in the United States. There is no need to decide whether this results from changes in the governmental system of criminal justice or from changes in individuals' attitudes toward dishonesty and crime. Regardless of its cause, the increase in crime, and the apparent decline in the ability to rely upon the honesty of

other people, is an important change in the human environment within which business must operate.

Business is affected by an increase in dishonesty and crime among the public in general—and among customers, employees, and suppliers in particular—in two ways, both of which reduce measured output per unit of input. First, in an effort to limit its losses, business may

Table 10.—Costs of Protecting Worker Safety and Health: Calculation of Effects Upon Output Per Unit of Input in Nonresidential Business

	Ratios of		costs to net o	utput in	Ratio of input diverted to	Ratio of input not diverted to	Index of effect of protection costs upon out-
	Safety equipment on motor vehicles 1	Mining ²	Other industries 2	Total	protection to total input Col. 4÷one +Col. 4	protection to total input One—Col. 5	put per unit of input From Col. 6 (1972=100)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1967 1968 1969 1970 1971 1972 1973 1974	0.0000 .0001 .0002 .0003 .0003	0.0002 .0004 .0008 .0011 .0012 .0017	0. 0001 . 0003 . 0005 . 0007	0.0000 .0003 .0006 .0012 .0017 .0021 .0030	0. 0000 . 0003 . 0006 . 0012 . 0017 . 0021 . 0030	1. 0000 1. 0000 9997 9994 . 9988 . 9983 . 9979 . 9970	100. 1: 100. 1: 100. 1: 100. 1: 100. 0: 100. 0: 99. 99. 8: 99. 8:

Table 11.—Industries Providing Protective Services Against Crime: Receipts and Employment Based Upon the Census of Business

	Receipts (millions of dollars)				Wage and salary workers employed in March (thousands)			
	Detective agencies Armored and car protective services	Burglar and fire alarm systems	Total, three industries	Detective agencies and protective services	Armored car services	Burglar and fire alarm systems	Total, three industries	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1954 1958 1963 1967 1972	60 177 289 1 444 1 938	n.a. n.a. 67 1 91 1 233	n.a. n.a. n.a. n.a. 1 283	² 93 ² 272 ² 443 ² 668 1, 453	³ 17 ³ 42 67 92 176	n.a. n.a. 8 9 21	n.a. n.a. n.a. n.a. 14	n.a. n.a. 2 80 2 109 212

n.a. Not available.

Source: U.S. Department of Commerce, Bureau of the Census, Census of Business.

Table 12.—Industries Providing Protective Services Against Crime, and Selected Occupations: Employment and Wage Data Based on Various Sources

	Detective and p indu data from County		Guards and watchmen em- ployed in busi- ness service in- dustries: data from Census of Population	Private wage and salary workers: data from Current Population Sur- vey (yearly average, in thousands)		
	March employment (thousands)	First-quarter taxable wages (millions of dollars)	March employment (thousands)	Private police- men and detectives	Private guards and watchmen	
	(1)	(2)	(3)	(4)	(5)	
1959	1 21	1 12	n.a.	n.a.	n.a.	
1960	n.a.	n.a.	² 24	n.a.	n.a.	
1964	62	48	n.a.	n.a.	n.a.	
1967	97	79	n.a.	n.a.	n.a.	
1969	133	123	n.a.	n.a.	n.a.	
1970	152	144	² 61	n.a.	n.a.	
1971	164	163	n.a.	20	239	
1972	183	193	n.a.	20	281	
1973	203	220	n.a.	21	272	
	250	288	n.a.	21	311	
	253	320	n.a.	19	332	
	n.a.	n.a.	n.a.	21	352	

divert resources from the production of measured output to protection against criminal and dishonest acts. A highly visible example has been the appearance of guards in many drug and grocery stores. In comparison with the period before crime increased, input in these stores is raised but output is not. From the standpoint of the economy, labor that could otherwise be used to produce measured output is no longer available for that purpose. Second, business sustains increased costs as a result of criminal acts that nevertheless occur. Theft of merchandise is the main example. The production of merchandise that is stolen from inventories before it reaches a final buyer absorbs inputs that are measured but the merchandise stolen is not counted as output. Costs resulting from various other types of crime, such as the cost of repairing property damaged by vandalism, also reduce output per unit of input.

Some costs of protection are so indirect that measurement seems nearly impossible, and it was not attempted. For example, extensive dishonesty among the public completely bars selfservice at retail stores in some areas, and high crime rates may prevent placing businesses in cities or neighborhoods that would otherwise provide the most advantageous locations.

I shall, with one exception, initially measure the total rather than the incremental cost of crime.41 But to judge the effect of crime on the course of output per unit of input, attention must, of course, be directed to changes in the cost burden, that is, to the incremental cost.

Data for crime costs are inadequate. They are increasingly so as one moves back in time. However, it is clear that the increase in crime started much before 1967, the starting point for the estimates presented in parts 2 and 3 of this article. To avoid a discontinuity, I have carried the series back to 1957.

Costs of Protection

The costs of protection against dishonesty and crime can be divided between the protection that firms provide for themselves, particularly the direct hiring of guards and detectives, and the

Business vehicles only.
 Excludes safety features on cars and trucks.

n.a. Not available.

1. Receipts of firms with no employees are estimated.

2. Includes estimates for components not shown.

3. Week ended nearest November 15.

<sup>n.a. Not available.
1. Private detective agencies only.
2. Proprietors and unpaid family workers are included. Estimation was required to include persons not reporting occupation and/or industry, to include females in 1960, and to exclude persons employed by nonprofit organizations.</sup>

Sources: U.S. Department of Commerce, Bureau of the Census, County Business Patterns (columns 1 and 2) and Census of Population (column 3). U.S. Department of Labor, Bureau of Labor Statistics (columns 4 and 5).

purchase of protective services from firms specializing in this activity.

The former is probably the larger; it occupies most of the persons engaged in these activities. But the increase in protective activity during the past two decades, in excess of that associated with growth of the economy, seems to have been confined to the purchase of protective services from specialized firms. To measure the increase in the cost of protection, therefore, direct hiring of protective service workers can be disregarded. The estimates of the cost of purchased services were based on the receipts of the specialized firms. Two tables providing data used in the analysis will be introduced at this point. I shall then describe, first, the statistical basis for the judgment that direct hiring could be disregarded and, second, the derivation of the estimates for purchased services.

Table 11 shows receipts and employment of firms specializing in protection against crime, based on the *Census of Business*. ⁴² Receipts of such firms are an approximation to expenditures by business firms although they include some receipts from individuals and others. These receipts represent the following percentages of NI originating in nonresidential business.

Year	Percent
1954	0. 038
1958	. 093
1963	. 117
1967	. 131
1972	. 201

Social Security (Old Age and Survivors' Insurance) data reported in County Business Patterns (CBP) provide March employment for detective and protective services in a number of years. The series (table 12, column 1) appears tolerably consistent with Census of Business data (table 11, column 5) although it runs slightly higher. This series and corresponding data for taxable payrolls (table 12, column 2) can be used to interpolate and extrapolate Census of Business data. Other data in table 12 will be mentioned shortly.

Protection that firms provide for themselves

Statistical information related to the provision that business makes directly for its own protection consists chiefly of the numbers employed in business in two occupations, "policemen and detectives" and "guards and watchmen," and the division of the number in the latter occupation between business service and other industries. Practically all guards and watchmen

in the business service industry are employed in protective service components so "business service" and "protective services" can be used interchangeably in this context. From the 1960 and 1970 Censuses of Population, the following approximations were obtained to the total numbers in the two occupations employed by all private business and, for guards and watchmen, the distribution between business service and other industries (data in thousands):

		March 1960		March 1970			
	Policemen and detectives	Guards and watchmen	Both	Policemen and detectives	Guards and watchmen	Both	
Total private business	17 n.a. n.a.	176 24 152	193 n.a. n.a.	17 n.a. n.a.	224 61 163	241 n.a. n.a.	

n.a. Not available.

The increase from 1960 to 1970 in employment of private guards and watchmen was concentrated in the business service industry. The number employed directly in the rest of the business sector did not increase more than total employment. The number of private policemen and detectives is too small to permit this finding to be altered by their inclusion.⁴³ I conclude that from 1960 to 1970, the ratio of directly hired protective service workers to total business employment did not change much.

What happened after 1970? The Current Population Survey (CPS) provides annual averages of the numbers of private wage and salary workers employed in the two occupations. The data appear in table 12, columns 4 and 5. Because the number of private policemen and detectives is both small and stable, attention can be confined to guards and watchmen. The number shown for 1971, the first year available, probably is not indicative of the level around that time. This is inferred from the CPS series for the total number of guards and watchmen, which is available without a division between private and government workers for a longer time period. In this series, the 1971 figure is erratically low, probably as a result of a sampling fluctuation. Stated in thousands, the numbers were 377 in 1969, 373 in 1970, 350 in 1971, 412 in 1972, and 420 in 1973. It is reasonable to infer that the private component, which represented 68 percent of the total in both 1971 and 1972, was also erratically low in 1971. Extrapolation of the number of private guards and watchmen backwards from 1971 by the series that includes government workers yields 255,000 as the estimated 1970 number that is comparable to the 332,000 in 1975 and the figures for other years shown in table 12, column 5.

Estimates based on the Census of Population for 1970, already provided, showed that 27 percent of 244,000 private guards and watchmen in nonresidential business were employed in business service and 73 percent in other industries. When the 255,000 estimated to be comparable to the CPS series for later years are similarly divided, 69,000 fall in business service, which is to say in the three protective service industries, and 186,000 in other industries.

From 1970 to 1975, CBP data for employment in protective service industries (table 12, column 1) rose 66.45 percent. If the number of private guards and watchmen in these industries rose by the same percentage, they

increased from 69,000 in 1970 to 115,000 in 1975. Since the total number of private guards and watchmen is estimated to have increased from 255,000 to 332,000, the number in other industries can be estimated by subtraction to have increased from 186,000 in 1970 to 217,000 in 1975. This would represent a minor increase in the percentage of total nonresidential business employment in this category, but it is too small a change to suggest a diversion of inputs sufficient to affect output per unit of input perceptibly.

I conclude that the costs to business of policemen, detectives, guards, and watchmen who are employed directly by the enterprises they protect did not change enough to affect output per unit of input either before or after 1970. It can be inferred that this was also true of related costs, such as those for supervision or uniforms. I therefore simply omit all these costs from the totals analyzed.⁴⁴

Protection purchased from specialized firms

Receipts of the protective service industries in Census of Business years (table 11, column 4) were interpolated and extrapolated by first-quarter taxable wages (table 12, column 2) to obtain a series covering 1954, 1958, 1963, 1967, and all years from 1969 to 1975. The ratio of these receipts regarded as payments by business for protection-to NI originating in nonresidential business was computed for all these years to supplement the ratios presented earlier for census years. Ratios for years that were needed but still missing (1957, 1959-62, 1964-66, and 1968) were estimated by geometric interpolation.

Index of effects of costs of protection

To secure an index of the effects of costs of protection on output per unit of input, these percentages were deducted from 100 percent, and the remainders converted to an index with 1972 equal to 100 (table 13, column 1). For example, costs of protection provided by business service firms were 0.117 percent of NI in 1963 and 0.201 percent in 1972; the remainders were

therefore 99.883 in 1963 and 99.799 in 1972; and the indexes 100.08 in 1963 and 100.00 in 1972.⁴⁵ The meaning is that if no determinant of output per unit of input except costs of protection had changed, output per unit of input would have been 0.08 percent higher in 1963 than in 1972.

This estimate covers only payments to the protective service industries and costs of direct hiring of police, guards, and watchmen. Other costs of protection include special design of buildings (notably banks), shutters and locks, safes, closed-circuit TV, alarm signals purchased independently of services, bookkeeping safeguards, packaging small consumer items in large containers (to discourage shoplifting), and procedures for validating checks and credit cards, among others, but I have no information as to whether the sum of these costs has changed relative to the value of output. It is unlikely that it has changed enough to affect the course of productivity appreciably.

Thefts of Merchandise and Damage to Property

The value of measured output is reduced by the value of goods, including those in transit, that are stolen from business inventories or are destroyed by arson or vandalism. This is so whether the value of output is derived from the NIPA's as the sum of national product components or as the sum of "charges" against national product. In the former case, this outcome results because goods stolen reduce the change in business inventories without raising any component of final sales. In the latter case, the outcome is the same because the value of goods stolen re-

Table 13.—Effects of Changes in Costs of Dishonesty and Crime Upon Output Per Unit of Input in Nonresidential Business

	т	Type of cost					
	Protection	Losses	Total				
	(1)	(2)	(3)				
1957	100, 13	100, 20	100. 33				
1958	100.11	100, 16	100. 27				
1959	100. 10	100.18	100, 28				
1960	100.10	100. 12	100. 22				
1961	100.09	100. 11	100. 20				
1962	100.09	100.11	100. 20				
1963	100.08	100.09	100. 17				
1964	100.08	100. 07	100. 15				
1965	100.08	100.08	100.16				
1966	100.07	100. 07	100. 14				
1967	100.07	100.02	100.09				
1968	100.05	99. 99	100.04				
1969	100. 03	99.95	99.98				
1970	100. 01	99. 90	99. 91				
1971	100. 01	99.88	99.89				
1972	100.00	100.00	100.00				
1973	100.00	99. 95	99.95				
1974	99. 95	99.88	99.83				
1975	99. 94	99. 73	99. 67				

duces corporate profits or proprietors' income and is not included in business transfer payments nor any other charge against national product. Since inputs used to produce goods stolen from inventory are counted in total input, thefts of merchandise from business reduce output per unit of input. When repairs to structures, equipment, and goods in inventory become necessary because of damage sustained from vandalism or arson, they too absorb input without providing final product, and thus reduce output per unit of input. To measure the effect on output per unit of input, losses sustained by business must be estimated.

The Bureau of Domestic Commerce (BDC) of the U.S. Department of Commerce has the only time series of which I am aware for the costs that crime has imposed upon business. Its estimates cover 1971, 1973, 1974, and 1975. BDC has sought to provide

Table 14.—Bureau of Domestic Commerce Estimates of the Cost of Crime Against Business

	Costs of o	rime (billions o	of dollars)	Nonresiden- tial business national in-		as percentages siness national	of nonresiden- income
	Preventive	All other	Total	come	Preventive	All other	Total
1971 1972 1973 1974 1975	3. 3 n.a. 3. 5 3. 9 4. 5	12. 4 n.a. 14. 8 16. 4 19. 1	15. 7 n.a. 18. 3 20. 3 23. 6	650. 9 724. 6 817. 3 862. 2 916. 5	0. 51 n.a. . 43 . 45 . 49	1. 91 n.a. 1. 81 1. 90 2. 08	2. 41 n.a. 2. 24 2. 36 2. 58

ı.a. Not available.

Source: Costs of crime from U.S. Department of Commerce, Bureau of Domestic Commerce, The Cost of Crimes Against Business, p. 7.

comparable data for the 4 years. The estimates are shown, with a two-way breakdown, in table 14. Costs of prevention are those discussed in the previous section. The definition of other costs differs from that which is desired mainly in that it covers not only losses of tangible property but also unrecovered losses of money—by theft, fraud (including passing of bad checks), forgery, embezzlement, and so on.

The data exclude some costs that BDC does not regard as "ordinary." For example, the costs of special measures by the airlines to prevent highjacking are excluded from protection costs.

The BDC estimates are admittedly based on fragmentary information, and the Bureau makes no claim as to their accuracy. BDC describes them as follows:

"To gather current information, a review of articles in the trade press on crime problems within particular industries was conducted, while many industry associations supplied information and estimates based on the experiences of their memberships. Various Federal Government agencies also provided statistics on crimes.

"This report, therefore, presents a detailed summary of the available knowledge of both the industries themselves and the Federal Government on the extent of the dollar loss of American business to crime in the period since 1971. In almost every case the estimates are conservatively stated. The report also demonstrates that accurate data with which to quantify the economic impact of crimes against business are either scarce or, as is most likely, not available." ⁴⁶

The BDC estimates for components that can be compared seem higher, after allowance for differences in dates, than those derivable from earlier reports by the Task Force on Assessment of The President's Commission on Law Enforcement and Administration of Justice and the Small Business Administration.⁴⁷ Much of the difference stems from higher estimates by BDC of the value of employee thefts. Personnel of the office now believe that even their higher estimates of inventory losses in retail trade from employee thefts and shoplifting are too low.

No direct use is made here of the BDC series for costs of protection, which implies that the rise in such costs subtracted 0.01 percentage points from the 1971-75 growth rate. My series, derived in the preceding section, yields the same result for this period.

I reduced the BDC series for "all other" costs by 20 percent (\$3.8 billion in 1975). The intent was to eliminate unrecovered losses of money because

they do not reduce measured output, at least in principle.⁴⁸

The ratio of the remaining costs to NI was calculated for each of the years for which BDC provides data. The first column of the text table below shows these ratios in percentage form. They represent the percentages by which output per unit of input was reduced by losses from crime.

To test the plausibility of the movement of this series, an independent measure of the prevalence of crime is needed. The Federal Bureau of Investigation (FBI) selects certain types of crimes for inclusion in its crime index and classifies three of these types as property crimes. They are burglary, larceny-theft, and motor vehicle theft.49 I calculated the ratio of the number of FBI "index" property crimes to NI originating in nonresidential businessmeasured in constant prices because the number of crimes does not rise with the price level. The ratio is expressed as thousands of FBI "index" property crimes per billion dollars of NI, measured in 1972 prices.

The two ratios are as follows:

	Costs (except protection and cash losses) as a percentage of NI (current prices)	Thousands of FBI index property crimes per billion doliars of NI in 1972 prices
1971	1, 524	11. 49
1972	n.a.	10. 23
1973	1, 449	10. 22
1974	1, 522	12. 51
1975	1, 667	14. 32

n.a. Not available

Table 15.—Indexes of the Effects of Changes in Three Aspects of the Institutional and Human Environment Upon Output Per Unit of Input in Nonresidential Business

		Tub	ut in Nonresa	ientiai busine	788 			
-	Indexes, 1972=100				Perce	ntage change in in	dexes from previous	year
	Pollution abatement (table 4)		Pollution abatement	Worker safety and health	Dishonesty and crime	Total		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1957	100. 41 100. 41	100. 17 100. 17 100. 17 100. 17 100. 17 100. 17 100. 17 100. 17 100. 17 100. 17	100. 33 100. 27 100. 28 100. 22 100. 20 100. 20 100. 17 100. 15 100. 16 100. 14 100. 09	100. 91 100. 85 100. 86 100. 86 100. 78 100. 78 100. 75 100. 73 100. 74 100. 72 100. 72			.00 03 02 .01 02 05	-0.06 .0106 .02 .000302 .0105
1968	100. 37 100. 31 100. 21 100. 10 100. 00	100. 17 100. 14 100. 11 100. 05 100. 00	100, 04 99, 98 99, 91 99, 89 100, 00	100. 58 100. 43 100. 23 100. 04 100. 00	-0.04 06 10 11 10	0.00 03 03 06 05	05 06 07 02 . 11	-, 03 -, 15 -, 20 -, 19 -, 04
1973	99. 89 99. 67 99. 44	99. 96 99. 87 99. 75	99. 95 99. 83 99. 67	99. 80 99. 37 98. 86	11 22 23	04 09 12	05 12 16	20 43 51

The FBI series is introduced only as a general indicator of crime prevalence; it does not count most crimes against business and does count many crimes against others. But it does tend to confirm the dip from 1971 to 1973 in the cost ratio based on BDC data, which I would regard with skepticism in the absence of some independent confirmation.

Percentages comparable to the first column of the text table were needed for other years. A percentage for 1972, 1.404 percent, was obtained by interpolating the first column of the text table by the second column. To serve as a basis to estimate similar cost percentages for earlier years, the second column was carried back to 1957. However, a simple extrapolation of the first column by the second would not have been satisfactory, because the amplitude of fluctuation in the two columns is not the same. Instead,

it was assumed that the value of the first column in each year before 1971 differed from its value in 1971 by 0.0506 of the difference between the 2 years in column 2. The ratio is based on the differences between 1971 and 1975 in the preceding text table: $0.0506 = (1.667 - 1.524) \div (14.316 - 11.490)$.

From the series of cost percentages obtained by thus extending the first column of the text table, an index of the effect of losses on output per unit of input (table 13, column 2) was computed by the procedure used for costs of protection.⁵¹ The product of these two series, shown in column 3, measures the course that output per unit of input in nonresidential business would have followed if nothing had changed except costs incurred as a consequence of changes in the prevalence of crime and dishonesty.

Part 5: Combined Effects

The indexes of the effects of changes in the three conditions discussed in this article upon output per unit of input in nonresidential business are repeated in the first three columns of table 15. An index of their combined effect, the product of the first three columns, is shown in column 4. This index is a measure of the course that output per unit of input in nonresidential business would have followed if there had been no change in the provisions adopted by business to protect the physical environment and the safety and health of employed persons, and no change in the prevalence of dishonesty and crime. Costs of pollution abatement increased annually after 1967 and costs of employee safety and health after 1968, while costs of dishonesty and crime fluctuated about an upward trend. The 1967 indexes for pollution abatement and worker safety and health are used for all earlier years because there is believed to have been no significant change in them until that time.

The last four columns of table 15 show the annual percentage changes in the indexes. By the mid-1970's, the three determinants were importantly retarding the growth of output per unit of input in nonresidential business. Together, they subtracted 0.2 percentage points from the percentage change in output per unit of input in 1973, 0.4 points in 1974, and 0.5 points in 1975.

Over the 6 years from 1969 to 1975, the three determinants subtracted 0.26 percentage points from the growth rate of output per unit of input. Costs of pollution abatement subtracted 0.15 points, costs of protecting safety and health of workers 0.07 points, and costs imposed by dishonesty and crime 0.05 points. From 1973 to 1975, the subtraction from the growth rate had reached 0.47 percentage points, with half the deduction due to pollution abatement. Estimates of this type are subject to substantial error, but it is not possible to appraise recent growth

experience without them. The data base for their computation needs to be strengthened.

These estimates refer to output per unit of input when output is measured by NI or NNP. The effects on the growth rate of output per unit of input would be about one-tenth smaller if output were measured gross of depreciation, that is, by gross national income or GNP.52 Although dollar costs of pollution abatement, protection of employee safety and health, and dishonesty and crime are the same in absolute terms, the percentage of gross output lost from diversion of resources is smaller because the value of gross output, the denominator in the percentage calculation, is larger by the value of depreciation.

Annual growth rates in 1948-69 were derived in Accounting for total output (measured by NI) in nonresidential business and for a number of related series. These rates included 3.7 percent for total output, 2.6 percent for output per person employed, 3.1 percent for output per hour worked, 2.1 percent for output per unit of input, and 1.4 percent for the index that measures the contribution of advances in knowledge and miscellaneous determinants to these growth rates. In the 1948-69 period, the reduction in all these rates that resulted from the effect on output per unit of input of changes in the three determinants examined in this article had been only 0.02 percentage points.⁵³ The transition to a situation in which, by 1975, the same determinants were deducting 0.5 percentage points has been a large drag upon the recent growth rate of all these measureslarge, that is to say, when compared with their growth rates in the past. Thus, costs arising from protection of the physical environment, protection of employee safety and health, and crime help to explain why all these rates have fallen in recent years. It is likely that costs imposed by other new governmental controls, including those intended to protect the health and pocketbooks of consumers and to minimize fuel imports, are responsible for an additional portion of the drop in growth rates, but estimates for these determinants are yet to be attempted.

Footnotes

- 1. Edward F. Denison, Accounting for United States Economic Growth 1929-1969, The Brookings Institution, Washington, D.C., 1974.
- Accounting, p. 62, table 6-1. Additional possible determinants were specifically estimated to have had no effect (p. 76).
- 3. Accounting, pp. 78-79.
- 4. The first two estimates cover the entire effect upon measured output per unit of input of changes in motor vehicles that were introduced to reduce air pollution and to make vehicles safer. As is explained later, this results in part because costly changes in vehicles reduce output per unit of input only if the vehicles are used by business, and in part because all of the costs of safety improvement on business-owned vehicles is included in the estimates for worker safety and health even though the public as well as worker-occupants of the vehicles may benefit.
- 5. Among the more important are probably legislation intended to protect consumers against dangerous products and deceptive practices, and controls intended to reduce dependence on foreign energy sources.
- 6. Complications caused by the difference between market price and factor cost values of output are discussed later.
- 7. For further explanation, see John E. Cremeans and Frank W. Segel, "National Expenditures for Pollution Abatement and Control, 1972," SURVEY OF CURRENT BUSINESS, February 1975.
- 8. Total input might change, for example, if provision for environmental protection raised total investment, and thereby the capital stock, by raising total capital needs of business, or if it lowered total investment by lowering profits. It could have increased total hours worked by improving health or reduced them by worsening real wages. If profits or investment were affected, this might in turn have changed the gap between actual and potential employment. None of these possible effects seem likely to be amenable to confirmation and measurement.
- 9. This statement needs expansion to cover one minor point. If the economy operates under increasing returns to scale, as the estimates in my broader study imply, a change in input changes output more than proportionally. The difference appears in output per unit of input in my main classification of growth sources, though not in an alternative classification. (See Accounting, pp. 113-114.) For those interested in relating this article to my broader study, I note that in neither classification are gains from economies of scale included in the residual series for "advances in knowledge and all other determinants" from which I seek to isolate the effects of pollution abatement.
- 10. Frank W. Segel and Gary L. Rutledge, "Capital Expenditures by Business for Air, Water, and Solid Waste Pollution Abatement, 1975 and Planned 1976," SURVEY, July 1976, pp. 14-17. Frank W. Segel, Gary L. Rutledge, and Frederick J. Dreiling, "Pollution Abatement and Control Expenditures, 1974," SURVEY, February 1977, pp. 14-16. Earlier articles describe concepts and some of the series more fully, but do not provide additional data; see SURVEY, July 1974, July 1975, February 1975, and February 1976. The June 1977 issue provides later data for capital outlays.
- 11. U.S. Department of Commerce, Bureau of the Census, Pollution Abatement Costs and Expenditures 1973, Pollution Abatement Costs and Expenditures 1974, and Pollution Abatement Costs and Expenditures 1975.
- 12. The same figures are variously described as in December 1974 dollars and in 1974 dollars.

 13. One other qualification is needed. As explained later all the REA data for environmental
- 13. One other qualification is needed. As explained later, all the BEA data for environmental expenditures exclude farming, real estate operators, and independent professional practitioners.
- 14. From 1972 to 1974 current-account expenditures increased 17 percent a year and the capital stock 20 percent. If a bias adjustment based on this experience were introduced and carried back to 1967, a reasonable alternative to simple extrapolation, the net result would be to raise the incremental cost estimates about \$200 million a year in the period from 1972 to 1974.
- 15. The CEQ data cited are for operating and maintenance costs for air and water pollution control in the private "industrial" and "utilities" categories. They are from CEQ's 6th Annual Report, pp. 534 and 564, and 7th Annual Report, pp. 145 and 167.
- 16. Source: table 3A of the 1973, 1974, and 1975 issues of the Census Bureau report, Pollution Abatement Costs and Expenditures. Census Bureau instructions informed respondents to its surveys that the item refers to "all payments to governmental units for sewerage service. Include payments to government for overstrength effluent charges, sewer district tax assessments, etc. Include sewage payments which are included in your local tax bill. Estimate if necessary."
- 17. The 1975 estimate for nonresidential business, \$362 million, compares with CEQ's published estimate of \$0.3 billion. CEQ 7th Annual Report, p. 145.
- 18. This estimate of \$1,036 million in 1974 compares with a figure of \$784 million for the same components that had been obtained earlier by the ACEB by adjustment of book depreciation, and that was included in the capital consumption allowance estimate of \$1,566 million shown in the February 1977 SURVEY, D. 15, table 1.
- 19. An estimate for 1975, not available from MVMA, was based on the change from 1974 in the price index and adjustments for costs of safety improvements and pollution controls.
- 20. The deduction was estimated as follows. The depreciated value in 1972 prices of used automobiles sold by business to consumers, after deduction of automobiles sold by consumers to business, was obtained from NIPA table 1.17. It was divided by 0.55 to secure an estimate of the value in 1972 prices before depreciation. The ratio of 0.55 is based on a 10-year service life and straight-line depreciation and an estimated average age of 4½ years when sold. To obtain the undepreciated value in 1972 prices of the pollution abatement devices in these cars, the undepreciated value of the cars was multiplied by the average, during the preceding 8 years, of the ratios (step e) of the value of the devices to the value of the cars. This would be the correct ratio if the cars sold were equally divided over the age range of 1 to 8 years.
- 21. U.S. Department of Commerce, Bureau of Economic Analysis, Fixed Nonresidential Business and Residential Capital in the United States, 1925-1975, June 1976, p. T-6.
- 22. No estimate was included for diesel-fueled trucks, for which the pollution abatement problem is quite different. EPA considers that costs of equipment for pollution abatement were nominal. EPA, The Cost of Clean Air, p. III-31.

- 23. EPA, The Cost of Clean Air, pp. III-15, 28. This was literally true only through 1974. Starting in 1975, standards were lower for trucks but I have been unable to find an estimate of the cost differential, if any, on 1975 models. See *Ibid.*, pp. III-6 to 9.
- 24. To maintain uniformity with the automobile estimates, the automobile price index is assumed to be appropriate for abatement costs of trucks, and was used to convert devices in trucks from one price level to another.
 - 25. SURVEY, February 1977, p. 15, table 1.
- 26. Census Bureau data are from Pollution Abatement Costs and Expenditures, (1973, 1974, and 1975 editions), table 3-A. Census Bureau instructions to respondents read as follows: "The estimate of costs recovered through abatement activities may have two parts: (1) The value of reclaimed materials or energy reclaimed... that were reused in production, and (2) revenue that was obtained from the sale of materials or energy reclaimed... Heat is an example of reclaimed energy. Value and revenue are net of any additional cost incurred for additional processing of materials or energy to make them reusable or salable." The Census Bureau did not report a 1972 figure. Its 1973 figure for manufacturing was only \$376 million but ACEB considered this too small relative to 1972 and 1974 on the basis of technical information and the impact of legislation in force at the time.
- 27. R. & D. not for pollution abatement would provide new knowledge of a different kind. Insofar as it would otherwise be of a type that would raise measured output per unit of input, productivity growth will eventually be adversely affected by diversion to pollution abatement R. & D., but the retardation will be in some future period.
- 28. The division of incremental costs between those valued at factor cost and those valued at market price is, obviously, an approximation but the combined ratio is not very sensitive to errors in this division. It would rise only to 1.045 percent even if all costs were compared with NI and fall only to 0.928 percent if all costs were compared with NNP.
- 29. This difference from the illustration in which 1967 was taken as 100 does not affect the definition or movement of the series.
- 30. Data are from U.S. Department of Labor, Bureau of Labor Statistics, Productivity Indexes for Selected Industries, 1976 Edition, Bulletin 1938, 1977.
- 31. For copper, I use the series in which output is measured by copper ore and, for iron, the series in which output is measured by usable ore.
- 32. See Business Week, January 27, 1975, p. 130; Coal Age, February 1973, p. 88; and U.S. Department of the Interior, Bureau of Mines, Mineral Facts and Problems, 1975 Edition, Bulletin 667, preprint "Bituminous Coal and Lignite," p. 10.
- 33. The influx of inexperienced workers was itself due indirectly to safety legislation because, with output increasing only modestly, only the adverse behavior of productivity resulting from the legislation made rapid employment expansion necessary. The need to hire new workers was intensified by requirements to replace experienced supervisors and miners who were hired as government safety inspectors. The new young workers were also active in wildcat strikes and were the cause of higher absenteeism. The cost of hiring new workers was itself raised by regulations that imposed safety training course requirements for new and reassigned workers.
- 34. A standard for asbestos fibers in the atmosphere was introduced in December 1971; standards for 14 carcinogens and for pesticides (the standard for the latter was promptly voided by the courts) in April and May 1973; for vinyl chloride in May 1974; and for a series of toxic substances during fiscal 1976.
- 35. Based on Robert Stewart Smith, The Occupational Safety and Health Act, Its Goals and Its Achievements, American Enterprise Institute for Public Policy Research, Washington, 1976, pp. 60-64.
- 36. Economics Department, McGraw-Hill Publications Company, 4th Annual McGraw-Hill Survey Investment in Employee Safety and Health, May 28, 1976, p. 4.
- 37. Murray L. Weidenbaum, Government-Mandated Price Increases, American Enterprise Institute for Public Policy Research, 1975, p. 51.
- 38. "Reducing Inflationary Pressures by Reforming Government Regulation," in William Fellner, Editor, Contemporary Economic Problems, American Enterprise Institute for Public Policy Research, 1976, p. 277.
- 39. These examples are cited by the Regulatory Policy Committee of the U.S. Department of Commerce in *Toward Regulatory Reasonableness*, January 13, 1977, p. 61.
- 40. In deriving such percentages for pollution abatement, it may be recalled, costs were divided between those best related to NNP and those best related to NI. This refinement was not attempted for safety and health, for which estimates are smaller and cruder, nor was it for dishonesty and crime, which is considered in part 4. Instead, all incremental costs were related to the measure that seemed more appropriate: NNP for safety and health (except the large mining component, for which the percentage was based on employment), and NI for dishonesty and crime.
- 41. The exception is costs of protection that firms provide for themselves.
- 42. Numbers shown are partly estimated, as footnotes to the table indicate. Estimated receipts of industries not separately reported amounted to one-fifth of the total in 1963 and 1967, and about one-third in 1964 and 1968. Receipts of component industries not separately reported in the earlier censuses were assumed to have moved like receipts of industries that were reported.
- 43. For example, if one-third of them were employed outside business service in both years, employment outside business service in the two occupations combined increased from 158,000 to 169,000. This is an increase of only 9 percent, which is less than the 16-percent increase in total business employment. Even an assumption that the percentage of policemen and detectives who were employed outside business service increased sharply would not do more than close the gap between the two percentages.
- 44. The series shown in the preceding table and the alternative series show irregular fluctuations that could be incorporated into the estimates. But I think they are more likely to reflect errors of estimate than reality and therefore ignore them.
- 45. Examination of the ratios suggests that the 1954 census may have understated receipts of detectives agencies. If so, my estimate of protection cost in 1957 is understated about one-fourth as much. Other years are unaffected.
- 46. U.S. Department of Commerce, Bureau of Domestic Commerce, The Cost of Crimes Against Business, January 1976, p. 2.

- 47. The President's Commission on Law Enforcement and Administration of Justice, Crime and Its Impact—An Assessment, U.S. Government Printing Office, 1967. U.S. Small Business Administration, Crime Against Small Business, Senate Document 91-14, 1969, p. 3.
- 48. When, as in my estimates, the value of output is measured as the sum of charges against national product, the inclusion of unrecovered cash losses in business transfer payments offsets the reduction that the losses cause in business profits. However, only \$121 million, less than 1 percent of the BDC figure for "all other" costs, is included in the NIPA transfer payment series in 1975. The BDC series surely implies a larger amount.
- 49. The weights of the three types, which simply reflect the numbers of crimes, have been fairly stable. They were, respectively, 29 percent, 60 percent, and 11 percent in 1960 and 32, 58, and 10 in 1975.
- 50. The number of index property crimes from 1960 onward is from Federal Bureau of Investigation, Crime in the United States 1975, Uniform Crime Reports, p. 49. The 1960 figure was extrapolated back to 1957 by an earlier series for the number of property crimes reported in
- the FBI's uniform crime reports. The source is U.S. Department of Commerce, Bureau of the Census, Historical Statistics of the United States Colonial Times to 1970, Series 958.
- 51. One check on a small segment of the index is provided by statistics from Underwriters' Laboratories (UL). From 1963 to 1967, the number of burglary attempts against UL-certificated business installations of alarms increased from 6.1 per 100 protected properties to 8.8, with more than one-half of the 4-year increase occurring from 1966 to 1967. (Crime Against Small Business, p. 23). My series shows an even greater concentration of the 1963-67 increase in costs occurring in 1966-67. (The 44-percent increase in attempts over the 4 years is much larger than the increase in my series for costs of crime, but burglaries are only part of crime costs.)
- 52. From 1972 to 1975, the ratio of NNP to GNP averaged 0.901 at market prices.
- 53. This calculation uses the 1957 index in table 15 for 1948. This seems reasonable, and it is unlikely that any different plausible assumption about crime costs would raise the figure above 0.03.

(Continued from page 18)

Sales and sales prices

Manufacturers expect their sales to increase 10 percent in 1978 (table 3). The actual increase in 1977 was 13 percent, compared with an expected

increase of 10½ percent. Trade firms expect an increase of 10½ percent; last year, they had a 10-percent increase, compared with an expected 9 percent. The corresponding figures for public utilities are 11, 19, and 14½ percent.

Information on price changes of goods and services sold by manufacturers and public utilities is shown in table 4. Manufacturers expect a larger sales price increase this year than last; utilities expect a smaller increase.

ERRATA

Corrections are shown here for certain items in the National Income and Product Tables published in the July 1977 Survey of Current Business. Additional corrections were published in the August and September Surveys.

Gross Nonfarm Business Product

Period	Fixed-weig index, 1 (Table 7.2	972=100	ceding per weighted	nge from pre- riod, fixed- price index , line 100)	ceding per	nge from pre- riod, chain index 9, line 99)
	Published	Correct	Published	Correct	Published	Correct
1973 1974 1975 1976 1973:IV	116. 4	104. 0 115. 5 127. 4 134. 5	4. 1 11. 9 9. 7 5. 5	4. 0 11. 1 10. 3 5. 6 9. 5	4. 1 11. 4 (*) (*) (*)	4. 0 10. 6 (*) (*) (*)
1974:I 1974:II 1974:III 1974:IV	110. 5 114. 4 118. 1 121. 8	109. 5 113. 7 117. 3 120. 8	15. 5 14. 8 13. 7 12. 9	10. 5 16. 4 13. 3 12. 2	(*) (*) (*) (*)	(*) (*) (*) (*)
1975:I	124. 7 126. 3 128. 4 130. 2	124. 2 126. 0 128. 1 130. 0	9. 8 5. 4 6. 7 5. 7	11. 8 5. 9 6. 9 6. 1	(*) (*) (*) (*)	(*) (*) (*) (*)
1976:I 1976:II 1976:III 1976:IV	131. 7 133. 3 135. 2 137. 2	131. 6 133. 0 134. 9 137. 1	(*) 5. 0 5. 5 6. 2	(*) 4. 4 5. 9 6. 7	(*) (*) (*) (*)	(*) (*) (*) (*)
1977:I	139. 4 141. 9	139. 0 141. 6	6. 5 7. 2	5. 8 7. 5	(*)	(*)

^{*}Correct as published.

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CURRENT BUSINESS STATISTICS

THE STATISTICS here update series published in the 1975 edition of Business Statistics, biennial statistical supplement to the Survey of Current Business. That volume (available from the Superintendent of Documents for \$6.80) provides a description of each series, references to sources of earlier figures, and historical data as follows: For all series, monthly or quarterly, 1971 through 1974 (1964–74 for major quarterly series), annually, 1947–74; for selected series, monthly or quarterly, 1947–74 (where available). Series added or significantly revised after the 1975 Business Statistics went to press are indicated by an asterisk (*) and a dagger (†), respectively. Unless otherwise noted, revised monthly data for periods not shown herein corresponding to revised annual data are available upon request.

The sources of the data are given in the 1975 edition of Business Statistics; they appear in the main descriptive note for each series, and are also listed alphabetically on pages 187-88. Statistics originating in Government agencies are not copyrighted and may be reprinted freely. Data from private sources are provided through the courtesy of the compilers, and are subject to their copyrights.

	1974	1975	1976	1974		19	75			19	76			19	77	
Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Aı	nnual tota	al	IV	ı	II	111	IV	I	ıı	III	IV	I	II	ш	IVP
							Seas	onally a	djusted o	quarterly	totals at	annual i	rates			

GENERAL BUSINESS INDICATORS—Quarterly Series

NATIONAL INCOME AND PRODUCT†																
Gross national product, total†bil.\$	1, 412. 9	1, 528.8	1, 706. 5	1, 452. 4	1, 4 53. 9	1, 496. 6	1, 564. 9	1, 600. 7	i, 6 51. 2	1 ,691. 9	1,727.3	1, 755. 4	., 810. 8	1,869.9	1,915.9	1, 965. 1
Personal consumption expenditures, totaldo	889.6	980.4	1,094.0	9 16. 2	936. 5	965.9	995.1	1,024.1	1,056.0	1, 078. 5	1, 102. 2	1, 139. 0	1, 172, 4	1, 194. 0	1,218.9	1, 255. 3
Durable goods, total 9	122. 0	132, 9	158. 9	118. 7	122. 8	127. 8	136. 7	144.3	153, 3	156. 7	159. 3	166. 3	177. 0	178. 6	177. 6	184. 6
	48. 0	53, 9	71. 9	44. 8	48. 0	49. 9	56. 5	61.3	68, 8	71. 0	72. 1	75. 7	85. 3	84. 5	81. 2	84. 1
	54. 9	58, 0	63. 9	54. 7	54. 8	57. 4	58. 7	61.0	62, 0	63. 0	63. 9	66. 5	67. 4	69. 3	70. 9	73. 9
Nondurable goods, total ♀ do. Clothing and shoes. do. Food	376. 3	409, 3	442.7	388. 5	394. 0	406. 4	415.0	421. 9	430. 4	437. 1	444. 7	458. 8	466. 6	474. 4	481. 8	497. 7
	65. 3	70, 2	76.3	65. 0	66. 6	69. 8	71.5	73. 0	74. 2	74. 3	76. 9	79. 9	79. 3	80. 4	83. 3	87. 5
	189. 8	209, 5	225.5	198. 1	202. 6	207. 9	212.1	215. 4	219. 3	223. 9	227. 0	232. 0	237. 9	244. 8	248. 3	254. 2
	36. 4	39, 1	41.4	39. 2	38. 2	39. 7	39.1	39. 8	40. 6	40. 3	41. 2	43. 5	44. 1	44. 3	44. 2	46. 4
Services, total Q do. Household operation do. Housing do. Transportation do.	391. 3	438. 2	492.3	408. 9	419.7	431. 7	443. 4	457. 9	472. 4	484. 6	498. 2	513. 9	528. 8	541. 1	559. 5	572.9
	56. 1	64. 2	73.0	59. 3	61.4	63. 7	65. 3	66. 3	69. 5	70. 4	73. 1	78. 8	80. 7	79. 2	85. 2	87.2
	136. 5	150. 8	167.9	141. 7	145.1	148. 5	152. 4	157. 2	161. 5	166. 2	170. 4	173. 7	177. 6	181. 9	186. 7	191.6
	30. 7	32. 2	36.8	31. 6	31.6	31. 6	32. 2	33. 2	34. 8	36. 3	37. 6	38. 7	39. 5	40. 5	42. 3	43.1
Gross private domestic investment, totaldo	214. 6	189. 1	243, 3	210, 4	175. 1	171.2	205. 4	204.7	231.3	244.4	254. 3	243. 4	271.8	294.9	303. 6	307.0
Fixed investment do. Nonresidential do. Structures do. Producers' durable equipment do.	205. 7	200. 6	230. 0	203 6	197. 1	196. 3	200. 5	208. 4	216. 8	226. 1	232. 8	244. 3	258. 0	273. 2	280. 0	295. 1
	150. 6	149. 1	161. 9	153, 2	149. 8	147. 7	148. 2	150. 7	155. 4	159. 8	164. 9	167. 6	177. 0	182. 4	187. 5	195. 5
	54. 5	52. 9	55. 8	55, 6	53. 3	51. 9	52. 8	53. 4	54. 7	55. 8	56. 0	57. 0	57. 9	61. 0	62. 6	64. 9
	96. 2	96. 3	106. 1	97, 5	96. 5	95. 7	95. 4	97. 4	100. 8	104. 0	109. 0	110. 6	119. 2	121. 4	124. 9	130. 7
Residential do Change in business inventories do Nonfarm do	55. 1	51. 5	68. 0	50. 5	47.3	48. 6	52.3	57. 6	61, 4	66. 3	67. 8	76. 7	81. 0	90, 8	92. 5	99, 5
	8. 9	-11. 5	13. 3	6. 8	-22.0	-25. 1	4.9	-3. 6	14, 5	18. 3	21. 5	9	13. 8	21, 7	23. 6	11, 9
	10. 8	-15. 1	14. 9	10. 7	-25.9	-26. 9	1.4	-9. 2	15, 9	20. 4	22. 0	1. 4	14. 1	22, 4	23. 1	10, 4
Net exports of goods and servicesdo Exportsdo Importsdo	6. 0	20. 4	7. 8	8, 2	15. 4	24. 3	20. 8	20.8	10, 2	10. 2	7. 9	3. 0	-8. 2	-9.7	-7.5	-10.8
	137. 9	147. 3	162. 9	150, 5	147. 4	142. 7	146. 9	152.1	153, 9	160. 6	168. 4	168. 5	170. 4	178.1	179.9	174.3
	131. 9	126. 9	155, 1	142, 3	131. 9	118. 3	126. 1	131.3	143, 7	150. 4	160. 6	165. 6	178. 6	187.7	187.4	185.1
Govt. purchases of goods and services, total.do	302. 7	338. 9	361. 4	317. 5	326. 0	335. 2	343. 5	351. 0	353. 6	358. 9	363. 0	370. 0	374. 9	390. 6	400. 9	413. 6
Federaldo.	111. 1	123. 3	130. 1	116. 9	119. 6	121. 8	123. 8	128. 1	127. 6	128. 5	130. 2	134. 2	136. 3	143. 6	148. 1	153. 8
National defensedo.	77. 0	83. 9	86. 8	79. 6	81. 6	83. 0	84. 4	86. 7	86. 3	86. 0	86. 4	88. 4	89. 7	93. 4	95. 6	98. 6
State and localdo.	191. 5	215. 6	231. 2	200. 7	206. 4	213. 3	219. 7	222. 9	225, 9	230. 4	232. 7	235. 8	238. 5	247. 0	252. 9	259. 8
By major type of product:† Final sales, total	1, 404. 0	1, 540, 3	1, 693. 1	1, 445. 5	1, 475, 0	1, 521. 7	1, 506. 6	1, 604. 4	1, 636. 7	1, 673. 7	1, 705, 8	1, 756. 3	1, 797. 0	1, 848. 2	1,892.2	1, 953. 2
	629. 7	697, 7	750. 9	643. 7	665, 8	692. 9	706. 6	725. 2	730. 0	743. 4	754, 5	775. 6	792. 1	805. 4	819.9	849. 6
	240. 8	267, 5	299. 3	241. 3	250, 6	263. 8	272. 5	283. I	287. 6	294. 9	302, 7	312. 0	326. 6	329. 5	332.1	344. 9
	389. 0	430, 2	451. 6	402. 3	415, 2	429. 1	434. 2	442. 1	442. 4	448. 5	451, 8	463. 6	465. 6	475. 9	487.8	504. 8
	626. 8	699, 2	782. 0	656. 7	670, 5	689. 5	708. 4	728. 3	751. 6	770. 8	791, 8	813. 8	833. 7	855. 3	881.6	903. 1
	147. 4	143, 5	160. 2	145. 1	138, 8	139. 3	145. 0	150. 8	155. 0	159. 4	159, 6	166. 9	171. 2	187. 5	190.7	200. 4
Change in business inventories	8.9	-11.5	13, 3	6.8	-22, 0	-25, 1	4.9	-3.6	14. 5	18. 3	21. 5	9	13. 8	21, 7	23. 6	11. 9
	7.1	-9.2	4, 1	12.2	-12, 8	-11, 7	-2.1	-10.3	-2. 0	7. 0	10. 7	.6	7. 8	11, 5	10. 3	5. 5
	1.8	-2.2	9, 3	-5.4	-9, 2	-13, 4	7.0	6.7	16. 6	11. 2	10. 9	-1.6	6. 0	10, 2	13. 4	6. 4
GNP in constant (1972) dollars†							İ ,									
Gross national product, total†bil.\$	1, 217. 8	1, 202. 1	1, 274. 7	1, 199. 7	1, 169. 8	1, 188. 2	1, 220. 7	1, 229. 8	1, 25 6. 0	1, 271. 5	1, 283. 7	1, 287. 4	1, 311. 0	1, 330. 7	1,347.4	1, 361. 4
Personal consumption expenditures, totaldo	760.7	775. 1	821.3	752, 9	756. 9	770.4	780. 2	792.8	807.2	815.5	822.7	839.8	850.4	854.1	860.4	876. 4
Durable goods do Nondurable goods do Services do	112. 5	112, 7	127, 5	104. 3	106, 2	109, 0	115, 4	120. 2	125, 4	126. 7	127. 1	130. 7	136, 9	137. 9	136. 5	140. 8
	303. 9	307, 6	321, 6	301. 2	301, 8	308, 4	308, 6	311. 5	316, 1	319. 3	321. 5	329. 7	329, 7	330. 0	332. 4	340. 9
	344. 3	354, 8	372, 2	347. 4	349, 0	353, 0	356, 2	361. 2	365, 6	369. 6	374. 0	379. 7	383, 8	386. 3	391. 4	394. 7
Gross private domestic investment, totaldo	183. 6	141.6	173.0	170. 6	133. 0	130. 9	153, 1	149, 2	168.1	175, 2	179. 4	169. 2	186. 7	197. 2	200.8	197.6
Fixed investment do. Nonresidential do. Residential do. Change in business inventories do.	175. 6	151, 5	164. 5	163. 8	152, 9	148. 9	150, 2	153, 8	158. 4	163. 1	165. 6	171. 0	177. 0	184. 0	185. 1	190. 0
	130. 6	112, 7	116. 8	124. 1	116, 6	112. 0	111, 0	111, 3	113. 7	115. 9	118. 5	119. 0	124. 3	126. 4	127. 6	130. 2
	45. 0	38, 8	47. 7	39. 7	36, 3	36. 9	39, 3	42, 6	44. 8	47. 1	47. 1	52. 0	52. 7	57. 6	57. 5	59. 8
	8. 0	-9, 9	8. 5	6. 8	-20, 0	-18. 0	2, 9	-4, 6	9. 7	12. 1	13. 8	-1. 8	9. 7	13. 2	15. 7	7. 7
Net exports of goods and servicesdo	15. 9	22.5	16.0	17.9	20, 5	24.5	22.7	22, 3	16.8	16. 4	17.0	13.8	10.6	9.4	12. 2	10, 6
Govt. purchases of goods and services, total.do Federal	257. 7	263. 0	264. 4	258. 3	259. 4	262. 3	264. 8	265. 4	263. 9	264. 5	264. 6	264. 6	263. 3	270, 0	274. 0	276. 8
	95. 8	96. 7	96. 5	95. 7	96. 0	96. 5	96. 9	97. 4	96. 4	96. 1	96. 7	97. 1	97. 0	101, 1	103. 3	104. 1
	161. 8	166. 3	167. 9	162. 6	163. 4	165. 8	167. 8	168. 0	167. 5	168. 4	168. 0	167. 5	166. 4	168, 9	170. 7	172. 8

r Revised. r Preliminary. †Revised series. Estimates of national income and product and personal income have been revised back to 1973 (see p. 16 ff. of the July 1977 SURVEY);

revisions prior to May 1976 for personal income appear on p. 28 of the July 1977 Survey. Q Includes data for items not shown separately.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1974	1975	1976		19	75			19	976			19	77		1978
the 1975 edition of BUSINESS STATISTICS	A	nnual tota	al	I	II	III	IV	I	п	III	IV	I	II	III	IVP	I
GENER	AL B	USINI	ESS J	NDIC	CATO	RS—	Quart	erly S	Series	—Cor	ntinu	ed	'	<u> </u>	<u>'</u>	<u>!</u>
NATIONAL INCOME AND PRODUCT†—Con.																
Quarterly Data Seasonally Adjusted																
Implicit price deflators:† Gross national product Index, 1972=100 Personal consumption expenditures do Durable goods do Nondurable goods do Services do Gross private domestic investment: Fixed investment do Gross private domestic investment:	116. 02 116. 9 108. 4 123. 8 113. 6	127. 18 126. 5 117. 9 133. 1 123. 5	133. 88 133. 2 124. 7 137. 7 132. 3	124. 21 123. 7 115. 6 130. 6 120. 3	125. 96 125. 4 117. 2 131. 8 122. 3	128. 28 127. 5 118. 4 134. 5 124. 5	130. 17 129. 2 120. 1 135. 5 126. 8	131. 47 130. 8 122. 2 136. 2 129. 2	133. 06 132. 3 123. 8 136. 9 131. 1 138. 6	134. 56 134. 0 125. 3 138. 3 133. 2	136. 35 135. 6 127. 2 139. 3 135. 4	138. 13 137. 9 129. 3 141. 5 137. 8	140. 52 139. 8 129. 5 143. 8 140. 1	142. 19 141. 7 130. 1 144. 9 142. 9	144. 34 143. 2 131. 2 146. 0 145. 1	
Nonresidential do Residential do	115. 3 122. 3	132. 3 132. 8	138. 7 142. 5	128. 5 130. 3	131. 8 131. 7	133, 6 133, 2	135. 5 135. 4	136. 8 137. 1	137. 8 140. 7	139. 2 144. 1	140. 9 147. 5	142. 5 153. 7	144. 4 157. 6	146, 9 160, 9	150, 2 164, 0	
Govt. purchases of goods and servicesdo Federaldo State and localdo	117. 5 115. 9 118. 4	128. 9 127. 5 129. 7	136. 7 134. 8 137. 7	125, 7 124, 5 126, 3	127. 8 126. 3 128. 6	129. 7 127. 7 130. 9	132. 3 131. 5 132. 7	134. 0 132. 4 134. 9	135. 7 133. 7 136. 8	137. 2 134. 7 138. 6	139. 8 138. 2 140. 7	142.3 140.6 143.4	144. 6 142. 0 146. 2	146, 3 143, 3 148, 1	149. 4 147. 8 150, 4	
Quarterly Data Seasonally Adjusted at Annual Rates						}										
National income, total†bil. \$		1, 217. 0	1,364.1	1,156.0	1,191.4	1,244.9	1,275.7	1,321.0	1,353.9	1,379.6		1, 450. 2	1	1,540.5		
Compensation of employees, total	875.8 764.1 160.0 604.1 111.7	930. 3 805. 7 175. 4 630. 3 124. 6	1, 036. 3 891. 8 187. 2 704. 7 144. 5	904. 6 785. 1 169. 8 615. 2 119. 6	914. 4 792. 4 173. 7 618. 6 122. 1	936. 7 810. 5 176. 9 633. 5 126. 3	965. 6 834. 9 181. 2 653. 8 130. 7	999. 6 861. 5 182. 7 678. 8 138. 1	1, 024, 9 882, 4 185, 4 697, 0 142, 5	1, 046. 5 900. 2 188. 2 712. 0 146. 3	1, 074. 2 923. 2 192. 5 730. 7 150. 9	1, 109. 9 951. 3 194. 8 756. 4 158. 6	1, 144.7 980.9 197.2 783.6 163.8	1,167.4 998.9 200.6 798.3 168.5		
and capital consumption adjustments, total bil. \$ Farm do. Nonfarm do. Rental income of persons with capital consumption adjustment bil. \$	86. 2 25. 4 60. 9 21. 4	86. 0 23. 2 62. 8 22, 3	88. 0 18. 6 69. 4 23. 3	78. 9 18. 3 60. 6	84. 3 22. 7 61. 6 22. 3	90. 4 26. 2 64. 2 22. 2	90. 4 25. 5 64. 9 22. 6	86. 9 20. 0 66. 9 23. 0	90. 4 21. 6 68. 8 22. 9	86. 2 16. 2 70. 0 23. 3	88. 7 16. 6 72. 0 24. 1	95. 1 20. 7 74. 3 24. 5	97. 0 19. 7 77. 3 24. 9	95. 5 15. 5 80. 0 25. 5		
Corp. profits with inventory valuation and capital consumption adjustments, totalbil. \$	83. 6	99. 3	128. 1	74.0	92, 7	115.6	114.7	126.5	129, 2	133, 5	123. 1	125, 4	140.2	149.0		
Corp. profits with invent. val. adj.: Domestic, total	76. 9 14. 4 62. 5 36. 6 11. 5	105. 4 15. 0 90. 3 47. 9 18. 5	134. 6 18. 2 116. 4 66. 3 29. 9	77. 2 15. 1 62. 1 29. 4 9. 0	98. 4 14. 3 84. 1 43. 4 15. 4	122. 6 14. 7 107. 9 59. 6 25. 9	123. 2 16. 1 107. 1 59. 1 23. 8	132. 4 17. 8 114. 6 65. 3 27. 2	136. 1 18. 1 118. 0 68. 7 32. 5	139. 8 18. 4 121. 3 68. 4 31. 0	130. 2 18. 4 111. 8 62. 9 29. 0	131. 0 19. 2 111. 8 65. 2 31. 5	145. 5 19. 9 125. 5 76. 4 39. 4	157. 4 21. 2 136. 1 77. 6 37. 5		
Transportation, communication, and electric, gas, and sanitary servbil. \$Rest of the worlddo	5. 6 9. 6	9. 3 6. 1	11. 5 8. 1	5, 3 6, 0	8. 5 6. 2	11. 1 6. 3	12. 1 6. 9	11. 1 8. 6	12. 1 7. 6	12. 2 8. 4	10. 4 7. 7	11. 6 10. 1	11, 5 10, 7	14. 1 9. 6		
Profits before tax, total do Profits tax liability do Profits after tax do Dividends do Undistributed profits do	126. 9 52. 4 74. 5 31. 0 43. 6	123. 5 50. 2 73. 4 32. 4 41. 0	156. 9 64. 7 92. 1 35. 8 56. 4	101, 5 40, 8 60, 8 32, 0 28, 8	113. 9 45. 9 68. 2 32. 2 36. 0	137. 7 56. 3 81. 4 32. 9 48. 5	141. 0 57. 9 83. 1 32. 5 50. 6	153. 5 63. 1 90. 4 33. 6 56. 8	159. 2 66. 1 93. 1 35. 0 58. 1	159. 9 65. 9 94. 0 36. 0 58. 0	154. 8 63. 9 90. 9 38. 4 52. 5	161. 7 64. 4 97. 2 38. 5 58. 8	174. 0 69. 7 104. 3 40. 3 64. 1	173. 8 69. 3 103. 6 43. 3 61. 2	43. 6	
Inventory valuation adjustment do Capital consumption adjustment do Net interest do	$ \begin{array}{c c} -40.4 \\ -2.9 \\ 69.0 \end{array} $	$ \begin{array}{c c} -12.0 \\ -12.2 \\ 79.1 \end{array} $	-14.1 -14.7 88.4	-18.3 -9.2 76.4	-9.3 -11.9 77.6	-8.8 -13.3 79.9	-11.8 -14.5 82.3	-12.4 -14.6 85.0	-15.5 -14.6 86.5	-11.7 -14.7 90.1	-16.9 -14.8 92.0	-20.6 -15.6 95.3	-17.8 -15.9 98.9	-5.9 -17.9 103.1	-19.4	
DISPOSITION OF PERSONAL INCOME	05.0	""	00.1	70.4	11.0	13, 3	02.3	30.0	30.5	50.1	32.0	90. 3	30.3	103.1	106.4	
Personal income, total	1,154.9 170.3 984.6 913.0 71.7	1, 253. 4 169. 0 1, 084. 4 1, 004. 2 80. 2	1,382.7 196.9 1,185.8 1,119.9 65.9	1,205.1 179.6 1,025.4 960.1 65.4	1,234.7 142.5 1,092.2 989.1 103.1	1,269.7 173.9 1,095.7 1,019.1 76.7	1,304.0 179.9 1,124.1 1,048.6 75.5	1,338.1 184.8 1, 153.3 1, 080.9 72.4	1,366.7 192.6 1,174.1 1,103.8 70.3	1,393.9 200.6 1,193.3 1,128.5 64.8	1,432.2 209.5 1,222.6 1,166.3 56.3	1, 476. 8 224. 4 1, 252. 4 1, 201. 0 51. 4	1, 517. 2 224. 8 1, 292. 5 1, 223. 9 68. 5	1,549.8 226.1 1,323.8 1,250.5 73.3	1,600,5 234.6 1,365.9 1,288.1 77.8	
NEW PLANT AND EQUIPMENT EXPENDITURES						:				}						
Unadjusted quarterly or annual totals: All industries	112. 40 46. 01 22. 62 23. 39	112. 78 47. 95 21. 84 26. 11	120, 49 52, 48 23, 68 28, 81	25, 82 10, 84 5, 10 5, 74	28. 43 12. 15 5. 59 6. 55	27. 79 11. 67 5. 16 6. 51	30. 74 13. 30 5. 99 7. 30	25. 87 10. 96 4. 78 6. 18	29. 70 12. 66 5. 61 7. 05	30. 41 13. 48 6. 02 7. 46	34. 52 15. 38 7. 27 8. 12	29. 20 12. 52 5. 80 6. 72	33. 73 14. 84 6. 79 8. 06	34, 82 15, 20 7, 17 8, 43	1 39, 27 18, 05 8, 49 9, 56	1 32, 85 14, 26 6, 75 7, 51
Nonmanufacturing do. Mining do. Railroad do. Air transportation do. Other transportation do.	66, 39 3, 18 2, 54 2, 00 2, 12	64. 82 3. 79 2. 55 1. 84 3. 18	68. 01 4. 00 2. 52 1. 30 3. 63	14. 98 . 91 . 59 . 44 . 62	16. 28 . 97 . 71 . 47 . 77	16. 12 . 94 . 62 . 50 . 85	17. 44 . 97 . 62 . 43 . 93	14, 91 . 92 . 49 . 26 . 72	17. 04 . 99 . 68 . 42 1. 02	16. 93 1. 04 . 64 . 26 . 95	19. 14 1. 05 .70 .35 .94	16. 68 1. 02 . 59 . 33 . 61	18.88 1.16 .67 .43 .76	19. 21 1. 17 . 78 . 39 . 50	21, 22 1, 10 .86 .52 .54	18. 58 1. 11 . 83 . 49 . 39
Public ultilities do. Electric	20. 55 17. 63 2. 92 13. 96 22. 05	20. 14 17. 00 3. 14 12. 74 20. 60	22. 28 18. 80 3. 47 13. 30 20. 99	4. 42 3. 84 . 58 3. 11 4. 88	4. 94 4. 15 . 79 3. 22 5. 19	5. 07 4. 16 . 91 3. 14 5. 00	5. 70 4. 85 . 85 3. 26 5. 52	4. 79 4. 18 . 62 2. 92 4. 82	5. 50 4. 74 . 76 3. 21 5. 21	5, 52 4, 54 . 98 3, 33 5, 19	6. 46 5, 34 1. 12 3. 84 5. 78	5, 55 4, 78 . 77 3, 30 5, 27	6. 37 5. 34 1. 03 3. 86 5. 64	6. 61 5. 41 1. 20 4. 03 5. 73	7. 61 6. 21 1. 40 2 10. 59	6, 28 5, 38 , 90 2 9, 48
Seas. adj. qtrly. totals at annual rates: All industries					112. 46 48. 78 22. 59 26. 19	112. 16 47. 39 21. 01 26. 38	111. 80 46. 82 21. 07 25. 75	114. 72 49. 21 21. 63 27. 58	118. 12 50. 64 22. 54 28. 09	122. 55 54. 78 24. 59 30. 20	125, 22 54, 44 25, 50 28, 93	130. 16 56. 43 26. 30 30. 13	134, 24 59, 46 27, 26 32, 19	140, 38 63, 02 29, 23 33, 79	1142, 38 64, 42 29, 88 34, 54	¹ 146, 26 64, 14 30, 46 33, 68
Nonmanufacturing do Mining do Go Railroad do Air transportation do Other transportation do Go Go Go Go Go Go Go Go Go Go Go Go Go				65. 52 3. 76 2. 39 2. 09 2. 82	63. 68 3. 78 2. 70 1. 60 2. 75	64. 76 3. 82 2. 75 2. 12 2. 99	64. 98 3. 82 2. 39 1. 65 3. 56	65. 51 3. 83 2. 08 1. 18 3, 29	67. 48 3. 83 2. 64 1. 44 4. 16	67. 76 4. 21 2. 69 1. 12 3. 44	70. 78 4. 13 2. 63 1. 41 3. 49	73. 74 4. 24 2. 71 1. 62 2. 96	74. 78 4. 49 2. 57 1. 43 2. 96	77. 96 4. 74 3. 20 1. 69 1. 96	82. 12 4. 30 3. 18 2. 01 1. 98	82. 12 4. 61 3. 80 2. 39 1. 83
Public utilities do Electric do Gas and other do Communication do Commercial and other do do				20, 28 17, 03	19, 52 16, 41 3, 11 12, 50 20, 83	19. 79 16. 58 3. 21 12. 95 20. 34	20. 91 17. 92 3. 00 12. 22 20. 44	21. 91 18. 56 3. 36 12. 54 20. 68	21. 85 18. 82 3. 03 12. 62 20. 94	21, 67 18, 22 3, 45 13, 64 20, 99	23. 46 19. 49 3. 96 14. 30 21. 36	25, 35 21, 19 4, 16 14, 19 22, 67	25, 29 21, 14 4, 16 15, 32 22, 73	26. 22 1. 90 4. 32 16. 40 23. 14	27, 41 22, 60 4, 31 2 39, 09	28, 72 23, 81 4, 91 240, 76

r Revised. p Preliminary. 1 Estimates (corrected for systematic biases) for Oct.—Dec. 1977 and Jan.—Mar. 1978 based on expected capital expenditures of business. Expected expenditures for the year 1977 appear on p. 24 of the Dec. 1977 SURVEY. 2 Includes communication. See corresponding note on p. S-1. 2 Includes data for items not shown expenditures. Personal outlays comprise personal consumption expenditures, interest paid

by consumers to business, and personal transfer payments to foreigners (net). §Personal saving is excess of disposable income over personal outlays. ¶Data for individual durable and nondurable goods industries components appear in the Mar., June, Sept., and Dec. issues of the SURVEY.

Jnless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1974	1975	1976	1974		19	75			19	76		 	197	7 2	
the 1975 edition of BUSINESS STATISTICS	A	nnual tota	al	IV	I	II II	111	IV	I	II	ш	IV	I	11	III	IV
GENER	AL B	USINI	ESS I	NDIC	ATO	RS—	Quart	erly S	Series-	-Con	tinue	ed				
U.S. INTERNATIONAL TRANSACTIONS																
Quarterly Data Are Seasonally Adjusted (Credits +; debits -)																
Exports of goods and services (excl. transfers under military grants)mil. \$ Methandise, adjusted, excl. military do Transfers under U.S. military agency sales con-	138, 303 98, 306	147, 600 107, 088	114, 694	37, 668 26, 601	36, 907 27, 018	35, 719 25, 851	36, 780 26, 562	38, 195 27, 657	38, 591 27, 000	40, 237 28, 380	42, 196 29, 603	42, 243 29, 711	43, 074 29, 458	44, 951 30, 590	45, 402 30, 869	
tracts mil. \$ Receipts of income on U.S. assets abroad do Other services do	2, 952 19, 763 17, 281	3, 919 17, 330 19, 263	5, 213 21, 369 21, 990	850 5, 584 4, 633	924 4, 283 4, 682	874 4,306 4,688	957 4, 403 4, 858	1, 164 4, 338 5, 036	1, 095 5, 298 5, 198	1, 189 5, 167 5, 501	1,472 5,483 5,638	1, 457 5, 421 5, 654	1,845 6,133 5,638	1, 714 6, 660 5, 987	2,008 6,430 6,095	
mports of goods and services	-103,673 -5,035	-98, 043 -4, 795		-36,713 -27,996 -1,319	-34,199 -25,563 -1,317 -3,052	-30,688 -22,566 -1,185 -2,799	-32,645 -24,483 -1,096 -2,784	-33,906 -25,431 -1,198 -2,741	-37,039 -28,343 -1,160 -2,861	-38.732 -29,955 -1,228 -2,887	-41,321 $-32,411$ $-1,237$ $-2,816$	-42,580 $-33,305$ $-1,222$ $-2,997$	-46,069 -36,561 -1,329 -2,881	-48,340 -38,347 -1,403 -3,156	-48,352 -38,378 -1,431 -3,215	
Ú.S. mil. \$. Other services do	-16, 416	-17, 221	-19,247	-4, 369	-4, 267	-2,799 -4,138	-4, 282	-4, 536	-4, 675	-4,662	-4 , 857	-5, 056	-5, 298	-5, 434	-5, 326	
Juliateral transfers (excl. military grants), net mil. \$ U.S. Government grants (excl. military)do Otherdo	-7, 188 -5, 475 -1, 714	-4,612 -2,893 -1,719	-3.146	-1,098 -660 -438	-1, 195 -753 -442	-1, 110 -718 -392	-1,070 -617 -453	-1, 238 -805 -433	-1, 029 -544 -485	-1,015 -556 -459	-1,936 -1,475 -461	-1,045 -572 -473	-1,163 -637 -526	-1, 215 -723 -492	-1, 352 -785 -567	
J.S. assets abroad, net. do. U.S. official reserve, net. do. U.S. Gov't, other than official reserve, net. do. U.S. private, net. do. Direct investments abroad do.	-27, 029 -1, 434 365 -25, 960 -1, 368	-607 $-3,463$	-42,959 -2,530 -4,213 -36,216 -4,596	-10,023 137 -937 -9,223 -2,980	-8, 749 -325 -874 -7, 550 -2, 193	-7,881 -29 -867 -6,985 -2,292	-3, 081 -342 -745 -1, 994 527	-11,836 89 -977 -10,948 -2,306	-10,751 -773 -723 -9,254 -2,427	-9,779 -1,578 -944 -7,257 -142	-8,409 -407 -1,405 -6,597 -1,205	-14,022 228 -1,142 -13,108 -822	331 -388 -909 1,627 -404	-10,283 6 -825 -9,464 -1,998	-3, 396 151 -1, 175 -2, 372 -1, 100	
Foreign assets in the U.S., net. do. Foreign official, net do. Other foreign, net do. Direct investments in the U.S. do.	33, 612 10, 981 22, 631 3, 695	14, 336 6, 960 7, 376 1, 414	34, 520 17, 945 16, 575 2, 176	9, 162 4, 256 4, 906 759	2, 443 3, 452 -1, 009 93	3, 663 2, 279 1, 384 526	2, 416 -1, 603 4, 019 -342	5, 814 2, 832 2, 982 1, 137	6, 856 3, 847 3, 009 709	7, 385 4, 051 3, 333 504	8, 201 3, 070 5, 131 561	12, 079 6, 977 5, 102 403	2,510 5,719 -3,209 537	13, 781 7, 908 5, 873 568	12, 923 8, 243 4, 680 511	
Allocation of special drawing rights do	-1,555	5,660	9,866	1,004	4, 793	297	-2, 400	2,971	3, 372	1,905	1, 268	3, 325	1,317	1, 106	-5, 225	
Memoranda:							2 070	0.000			0.000	0.504	7 100	7 757	7 500	
Balance on merchandise trade do. Balance on goods and services do. Balance on goods, services, and remittances do. Balance on current account do.	2, 160 447	9, 045 16, 164 14, 444 11, 552	-9, 320 3, 596 1, 719 -1, 427	-1, 395 955 517 -143	1, 455 2, 708 2, 266 1, 513	3, 285 5, 031 4, 639 3, 921	2, 079 4, 135 3, 682 3, 065	2, 226 4, 289 3, 856 3, 051	-1, 343 1, 552 1, 067 523	-1, 575 1, 505 1, 046 490	-2,808 875 414 -1,061	-3,594 -337 -810 -1,382	-7, 103 -2, 995 -3, 521 -4, 158	-7, 757 -3, 389 -3, 881 -4, 604	-7, 509 -2, 950 -3, 517 -4, 302	
Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	15	076						19)77					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
(GENE	RAL F	BUSIN	NESS	INDI	CAT	ORS-	-Mon	thly	Series						
PERSONAL INCOME BY SOURCE†																
Seasonally adjusted, at annual rates:† Total personal incomebil. \$	1,253.4	1,382.7	1,432.1	1,450.2	1,454.3	1,477.0	1,499.1	1,510.1	1,517.3	1,524.3	1,539.2	1,549.0	1,561.3	1,583.8	71,599.6	1, 61
Wage and salary disbursements, total do Commodity-producing industries, total do Manufacturing do. Distributive industries do	805. 7 275. 0 211. 0 195. 4	891. 8 308. 5 238. 2 217. 1	923, 9 318, 5 245, 8 226, 1	931. 7 321. 1 248. 2 228. 9	937. 3 320. 5 250. 3 231. 4	951, 7 328, 7 255, 3 235, 5	964. 9 337. 6 260. 7	974. 1 341. 7 262. 8	982, 0 345, 3 266, 2	986. 5 349. 1 268. 7 240. 9	992. 9 350. 6 269. 8 242. 8	997. 9 345. 5 269. 2	1,006.0 352.9 271.1	r1,022.1 r 358. 1 r 275. 3	71,027.8 7 361.0 7 277.5	1, 03 36 27
Service industries do. Govt. and govt. enterprises do. Other labor income do. Proprietors' income:∆	159. 9 175. 4 64. 9	179, 0 187, 2 75, 9	186. 6 192. 7 80. 0	188, 4 193, 3 81, 0	191. 4 194. 0 82. 1	192. 7 194. 8 83. 2	84.4	85. 5	197. 2 86. 7	198.4 198.1 87.9	200. 4 199. 1 89. 1	200, 7 90, 3	202. 1 91. 5	205. 8 92. 8	207. 1 94. 0	20
Farmdo Nonfarmdo	23, 2 62, 8	18. 6 69. 4	16. 4 72. 1	18. 1 73. 2	19. 6 72. 5	21. 0 74. 4		20. 9 76. 9		18. 4 77. 6	16.5 79.2			7 17. 2 7 81. 5		8
Rental income of persons, with capital consumption adjustment bill. \$ Dividends. do. Personal interest income do. Transfer payments do. Less personal contributions for social insurance bill. \$ Total nonfarm income do.	22. 3 32. 4 115. 6 176. 8 50. 4 1, 218. 8	23, 3 35, 8 130, 3 192, 8 55, 2 1, 351, 3	24. 1 37. 2 136. 4 198. 4 56. 7 1, 402. 1	24. 4 41. 2 137. 6 200. 0 57. 0 1, 418. 5	24. 4 37. 9 139. 0 200. 5 59. 0	203, 0 59, 6	39, 0 141, 8 206, 9 60, 2	39, 3 143, 5 206, 0 60, 6	39. 6 145. 2 202. 9	147. 4 200. 0 61. 0	149.1 207.2 61.5	42, 4 150, 4 208, 6 61, 6	42.6 151.3 210.2 62.0	42. 7 153. 1 210. 9 62. 6	42. 9 * 155. 5 * 213. 1	15 21
FARM INCOME AND MARKETING;								,								
Cash receipts from farming, including Government payments, total #mil. \$	88,884	95,060	10,093	8,751	8, 170	6,742	6, 970	6,557	6,866	7, 224	7,385	7,673	8,034	8,600		-
Farm marketings and CCC loans, total do Crops. do Livestock and products, total 9 do Dairy products do Meat animals. do Poultry and eggs do	88, 077 45, 053 43, 024 9, 909 25, 818 6, 791	94, 326 47, 937 46, 389 11, 425 27, 188 7, 192	9, 999 6, 166 3, 833 901 2, 291 601	8,608 4,787 3,821 939 2,223 604	8,067 4,452 3,615 943 2,063 565	3, 645 879	2, 897 3, 950 982 2, 309	2, 694 3, 792 996 2, 161	2,824 4,004 1,042 2,326	3, 304 3, 888 1, 021 2, 201	3,570 3,784 1,006 2,096	3,664 3,961 1,995 2,278	3,938 4,008 972 2,359	7 5, 608 7 4, 440 7 977 7 2, 810	6,000 4,200 1,000 2,500	
Indexes of eash receipts from marketings and CCC loans, unadjusted: All commodities. 1967=100 Crops. do Livestock and products. do	206 244 176	220 260 190	280 401 189	241 312 188	226 290 178		189	175	184	215	232	239	256	365	385	
indexes of volume of farm marketings, unadjusted: All commodities	113 124 106	134		135 166 114		96	88	81	82	111	134	141	148	222	207	·

 $[\]begin{tabular}{lll} r Revised, & p Preliminary. & $tSee corresponding note on p. S-1. & \triangle Includes inventory valuation and capital consumption adjustments. & $tSeries revised beginning 1973; \\ \end{tabular}$

Unless otherwise stated in footnotes below, data	1975	1976	19	76						19	77					
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. 1
	GEN	ERAI	L BUS	SINES	SS IN	DICA	TOR	S—Co	ntinu	ıed				<u> </u>		
INDUSTRIAL PRODUCTION♂ Federal Reserve Board Index of Quantity Output																
Not Seasonally Adjusted Total index	117.8	129.8	132, 1	128. 3	128.8	133, 6	135.7	136. 2	137, 2	141, 5	134. 1	138. 2	142. 4	142.9	139. 9	134.9
By market groupings: Products, total	119. 3 118. 2 124. 0 121. 4 125. 1 110. 2 123. 1	129. 3 127. 2 136. 2 141. 4 124. 1 114. 6 137. 2	131. 9 129. 7 138. 2 147. 1 134. 7 117. 9 140. 1	127. 1 125. 1 131. 0 137. 1 128. 6 116. 8 134. 3	128. 4 127. 2 135. 0 142. 2 132. 1 116. 5 133. 2	132. 9 131. 7 140. 1 150. 8 135. 8 120. 0 137. 4	134. 3 132. 6 141. 9 156. 7 136. 0 119. 8 140. 4	135. 0 133. 1 141. 8 155. 6 136. 3 121. 1 142. 5	135. 9 133. 5 142. 0 156. 8 136. 1 121. 9 144. 7	141. 5 139. 4 149. 2 164. 2 143. 3 126. 0 149. 2	135. 0 132. 5 140. 0 142. 3 139. 1 122. 1 144. 5	139. 5 136. 4 145. 9 140. 0 148. 2 123. 5 150. 9	145.1 r 142.9 r 152.9 r 158.8 r 150.5 129.2 r 153.2	7 144. 1 1 141. 9 1 152. 5 7 168. 3 7 146. 3 127. 4 7 152. 2	140. 0 137. 5 145. 6 158. 1 140. 6 126. 4 149. 0	133. 5 131. 2 136. 2 144. 3 133. 0 124. 2 142. 3
Materials do do do do do do do do do do do do do	115.5	130.6	132.4	130. 1	129.3	134, 5	137. 7	137. 7	139, 2	141.4	132, 6	136. 3	7 138. 0	140.8	139.7	137.0
Mining and utilitiesdo Manufacturingdo	128. 5 116. 3	131.6 129.5	132. 2 132. 0	136. 5 127. 1	140. 1 127. 2	138. 1 132. 8	125. 0 135. 7	132. 4 136. 4	132. 6 137. 8	136. 9 141. 9	140, 6 133, 2	138. 8 138. 2	r 137. 3	r 133. 5	134. 2 140. 3	135. 3 134. 5
Nondurable manufactures do Durable manufactures do do do do do do do do do do do do do	126. 4 109. 3	140.9 121.7	143.3 124.2	136. 0 120. 8	137. 0 120. 5	143, 2 125, 7	146. 0 128. 5	146. 3 129. 7	147. 8 130. 8	152. 8 134. 3	144, 1 125, 6	154. 1 127. 2	* 156. 2 133. 7	r 155. 9 r 135. 7	151. 0 132. 8	142. 9 128. 8
Seasonally Adjusted Total index	117.8	129.8	131.5	133.0	132. 3	133, 2	135, 3	136, 1	137.0	137.8	138.7	138. 1	r 138. 5	r 138. 8	139.3	139.6
By market groupings: Products, total	119, 3 118, 2 124, 0	129.3 127.2 136.2	131. 3 129. 3 138. 4	133. 4 131. 5 141. 3	133. 1 130. 8 139. 9	133. 6 131. 6 140. 5	135, 1 133, 3 142, 9	135. 8 134. 1 142. 9	136, 5 134, 7 143, 1	137. 3 135. 4 143. 8	138. 7 136. 8 145. 4	138. 4 136. 3 144. 7	138. 8 136. 8 144. 9	138.9 7 136.6 7 145.2	139. 3 137. 0 145. 7	140. 0 137. 6 146. 2
Durable consumer goods do Automotive products do Autos and utility vehicles do Autos do Autos do Autos and allied goods do do do Auto parts and allied goods do do do do do do do do do do do do do	121. 4 125. 8 113. 7 101. 1 156. 6	141. 4 154. 8 149. 8 132. 0 167. 6	143. 7 161. 6 154. 0 138. 4 180. 5	150. 5 178. 8 176. 9 156. 3 183, 4	145, 4 164, 2 155, 8 136, 9 185, 6	146. 1 161. 7 152. 7 132. 8 184. 3	152. 4 178. 3 176. 1 155. 8 184. 1	151, 5 173, 9 171, 2 150, 6 181, 3	152. 2 172. 8 167. 4 148. 5 186. 6	155. 8 179. 8 177. 4 156. 8 185. 8	158. 0 184. 8 184. 1 161. 4 186. 6	154. 7 177. 2 173. 1 150. 9 187. 3	r 155. 6 r 177. 0 r 172. 6 151. 6 r 188. 1	+ 157. 2 + 180. 1 + 176. 7 154. 3 + 189. 0	155. 6 173. 7 167. 7 147. 5 189. 2	155. 9 173. 5 166. 7 143. 6 191. 0
Home goodsdo Appliances, air cond., and TVdo Carpeting and furnituredo	118.8 98.0 126.8	133.9 114.6 144.1	133, 7 114, 9 143, 6	134. 5 110. 3 144. 7	134. 8 113. 4 143. 7	137.3 118.5 146.0	137. 9 124. 1 144. 6	138. 8 126. 4 145. 0	140.6 131.0 147.3	142. 3 133. 1 151. 2	142. 9 130. 1 154. 1	142. 1 129. 6 154. 8	7 143, 6 129, 4 159, 0	r 144. 4 r 129. 8 r 160. 0	145. 3 133. 1 158. 9	146. 2 133. 0
Nondurable consumer goods do Clothing do Consumer staples do Consumer foods and tobacco do Nonfood staples do	125. 1 111. 6 128. 8 122. 8 135. 8	134. 1 124. 0 136. 9 130. 7 144. 1	136, 2 123, 1 139, 8 132, 4 148, 2	137. 6 124. 1 141. 3 131. 8 152. 3	137. 7 123. 7 141. 7 131. 5 153. 4	138. 3 123. 6 142. 2 133. 3 152. 6	139. 1 123. 9 143. 3 136. 0 151. 8	139. 4 124. 4 143. 6 126. 1 152. 5	139. 5 125. 5 143. 4 135. 0 153. 2	139. 1 125. 7 142. 9 135. 4 151. 7	140. 3 124. 1 144. 8 137. 1 153. 8	140. 6 126. 4 144. 6 137. 9 152. 4	7 140. 7 7 128. 3 7 144. 1 7 137. 1 7 152. 4	140. 5 128. 9 7 143. 8 7 136. 2 7 152. 7	141. 6 145. 0 137. 0 154. 4	142. 2 145. 5 154. 7
Equipment do. Business equipment do. Industrial equipment do. Building and mining equipment do. Manufacturing equipment do.	110. 2 128. 2 121. 2 168. 3 99. 9	114.6 136.3 128.0 177.7 106.5	116.8 140.1 131.1 181.5 109.9	118. 0 142. 3 132. 3 183. 7 110. 8	118. 4 142. 3 131. 3 187. 4 107. 8	119. 2 143. 5 133. 2 192. 9 108. 5	120. 0 144. 8 134. 4 197. 9 109. 0	122. 1 147. 1 136. 3 200. 5 112. 0	123. 2 148. 9 138. 4 205. 3 112. 8	124. 1 150. 1 140. 0 208. 1 115. 0	124. 8 151. 2 140. 7 210. 6 114. 3	124. 9 151. 1 140. 4 203. 9 115. 3	125. 6 7 152. 1 141. 4 204. 5 117. 6	r 124.9 r 152.3 r 141.6 r 204.9 r 118.8	125. 3 152. 7 142. 2 203. 5 119. 3	126. 0 153. 3 143. 1 204. 8 120. 1
Commercial, transit, farm eq. \$do Commercial equipmentdo Transit equipmentdo	136.3 157.8 101.9	145.8 173.5 104.1	150. 6 179. 6 107. 8	154. 1 184. 3 108. 0	155, 0 185, 2 108, 4	155, 3 185, 6 108, 7	156, 9 186, 1 113, 0	159. 5 189. 7 115. 2	161. 2 191. 1 116. 5	161. 9 191. 4 118. 5	163, 3 191, 7 121, 5	163. 4 193. 0 121. 9	r 164. 4 193. 7 r 125. 1	164. 6 7 194. 9 7 121. 4	164. 7 196. 1 119. 2	165. 2 197. 2 119. 0
Defense and space equipmentdo	80.0	78. 4	77.6	77.2	78.0	78.5	78. 5	79.9	80.0	80. 3	80.4	80. 8	80. 9 • 146. 5	+ 78. 9	79. 2 147. 9	79. 9 149. 2
Intermediate products do Construction supplies do Business supplies do	123, 1 116, 3 129, 8	137. 2 132. 6 141. 8	139. 0 135. 8 141. 9	140. 5 135. 5 145. 3	142. 2 136. 2 148. 0	141, 6 135, 6 147, 6	141, 8 136, 4 147, 3	142. 3 137. 2 147. 5	143. 5 138. 7 148. 4	144. 7 139. 9 149. 6	146.3 141.2 151.3	146. 1 141. 7 150. 6	r 143. 2 r 149. 7	144.4 149.7	146. 0 149. 8	147. 1
$ \begin{array}{cccc} \text{Materials} & \text{do} \\ \text{Durable goods materials } & \text{do} \\ \text{Durable consumer parts} & \text{do} \\ \text{Equipment parts} & \text{do} \\ \text{Nondurable goods materials } & \text{do} \\ \text{Textile, paper, and chemical} & \text{do} \\ \text{Energy materials} & \text{do} \\ \end{array} $	115. 5 109. 1 97. 7 118. 9 126. 6 129. 0 117. 2	130. 6 126. 8 121. 6 133. 9 146. 3 151. 1 120. 2	131, 9 128, 2 126, 2 137, 2 147, 3 151, 4 121, 9	132, 0 128, 7 126, 3 138, 8 145, 8 150, 3 123, 4	131. 1 127. 4 121. 8 135. 1 144. 8 149. 3 123. 3	132. 7 128. 4 124. 1 137. 3 150. 4 153. 9 120. 8	135. 5 131. 9 126. 8 127. 8 153. 3 158. 4 121. 8	136. 5 133. 8 129. 4 140. 7 153. 7 159. 0 121. 3	137. 8 125. 2 132. 0 141. 7 155. 4 160. 7 122. 3	138. 7 136. 4 134. 5 143. 0 154. 7 160. 1 124. 3	138, 9 136, 8 137, 2 145, 0 154, 1 158, 9 125, 2	137. 6 135. 4 135. 2 145. 6 155. 1 159. 6 121. 4	146.8 7 153.9 7 159.0	r 138. 8 r 137. 0 r 136. 0 r 147. 2 r 154. 7 r 159. 9 123. 9	139. 2 137. 3 136. 7 147. 9 155. 7 160. 0 123. 3	139. 1 138. 3 137. 7 149. 0 156. 7 160. 9
By industry groupings: do Mining and utilities	128. 5 112. 8 115. 8 113. 4	131.6 114.2 122.8 117.2	133. 8 115. 3 124. 5 122. 1	135. 4 115. 4 126. 8 120. 6	137. 0 112. 8 130. 6 95. 3	137. 1 116. 3 128. 5 100. 8	136, 6 120, 6 133, 8 124, 1	135. 7 119. 2 126. 1 118. 4	137. 1 119. 5 120. 5 122. 4	138. 8 122. 8 121. 3 133. 4	139. 4 119. 8 101. 9 120. 7	134. 4 115. 4 70. 0 113. 6	7 135. 1 7 118. 0 71. 4 133. 0	7 135. 3 7 119. 1 7 79. 8 141. 4	136. 0 118. 3 84. 6 140. 6	134. 3 113. 4 74. 6
$\begin{array}{cccc} \text{Oil and gas extraction } & & \text{do} \\ \text{Crude oil.} & & \text{do} \\ \text{Natural gas.} & & \text{do} \\ \text{Stone and earth minerals.} & & \text{do} \\ \end{array}$	113. 3 94. 9 111. 0 107. 0	112. 0 92. 2 109. 5 118. 3	112.3 91.2 108.3 120.8	112.8 91.5 111.3 118.0	112. 0 89. 7 109. 5 121. 6	115, 8 91, 3 112, 8 124, 9	117. 5 90. 7 112. 0 126. 1	117.5 91.0 110.1 124.0	118. 3 89. 3 113. 1 123. 0	121. 3 93. 9 114. 0 122. 5	120. 6 94. 3 112. 6 126. 7	119. 3 92. 8 125. 0	7 119. 6 94. 7 105. 4 126. 7	7 118.9 93.7 7 126.7	117. 2 92. 3 128. 3	117.8
Utilitiesdo Electricdo	146. 0 160. 8	151.0 167.6	154.6 171.8	157. 9 176. 1	163. 8 183. 6	160. 3 179. 1	154, 8	154, 0	156.7	156. 8	161, 4	155.7	r 154. 1	r 153. 5	155.7	157.4
Manufacturing. do Nondurable manufactures. do Foods ♀ do Meat products. do Dairy products. do Beverages. do	116. 3 126. 4 123. 4 102. 6 109. 3 145. 8	129. 5 140. 9 132. 3 111. 2 113. 8 156. 7	131. 4 143. 0 134. 3 115. 9 116. 3 156. 2	132, 5 143, 3 132, 9 112, 0 115, 9 155, 4	131. 6 143. 4 134. 2 109. 8 115. 7 161. 1	132. 6 145. 3 136. 4 117. 6 116. 1 161, 1	135. 1 147. 0 138. 7 118. 7 116. 5 168. 3	135. 8 147. 0 138. 0 114. 4 116. 8 169. 8	137. 1 148. 5 138. 3 111. 3 116. 6 172. 7	137. 8 148. 4 136. 9 114. 5 115. 5 166. 2	138. 5 148. 6 138. 3 111. 6 117. 0 172. 4	149. 4	7 139. 0 7 149. 5 7 138. 3 116. 1 118. 9 7 166. 0	* 139. 2 * 149. 4 137. 6 112. 0 118. 9 167. 1	139. 6 150. 3 138. 4 114. 8 119. 9 166. 7	140. 4 151. 1
Tobacco productsdo. Textile mill productsdo. Apparel productsdo. Paper and productsdo.	111.8 122.3 107.6 116.3	117. 9 136. 4 122. 2 133. 0	119. 6 133. 3 122. 7 132. 5	119. 2 123. 7 124. 9 131. 4	114. 8 132. 2 123. 0 130. 6	116, 8 132, 3 124, 4 136, 5	104, 3 134, 4 122, 2 135, 5	112. 1 134. 6 121. 4 136. 3	105. 2 136. 0 123. 5 139. 5	119. 2 135. 4 122. 1 139. 3	114. 5 137. 2 121. 1 139. 2	117. 0 136. 6 124. 1 140. 3	113. 5 r 140. 7 127. 7 r 139. 1	113. 5 + 143. 2 129. 2 + 137. 7	143. 6 138. 0	139. 4
Printing and publishing do- Chemicals and products do- Basic chemicals do	113. 4 147. 2 135. 9	120. 6 169. 3 158. 6	119.7 173.7 161.2	123, 0 173, 1 158, 4	124. 7 172. 2 155. 6	122. 4 174. 9 161. 8	124.8 180.0 167.7	123, 4 180, 6 169, 3	124. 4 182. 8 168. 7	124. 1 183. 5 170. 2	124. 9 182. 6 166. 7	125. 0 182. 6 168. 7	r 124. 2 r 181. 3 r 164. 3	7 124. 8 180. 8 7 163. 5	124. 7 183. 0 164. 0	126. 5
Petroleum productsdoRubber and plastics productsdoLeather and productsdo	76.5			216. 9 74. 2		145, 2 220, 3 75, 0	143. 3 225. 6 73. 8	143. 4 226. 0 74. 7	142, 4 232, 4 76, 2	140. 0 235. 2 74. 1	140. 4 235. 2 74. 1	139. 9 237. 4 74. 5	141. 9 7 239. 5 74. 0	r 141. 2 r 237. 2 r 76. 8	141. 5 240. 0 76. 8	142. 0

^{&#}x27; Revised. P Preliminary. 1 Estimated. & Monthly revisions back to 1967 will be shown later; effective Sept. 1977 SURVEY, indexes revised to reflect more up-to-date information. P Includes data for items not shown separately.

NOTE FOR P. S-5:

© Revised back to Jan. 1975 to reflect corrections in reporting errors in the machinery industry, and corrections in classifications in the aircraft and machinery industries; revisions prior to Apr. 1976 are available from the Bur. of the Census, Wash., D.C. 20233.

Unless otherwise stated in footnotes below, data	1975	1976	19'	76						19	977					
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Ant	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.»	Dec. 1
	GE	NERA	L BU	SINE	SS IN	DIC.	TOR	S—C	ontin	ued	1		<u>!</u>	<u> </u>	<u>!</u>	
INDUSTRIAL PRODUCTION;—Continued			1		1											
Federal Reserve Board Index of Quantity Output—Continued																
Seasonally Adjusted—Continued				}												
By industry groupings—Continued																
Manufacturing—Continued Durable manufactures	109.3 76.6	121. 7 72. 7	123. 4 71. 6	125. 0 71. 3	123. 4 72. 6	124. 0 72. 6	126.8 72.8	128.0 74.6	129.3 74.4	130, 5 74. 1	131. 6 75. 0	131. 3 75. 5	7 131. 7 75. 1	r 132. 3	132. 2 73. 7	133. 0 74. 7
Lumber and products do Lumber do do	107. 6 93. 9	125, 1 105, 8	129.5 108.5	128. 1 96. 9	132. 7 113. 9	132. 2 109. 9	132. 1 109. 0	130.6 109.2	133. 0 112. 5	132. 4 104. 9	132. 9 112. 4	131. 8 107. 2	7 137. 1 111. 2	7 136. 2 115. 7	137. 4	
Furniture and fixturesdodododo	118. 2 117. 8	132. 7 137. 1	133.7 143.2	135. 7 142. 8	135. 1 137. 1	137. 1 139. 0	135. 1 143. 7	135, 4 145, 0	137. 5 145. 0	139. 9 147. 7	143. 0 148. 0	142. 9 148. 8	145. 6 145. 5	r 146. 5 r 147. 3	146. 6 150. 9	
Primary metals do Front do Basic iron and steel do Steel	96. 4 95. 8	108. 9 104. 9	104. 6 100. 3	101.5 93.4	100. 8 89. 7	100. 2	108.3 97.9	112. 2 103. 9	117.1	114. 7 109. 2	114.4	112.5 110.6	109. 0 104. 6	r 113.7 r 108.1	111. 9 105. 6	111.2
Steel min products	99.5	100. 7 108. 9	95.7 100.7	90. 1 94. 9	84. 6 88. 7	87.7 91.4	95. 4 98. 2	97.8 106.8	104. 0 116. 7	106. 5 110. 4	101. 0 116. 3	102. 8 114. 1	101.3 102.2	7 99. 1 110. 4	95.3 104.2	
Nonferrous metalsdo	97.5	115.9	112.4	116.1	121.7	116.4	126.8	126. 8 127. 6	127.9	124. 0 130. 8	118.0	114.5	117.0	r 123. 7	121. 8 135. 2	1 36 , 0
Fabricated metal productsdo Nonelectrical machinerydo Electrical machinerydo	125. 1 116. 5	123. 3 135. 0 131. 6	126. 7 137. 5 135. 7	128. 1 141. 5 135, 1	125.7 139.9 134.0	125. 8 139. 8 137. 6	127. 5 139. 8 137. 6	142. 9 139. 6	142. 6 141. 8	144. 0 142. 6	145. 7 143. 6	145. 2 143. 9	147. 4 7 144. 6	r 148. 2 r 144. 2	148, 9 145, 1	150. 4 146. 6
Transportation equipmentdo Motor vehicles and partsdo	97. 4 111. 1	110. 6 140. 7	112.7 145.5	117. 4 155. 0	113.5 145.5	113. 4 145. 4	120. 5 161. 2	119.8 158.1	120.3 157.7	123. 7 163. 2	125. 6 166. 2	124. 3 164. 4	125. 5 165. 6	7 124. 1 7 167. 9	121. 9 163. 0	122. 2 161. 9
Aerospace and misc. trans. eqdo Instrumentsdo	84. 5 132. 3	82, 2 148, 2	81.7	81.9	83.4	83. 3 157. 0	82.3	83.8	85. 2 157. 4	86. 5 158. 2	87. 3 159. 0	86. 5 158. 3	87. 7 160. 3	7 82. 8 7 161. 8	83. 1 161. 3	84. 7 162. 0
BUSINESS SALES §	102.0	140. 2	150.3	155.8	153.7	157.0	156. 9	157.8	157.4	100.2	103.0	100.0		101.3	101. 3	102.0
Mfg. and trade sales (unadj.), total †⊕△mil. \$	2,162,751	2,401,414	205, 014	216, 551	191, 565	203, 279	227, 787	223, 233	224, 288	232, 457	213, 326	226, 193	229,699	232, 594	231, 033	
Mfg. and trade sales (seas. adj.), total †⊕△do	2,162,751	2,401,414	203, 731	212, 095	209, 950	215, 281	221,903	221, 167	221, 327	222, 240	221, 255	223, 604	224,242	r226,536	229, 903	
Manufacturing, total †⊕do Durable goods industriesdo Nondurable goods industries⊕do	526, 950	604, 706	51,238	104,475 55,295	103,569 53,341	106,133 54,703	58,849	109,640 56,764	56,717	110,680 57,570	109,208 56,820	111,376 58,087	58,608	7113,119 759, 262 753, 857	58, 979	
-	j	573, 499 642, 507	48, 681 54, 822	49, 180 56, 685	50,228 55,703	51,430 57,291	52,392 57,990	53,876	52,741 58,003	53, 110 57, 825	52, 388 58, 552	53,289	59,014	60, 778	54, 316 61, 482	
Retail trade, total	178, 887 401, 558	210, 530 431, 977	18, 098 36, 724	19, 038 37, 647	18,860 36,843	19, 382 37, 909	19, 863 38, 127	19, 833 38, 309	19, 516 38, 487	19, 436 38, 389	19, 505 39, 047	19,984 39,036	19,763	r 20, 895 r 39, 883	20, 640 40, 842	
Merchant wholesalers, totaldo Durable goods establishmentsdo Nondurable goods establishmentsdo	535, 596 220, 094 315, 502	580, 894 246, 732 334, 162	48, 990 21, 151	50, 935 21, 642	50, 678 21, 785	51, 857 22, 625	52, 672 22, 621	53, 385 22, 941	53, 866 23, 275	53, 735 23, 419 30, 316	53, 495 23, 620 29, 875	53, 208 24, 390 28, 818		753, 639 724, 997 728, 642	55, 126 25, 268	
BUSINESS INVENTORIES §	010,002	334, 102	27, 839	29, 293	28, 893	29, 232	30, 051	30, 414	30, 591	20,310	23,010	20,010	20,101	20,012	29, 858	
Mfg. and trade inventories, book value, end of year or month (unadj.), total †\(\triangle \).	281, 100	306, 412	310 518	306 412	309, 471	313, 189	317, 913	320.078	320.660	321, 209	320, 596	321, 713	326,017	332, 282	336, 791	
Mfg. and trade inventories, book value, end of year or month (seas. adj.), total †\(\triangle \).	281, 837		}		ł		314,875	1			1	326, 849	1		331, 988	
Manufacturing, totaltdo	155,693	166, 587	167,114	166,587 105,729	167,482	168,449	169, 379	170,747	172,629	173, 818	174,571	175,104	176,164	176, 829	177, 101	
Durable goods industries do Nondurable goods industries do	100, 310 55, 382	105,729 60,858	106,128 60,986	60, 858	106,562 60,920	107,222 61,227	107,685 61,694	108,190 62,557	109,154 63,475	63,397	110,978 63, 593	111,452 63,652	111,787 64,377	64, 754	1	
Retail trade, total△dododododo	71, 031 31, 632 39, 399	78, 431 35, 067 43, 364	77, 988 34, 875 43, 113	78, 431 35, 067 43, 364	79, 458 35, 588 43, 870	79, 721 35, 516 44, 205	81, 196 36, 150 45, 046	81, 825 36, 094 45, 731	83, 025 36, 818 46, 207	84, 134 37, 104 47, 030	85, 326 38, 130 47, 196	86,650 38,577 48,073	87, 208 38, 520 48, 688	87, 462 38, 752 48, 710	88, 465 39, 134 49, 331	
Merchant wholesalers, total \triangle dododododo	{	61, 307 38, 177	61,049 38,205	61,307 38,177	62, 123 38, 819	63, 062 39, 264	64, 300 39, 527	65, 301 39, 809	64, 838 40, 224	64, 947 40, 876	64, 210 41, 404	65, 095 42, 396		r 66, 209 r 43, 014	66, 422 43, 122	
Nondurable goods establishmentsdo	20, 508	23, 130	22,844	23, 130	23, 304	23, 798	21, 773	25, 492	24, 614	24,071	22, 806	22, 699		23, 195	23, 300	
BUSINESS INVENTORY-SALES RATIOS Manufacturing and trade, total†⊕△ratio	1. 57	1. 47	1, 50	1, 44	1. 47	1, 45	1, 42	1.44	1, 45	1.45	1.46	1.46	1. 47	1.46	1 44	
Manufacturing, total†⊕do	1.80	1.64	1. 67	1. 59	1.62	1.59	1.52	1, 56	1.58	1. 57	1.60	1.57	1.57	1. 56	1, 56	
Durable goods industries† do Materials and supplies do do do do do do do do do do do do do		2,04	72.07 .69	1.90 .62 .77	2.00	1.96	1.83 .61	1. 91 . 63 . 77	1. 92 . 65	1.92	1, 95 . 65 . 78	1.92 .64	1.91 .64 .76	1.89 .63 .75	1, 91 . 63 . 76	
Work in process do Finished goods do			.84	.51	. 53	.80 .52	. 74	.50	. 76	.75 .51	.52	.77	.50	. 51	.51	
Nondurable goods industries † dodododododo		1.23	1. 25 . 53	1, 24 . 53	1. 21 . 51	1.19	1.18 .50	1. 18 . 51	1. 20 . 51	1. 19 . 51 . 18	1. 21 . 50 . 18	1. 21 . 50 . 18	1, 21 .50 .18	1, 20 . 50 . 18	1. 19 . 49 . 18	
Work in process dododo			. 19 . 53	.19	. 18	.18	. 18	.18	. 18	. 51	.52	. 52	.52	. 53	. 52	
Retail trade, totaldododo Durable goods storesdodo	1. 45 2. 07 1. 17	1. 41 1. 89 1. 17	1. 42 1. 93 1. 17	1. 38 1. 84 1. 15	1. 43 1. 89 1. 19	1. 39 1. 83 1. 17	1. 40 1. 82 1. 18	1. 41 1. 82 1. 19	1. 43 1. 89 1. 20	1. 45 1. 91 1. 23	1. 46 1. 95 1. 21	1. 47 1. 93 1. 23	1, 48 1, 95 1, 24	1.44 1.87 1.22	1.44 1.90 1.21	
Merchant wholesalers, total△do Durable goods establishmentsdo	1	1. 21 1. 78	1.25	1.20	1. 23 1. 78	1. 22	1. 22 1, 75	1. 22 1. 74	1. 20 1. 73	1. 21 1. 75	1. 20 1. 75	1. 22 1. 74	1, 24 1, 78	7 1. 23 7 1. 72	1. 20 1. 71	
Nondurable goods establishments do MANUFACTURERS' SALES, INVENTORIES,	1.88	1.48	1.81	1.76	.81	.81	.82	. 84	.80	79	. 76	.79	.80	7.81	78	
AND ORDERS Manufacturers' export sales: ©										1						
Durable goods industries: Unadjusted, totalmil. \$mil. \$	50, 516	60, 547	5, 391 5, 333	6, 041 5, 502	4, 399 4, 690	4, 697 4, 870	5, 677 5, 312	5, 491 5, 378	5, 363 5, 148	5, 580 5, 430	4, 741 5, 277	4, 633 5, 089	5, 149 5, 206	5, 696 5, 641	5, 420 5, 374	
Seasonally adj., totaldodo		1,178,013	1	98, 023	96, 387	106,743	1		[116,636	102, 201	109,894		118,252	113, 557	
Durable goods industries, total 2† do	526,950	604, 514	51, 345	50,798	48, 858	54,715	60,550	58, 171 2, 904	,	62,349	52,379	55, 768	61, 415	62,694	7 59,266	1 57,689
Stone, elay, and glass products do Primary metals do Blast furnaces, steel mills do Nonferrous and other primary met do do	78, 959 40, 210	30, 435 88, 826 45, 137 34, 110	2,573 7,086 3,547 2,743	2, 320 6, 752 3, 357 2, 694	2, 286 6, 980 3, 457 2, 745	2, 546 7, 774 3, 831 3, 089	2, 943 8, 847 4, 539 3, 390	8, 630 4, 282	8,661 4,384	3, 249 9, 070 4, 735 3, 337	52, 379 2, 856 7, 483 3, 882 2, 779	3, 281 7, 991 4, 154 2, 932	3, 189 8, 544 4, 350 3, 216	7 3, 165 8, 354 7 4, 197 7 3, 137	4, 106	17,951

Blast lurnaces, steel mills. do 40, 210 | 45, 137 | 3, 547 | 3, 357 | 3, 457 | 3, 457 | 3, 457 | 3, 831 | 4, 539 | 4, 282 | 4, 384 | 4, 735 | 3, 882 | 4, 154 | 4, 350 | 74, 197 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 107 | 4, 1 below on pp. S-6 and S-7; those for wholesale and retail trade on pp. S-11 and S-12. †See corresponding note on p. S-6. \oplus Unadj, and seas. adj. mfrs. shipments and new orders (totals and total nondurables) were revised back to Dec. 1975; revisions prior to Mar. 1976 are available from Bureau of the Census, Wash., D.C. 20233. \triangle See notes " \P " and " \P " on p. S-12 for retail trade and note " \bigcirc " on p. S-11 for wholesale trade. \bigcirc Includes data for items not shown separately. \bigcirc See corresponding note on p. S-4.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	GEN	NERA	L BU	SINE	SS IN	IDICA	TOR	S—Co	ontin	ued						·
MANUFACTURERS' SALES, INVENTORIES, AND ORDERS†—Continued																
Shipments (not seas. adj.)†—Continued Durable goods industries†—Continued Fabricated metal productsmil. \$ Machinery. except electricaldo Electrical machinerydo Transportation equipmentdo Motor vehicles and partsdo Instruments and related productsdo	68, 892 98, 147 63, 716 113, 369 70, 581 22, 601	79, 659 109, 652 72, 039 136, 130 91, 115 24, 905	6, 534 8, 966 6, 407 12, 265 8, 687 2, 210	6, 505 9, 477 6, 565 11, 996 7, 925 2, 197	6, 162 8, 785 6, 012 11, 803 8, 362 2, 036	6, 926 9, 953 6, 634 13, 049 9, 001 2, 193	7, 689 10,772 6, 813 14, 773 10, 360 2, 372	7, 496 10,222 6, 601 13, 806 9, 681 2, 271	7, 397 10,096 6, 493 14,186 9,711 2,295	7, 924 10, 686 7, 166 15, 155 10, 606 2, 452	6, 600 9, 137 6, 236 12, 175 8, 207 2, 100	7, 438 9, 716 6, 780 11, 278 7, 455 2, 313	7, 866 10,622 7, 401 14,181 9, 805 2, 497	r 8,066 r10,527 r 7,456 15,562 r10,977 r 2,477	7, 348 10, 213 7, 361 14, 255 10, 205 2, 451	² 12, 905
Nondurable goods industries, total ♀⊕ do Food and kindred products do Tobacco products do Textile mill products do	519, 760 171, 794 7, 805 32, 874	573,498 176,150 8,087 37,583	48, 783 15, 024 650 3, 201	47, 225 14,599 751 3, 097	47, 529 14, 283 669 2, 949	52, 028 15, 475 671 3, 270	53, 651 15, 797 714 3, 659	53, 071 15, 429 696 3, 543	52,357 15,028 723 3,571	54, 287 15, 817 738 3, 725	49,822 14,706 689 2,988	54,126 15,774 749 3,640	55,438 16,110 726 3,833	755, 558 716, 314 701 73, 872	54, 451 16, 196 740 3, 772	
Paper and allied productsdoChemical and allied productsdoPetroleum and coal productsdoRubber and plastics productsdo.	43, 463 90, 370 69, 692 28, 081	50, 227 101, 385 82, 640 32, 572	4, 140 8, 239 7, 153 2, 760	4, 011 7, 979 7, 496 2, 570	4, 174 8, 186 7, 749 2, 713	4, 492 9, 399 7, 948 3, 054	4, 647 10, 218 7, 597 3, 215	4, 683 10, 069 7, 838 3, 140	4,570 9,783 8,055 3,142	4, 822 9, 807 8, 131 3, 294	4, 220 8, 552 8, 122 2, 812	4, 675 9, 319 8, 122 3, 109	4, 587 9, 851 8, 117 3, 256	7 4, 574 7 9, 240 7 8, 334 7 3, 328	4, 459 9, 032 8, 210 3, 195	
Shipments (seas. adj.), total†⊕do		1	99,919	104,475	103,569	106,133	111,241	109,640	109,458	110,680	109,208	111,376	111,921	r113,119	113, 295	
Durable goods industries, total 9 do. Stone, clay, and glass products do. Primary metals do. Blast furnaces, steel mills do. Nonferrous and other primary met do.			51,238 2,569 7,283 3,714 2,751	55,295 2,703 7,298 3,583 2,910	53,341 2,644 7,334 3,467 3,020	54,703 2,765 7,590 3,708 3,019	58,849 2,989 8,566 4,298 3,387	56,764 2, 842 8, 136 4,032 3, 251	56,717 2,860 8,296 4,244 3,169	57,570 3,010 8,428 4,471 3,050	56,820 2,906 8,174 4,248 3,011	58, 087 3, 080 8, 281 4, 273 3, 073	58, 608 2, 955 8, 440 4, 372 3, 119	59, 262 72, 882 8, 246 74, 243 73, 049	7 59, 154 2, 954 7 8, 323 4, 299 3, 041	² 8, 596
Fabricated metal products			6,610 9,282 6,298 11,616 8,004 2,123	6, 961 9, 546 6, 688 14,176 10, 036 2, 198	6, 764 9, 471 6, 625 12,642 8, 556 2, 228	7,048 9,713 6,594 12,824 8,665 2,258	7,707 9,904 6,655 14,367 10,126 2,344	7, 370 10,017 6, 602 13,341 9, 338 2, 323	7, 253 10,060 6, 555 13,325 9, 074 2, 321	7, 461 9, 716 6, 753 13, 862 9, 712 2, 324	6, 972 10,037 6, 900 13,548 9, 403 2, 280	7, 303 10,465 6, 912 13, 193 9, 195 2, 339	7, 432 10,333 6, 946 13, 603 9, 367 2, 319	7, 601 10, 608 7, 055 13, 824 7, 9, 374 7, 2, 356	7, 421 10, 577 7, 226 13, 516 9, 403 2, 359	214, 067
Nondurable goods industries. total ♀⊕ do Food and kindred products do Tobacco products. do Textile mill products. do Paper and allied products. do Chemicals and allied products. do Petroleum and coal products Rubber and plastics products do			48, 681 14, 773 640 3, 143 4, 153 8, 827 7, 154 2, 806	49, 180 14, 603 753 3, 302 4, 296 8, 637 7, 484 2, 815	50, 228 14, 920 704 3, 269 4, 358 8, 661 7, 878 2, 950	51, 430 15, 277 703 3, 346 4, 435 9, 126 7, 833 3, 037	52, 392 15, 451 738 3, 503 4, 579 9, 682 7, 660 3, 118	52, 876 15, 778 728 3, 593 4, 702 9, 480 7, 884 2, 995	52,741 15,261 709 3,558 4,593 9,364 8,159 3,116	53, 110 15, 822 695 3, 464 4, 586 9, 554 7, 921 3, 120	52,388 15,513 676 3,423 4,433 9,064 8,080 3,010	53,289 15,768 708 3,537 4,548 9,206 8,073 3,070	53,313 15,383 731 3,589 4,441 9,578 8,067 3,155	7 53, 857 7 15, 804 697 7 3, 607 7 4, 453 7 9, 297 7 8, 397 7 3, 162	54, 316 15, 924 729 3, 704 4, 474 9, 673 8, 215 3, 247	
By market category:† Home goods and apparel⊕ do. Consumer staples do. Equipment and defense prod., excl. auto.do. Automotive equipment do. Construction materials and supplies do. Other materials and supplies. Supplementary series: Household durables do. Capital goods industries do. Nondefense do. Defense do.	1 83,200 1 210, 221 1 147,173 1 86,063 1 83,256 1 436,796	1 93,039 1 217,379 1162,383 109,437 1 100,342 1 495,602 1 38,579 1181,624	7, 943 18, 297 13,815 9, 603 8, 505 41, 756 3, 263 15,450	7,973 18,317 14,663 11,711 8,898 42,913 3,319 16,446	8, 138 18, 594 14,297 10,267 8, 611 43,662 3, 333 16, 217	8, 285 19, 001 14,387 10,524 9, 233 44,703 3, 366 16.391	8, 398 19, 323 14,736 12, 142 9, 795 46, 815 3, 542 16,815	8, 294 19, 521 14,735 11, 293 9, 483 46,314 3, 373 16,730	8. 520 19,041 14,935 10,940 9. 431 46,591 3. 422 16,934	8, 579 19, 510 14, 736 11, 490 9, 665 46, 904 3, 631 16,581	8,716 19,065 14,830 11,105 9,480 46,012 3,507 17,107	8, 898 19,638 15,244 10,959 9, 985 46,652 3, 688 17, 436	3, 754 17, 511	r 9, 232 r 19, 555 r 15, 731 r 11, 305 r 10, 193 r 47, 103 3, 850 17, 975	9, 146 19, 982 15, 497 11, 335 10, 038 47, 297 r 3, 952 r 17, 870	² 4, 100 ² 18, 728
Nonderense		1155,317 126,307 167,299 105,516	13,206 2,244 166,528 105,193	13,931 2,515 167,299 105,516	13,570 2,647 169,300 107,378	13.776 2,615 170,396 108,439	108,726	14.234 2, 496 171,886 109,218	109,925	110,229	110,110	14, 935 2, 501 173,730 110,656	14, 943 2, 568 174,161 110,740	15, 432 2, 543 7175,392 7110,736	111, 463	\
Book value (seasonally adjusted) totalt do	155 693	61,783	61, 335 167, 114	61,783	61,922	61,957 168, 449	62, 092 169,379	62, 668 170,747	63,162 172,629	62, 793 173,818	62,792 174,571	63,074 175,104	63,421 176,164	7 64, 656 7176,789	64, 960 177, 101	-
By industry group: Durable goods industries, total 9 do. Stone, clay, and glass products. do. Primary metals. do. Blast furnaces, steel mills. do. Nonferrous and other primary met. do.	1 3 848	105, 729 4, 194 17, 329 10, 179 6, 178	106, 128 4, 130 17, 178 10, 072 6, 126	1	106, 562 4, 248 17, 197 10, 148 6, 100	107, 222 4, 234 17, 276 10, 154 6, 154	107,685 4,142 17,323 10,232 6,101	108,190 4, 193 17, 332 10, 215 6, 088	109,154 4, 258 17,584 10,444 6, 159	110,421 4, 251 17, 645 10, 500 6, 150	110,978 4, 321 17,819 10,591 6, 216	111,452 4, 314 17,759 10,519 6, 213	111,787 4,348 17,640 10,323 6,242	7 4, 415 7 17, 784 7 10, 355	112, 468 4, 564 17, 602 10, 088 6, 420	
Fabricated metal products	1	13, 173 23, 987 14, 112 19, 121 6, 301 4, 574	13, 183 23, 845 14, 009 20, 046 6, 974 4, 581	13, 173 23, 987 14, 112 19, 121 6, 301 4, 574	13, 344 24, 281 14, 054 19, 245 6, 429 4, 657	13, 249 24, 253 14, 317 19, 512 6, 540 4, 687	13, 265 24, 417 14, 647 19, 428 6, 548 4, 728	13, 332 24, 476 14, 741 19, 594 6, 476 4, 721	13,396 24,566 15,088 19,735 6,624 4,785	13, 472 24, 871 15, 343 20, 370 7, 191 4, 735	13,682 25,018 15,250 20,377 7,079 4,839	13,763 25,148 15,379 20,555 7,112 4,878	13,897 25,242 15,488 20,537 7,066 4,933	r 13, 893	13, 976 25, 586 15, 512 20, 424 7, 264 5, 027	
By stage of fabrication:† Materials and supplies 9		34, 621 8, 059 10, 794 4, 586	35, 320 7, 864 11, 013 5, 264	34,621 8,059 10,794 4,586	35,141 8,044 10,876 4,800	35, 229 8, 174 10, 842 4, 845	35, 798 8, 354 10, 985 4, 815	35, 758 8, 300 10, 865 4, 801	36,615 8, 267 11,003 5, 448	37, 289 8, 287 11, 148 5, 885	37,209 8,379 11,237 5,707	37,312 8,274 11,227 6,026	37, 358 8, 131 11,571 6, 012	7 37, 394 7 8, 250 7 11, 479 7 6, 001	37, 318 8, 035 11, 573 5, 988	
Work in process Q do. Primary metals do. Machinery (elec. and nonelec.) do. Transportation equipment do.		43, 020 5, 950 16, 277 12, 059	43, 005 5, 967 16, 112 12, 160	43, 020 5, 950 16, 277 12, 059	43, 235 5, 838 16, 455 11, 972	43, 611 5, 846 16, 564 12, 206	43, 343 5, 743 16, 660 12, 188	43, 805 5, 651 17, 003 12, 364	43,339 5,789 17,079 11,758	43, 584 5, 809 17, 231 11, 692	44,120 5,892 17,199 11,936	44,529 5,977 17,412 11,826	44,750 5,954 17,594	7 44, 430 7 5, 842	44, 910 5, 857 17, 842 11, 592	
Finished goods ? do Primary metals do Machinery (elec. and nonelec.) do Transportation equipment do		28, 088 3, 320 11, 028 2, 476	27, 803 3, 347 10, 729 2, 622	28, 0°8 3, 320 11, 028 2, 476	28, 186 3, 315 11,004 2,473	28, 382 3, 256 11, 164 2, 461	28, 544 3, 226 11, 419 2, 425	28, 627 3, 381 11, 349 2, 429	29,200 3,528 11,572 2,529	29, 548 3, 549 11, 835 2, 793	29,649 3,548 11,832 2,734	29,611 3,508 11,888 2,703	29,499 3,555 11,565 2,787	730,080 73,692 711,786 72,742	11, 683	
Nondurable goods industries, total ? do Food and kindred products. do Tobacco products. do Textile mill products. do Paper and allied products. do Chemicals and allied products. do Petroleum and coal products. do Rubber and plastics products. do By stage of fabricetion:	14, 328 3, 295 4, 834 4, 646 11, 695 4, 710 3, 652	60, 858 15, 648 3, 508 5, 253 5, 200 13, 032 5, 148 3, 888	60, 986 15, 694 3, 630 5, 176 5, 292 13, 088 5, 053 3, 855	60, 858 15, 648 3, 508 5, 253 5, 200 13, 032 5, 148 3, 888	60, 920 15, 775 3, 471 5, 269 5, 220 13.009 5, 156 3, 965	61, 227 15, 973 3, 518 5, 360 5, 273 12, 991 5, 083 4, 000	61, 694 16, 130 3, 484 5, 368 5, 352 12, 962 5, 156 4, 079	62, 557 16, 530 3, 549 5, 426 5, 439 13, 038 5, 252 4, 016	63, 475 16,819 3,582 5, 473 5, 534 13,152 5, 467 4, 087	63, 397 16, 360 3, 596 5, 473 5, 568 13, 306 5, 546 4, 104	63,593 16,127 3,647 5,464 5,625 13,549 5,654 4,112	63,652 16,120 3,561 5,461 5,649 13,746 5,686 4,137	64,377 7 16,390 3,712 5,413 5,628	764, 885 716, 667 3, 646 75, 410 75, 675 714, 177 75, 855 74, 171	64, 633 16, 240 3, 650	
Materials and supplies do Work in process do Finished goods do		26, 013 9, 182	25, 843 9, 171 25, 972	26, 013 9, 182	25,678 9,067 26,175	25, 988 9, 141 26, 098	26, 405 9, 356 25, 933	26, 810 9, 379	27,068 9,422 26,985	26, 842 9, 429 27, 126	26,701 9,574 27,318	26,579 9,547 27,526	9,629	726, 696 79, 741 728, 448	26, 452 9, 778 28, 403	

r Revised. 1 Based on data not seasonally adjusted. 2 Advance estimate; total mfrs. shipments for Nov. 1977 do not reflect revisions for selected components. 1 Revised series. Data revised back to Jan. 1958 to reflect (1) updating of benchmarks used in developing shipments and inventory estimates, (2) recalculation of estimated new orders. (3) changes required to conform to revised 1972 SIC categories, and (4) use of new seas. adj. factors. A detailed description of this comprehensive revision and historical data appear in report M3-1.6, "Man-

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76		1	1	,		19	77		1	· · · · · · · · · · · · · · · · · · ·		
the 1975 edition of BUSINESS STATISTICS	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	GEN	NERAI	BUS	SINE	SS IN	DICA	TOR	S—Co	ntin	ıed			-,	· · · · · · · · · · · · · · · · · · ·		
MANUFACTURERS' SALES, INVENTORIES, AND ORDERS†—Continued																
Inventories, end of year or month†—Continued Book value (seasonally adjusted)—Continued By market category.† Home goods and apparel	13, 005 21, 526 38, 429 7, 885 13, 323 61, 525	14, 039 23, 119 38, 842 8, 430 14, 161	14,143 23,367 38,943 8,993 13,983 67,685	14,039 23,119 38,842 8,430 14,161 67,996	14,003 23,164 39,044 8,601 14,615 68,055	14, 056 23, 327 39, 231 8, 718 14, 663 68, 454	14, 296 23, 531 39, 393 8, 728 14, 560 68, 871	14,608 23,928 39,638 8,691 14,523 69,359	14,747 24,137 39,855 8,777 14,536 70,577	14,888 23,943 40,267 9,363 14,290 71,067	14, 699 23, 962 40, 701 9, 189 14, 465 71, 555	14, 708 24, 217 40, 901 9, 298 14, 462 71, 518	24, 911	r 14, 566 r 24, 914 r 41, 139 r 9, 315 r 14, 861 r 71, 994	14, 534 24, 797 41, 467 9, 511 14, 961 71, 831	
Other materials and supplies	6, 578 42, 341 35, 772 6, 568	67, 996 6, 923 43, 104 36, 527 6, 577	6, 996 43,124 36,277 6, 847	6, 923 43,104 36,527 6, 577	6, 936 43, 311 36, 702 6, 609	7, 117 43, 737 37, 112 6, 625	7, 275 43, 992 37, 475 6, 517	7, 407 4, 335 47, 733 36, 602	7, 494 44,671 38,034 6, 637	7, 565 45,206 38,332 6, 864	7, 487 45, 391 38, 455 6, 936	7, 559 45, 641 38, 715 6, 926	7, 517 45, 897 39, 043 6, 854	7, 488 745, 730 739, 134 6, 596	7, 447 46, 070 39, 444 6, 626	
New orders, net (not seas. adj.), total $\uparrow \triangle$ doDurable goods industries, totaldoNondurable goods industries, total \triangle do	1,027,905 505, 969 521, 936	1,183,468 608, 170 573, 796	100,039 51,386 48,653	99,575 52,139 47,436	98,810 51,048 47,762	107,879 55,651 52,228	114,873 60,900 53,973	113,054 59,824 53,230	111,066 58,899 52,167	117,795 63,372 54,224	103,311 53, 317 49, 994	111,036 57, 107 53, 929	117,055 61,713 55,342	*121,661 66,022 *55,639	115, 429 r61, 156 54, 450	160, 574
New orders, net (seas. adj.), total †△	505,969 71,792	21,183,468 609,450 90,046 45,846 34,956	52,235 7,529 3,650 3,080	106,608 57,040 7,252 3,808 2,629	105,288 55,037 7,987 4,054 3,040	106,575 55,133 7,974 4,068 3,031	59,160 8,647 4,304 3,438	58,652 7,904 3,906 3,102	59,176 9,079 5,089 3,062	58,378 7,959 3,945 3,077	56, 031 8, 311 4, 316 3, 057	58, 270 8, 576 4, 382 3, 234	58, 048 8, 692 4, 513 3, 208	62, 503 8, 094 7 4, 140 7 3, 010	116, 098 r61, 984 r 8, 901 4, 753 3, 128	165, 373 1 8, 772
Fabricated metal productsdo Machinery, except electricaldo Electrical machinerydo Transportation equipmentdo Aircraft, missiles, and partsdo	61, 720 109, 511 26, 316	79, 256 108, 236 74, 111 138, 649 30, 009	6, 805 9, 211 6, 433 12,102 2, 882	7,072 9,509 7,127 15,487 3,924	6, 924 10, 219 6, 871 12,630 2, 311	6, 960 9, 998 6, 713 12,614 2, 329	7, 832 9, 991 6, 338 14,564 2, 887	7, 363 9, 791 6, 941 15,128 4, 252	7, 337 10,143 7, 163 14,179 3, 421	7, 236 10,572 6, 866 14, 725 3, 814	6, 798 10, 130 6, 901 12, 667 2, 123	7, 346 10, 897 6, 973 12, 417 2, 183	7, 204 10, 823 7, 070 13, 145 2, 682	7,759 711,162 77,112 16,141 74,251	8, 054 10, 854 7, 612 14, 413 3, 210	116, 557
Nondurable goods industries, total△do Industries with unfilled orders⊕do Industries without unfilled orders¶△do	521, 936 113, 179 408, 757	574, 016 127, 856 446, 160	48, 549 11,243 37, 306	49, 560 11, 289 38, 271	50, 251 11, 019 39, 232	51, 442 11, 240 40, 202	52, 628 11, 772 40, 856	52,895 11,789 41,106	52,517 11,484 41,033	53,146 11,787 41,359	52, 567 11, 756 40, 811	53, 224 11, 922 41, 302	11,985	754, 040 712, 038 742, 002	54, 308 11, 971 42, 337	
By market category:† Home goods and apparel△ do. Consumer staples do. Equip. and defense prod., excl. auto do. Automotive equipment do. Construction materials and supplies do. Other materials and supplies do. Supplementary series: Household durables do.		293, 224 217, 424 2163,818 110,631 299, 180 2498, 255 238, 599	7, 945 18,274 13,897 9, 628 8, 721 42,319 3, 284	7, 981 18,310 15,929 11,800 9,075 43,505	8, 171 18, 624 13,994 10, 482 8, 733 45, 284 3, 351	8, 413 19, 008 14,323 10, 717 9, 227 44, 884 3, 510	8, 273 19, 316 14,478 12, 413 9, 706 47, 570 3, 425	8, 377 19, 514 16, 169 11, 627 9, 545 46,315 3,443	8, 588 19,032 15,948 11,074 9, 564 47,487 3, 493	8, 549 19,531 15, 799 11,542 9, 683 46,440 3, 587	8, 796 19, 108 14, 484 11, 022 9, 418 45, 770 3, 589	9, 161 19, 660 14, 332 11, 076 10, 129 47, 136 3, 931	9, 025 19, 432 15, 242 11, 016 9, 883 47, 843 3, 773	7 9, 481 7 19, 536 7 17, 899 7 11, 443 7 10, 300 7 47, 894 4, 066	9, 201 19, 968 17, 194 11, 209 10, 654 47, 872 7 3, 944	1 4, 225
Household durables do Capital goods industries do Nondefense do Defense do	² 155, 968 ² 130,782 ² 25, 185	² 183,614 ² 153,845 ² 29, 338	15.875 12,734 3,141	17, 885 13, 835 4, 050	16,570 14,621 1,949	16,136 14,249 1,887	3, 425 16,775 14,561 2, 214	18,276 14,679 3,597	18,293 15,000 3,293	17,717 15,535 2, 182	16, 341 14, 409 1, 932	16, 676 14, 678 1, 998	17, 819 16, 189 1, 630	20,770	7 19, 453 7 16, 883 7 3, 570	121, 569 117, 443 14, 326
Unfilled orders, end of year or month (unadjusted), total†	170.24 3 162,726 7,517	174, 222 166, 408 7, 814	172,646 165,040 7,606	174,222 166,408 7,814	17 6,648 168,599 8,049	177,780 169, 532 8, 248	178,45 3 169,884 8, 569	180,255 171,526 8,729	180,563 172,024 8,539	181,521 173,045 8, 476	182,632 173, 984 8, 648	183,774 175,322 8, 452	183,974 175, 617 8, 357	r187,386 r178,950 r 8, 436	189, 255 r180,840 8, 437	183,719
Unfilled orders, end of year or month (seasonally adjusted) total†mil. \$ By industry group: Durahle goods industries, total 9do. Primary metalsdo. Blast furnaces, steel millsdo. Nonferrous and other primary metdo.	171,438 163,582 14,742 9,287 4,091	175, 453 167, 261 16, 004 9, 993 4, 980	173,333 165,519 16,051 9,768 5,261	175,453 167,261 16,004 9,993 4,980	177,179 168, 962 16, 658 10, 580 5, 000	180 204	178,167 169,704 17, 122 10, 977 5, 063	171 597	182,301 174,047 17,673 11,696 4,807	183,150 174,859 17, 205 11,171 4,834	182,541 174, 072 17, 342 11, 239 4, 880	174 245	174, 682	17, 733 11, 385	r180.750	1184,548 118, 487
Fabricated metal products	21, 239 59, 236	23, 302 43, 808 23, 251 52, 753 34, 746 8, 192	23,192 43,843 22,812 51,445 33,553 7,814	23,302 43,808 23,251 52,753 34,746 8,192	23, 464 44, 279 23, 575 52, 744 34, 793 8, 217	23, 374 44, 419 23, 741 52, 534 34, 537 8, 229	23, 501 44,361 23, 437 52, 729 34, 692 8, 463	23,494 44,133 23,772 54,517 36,387 8,478	23,577 44,215 24,383 55,371 36,941 8,254	23, 353 44, 894 24,497 56, 234 38,022 8, 291	23, 179 44, 988 24, 500 55, 351 37, 425 8, 469	23, 222 45, 420 24, 556 54, 575 36, 928 8, 401	22, 995 45, 909 24, 679 54, 114 36, 839 8, 484	r 23, 152 r 46, 462 r 24, 740 56, 431 r 38, 199 r 8, 667	23, 786 46, 736 25, 127 57, 327 38, 860 8, 658	159, 816
By market category:† Home goods, apparel, consumer staples. do Equip. and defense prod., incl. auto do Construction materials and supplies do Other materials and supplies do Supplementary series: Household durables do	3, 209 98, 742 19, 197 50, 290 2, 623	3, 302 101, 063 18, 014 53, 074 2, 644	3, 303 99,712 17,836 52,482 2,650	3, 302 101,063 18,014 53,074	3, 366 100,978 18, 135 54, 700 2, 663	3, 501 101,108 18, 129 54, 885 2, 807	3, 370 101,119 18, 040 55, 638 2, 692	3, 445 102,888 18,102 55,630 2, 761	3,507 104,032 18,235 56,527 2,835	3, 498 105,534 18,253 56,065	3, 622 104,906 18, 191 55, 822 2, 874	18, 335 56, 297 3, 115	* 3, 916 * 103,950 * 18, 068 * 57, 232 3, 135	4, 147 106,247 18, 175 58, 021 3, 352	18, 792 58, 595	1 3, 469
Capital goods industries do Nondefense do Defense do .	108,533 79,323 29,210	110,060 77,829 32,231	108,623 77,925 30,698	110,060 77,829 32,231	110, 415 78, 879 31, 536	110, 163 79, 354 30, 809	110,119 79,708 30, 411	111,664 80,152 31,512	113,020 80,794 32,226	114,159 82,302 31,857	113, 391 82, 179 31, 212	112,630 81, 923 30, 707	112, 935 83, 167 29, 768	115, 730 84, 236	r117,310 r84,892 r32,418	1120,351 186, 299
BUSINESS INCORPORATIONS⊙ New incorporations (50 States and Dist. Col.): Unadjustednumber Seasonally adjusteddodo	326,345	375, 766	29, 845 33, 496	33, 562 33, 495	33, 852 34, 508	30, 348 33, 095	35,130 33,394	35, 797 33, 707	36, 577 34, 442	39, 909 37, 229	35, 963 35, 749	39, 169 •39, 525	°36, 110 37, 812	36, 701 38, 919		
INDUSTRIAL AND COMMERCIAL FAILURESO											£10	687				
Failures, total number Commercial service do Construction do Manufacturing and mining do Retail trade do Wholesale trade do	11, 432 1, 637 2, 262 1, 645 4, 799 1, 089	9, 628 1, 331 1, 770 1, 360 4, 139 1, 028	770 101 153 101 317 98	696 99 128 105 295 69	664 87 107 74 315 81	693 85 142 114 284 68	858 104 158 110 398 88	804 109 137 108 367 83	724 99 147 102 300 76	732 94 139 98 319 82	513 63 83 91 223 53	95 129 85 293 85			7	
Liabilities (current), total thous. \$. Commercial service do Construction do Manufacturing and mining do Retail trade do Wholesale trade do Failure annual rate (seasonally adjusted)	475, 485 640, 845	490, 140 428, 737	277, 598 35, 323 21, 647 123, 329 39, 296 58, 003	200, 441 21, 163 56, 468 47, 747 43, 259 31, 804	168, 539 27, 408 24, 419 63, 480 36, 825 16, 407	194,197 41, 971 29, 435 72, 809 33, 854 16, 128	248, 196 37, 873 33, 487 71, 219 54, 743 50, 874	207, 272 45, 938 40, 516 43, 570 58, 477 18, 771	14, 647 141, 306 52, 094 37, 874	21, 041 29, 165	89, 511 9, 653 443, 140 18, 494	338, 252 21, 671 26, 658 91, 859 60, 813 137, 251				

r Revised. p Preliminary. Advance estimate: totals for mfrs. new and unfilled orders for Nov. 1977 do not reflect revisions for selected components. 2 Based on unadjusted data. See corresponding note on p. S-6. Includes data for items not shown separately. A See note marked "#" on p. S-5. Uncludes textile mill prod., leather and prod., paper and allied prod., and print. and pub. ind.; unfilled orders for other nondurable goods are zero.

[¶] For these industries (food and kindred prod., tobacco mfs., apparel and other textile prod., petroleum and coal prod., chem. and allied prod., rubber and plastics prod.) sales are considered equal to new orders. ⊙ Compiled by Dun & Bradstreet, Inc. (failures data for 48 States and Dist. of Col.; Hawaii included beginning July 1975; Alaska, beginning Sept. 1976). ∘ Corrected.

### PRICES RECEPTER ALD PAID NOT ** **FINES RECEPTER ALD PAID NOT ** **F	Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	1!	976						19)77					
PRICES RECEIVER AND PAID VY PARMEIRS There products. 1980-14-10. 10		An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TARNESSIST. Trees received, all part postertic 1961-14-100. 4 dis 40		· · · · · · · · · · · · · · · · · · ·		C	OMM	ODIT	Y PR	ICES		·		<u></u>				-	
Communical vegetables 40-40 409 407 456 677 470 670 492 440 800 808 409 407 407 400 400 400 400 400 400 400 400	PRICES RECEIVED AND PAID BY FARMERS;					}											
Generated vegetables		i	1		1	ŀ	l	1		i	!	j	1	1		į	453
Configuration of the property	Crops Q do do do do do do do do do do do do do	458	456	482	456	574	637	641	507	482	435	447	438	449	476	r 525	412 444
Frigit	Cotton			322	533 347	361		365	359	352	328		2 6 0	499 255	264	r 290	412 302
Telephone	Food grainsdo			283 295			287 276		277	261 374		243 342					309 421
Date packeds. — 6. S57 001 660 1866 1869 1846 177 177 178 1846 1869 1841 1841 1841 1841 1841 1841 1841 184	Tobaccodo	899	907	948	973	959	954	957	967	966	966	841	977	1,074	i		1,015
Metantanishi. — 6. — 63 200 201 201 201 200 201 201 201 201 201	Livestock and products Qdodo	537	591		595	590	584			571		581	593	612	624	* 624	624
Prices parish:	Meat animalsdo						546 252		551 232	585 220	568 217	590 231	579 223				584 219
Faculty through terms	Prices paid:													500	701	*00	F00
Production Hermit	All commodities and servicesdo	533	563	575	578	² 553	2 556	2 562	2 565	² 570	2 573	2 577	2579	2 582	584	2 585	2 588
regardes (neitry indee)	Production itemsdo	528	560	554	559	569	578	583	592	594	588	582	576	ĺ			579
Communities Communities	wage rates (parity index)1910-14=100_		1 1		1					1	_	ì	1	1			689
Composition Composition		76	71	66	68	68	69	69	69	70	67	65	64	64	00	7 00	66
NAS Seasonally Adjusted No. 5 No. 5																	
Special group indexes:	Not Seasonally Adjusted		150 -							100 0			100.0	104.0	104 5	105 4	100.1
All items less releter. do 100, 100, 100, 201, 71, 71, 72, 101, 110, 110, 110, 110, 110, 110, 11		161.2		173.8	1 1	175.3	177.1					!	1		1		
All items less medical enne	All items less shelterdo		167.5		172.2 172.2			176. 1 175. 1		178.4 177.3				180.9	181.6	182.5	183. 1
Nondurables less food. 60. 183.2 180.2 171.3 171.7 172.4 172.6 172.0 172	All items less medical caredo		169.7		173.2			177. 0	178.4	179.4	180.6	181.4	182.0	1	ļ		184.7
Nondambles less food. 0.0															181.4		178.3 182.9
Commodities less food, do 16,1 194,6 160,5 160,6 161,6 162,6 162,6 162,7 162,6 162,6 162,7 162,6 162,6 162,7 162,6 162,7 162,6 162,7 162,7 162,6 162,7 162	Nondurables less fooddodo	151.7		161.9	162.3	161.9	163.1	163.9	164.7	165.7	166.6	166.6			169. 2 165. 0		170.3
Services less rent	Commodities less fooddodo	149.1	156.6	160, 3	160, 6	160.6	161.6	162.6	163.6	164.7	165. 4	165, 6	166.0	166.7	167.4	168.1	168.4
Mests, poultry, and fish.			186.8										203.8	205. 3	206. 2	207. 2	208. 2
Daily products. do	Food Qdo																196.3 182.1
Housing	Dairy productsdo	156. 6	169.3	171.7	171.4	171.3	171.1	171.2	171.4	173.1	174.3	174.1	175.1	175.4		176. 5 188. 7	176.9
Selecter 9	-	Í				i	1	j					ŀ	İ	1		195.7
Homeovnership	Shelter Qdo	169.7	179.0	182.1	182.4	184.1	185. 3	186. 3	187.7	188.9	190.3	192. 2	193.2	194.7			198. 2
Gas and electricity	Homosynovskin do	181.7	191.7	194.8	195.0	196.7	198.1	199. 3	201.0	202, 3	203.9	206.2	207.4	209.1	210.0	211.5	213.0
Household furnishings and operation. do. 188.1 188.5 171.7 172.3 172.6 173.6 174.6 174.6 174.7 177.1 177.4 178.1 178.9 179.5 180.1 181. Apparel and upkeep do. 142.8 147.6 161.9 151.8 150.0 150.8 171.6 177.5 172.1 172.1 172.1 172.1 172.2 173.2 174.1 172.2 173.2 174.0 172.2 173.2 174.1 172.1 172.1 172.2 173.2 174.1 172.2 173.2 174.1 172.1 172.1 172.1 172.2 173.2 174.1 174.2 174.	ruei on and coaldodo	235. 3	250.8	258.0	264.5	271.7	278.3	281.4	282.0	282.6	283.1	283.7	284.1	285.1	287. 2	289. 9	291.9
Apparel and upkeep	Gas and electricity do Household furnishings and operation do																218.9 181.1
Private.	Apparel and upkeepdodo											153.4					158. 2
New cars. do. 127,6 135.7 130.7 140.4 141.1 140.7 140.9 140.6 141.4 141.7 141.6 141.6 141.1 145.7 148.2 130.6 140.6 141.4 141.7 141.6	Privatedo		164.6		170.7								178. 2	177.8	177.9	178.0	178.0
Public do 158.6 174.2 177.6 178.0 178.0 178.7 180.4 180.4 180.5 183.2 183.5 183.1 184.4 184.7 185.4 186.4 186.2 186.							140.7	140.9			141.7						$150.5 \\ 170.7$
Medical care do. 188.6 184.7 191.3 192.3 194.1 195.8 197.6 190.1 200.5 201.8 203.5 204.9 203.5 204.5 204.9 204.5 204.	Publicdodo	158.6	174.2	177.6	178.0	178.7	178.9	180. 4	180.4	181.5	183. 2	183. 5	183.5	184.1	184. 4	1	185. 7
Personal care	Medical caredo				192. 3					200.5			204.9	206.3	207. 2	208.1	209.3
Seasonally Adjusted	Personal caredodododo	150.7					166.7	167. 3	168, 4 156, 0		170.6 157.6		172. 1 158. 1			175, 5 160, 9	176.3 161.3
Dommodities 1967 100	Seasonally Adjusted¶		i		į											1	
Commodities less food do	All items, percent change from previous month																0.4 178.3
Food at home	Commodities less fooddo			159.6	r 160. 5	a 161. 6	162.7	163. 4	164.0	164.7	165.1	165.3	165.8	166.2	166.7	167.5	168.3
Fuel oil and coal.												191. 9	192. 3	192.4	192, 5	193. 9	194. 1
Apparel and upkeep do do do do do do do do do do do do do	Fuels and utilitiesdodo													206. 9 290. 9	208.3 291.0		$207.4 \\ 288.4$
Private do 170.3 171.5 a 173.0 174.8 175.7 177.4 177.6 177.5 177.4 177.0 177.5 177.4 177.6 177.5 177.4 177.0 177.5 177.4 177.0 177.5 177.4 177.0 177.5 177.4 177.0 177.5 177.4 177.0 177.5 177.4 177.0 177.5	Apparel and upkeepdodo						1	1			1	1	155.4	155, 4	155.6	156, 3	156.9
New cars. do. 138.6 139.2 *140.0 140.1 140.6 140.5 141.7 142.0 142.3 143.2 144.0 144.8 147.0 149.5 Services. do. 184.8 185.5 *187.2 188.4 189.9 191.4 192.7 194.2 195.7 196.7 197.7 198.4 199.2 290. WHOLESALE PRICES of (U.S. Department of Labor Indexes) Not Seasonally Adjusted Spot market prices, basic commodities: 22 Commodities. 1967=100 198.2 1201.0 197.2 200.6 207.3 213.0 218.4 220.8 218.7 208.5 204.1 200.8 201.3 203.3 205.9 212.9 9 Foodstuffs. 200.8 188.4 189.9 191.4 192.7 194.2 195.7 196.7 196.7 196.7 196.7 203.3 208.0 212.0 219.0 219.4 211.3 203.8 198.0 198.9 201.2 208.8 215.1 188.4 189.9 191.4 191.5 206.4 204.1 202.7 202.9 204.7 203.8 210.9 190.0 19	Prinsportation. do													177.7			179.3 178.7
WHOLESALE PRICES (U.S. Department of Labor Indexes) Not Seasonally Adjusted Spot market prices, basic commodities: 22 Commodities. 1967 = 100 198, 2 1201, 0 197, 2 200, 6 207, 3 213, 0 218, 4 220, 8 218, 7 208, 5 204, 1 200, 8 201, 3 203, 3 205, 9 212, 9 200, 6 201, 3 203, 3	New carsdo									141.7		142.3	14 3 . 2	144.0	144.8	147. 0	149.2
Not Seasonally Adjusted Spot market prices, basic commodities: 22 Commodities. 1967=100. 198, 2 1201.0 191.7 196.7 203.3 203.0 212.0 219.0 219.0 219.4 211.3 203.8 198.0 198.9 201.2 208.8 215.7 13 Raw industrials. 18 Raw industrials. 18 1 180.4 1200.6 201.0 203.2 210.2 216.4 222.8 221.9 218.1 206.4 204.1 202.7 202.9 204.7 203.8 210.5 210.2 216.4 222.8 221.9 218.1 206.4 204.1 202.7 202.9 204.7 203.8 210.5 210.2 216.4 222.8 21.9 21.9 21.0 219.0				184.8	185. 5	a 187. 2	188. 4	189. 9	191.4	192.7	194.2	195. 7	196.7	197, 7	198, 4	199, 2	200. 1
spot market prices, basic commodities: 22 Commodities. 1967=100 198, 2 1201.0 197.2 200.6 207.3 213.0 218.4 220.8 218.7 208.5 218.7 208.5 218.7 208.5 218.7 208.8 218.7 208.							1				ĺ		!				
22 Commodities 1967=100 198, 2 1201.0 197.2 200.6 207.3 213.0 218.4 220.8 218.7 208.5 204.1 200.8 201.3 203.3 208.9 212.0 19 20 20 20 20 20 20 20 20 20 20 20 20 20	Not Seasonally Adjusted		1		Ì	į		1		Ì							
13 Raw industrials do 180.4 1200.6 201.0 203.2 210.2 216.4 222.8 221.0 218.1 266.4 204.1 202.7 202.9 204.7 203.8 210.9 210.0 2	Spot market prices, basic commodities:	1 100 0	1 201 0	107.9	200.6	907.9	212 0	010 4	220 8	218 7	200 5	204 1	200.8	201.3	203.3	205. 9	212. 7
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	9 Foodstuffs do	1 227.3	1 201. 6	191.7	196.7	203.3	208.0	212.0	219.0	219.4	211.3	203.8	198.0	198, 9	201. 2	208, 8	215. 1
By stage of processing: Crude materials for further processing. do 196.9 205.1 204.5 207.9 208.1 215.5 219.9 226.1 224.4 215.4 213.2 207.3 207.8 208.0 210.5 215. Intermediate materials, supplies, etc. do. 180.0 180.3 193.1 194.0 195.0 196.6 188.7 201.2 202.1 202.0 202.7 203.4 204.2 204.4 204.8 205.8 Finished goods O. do. 163.4 170.3 172.3 174.0 175.1 176.6 177.5 178.8 180.3 180.5 181.3 181.8 181.8 183.9 184.5 185. Consumer finished goods. do. 163.6 169.0 170.1 172.0 173.2 175.0 176.1 177.5 178.8 180.3 180.5 181.3 181.8 181.8 183.9 184.5 185. Producer finished goods. do. 162.5 173.2 177.6 178.7 179.6 180.2 180.7 181.6 182.4 183.1 183.8 184.7 185.6 189.9 190.8 191.8 By durability of product: Durable goods. do. 165.8 176.0 180.0 181.1 182.3 183.0 184.8 185.9 186.4 186.7 188.2 189.5 190.8 192.6 192.9 193.8 Nondurable goods. do. 181.7 188.0 189.3 191.2 191.9 195.0 197.1 200.5 201.7 199.9 199.4 197.8 198.0 198.4 199.4 200.5 199.4 191.0 191.1 191.9 193.1 193.7 194.5 194				1		- 1		1	i	i	ì					i	198. 2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	By stage of processing:		į		· I			!									215, 6
Consumer finished goods. do 163.6 169.0 170.1 172.0 173.2 175.0 176.1 177.5 179.4 179.3 180.2 179.7 180.2 181.4 181.8 182.9 Producer finished goods. do 162.5 173.2 177.6 178.7 179.6 180.2 180.7 181.6 182.4 183.1 183.8 184.7 185.6 189.9 190.8 191.4 181.9 Durable goods. do 165.8 176.0 180.0 181.1 182.3 183.0 184.8 185.9 186.4 186.7 188.2 189.5 190.8 192.6 192.9 193.8 Nondurable goods. do 181.7 188.0 189.3 191.2 191.9 195.0 197.1 200.5 201.7 199.9 199.4 197.8 198.0 198.4 199.4 200.8 Total manufactures. do 171.1 179.0 181.9 183.2 184.2 185.9 189.9 190.2 190.4 191.0 191.1 191.9 193.1 193.7 194.5	Intermediate materials, supplies, etc. do	180.0	189.3	193. 1	194.0	195.0	196.6	198.7	201.2	202.1	202.0	202.7	203.4	204. 2	204. 4	204.8	205, 3
Producer finished goods. do 162.5 173.2 177.6 178.7 179.6 180.2 180.7 181.6 182.4 183.1 183.8 184.7 185.6 189.9 190.8 191.5 189.4 urability of product: Durable goods. do 165.8 176.0 180.0 181.1 182.3 183.0 184.8 185.9 186.4 186.7 188.2 189.5 190.8 192.6 192.9 193.8 Nondurable goods. do 181.7 188.0 189.3 191.2 191.9 195.0 197.1 200.5 201.7 199.9 199.4 197.8 198.0 198.4 199.4 200.8 Total manufactures. do 171.1 179.0 181.9 183.2 184.2 185.4 186.9 188.9 190.2 190.4 191.0 191.1 191.9 193.1 193.7 194.5	Consumer maished goodsdo	163.6	169. 0	170.1	172.0	173.2	175.0	176. 1	177.5	179.4	179.3	180. 2	179.7	180. 2	181.4	181.8	182.9
Durable goods do 165.8 176.0 180.0 181.1 182.3 183.0 184.8 185.9 186.4 186.7 188.2 189.5 190.8 192.6 192.9 193.5 Nondurable goods do 181.7 188.0 189.3 191.2 191.9 195.0 197.1 200.5 201.7 199.9 199.4 197.8 198.0 198.4 199.4 200.8 Total manufactures do 171.1 179.0 181.9 183.2 184.2 185.4 186.9 188.9 189.2 190.4 191.0 191.1 191.9 183.1 193.7 194.5	By durability of product:	162.5	173.2		178.7		180. 2			182. 4	183.1					i	
Total manufactures. do 171.1 179.0 181.9 183.2 184.2 185.4 186.9 188.9 190.2 190.4 191.0 191.1 191.9 193.1 193.7 194.5	Durable goodsdo																19 3 , 8 200, 8
	Total manufacturesdo	171.1	179.0	181.9	183. 2	184. 2	185.4	186.9	188. 9	190.2	190.4	191.0	191.1	191.9	193.1	193.7	194. 5 194. 0
	Nondurable manufacturesdodo	165. 6 176. 6	175.6 182.1	180. 0 183. 4	181. 0 185. 0	182. 1 185. 8	182. 9 187. 6	184. 3 189. 2	$184.5 \\ 192.0$		186.6 193.9						194.4

^{*}Revised. **Preliminary. **See note*** for this page. 1 Computed by BEA.

2 Beginning Jan, 1977, the consumer price index replaces the family living items index.

†Data revised back to 1965 to reflect new base weights; comparable data for earlier period will be shown later.

Q Includes data for items not shown separately.

§ Ratio of prices received

to prices paid (parity index). {Beginning Feb. 1977 SURVEY, data have been revised (backto 1967) to reflect new seasonal factors. \circ For actual wholesale prices of individual commodities see respective commodities. \circ Goods to users, incl. raw foods and fuels.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Ann	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		CO	MMO	DITY	Y PRI	CES-	-Con	tinue	d							
WHOLESALE PRICES & Continued (U.S. Department of Labor Indexes)—Continued																
All commodities—Continued Farm prod., processed foods and feeds 1967=100. Farm products ?	184. 2 186. 7 183. 7 223. 9 189. 8 187. 9	183, 1 191, 0 178, 4 205, 9 166, 9 173, 3	178. 3 183. 6 166. 5 175. 4 139. 1 154. 4	183. 9 191. 6 174. 5 180. 6 145. 7 166. 1	184. 8 193. 5 198. 5 184. 9 153. 7 166. 0	188. 4 199. 1 *212. 7 185. 8 183. 7 166. 2	190. 9 202. 5 219. 2 183. 4 177. 2 163. 5	195. 9 208. 2 205. 7 184. 4 182. 3 167. 9	196. 8 204. 3 201. 8 171. 2 183. 1 180. 2	191. 5 192. 7 176. 2 157. 7 182. 7 172. 3	189. 3 190. 5 182. 0 153. 3 193. 7 180. 5	184. 2 181. 2 176. 4 142. 5 176. 1 175. 2	183. 9 181. 9 182. 8 144. 2 181. 7 172. 9	184. 2 182. 4 187. 9 144. 7 170. 5 177. 5	186. 8 185. 5 192. 9 164. 6 162. 7 171. 6	189. 5 188. 3 170. 1 167. 3 157. 8 182. 7
Foods and feeds, processed 9	182. 6 162. 4 178. 0 155. 8 169. 8 191. 0	178. 0 173. 5 172. 1 168. 5 170. 2 181. 6	174. 8 178. 8 168. 7 168. 1 175. 7 168. 4	179. 0 183. 8 168. 6 167. 3 175. 6 176. 9	179. 3 184. 1 168. 4 166. 8 175. 4 176. 6	181. 9 189. 3 169. 9 166. 9 182. 9 177. 4	183. 9 199. 6 171. 5 168. 0 184. 0 174. 2	188. 5 202. 1 171. 6 173. 5 185. 2 174. 9	191. 9 206. 0 172. 0 174. 2 185. 8 183. 8	190. 1 207. 7 171. 3 174. 3 187. 8 183. 4	187. 8 204. 7 172. 0 175. 1 188. 5 189. 5	185. 1 205. 5 172. 1 175. 3 190. 1 182. 7	184. 2 204. 8 172. 8 175. 7 191. 2 182. 7	184. 5 204. 3 175. 4 175. 9 190. 3 184. 7	186. 7 200. 6 179. 7 176. 9 193. 0 183. 4	189. 3 201. 3 182. 0 178. 2 194. 4 190. 8
Industrial commoditiesdo	171.5	182, 4	187.1	187. 4	188. 4	190, 0	191.7	193. 3	194. 2	194.6	195.8	196.9	197.8	199, 1	199. 2	200, 0
Chemicals and allied products 9. do. Agric, chemicals and chem. prod. do. Chemicals, industrial. do. Drugs and pharmaceuticals. do. Fats and oils, inedible. do. Prepared paint. do.	181. 3 203. 6 206. 9 126. 6 255. 2 166. 9	187. 2 188. 3 219. 3 134. 0 249. 9 174. 4	188. 6 184. 1 222. 6 135. 9 251. 2 177. 3	188. 2 183. 4 221. 5 136. 4 254. 6 177. 3	188. 9 182. 2 222. 1 137. 5 253. 9 177. 3	190. 1 183. 5 222. 9 138. 4 253. 9 177. 3	191. 2 187. 1 222. 4 139. 0 273. 7 178. 9	192. 9 189. 0 223. 5 139. 6 304. 9 180. 6	194. 0 187. 7 224. 0 139. 7 337. 5 181. 7	193. 9 189. 0 224. 1 140. 8 318. 8 182. 3	193. 5 188. 4 224. 4 141. 2 281. 9 183. 9	193. 5 188. 9 224. 7 141. 2 268. 9 183. 9	193. 2 189. 9 224. 2 141. 4 246. 9 185. 1	193. 5 190. 0 224. 7 141. 8 260. 9 185. 1	193. 8 188. 1 224. 9 142. 2 265. 4 186. 7	193. 9 186. 9 225. 2 142. 9 266. 1 185. 9
Fuels and related prod., and power \(\text{\chickstyle{Q}} \)	245. 1 385. 8 193. 4 216. 7 257. 5	265. 6 368. 7 207. 6 286. 8 276. 6	281. 6 369. 1 214. 0 365. 0 285. 8	279. 0 374. 0 211. 5 337. 6 287. 6	278, 8 376, 3 214, 0 322, 2 289, 2	289. 1 377. 5 219. 8 363. 7 295. 1	293. 7 378. 8 223. 4 370. 9 301. 9	298. 8 379. 8 229. 4 379. 0 306. 8	302. 4 386. 9 230. 7 390. 2 310. 1	304. 0 390. 6 234. 4 386. 6 311. 6	306. 6 393. 0 239. 2 391. 9 312. 9	309. 5 394. 5 244. 7 400. 9 313. 0	309. 7 395. 2 242. 7 405. 4 312. 8	310. 6 397. 8 242. 6 407. 0 313. 8	310. 4 400. 1 237. 8 414. 1 313. 4	311. 9 402. 2 237. 2 422. 4 313. 7
Furniture and household durables ? do Appliances, household do. Furniture, household do. Home electronic equipment do	139. 7 132. 3 146. 3 93. 5	145, 6 139, 2 153, 6 91, 3	147. 5 140. 6 157. 5 91. 0	147. 9 141. 0 158. 6 90. 9	148. 8 141. 2 158. 7 89. 6	149. 1 142. 1 158. 9 89. 3	149. 6 142. 9 159. 7 89. 4	150. 1 143. 3 160. 7 88. 3	150. 6 143. 2 161. 1 88. 4	151. 3 144. 5 162. 2 88. 3	151, 2 145, 4 162, 8 86, 8	152. 4 146. 2 163. 1 86. 8	152. 5 147. 1 163. 1 86. 3	153. 0 147. 4 164. 1 86. 3	153. 6 7 147. 5 165. 1 86. 4	154. 0 147. 6 166. 4 86. 4
Hides, skins, and leather products ♀ do Footwear do Hides and skins do Leather do Lumber and wood products do Lumber	148. 5 147. 8 174. 5 151. 5 176. 9 192. 5	167. 8 158. 9 258. 4 188. 1 205. 6 233. 0	169. 8 162. 9 231. 8 191. 4 214. 3 244. 3	171. 5 • 162. 9 251. 2 191. 7 220. 0 252. 1	175. 3 164. 5 278. 9 192. 9 222. 8 257. 8	176. 9 165. 9 282. 5 201. 3 224. 4 259. 3	177. 9 166. 4 285. 9 201. 4 229. 0 266. 4	179. 9 167. 2 305. 0 204. 1 229. 8 268. 8	181. 9 168. 2 313. 0 210. 7 229. 5 267. 8	179. 7 168. 6 288. 8 202. 1 228. 7 264. 6	180, 3 170, 3 291, 5 198, 6 235, 5 275, 9	180. 5 170. 4 288. 3 200. 3 242. 7 286. 4	179. 9 170. 5 274. 4 200. 5 252. 4 301. 3	179. 6 171. 7 268. 3 196. 4 247. 3 292. 4	180. 3 172. 0 273. 2 197. 0 243. 2 284. 8	181. 8 172. 1 291. 9 200. 4 249. 1 291. 0
Machinery and equipment 9	161. 4 168. 6 185. 2 140. 7 171. 6	171. 0 183. 0 198. 9 146. 7 182. 7	174. 5 188. 8 204. 5 149. 5 187. 3	175. 4 190. 6 205. 8 150. 0 188. 7	176. 7 192. 3 208. 8 151. 3 190. 9	177. 5 193. 3 209. 1 151. 1 192. 7	178. 2 194. 5 208. 3 152. 0 193. 7	178. 9 194. 8 210. 2 151. 9 194. 7	180. 0 195. 1 213. 0 152. 7 195. 7	180. 8 196. 0 213. 2 153. 0 197. 9	181, 9 196, 6 214, 9 154, 1 199, 2	182. 8 198. 4 215. 8 154. 6 200. 6	183. 9 200. 4 215. 7 155. 8 201. 7	185. 7 201. 4 218. 3 157. 3 203. 6	186. 7 - 209. 1 221. 4 157. 8 204. 9	187, 3 205, 2 221, 8 157, 9 205, 8
Metals and metal products $^{\circ}$ do. Heating equipment do. Iron and steel do. Nonferrous metals do.	185. 6 150. 7 200. 9 171. 6	195. 9 158. 0 215. 9 181. 6	200, 1 160, 9 218, 9 187, 5	200, 9 161, 8 222, 6 185, 1	202, 1 162, 9 224, 2 185, 3	203. 2 163. 1 224. 7 188. 3	206. 5 163. 7 227. 4 195. 8	208. 2 163. 5 228. 3 200. 1	208. 5 164. 0 227. 9 200. 9	207. 8 164. 5 226. 9 197. 3	210. 7 165. 4 231. 1 198. 0	211. 7 166. 0 233. 1 198. 5	212. 6 166. s 235. 7 195, 1	211. 8 168. 0 234. 2 193. 5	212. 0 168. 3 233. 4 194. 2	213, 3 169, 3 235, 5 195, 1
Nonmetallic mineral products Q do Clay prod., structural, excl. refrac do Concrete products do Gypsum products do Pulp, paper, and allied products do Paper do Rubber and plastics products do Tires and tubes do	174. 0 151. 2 170. 5 144. 0 170. 4 172. 9 150. 2 148. 5	186. 3 163. 5 180. 1 154. 4 179 4 182. 3 159. 2 161. 5	189. 5 168. 2 182. 4 160. 1 181. 5 186. 2 164. 8 172. 1	189. 6 168. 8 183. 0 160. 1 181. 8 186. 6 164. 7 172. 3	192. 4 170. 1 187. 0 160. 8 182. 9 188. 9 164. 6 170. 0	193. 6 167. 8 187. 8 160. 8 183. 0 189. 4 164. 2 163. 6	195. 1 170. 7 188. 4 164. 0 183. 6 192. 0 164. 6 165. 6	198. 6 177. 5 189. 9 172. 2 185. 3 193. 3 165. 7 169. 9	199. 3 174. 2 190. 5 175. 9 186. 2 194. 1 166. 3 167. 8	200. 4 180. 2 190. 9 187. 1 187. 3 194. 3 167. 4 167. 8	201. 5 183. 8 192. 8 186. 6 187. 7 195. 6 168. 9 171. 3	202. 4 184. 5 193. 5 189. 8 187. 8 196. 2 169. 1 171. 1	204. 2 185. 7 194. 0 193. 7 188. 5 196. 3 169. 4 171. 1	205. 3 187. 8 195. 0 201. 6 188. 8 197 1 170. 0 171. 9	205. 6 185. 1 195. 4 203. 2 188. 3 197. 5 170. 0 171. 6	206. 5 185. 5 195. 7 204. 9 187. 6 197. 1 169. 8 171. 9
Textile products and apparel \$		148. 2 102. 4 99. 5 106. 1 101. 1 129. 9 159. 3	150. 1 101. 7 97. 5 109. 1 101. 4 142. 9 163. 2	149. 9 101. 6 97. 2 107. 7 101. 5 142. 9 162. 7	150, 8 102, 6 96, 6 105, 1 100, 4 144, 8 165, 5	151. 7 103. 4 97. 2 103. 8 101. 2 145. 6 167. 1	152. 4 103. 2 98. 7 104. 5 103. 0 146. 0 170. 4	153. 7 106. 4 101. 5 105. 0 104. 3 146. 5 170. 4	154. 0 107. 0 102. 3 105. 1 104. 9 146. 6 169. 7	154. 4 109. 5 103. 4 104. 5 104. 5 147. 2 169. 7	154, 4 109, 2 103, 4 104, 9 104, 3 147, 2 169, 7	154. 4 109. 6 103. 0 103. 3 104. 2 147. 4 171. 2	155. 1 109. 6 102. 1 103. 0 104. 2 148. 4 174. 7	155. 2 109. 5 101. 2 103. 7 104. 1 148. 6 175. 6	155. 3 109. 6 100. 4 105. 2 103. 3 149. 1 175. 6	155. 9 109. 6 100. 6 107. 2 103. 4 149. 4 175. 7
Transportation equipment ?Dec. 1968=100 Motor vehicles and equip1967=100	141, 5 144, 6	151. 1 153. 8	156. 2 159. 2	157. 0 159. 5	157. 1 159. 2	157. 2 159. 4	158, 4 160, 7	158. 7 161. 0	159. 1 161. 4	159. 4 161. 8	159. 5 161. 8	160. 6 163. 1	161. 4 163. 8	167. 9 170. 8	168. 0 170. 6	168. 3 170. 9
Seasonally Adjusted‡					:								1			
All commodities, percent change from previous month By stage of processing,	ł	i	0. 6 207. 1	0, 6 208, 2	• 0.5 • 208.8	1.0 218.6	1.1	1.1	0. 4 226, 9	r -0, 6 214. 9	7 -0.2 210.5	0.1	0, 5 203, 6	0.8 206.0	0. 7 213. 0	0, 5 215, 8
Crude materials for further processing1967=100 Intermediate materials, supplies, etcdo Finished goods:			193. 6	194.8	4195.8	197.4	199.3	201. 4	202. 0	201.6	201. 9	202. 0 179. 5	203. 4	204. 4 181. 0	205. 4 181. 6	206. 3
Consumer finished goods. do. Food. do. Finished goods, exc. foods. do. Durable. do. Nondurable. do. Producer finished goods. do.			7 165. 5 146. 8 178. 0	171. 9 180. 7 165. 8 146. 9 178. 4 178. 4	a173.0 a180.6 a167.5 a148.1 a180.5 a179.0	174. 6 184. 2 168. 1 148. 9 181. 0 180. 1	176. 0 186. 2 169. 3 149. 4 182. 7 180. 8	178. 4 190. 8 170. 5 150. 6 183. 8 181. 8	194. 6 171. 3 151. 1 184. 6 182. 8	192. 3 171. 9 151. 6 185. 6 183. 6	191. 0 172. 3 152. 0 185. 9 184. 4	189. 2 172. 9 153. 5 185. 9 185. 2	188. 6 174. 1 153. 6 187. 8 186. 1	189, 2 175, 1 155, 3 188, 4 189, 9	190. 0 175. 6 155. 5 189. 1 190. 2	192. 8 176. 0 155. 9 189. 5 191. 2
By durability of product: Total manufactures do. Durable manufactures do. Nondurable manufactures do			182. 1 180. 4 183. 2	183. 4 181. 7 185. 0	a184.2 a 182.5 a185.8	186. 0 183. 5 188. 0	187. 7 184. 7 189. 6	189. 7 185. 4 193. 5	190. 6 185. 8 195. 5	190, 6 186, 2 194, 7	190, 4 187, 9 192, 5	190. 3 189. 1 191. 0	191. 1 190. 9 191. 1	192. 5 192. 4 192. 2	193. 9 193. 6 193. 3	194. 7 194. 8 194. 4
Farm productsdo Processed foods and feedsdo			187. 1 175. 6	191. 9 178. 8	4 194.0 4178.5	198. 3 181. 9	203. 5 185. 3	210. 4 190. 1	205, 5 193, 4	191, 3 190, 2	187. 9 185. 6	179. 9 184. 2	179. 6 183. 1	184. 0 184. 5	189. 5 187. 7	189. 0 189. 3
PURCHASING POWER OF THE DOLLAR As measured by— Wholesale prices	\$0, 572 . 621	\$0. 546 . 587	\$0.539 .575	\$. 534 . 574	\$0.532 .570	\$0.526 .565	\$0. 521 . 561	\$0.515 .557	\$0. 512 . 554	\$0.514 .550	\$0, 513 , 548	\$0. 514 . 546	\$0.512 .543	\$0.509 .542	\$0. 508 . 539	\$0, 505 , 537

r Revised. • See note "‡" for this page. of See corresponding note on p. S-8. • Includes data for items not shown separately. § Effective with Jan. 1976 reporting, the textile products group has been extensively reclassified; no comparable data for earlier pe-

riods are available for the newly introduced indexes. ‡ Beginning in the February 1977 SURVEY, data have been revised (back to 1967) to reflect new seasonal factors.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76				 .		197	77					, _
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		CONS	STRU	CTIO	N AN	D RI	EAL 1	ESTA	TE							
CONSTRUCTION PUT IN PLACE ‡																
New construction (unadjusted), totalmil. \$	134,293	147,481	13,588	12,107	10,028	10,052	11,739	13,150	14,619	15, 752	15,839	16,385	r 16,632	r 16,585	15, 805	
Private, total \$do	93, 623 46, 472 34, 408	109,500 60,520 47,277	10,496 6, 026 4, 694	9, 518 5, 261 4, 053	7, 940 4, 365 3, 438	7, 915 4, 368 3, 536	9, 3 00 5, 353 4, 351	10,392 6, 230 4, 839	11,418 7, 124 5, 518	12, 115 7, 611 6, 037	12, 265 7, 717 6, 306	12,565 7,844 6,471	7 12,809 7 7,976 7 6,494	7 12,929 7 7,941 7 6,513	12, 606 7, 662 6, 305	
Nonresidential buildings, except farm and pub- lic utilities, total \$ mil. \$. Industrial do Commercial do	26, 407 8, 018 12, 806	26, 091 7, 183 12, 756	2, 281 581 1, 129	2, 179 591 1, 0 62	1,804 456 906	1,836 468 915	2, 078 554 1, 051	2, 204 582 1, 108	2,254 600 1,142	2, 3 94 602 1 , 2 6 5	2, 497 620 1, 329	2,595 658 1,380	2, 677 656 1, 452	7 2, 704 7 675 7 1, 471	2, 613 633 1, 402	
Public utilities: Telephone and telegraphdo	3, 683	3,777	367	348	240	263	349	333	364	401	354	410	401	411		
Public, total Qdo	40,670	37, 981	3, 093	2, 590	2, 088	2, 137	2, 439	2, 759	3, 201	3, 637	3, 574	3, 820	3, 823	r 3, 656	3, 198	
Buildings (excluding military) Q	15, 254 668 918 1, 390 10, 861	13, 214 628 971 1, 508 9, 754	978 54 73 133 811	917 58 72 125 515	895 58 84 121 312	822 59 80 122 323	924 71 92 120 439	998 66 96 120 583	1,005 76 95 136 809	1, 126 98 105 131 1, 073	1, 132 91 91 127 1, 087	1, 147 71 101 124 1, 138	7 1, 189 7 86 106 7 134 7 1, 047	1, 126 80 95 114 1, 081		
New construction (seasonally adjusted at annual rates), totalbil. \$			153.8	155. 4	148. 1	156. 9	163.8	167. 6	172. 2	174. 4	172.3	170, 9	r 175. 9	, 177. 9	178.0	1
Private, total 9do			119.0	121.2	116.2	122.4	128. 4	131. 4	133.8	135. 0	133.0	132.7	7 136. 7	r 140. 2	142. 1	
Residential (including farm) do New housing units do Nonresidential buildings except farm and pub-			69. 6 52. 7	71. 1 54. 8	66. 5 52. 1	72. 1 58. 3	76. 7 62. 2	79. 6 63, 5	82, 5 65, 8	82, 2 66, 0	79. 6 65. 1	79. 1 6 5. 1	7 82. 4 7 66. 4	7 85.8 7 68.9	87. 9 70. 7	
Nonresidential buildings, except farm and public utilities, total 9bil. \$bil. \$lidustrialdoCommercialdodoPublic utilities:		 	25. 8 6. 7 12. 6	25. 9 6. 6 12. 8	24. 8 6. 2 12. 5	24. 9 6. 3 12. 5	26. 7 7. 2 13. 7	27. 4 7. 3 13. 9	27. 0 7. 2 13. 8	28. 5 7. 1 15. 2	29, 2 7, 2 15, 5	29. 2 7. 6 15. 3	29. 9 7. 5 16. 0	729.8 77.6 715.8	29. 4 7. 3 15. 6	
Telephone and telegraphdo			4.1	4.0	4.0	3.9	4.0	4.0	4.3	4.4	4.3	4.5	4,5	4.6		
Public, total 9do	i		34.9	34.3	32.0	34.5	35.4	36, 2	38.4	39.4	39. 2	38. 2	39.3	7 37.7	35.9	!
Buildings (excluding military) 0.			11.1 .6 1.0 1.5 8.5	10.8 .6 .8 1.5 8.2	11.8 .8 1.0 1.5 7.2	11.5 1.0 1.0 1.6 8.4	11.8 1.0 1.0 1.5 9.2	12.4 .9 1.1 1.5 9.1	12. 2 1. 0 1. 0 1. 6 9. 8	13.1 1.2 1.1 1.6 10.8	13.8 1.0 1.3 1.5 9.5	12.7 .8 1.4 • 1.5 9.4	13, 4 .9 1, 4 1, 5 8, 9	12.1 .8 1.1 1.4 9.5	12. 1 . 7 1. 3 1. 3 8. 4	
CONSTRUCTION CONTRACTS				0.2	2	0.2	0.2	0.1		20.0	0.0	3.1	0.0	3.0	"	
Construction contracts in 50 States (F. W. Dodge							ı									
Division, McGraw-Hill): Valuation, total mil. \$ Index (mo. data seas. adj.) 1967=100	92, 659 1168	107,158 1 194	7, 691 210	7, 196 183	6, 748 203	7,523 212	9, 9 37 207	12, 079 250	15, 932 317	15, 417 307	11, 246 218	14, 231 267	13, 713 279	10, 581 244	10, 391 258	
Public ownership mil. \$ Private ownership do	32, 198 60, 460	29, 246 77, 913	2, 123 5, 568	2, J91 5, 106	1.793 4,955	2,007 5,516	2,655 7,282	2,576 9,502	2, 956 12, 976	5, 424 9, 993	2, 688 8, 558	3, 458 10, 772	3, 249 10, 464	2,855 7,725	3, 100 7, 290	
By type of building: Nonresidentialdo Residentialdo	31, 647 31, 261	30, 045 43, 651	2, 491 3, 716	2, 133 3, 236	2, 163 2, 927	1,879 3,427	3, 003 5, 149	2,890 5,266	3, 047 5, 660	3,063 5,945	2,997	3, 785 6, 148	3, 617 5, 518	3, 154	3, 107 5, 281	
Non-building constructiondo New construction planning	29, 751	33, 463	1,484	1,828	1,658	2, 217	1,785	3, 922	7, 225	6, 409	5, 548 2, 702	4, 297	4,578	5,452 1,975	2,003	
(Engineering News-Record) Odo	83, 795	88, 457	9,771	10,674	9, 351	4, 438	6, 441	5,526	6,979	7,045	6,844	7,736	9, 091	8, 238	7, 313	12,70
HOUSING STARTS AND PERMITS New housing units started:]											
Unadjusted: Total (private and public) thous Inside SMSA's do Privately owned do	766.8 1,160.4	1,547.6 1,048.3 1,537.5	128. 2 89. 5 127. 1	108. 1 78. 6 107. 4	81. 5 63. 9 81. 3	112.7 80.7 112.5	173. 6 124. 4 173. 6	182. 4 126. 4 182. 2	201, 3 134, 7 201, 3	197. 8 131. 1 197. 6	189. 8 130. 3 189. 8	194. 2 129. 9 194. 0	121. 2 177. 7	r 193. 1	7 110. 1 7 154. 9	128.
One-family structuresdo Seasonally adjusted at annual rates: Total privately owneddo			1,706	71.6 1,889 1,324	55.7 1,384 1,006	1,802	125.8 2,089 1,503	138.8	152. 2 1, 937 1, 455	1,897	2,083	140. 5 2, 029	131. 6 2, 065	r 2, 203	· 2, 121	2, 29
One-family structuresdo New private housing units authorized by building permits (14,000 permit-issuing places):			1, 236	1, 324	1,000	1,424	1,303	1,413	1,430	1,389	1, 437	1, 453	1, 523	7 1, 362	1,543	1,00
Monthly data are seas. adj. at annual rates: Totalthous. One-family structuresdo	939 676	1, 296 894	1,583 1,055	1, 532 1, 047	1, 333 930	1,526 1,060	1, 687 1, 188	1,605 1,051	1,615 1,077	1,678 1,105	1,639 1,089	1,772 1,156	1, 695 1, 135	1,850 1,216	7 1, 893 7 1, 257	
Manufacturers' shipments of mobile homes (Manufactured Housing Institute): Unadjustedthous. Seasonally adjusted at annual ratesdo	212.7	246. 1	17.8 247	15. 0 248	14. 7 258	² 18. 0 ² 275	23. 4 275	24. 2 252	24.9 251	26. 8 264	22. 3 251	27. 3 270	26. 8 300	27. 4 319	22. 6 318	
CONSTRUCTION COST INDEXES																
Dept. of Commerce composite on 1972=100.	138. 2	143, 5	146.1	¢ 146. 9	149.0	150.5	150. 9	152. 7	154. 4	156. 2	r 155. 2	r 157. 1	r 158. 4	r 157. 9	159.7	
American Appraisal Co., The: Average, 30 cities 1913=100 Atlanta do New York do San Francisco do St. Louis do	1,716 1,871 1,827 1,698 1,659	1, 870 2, 009 1, 943 1, 906 1, 803	1, 912 2, 044 1, 980 1, 957 1, 839	1, 916 2, 050 1, 983 1, 961 1, 842	1, 921 2, 088 1, 990 1, 967 1, 850	1,931 2,090 1,994 2,009 1,851	1, 938 2, 098 2, 000 2, 017 1, 860	1,949 2,112 2,003 2,022 1,864	1, 967 2, 116 2, 012 2, 027 1, 868	1, 988 2, 118 2, 013 2, 029 1, 895	2, 014 2, 143 2, 115 2, 044 1, 921	2, 181	2, 136 2, 173	2, 182 2, 127 2, 166	2, 187 2, 129 2, 166	2, 18 2, 13 2, 18
Boeckh indexes: Average, 20 cities: Apartments, hotels, office buildings\$_1972=100. Commercial and factory buildings. do Residences. do	127. 2 130. 4	137. 3 141. 5 136. 2	142. 6 147. 0		143. 6 147. 8		146. 3 150. 1	1, cox	147. 8 151. 6		149. 9 154. 2		151. 5 155. 7		152. 5 157. 5	

Revised. *** Preliminary. 1 Computed from cumulative valuation total. 2 Unadjusted data for Jan.-Dec. 1976 and seasonally adjusted data for Jan. 1974-Dec. 1976 will be available later.

†Data for new construction have been revised back to Jan. 1973. The revised data are available from the Bureau of the Census, Washington, D.C. 20233.

OData for Dec. 1976 and Mar., June, Sept., Dec. 1977 are for 5 weeks; other months, 4 weeks.

[♀] Includes data for items not shown separately.

This index has been revised to a new comparison base (1972=100); monthly data back to Jan. 1964 are available upon request.

¶These indexes are restated on the 1972=100 base; monthly data for earlier periods will be available later.
Corrected.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						1:	977					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	CON	STRU	CTIO	N AN	D RE	EAL I	ESTAT	ГЕ(Conti	nued						
CONSTRUCTION COST INDEXES—Con.																
Engineering News-Record: Building 1967=100 Construction do	193. 3 205. 7	210. 9 223. 4	218. 9 231. 5	219. 7 231. 8	220. 4 232. 2	221, 9 233, 2	222. 6 234. 0	222. 9 235. 0	223, 0 234, 1	225, 2 236, 5	227. 8 240, 1	230, 0 243, 0	234. 9 246. 2	239. 6 249. 0	237. 4 247. 6	1 237. 9 1 248. 5
Federal Highway Adm.—Highway construction: Composite (avg. for year or qtr.)1967=100	203.8	199. 3		200.4			202, 2			215, 4			215. 9			
CONSTRUCTION MATERIALS																
Output index: Composite, unadjusted $Q \sigma$	160. 4	174. 3	163. 4 171. 9	152. 4 176. 1	139. 6 147. 5	147. 7 167. 8	188, 1 195, 5	179. 0 174. 8				 				
Iron and steel products, unadjusteddo Lumber and wood products, unadjdo Portland cement, unadjusteddo	140. 9 166. 9 182. 9	141. 9 191. 2 192. 3	129. 0 188. 7 190. 4	122, 7 186, 9 138, 6	106. 5 185. 5 83. 5	118. 8 184. 2 125. 0	160, 2 217, 3 187, 5	149. 0 201. 2 213. 6	156. 8 238. 3	167. 0 269. 5	146, 0 242, 5					
REAL ESTATE	1															
Mortgage applications for new home construction: FHA net applications		95. 0 183. 4	9. 1 115 16. 0 193	8. 7 125 14. 5 234	6. 8 107 15. 6 230	11. 2 156 18. 6 254	10. 6 111 22. 5 240	10. 8 125 19. 7 216	12. 3 126 18. 4 203	9. 1 95 20. 0 216	9, 2 116 17, 3 205	10, 0 112 19, 9 207	9. 6 108 15. 8 187	7. 9 96 15. 8 194	9. 1 115 15. 4 185	6.7 96 12.8 206
Home mortgages insured or guaranteed by— Fed. Hous. Adm.; Face amountmil. \$- Vet. Adm.: Face amount§do	6, 166, 12 8, 863, 84	6,362.12 10,414.77	557.75 1,053.18	508.00 962.30	608. 67 989. 22	699. 49 988. 50	676. 86 1,041.52	654. 86 903. 75	996, 87 1,137.86	654, 11 1,184,57	680, 64 942, 53	874. 33 1,527.21	660, 71 1,541.53	707. 90 1,070.96		
Federal Home Loan Banks, outstanding advances to member institutions, end of periodmil. \$	17, 845	15, 862	15, 765	15, 862	15, 183	14,816	14,462	14, 952	15, 148	15,717	15,861	16, 369	17, 054	17, 746	18, 492	20, 173
New mortgage loans of all savings and loan associations, estimated total mil. \$ By purpose of loan:	55, 040	78, 792	6, 526	7, 287	5, 448	5, 631	8, 211	8, 966	9,800	11, 269	9, 664	10, 893	9, 869	r 9, 2 81	9, 150	
Home constructiondo Home purchasedo All other purposesdo	10, 097 32, 106 12, 837	14, 820 48, 252 15, 720	1,306 3,958 1,262	1, 421 4, 178 1, 688	1,005 3,310 1,133	1, 071 3, 375 1, 185	1,716 4,780 1,715	1,758 5,426 1,782	1,919 6,021 1,860	2, 104 7, 105 2, 060	1,841 6,183 1,640	2, 084 6, 947 1, 862	1,894 6,240 1,735	7 1, 801 7 5, 698 7 1, 782	1, 781 5, 558 1, 811	
Foreclosuresnumber	142,803			•••••	ļ 			 				 	 			
Fire losses (on bldgs., contents, etc.)mil. \$	3, 560	3,558	238	314	334	362	347	323	306	304	310	338	285	274	259	
]	DOM	ESTI	C TR	ADE									
ADVERTISING																
McCann-Erickson national advertising index, seasonally adjusted: 1967=100 Combined index. 0 Network TV 0 Spot TV 0 Magazines 0 Newspapers 0	147 160 166 119 142	180 191 215 143 175	189 206 226 146 178	183 194 209 151 180	192 215 213 148 194	192 212 213 163 177	200 223 219 168 187	199 227 210 166 184	210 229 225 184 198	205 239 215 176 178	209 234 234 169 193	217 241 240 168 221	209 225 230 180 198	217 247 220 175 225	219 252 229 180 205	
Magazine advertising (general and natl. farm magazines): Cost, total	r1,328.7 r 46.0 r 101.3 r 20.6 r 138.1 r 91.0	1, 622. 0 56. 4 142. 0 28. 4 165. 2 120. 5	194.0 6.3 18.9 2.2 16.9 17.2	141. 5 4. 2 8. 8 2. 1 14. 4 12. 7	111. 7 3. 4 9. 6 1. 4 12. 3 6. 8	135. 9 3. 2 13. 5 2. 0 16. 0 11. 7	154. 4 5. 9 14. 8 3. 5 17. 0 11. 5	176. 6 7. 1 17. 4 4. 5 17. 2 13. 7	200. 5 7. 2 20. 6 4. 6 21. 3 14. 1	150. 7 3. 5 15. 9 3. 3 17. 8 12. 0	119. 1 2. 2 10. 5 1. 7 13. 0 10. 4	122, 3 4, 6 9, 7 1, 4 14, 1 10, 7	173. 1 9. 4 8. 5 3. 9 16. 9 11. 9	221. 4 8. 4 21. 3 4. 5 20. 2 16. 1	8, 6 20, 9 3, 2 18, 6	
Beer, wine, liquors	7 100. 7 7 55. 0 7 34. 2 7 19. 4 7 143. 4 7 579. 1	110. 9 83. 6 46. 9 25. 0 161. 7 681. 2	15. 8 11. 7 5. 4 2. 6 14. 9 82. 1	17. 3 6. 3 3. 8 1. 9 12. 8 57. 0	4, 1 3, 1 2, 9 2, 2 12, 9 52, 9	5. 0 5. 3 3. 6 2. 8 13. 6 59. 1	8.0 8.8 3.7 2.7 13.3 65.0	9.6 11.0 4.7 3.7 13.7 74.0	11. 2 15. 0 6. 0 4. 2 16. 9 79. 4	10. 6 7. 7 4. 1 2. 0 15. 7 58. 1	7. 2 7. 1 2. 5 1. 8 17. 0 45. 7	6. 9 6. 0 2. 9 2. 2 17. 8 46. 0	10. 5 11. 9 5. 3 2. 9 15. 8 76. 2	17. 7 13. 3 4. 8 3. 5 20. 8 90. 7	5.1 3.4	
Newspaper advertising expenditures (64 cities): ⊕ Total mil. \$ Automotive do Classified do Financial do General do Retail do	4, 117, 4 93, 3 982, 2 130, 8 547, 1 2, 364, 0	5, 068, 5 120, 6 1, 255, 6 139, 8 694, 6 2, 858, 0	478. 4 12. 3 100. 0 11. 2 68. 4 286. 6	446. 6 7. 3 83. 1 12. 0 51. 9 292. 3	429. 3 12. 1 116. 8 13. 7 61. 4 225. 3	393. 1 12. 1 101. 9 9. 3 55. 9 214. 0	494. 7 14. 6 130. 3 13. 4 69. 3 267. 1	492. 6 14. 5 133. 6 13. 9 69. 0 261. 7	555. 7 14. 8 146. 9 13. 0 81. 8 299. 3	505. 5 13. 3 136. 3 14. 7 66. 1 275. 1	456. 5 11. 2 142. 7 13. 4 48. 9 240. 4	472. 0 10. 9 141. 3 9. 4 54. 9 255. 4	501. 3 12. 0 134. 0 13. 3 72. 2 269. 8	586. 7 16. 7 151. 5 17. 6 86. 5 314. 4	128, 5 14, 5	
WHOLESALE TRADE ⊙ Merchant wholesalers sales (unadj.), total ⊙ mil. \$ Durable goods establishments	535, 596 200, 094 315, 502	580,894 246,732 334,162	49, 525 20, 904 28, 621	51, 217 20, 758 30, 459	46,352 18,895 27,457	47, 683 20, 013 27, 670	56, 383 24, 008 32, 375	53, 357 23, 356 30, 001	54,633 24,159 30,474	55, 794 25, 292 30, 502	51,290 22,915 28,375	55, 597 25, 998 29, 599	54, 505 25, 461 29, 044	r 25, 369	55, 613 25, 015 30, 598	
Merchant wholesalers inventories, book value, end of year or month (unadj.), total © mil. \$ Durable goods establishments	55, 727 34, 123	62,056 37,628	62,179 37,879	62,056 37,628	62,910 38,455	63, 985 39, 362	65, 097 39, 965	65,042 40,168	64,088	64, 117	63, 666	64, 105 42, 142 21, 963	65, 291	r 66 , 530	67, 468 42, 738 24, 730	

end of year or month (unadj.), total © mil. \$.. 55, 727 | 62,056 | 62,179 | 82,056 | 62,1916 | 63,985 | 63,987 | 63,987 | 63,087 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 64,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 64,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 64,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085 | 63,197 | 63,085

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76	ļ					19	77					
the 1975 edition of BUSINESS STATISTICS	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		D	OME	STIC	TRA	DE—	Conti	nued								
RETAIL TRADE																
All retail stores: ¶ Estimated sales (unadj.), total¶mil. \$	580, 445	642, 507	55, 361	67, 311	48, 826	48, 853	57, 203	58, 634	58, 893	60,027	59,835	60, 702	58,341	r 60, 836	r61,863	173,074
Durable goods stores Qdo Building materials, hardware, garden supply,	178, 887	210, 530	17, 592	19, 591	15, 43 8	16, 349	20, 328	20, 559	20,961	21,829	20, 553	21, 182	19,551	r20, 788	1	120, 640
and mobile home dealers Qmil. \$ Building materials and supply stores.do Hardware storesdo	26, 262 17, 793 4, 935	32, 226 22, 206 5, 659	2,793 1,966 500	2,837 1,791 607	2, 027 1, 428 367	2, 198 1, 595 363	2,865 2,043 477	3, 251 2, 189 579	3, 515 2, 338 592	3, 622 2, 538 593	3, 493 2, 485 585	3,657 2,669 556	3, 547 2, 587 549	7 3, 591 7 2, 599 7 567	7 3, 194 2, 279 556	1 2, 941
Automotive dealers Q	105, 288 95, 902 9, 386	125, 685 115, 596 10, 089	10, 162 • 9, 270 892	10, 204 • 9, 264 940	9,556 •8,771 785	10, 329 • 9, 556 773	13, 057 c12, 036 1, 021	12,851 •11,800 1,051	12,878 c11,850 1,028	13, 555 c12, 456 1, 099	12,520 •11,462 1,058	12,713 c11,641 1,072	11,327 10,273 1,054	12,418 11,313 11,105	11, 520 10, 402 1, 118	110, 633
Furniture, home furn., and equipdo Furniture, home furnishings storesdo Household appliance, radio, TVdo	28, 114 16, 740 8, 898	31, 368 18, 665 9, 784	2,831 1,722 856	3,488 1,883 1,192	2, 384 1, 434 735	2,406 1,474 720	2,787 1,722 846	2,730 1,691 825	2,763 1,715 823	2,852 1,782 851	2,884 1,751 907	2,946 1,823 881	2,842 1,695 885	7 2, 911 7 1, 761 7 887	7 3, 157 1, 892 983	1 3, 858
Nondurable goods stores do General merch, group stores do Department stores do Variety stores do	401, 558 73, 761 57, 442 8, 309	431,977 79,258 62,900 7,598	37, 769 7, 764 6, 242 674	47,720 12,242 9,805 1,270	33, 388 4, 828 3, 840 426	32, 504 4, 903 3, 873 459	36, 875 6, 347 5, 044 584	38, 075 6, 911 5, 470 673	37, 932 6, 860 5, 457 635	38, 198 6, 887 5, 487 645	39, 282 6, 920 5, 492 655	39, 520 7, 258 5, 837 639	38,790 7,143 5,797 589	r 40, 048 r 7, 616 r 6, 179 r 639	741,902 78,991 77,311 716	152, 434 113, 996 111, 305
Food stores doGrocery stores doGasoline service stations do	138, 006 128, 875 47, 387	145, 939 136, 100 51, 265	11, 907 11, 108 4, 411	13, 728 12, 811 4, 604	11, 905 11, 178 4, 326	11, 461 10, 729 4, 014	12, 695 11, 858 4, 477	13, 047 12, 172 4, 631	12,846 11,984 4,826	13, 102 12, 208 4, 864	13, 783 12, 900 5, 113	13, 082 12, 220 5, 070	13,194 12,349 4,787	713, 169 712, 250 74, 856	713, 118 712, 201 74, 751	114,972 113,946 14,848
Apparel and accessory stores do Men's and boys' clothing do	31.669 6,802	33, 188 6, 683	2, 966 599	4,689 1,041	2, 224 470	2, 110 419	2, 524 475	2,754 542	2, 543 508	2, 524 526	2,465 469	2,733 495	2, 694 484	r 2,891 r 543	7 3, 116	1 5,009
Women's clothing, spec. stores, furriers_do Shoe storesdo	11,760 5,554	12,702 5,575	1, 149 470	1,699 642	823 377	827 346	977 437	1,010 505	975 435	939 424	929 436	1,038 504	1,083 520	7 1, 160 7 519	1, 204 536	
Fating and armking placesdo. Drug and proprietary storesdo. Liquor storesdo. Mail-order houses (dept. store mdse.) §do.	51, 427 19, 412 12, 169 5, 541	58, 008 20, 716 12, 734 6, 099	4, 689 1, 731 1, 065 810	4, 943 2, 444 1, 503 657	4, 466 1, 647 919 390	4, 542 1, 652 950 418	5,073 1,792 1,012 601	5, 250 1, 797 1, 066 514	5, 466 1, 825 1, 064 473	5,007 1,828 1,087 463	1,831 1,135 470	5,898 1,833 1,067 573	5,485 1,794 1,028 549	7 5, 508 7 1, 847 7 1, 067 7 720	r 5, 339 r 1, 837 1, 104 873	1 5, 609 1 2, 572
Estimated sales (seas. adj.), total¶do	1 '		54,822	56, 685	55, 703	57, 291	57,990	58, 142	58,003	57,825	58, 552	59,020	59,014	r60, 778	61,482	161,048
Durable goods stores Q			18,098	19,038	18,860	19,382	19,863	19,833	19, 516	19,436	19,505	19,984	1	20,895		120, 335
and mobile home dealers \$mil. \$. Building materials and supply stores_do Hardware storesdo			2,816 1,949 485	2,910 2,030 485	2,807 1,911 493	2,991 2,090 489	3, 123 2, 186 526	3, 135 2, 190 544	3, 129 2, 187 543	3,143 2,211 540	3, 175 2, 230 552	3, 229 2, 287 543	3, 297 2, 335 550	7 3, 428 7 2, 422 7 566	7 3, 222 2, 272 537	1 3, 019
Automotive dealers do do Motor vehicle dealers do Auto and home supply stores do do de dealers do do de dealers do do de dealers do do de dealers do de dealers do de dealers do de dealers do de dealers do de dealers do de dealers do de dealers do de dealers de dealers de de dealers de de dealers de de dealers de de dealers de de de dealers de de de dealers de de de dealers de de de dealers de de de de dealers de de de de dealers de de de de de dealers de de de dealers de de de de dealers de de de dealers de de de dealers de de de dealers de de de dealers de dealers de de dealers de de dealers de de dealers de de dealers de deale			10,816 9,950 866	11, 562 10, 668 894	11,626 10,664 962	11,835 10,859 976	12, 135 11, 092 1, 043	12,055 11,069 986	11,734 10,763 971	11,700 10,712 988	11,652 10,666 986	11,980 10,972 1,008	11,694 10,613 1,081	12,540 11,439 1,101	r 12, 363 11, 245 1, 118	112,335
Furniture, home furn., and equip. Qdo Furniture, home furnishings storesdo Household appliance, radio, TVdo				2,728 1,632 844	2,667 1,635 800	2,780 1,682 841	2,819 1,719 874	2,836 1,721 884	2,843 1,714 887	2,815 1,726 848	2,891 1,750 887	2,920 1,772 898	7 2,842 7 1,695 7 885	7 2,942 7 1,757 7 918	73,010 1,790 951	1 3, 047
Nondurable goods stores do General merch, group stores do Department stores do Variety stores do			36, 724 6, 762 5, 398 613	37, 647 6, 995 5, 551 686	36, 843 6, 682 5, 388 590	37, 909 6, 930 5, 550 628	38, 127 6, 995 5, 577 655	38, 309 7, 059 5, 588 679	38, 487 7, 066 5, 629 663	38, 389 7, 094 5, 635 689	39, 047 7, 452 5, 966 707	39, 036 7, 363 5, 944 644	39, 251 7, 403 5, 952 627	739, 883 77, 716 76, 248 7650	740,842 77,826 76,324 650	140,713 17,929 16,358
Food stores			12, 260 11, 418 4, 469	12, 662 11, 832 4, 602	12, 217 11, 416 4, 589	12,612 11,785 4,605	12,784 11,938 4,642	12, 933 12, 060 4, 723	13, 085 12, 235 4, 710	13, 014 12, 168 4, 696	13,080 12,237 1,827	13,005 12,171 4,712	13,099 12,251 4,693		713, 552 712, 578 74, 828	113,476 112,553 14,829
Apparel and accessory stores do. Men's and boys' clothing do. Women's clothing, spec. stores, furriers.do. Shoe stores do			2,790 550 1,066 462	2,794 558 1,050 467	2,700 547 1,001 451	2,798 561 1,071 462	2,780 550 1,068 457	2,726 554 1,033 454	2,700 535 1,020 462	2,663 528 1,000 449	2,714 527 1,017 474	2,782 548 1,062 482	2,696 530 1,064 467	7 2,855 7 559 7 1,111 7 513	7 2,980 615 1,138 534	1 2,929
Eating and drinking placesdo Drug and proprietary storesdo Liquor storesdo Mail-order houses (dept. store indse.)§.do				4, 960 1, 826 1, 056 525	4,891 1,757 1,051 578	5, 255 1, 804 1, 125 526	5, 290 1, 825 1, 079 559	5, 232 1, 834 1, 093 564	5, 283 1, 845 1, 101 522	5, 262 1, 844 1, 096 561	5, 346 1, 874 1, 087 571	5, 372 1, 853 1, 067 558	5,529 1,892 1,007 545	7 5, 384 7 1, 889 7 1, 084 7 603	5,567 1,882 1,104 573	1 5,587 1 1,924
Estimated inventories, end of year or month:† Book value (unadjusted), total†mil. * Durable goods stores 9do. Building materials and supply stores do Automotive dealersdo Furniture, home furn., and equipdo	69, 548 31, 166 4, 479 16, 690 5, 294	77, 057 34, 924 4, 957 18, 852 5, 726	81, 811 34, 988 5, 100 18, 043 6, 028	77, 057 34, 924 4, 957 18, 852 5, 726	77, 261 35, 361 5, 057 19, 117 5, 778	78, 808 36, 017 5, 281 19, 521 5, 908	81, 998 37, 336 5, 467 20, 339 6, 049	\$3, 150 37, 616 5, 474 20, 432 6, 162	83, 485 37, 789 5, 511 20, 414 6, 226	84,070 37,950 5,450 20,461 6,322	84, 028 37, 762 5, 384 20, 263 6, 273	83, 878 36, 072 5, 389 18, 385 6, 326	86, 565 36, 739 5, 487 18, 444 6, 577	90, 158 37, 964 5, 429 19, 317 6, 701	92, 900 39, 279 5, 463 20, 411 6, 886	
Nondurable coods stores 9 do. General merch, group stores do. Department stores do. Food stores do. Apparel and accessory stores do.	38, 382 14, 555 9, 735 8, 189 5, 342	42, 133 16, 790 11, 429 8, 873 6, 066	46, 823 19, 914 13, 825 9, 153 6, 909	42, 133 16, 790 11, 429 8, 873 6, 066	41, 900 16, 809 11, 380 8, 704 5, 900	42, 791 17, 719 12, 000 8, 555 6, 042	44,662 18,694 12,796 8,832 6,395	45, 534 19, 367 13, 220 8, 895 6, 468	45,696 19,755 13,457 8,970 6,418	46, 120 20, 093 13, 574 8, 995 6, 445	46, 266 20, 432 13, 591 8, 863 6, 460	47,806 21,593 14,360 8,773 6,682	49, 826 22, 705 15, 155 8, 913 7, 059	52, 194 24, 398 16, 614 9, 175 7, 324	53, 621 24, 983 17, 271 9, 518 7, 466	
Book value (seas. adj.), total† do Durable goods stores Q do Building materials and supply stores do Automotive dealers do Furniture, home furn., and equip do	71, 031 31, 632 4, 680 16, 876 5, 315	78, 431 35, 067 5, 180 18, 684 5, 743	77, 988 34, 875 5, 236 18, 207 5, 757	78, 431 35, 067 5, 180 18, 684 5, 743	79, 458 35, 588 5, 197 18, 965 5, 890	79, 721 35, 516 5, 276 18, 824 6, 066	81,825 36,150 5,339 19,224 6,166	81,825 36,094 5,288 19,149 6,181	83, 025 36, 818 5, 350 19, 591 6, 289	84, 134 37, 104 5, 271 19, 827 6, 373	85, 326 38, 130 5, 378 20, 551 6, 336	86,650 38,577 5,406 20,751 6,332	7 87,227 7 38,515 5,571 20,157 6,499	87, 462 38, 752 5, 484 20, 334 6, 449	88, 465 39, 134 5, 569 20, 659 6, 558	
Nondurable goods stores 9	16, 876 10, 502 8, 060	43, 364 18, 119 12, 342 8, 733 6, 352	43, 113 17, 660 12, 053 8, 776 6, 287	43, 364 18, 119 12, 342 8, 733 6, 352	43, 870 18, 273 12, 410 8, 801 6, 392	44, 205 18, 857 12, 875 8, 641 6, 294		45, 731 19, 467 13, 233 8, 904 6, 514				14,360 8,943 6,629	r 6,691		15, 110 9, 099 6, 831	

Revised. ¹ Advance estimate. ¶Effective Nov. 1977 Survey of Current Business, estimates have been revised to reflect a new sample design, benchmarking to the 1967 and 1972 Censuses, redefinition of sales to exclude sales taxes and finance charges, classifications based on the 1972 Standard Industrial Classification (SIC), and revision and updating of seasonal adjustment factors. Revisions back to Jan. 1967, as well as a summary of the

changes, appear in the report, Monthly Retail Sales: January 1967-August 1977 (Revised), available from the Census Bureau, Washington, D.C. 20233. Q Includes data not shown separately. §Includes sales of mail-order catalog desks within department stores of mail-order firms. [Series revised, beginning Jan. 1967, to reflect the 1972 SIC designations. Revised historical data will be available later. Corrected.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		D	OME	STIC	TRA	DE	Conti	nued								
RETAIL TRADE!—Continued													1			
Firms with 11 or more stores: Estimated sales (unadjusted), total‡mil. \$						 	 		² 19, 345	19, 368	20, 051	20, 300	20, 238	20, 976		
Durable goods storesdoAuto and home supply storesdo		•••••		-					² 1, 528 ² 242	1, 545 279	1, 532 258	1, 558 260	1,541 249	1,596 267		
Nondurable goods stores Q									² 17, 817 ² 6, 084	17, 823 6, 110	18, 519 6, 127	6,473	r 18, 697 r 6, 381	19,380 6,727		
Nondurable goods stores Q do General merchandise group stores do Department stores do Variety stores do Miscellaneous general stores do									² 5, 123 ² 506 ² 455	5, 177 489 444	5, 188 487 452	5, 529 495 449	7 5, 483 7 461 7 437	5, 766 493 468		
Food stores doGrocery stores do										6, 985 6, 891	7, 433 7, 339	6, 989 6, 894	7, 178	7,170 7,084		
Apparel and accessory stores Qdo									2 877	864	835	1,006	7 981	1,044		1
women's ciotning, specialty stores, fur- riers									² 355 ² 225	348 230	347 208	416 245	7 395 7 223	436 239		
Eating places do Drug stores and proprietary stores do Drug stores and proprietary stores do Drug stores do Dru										192 979	192	242 1, 120	, 258 , 1, 022	247 1, 038		
										819 19, 693	860 20, 541	840	* 835 * 20, 431	20, 881		[
Estimated sales (seas. adj.), total‡ Q. do. Auto and home supply stores. do. Department stores. do. Variety stores. do. Grocery stores. do.									² 226 ² 5, 287 ² 528	5, 315 523	245 5, 633 525	245 5, 630 498	255 5,629 491	261 5,830 502		
Grocery stores do									² 7, 009 ² 921	7,017	7,070	6,908	7, 133	7, 105		
Apparel and accessory storesdoWomen's clothing, spec. stores, furriers.doShoe storesdoDrug stores and proprietary storesdo									2 362 2 236 2 838	366 208 830	396 225 895	428 227 844	7 379 227 7 887	428 251 874		
All retail stores, accts. receivable, end of yr. or mo.: Total (unadjusted)mil. \$		32, 153	29, 963	32, 153	30,789	30,222	30,227	1	31, 435	31, 259		330, 103	30, 405	30, 972		
Durable goods stores do Nondurable goods stores do	8, 901	9, 515 22, 638	9, 3 98 20, 565	9, 515 22, 638	9,037 21,752	9, 052 21,170	9, 348 20,879	30,755 9,628 21,127	9,965 21,470	10, 218 20, 988	10, 120	³ 9, 983 ³ 20, 120	9, 995 20, 410	10, 138 20, 834		
Charge accounts dodo	11, 428 18, 197	12, 889 19, 264	12,406 17,557	12, 889 19, 264	12,215 18,574	12,126 18,096	12,424 17,803	12,881 17,874	13, 418 18, 017	13, 254 18, 005	12,824 18,098	³ 9, 729 ³ 20, 374	9, 918 20, 487	10, 175 20, 797		
Total (seasonally adjusted) do Durable goods stores do Nondurable goods stores do	27,764 8,799 18,965	30, 323 9, 481 20, 842	29, 698 9, 385 20, 313	30, 323 9, 481 20, 842	30,500 9,419 21,081	30,664 9,537 21,127	30,885 9,770 21,115	31, 078 9, 846 21, 232	31, 288 9, 852 21, 436	31, 274 10, 001 21, 273	9,907	3 30, 555 3 9, 794 3 20, 761	30, 615 9, 696 20, 919	31,064 9,873 21,191		
Charge accounts do Installment accounts do	11, 028	12,591 17,732	12, 313 17, 385	12,591 17,732	12,596 17,904	12,711 17,953	12,871 18,014	12,883 18,195	12, 957 18, 331	12,899 18,375	12,809	³ 9, 738 ³ 20, 817	9, 811 20, 804	9,958 21,106		1
	LAB	OR FO	DRCE	, EM	LOY	'MEN	T, A	ND E	ARNI	NGS	<u> </u>	1	1	ł	1	}
POPULATION OF THE UNITED STATES			1]											
Total, incl. armed forces overseas†mil	1 213, 56	1215. 14	215.76	215.89	216.02	216. 15	216. 26	216. 40	216.53	216. 67	216.82	216.99	217. 16	217. 33	217.48	217, 61
LABOR FORCE¶ Not Seasonally Adjusted					ļ			,	ļ						ļ	
Labor force, total (including armed forces), persons 16 years of age and over thous. Civilian labor force do	94, 793 92, 613	96, 917 94, 773	97, 786 95, 637	97, 662 95, 517	96, 837 94, 704	97, 478 95, 3 40	97, 909	97, 958 95, 826	98, 321 96, 193	101, 264 99, 135	101, 449 99, 314	101, 210 99, 073	99, 815 97, 684	100, 585 98, 451	100, 951 98, 819	100, 632 98, 503
Employed, total do do Agriculture do Nonagricultural industries do	84, 783	87, 485 3, 297	88, 542 3, 081	88, 494 2, 850	86, 856 2, 672	87, 231 2, 709	95, 771 88, 215 2, 804	89, 258 3, 140	90,042	91, 682 3, 820	92, 372 3, 790	92, 315 3, 682	91, 247 3, 326 87, 921	92, 230	92,473	92, 623 2, 914 89, 710
Unemployed do Seasonally Adjusted	81, 403 7, 830	84, 188 7, 288	85, 460 7, 095	85, 645 7, 022	84, 184 7, 848	84, 522 8, 109	85, 411 7, 556	86, 118 6, 568	86, 564 6, 151	87, 862 7, 453	88, 582 6, 941	88, 633 6, 757	6, 437	88, 822 6, 221	89, 292 6, 346	5, 880
Civilian labor force do do do do do do do do do do do do do		1	95, 871 88, 220	95, 960 88, 441	95, 516 88, 558	96, 145 88, 962	96, 539 89, 475	96, 760 90, 023	97, 158 90, 408	97, 641 90, 679	97, 305 90, 561	97, 6 97 90, 771	97, 868 91, 095	98, 102 91, 230	98, 998 92, 180	98, 926 92, 589
Nonagricultural industries do do do do do do do do do do do do do	1	1	3, 248 84, 972	3, 257 85, 184	3, 090 85, 468	3, 090 85, 872	3, 116 86, 359	3, 260 86, 763	3, 386 87, 022	3, 338 87, 341	3, 213 87, 348	3, 252 87, 519	3, 215 87, 880	3, 272 87, 958	3, 362 88, 818	3, 331 89, 258
Unemployeddodo Long-term, 15 weeks and overdo Rates (unemployed in each group as percent	2, 483	2, 339	7, 6 51 2, 517	7,519 2,514	6, 958 2, 283	7, 183 2, 182	7,064 1,923	6,737 1,816	6,750 1,836	6,962 1,737	6,744 1,834	6,926 1,808	6,773 1,866	6,872 1,862	6,818 1,933	6, 33 7 1, 838
of total in the group): All civilian workers Men. 20 years and over	8. 5 6. 7	7.7 5.9	8.0 6.3	7.8 6.2	77.4 5.6	77.6	77.4	7.1 5.0	7.1 5.3	7. 1 5. 0	6. 9 5. 1	7.0 5.2	r 6.8 4.9	r 6.8 5.3	7 6. 7 4. 9	6. 4 4. 7
Both sexes, 16-19 years.	8. 0 19. 9	7. 4 19. 0	7. 6 19. 2	7. 4 19. 0	6. 9 18. 7	7. 2 18. 5	5.4 7.2 18.8	7.0	6. 6 17. 9	7. 2 18. 6	6.9 17.4	5. 2 7. 1 17. 5	7. 0	6.8	7.1	6. 7 15. 4
White Black and other Married men, wife present	1 12 0	7. 0 13. 1 4. 2	7.3 13.5 4.5	7. 1 13. 4 4. 3	6.7 12.5 3.8	6.7 13.1 4.1	6.6 12.7 3.7	6.3 12.3 3.6	6. 2 12. 9 3. 6	6. 3 13. 2 3. 4	6. 1 13. 2 3. 4	6. 1 14. 5 3. 5	6. 1 13. 1 3. 4	6. 1 13. 9 3. 7	6. 0 13. 8 3. 4	5. 6 12. 5 3. 3
Occupation: White-collar workers		4. 6 9. 4	4.7 9.7	4. 5 9. 6	4.5 8.4	4.6 8.7	4.7 8.3	4.4	4.3 7.9	4. 2 7. 7	4. 0 8. 2	4. 2 8. 4	4.2 7.9	4. 1 8. 3	4.3 7.9	3.9 7.3
Private wage and salary workers Construction	9.2	7.9 15.6	8. 2 15. 4	7.9 14.1	7.4 14.9	7.6 15.2	7.4 14.2	7. 0 12. 0	7. 1 13. 0	6.9 12.6	6. 8 12. 1	7.0 11.5	6.9 10.4	7. 1 12. 2	6.9 11.3 6.8	6. 3 10. 5 5. 8
Manufacturing Durable goods	1 10.9	7.9	8.2	8. 2 8. 0	6.9	7.1	6.6	6.7	6. 2 5. 7	6. 3 5. 6	6. 7 6. 1	7. 0 6. 5	7. 2 6. 6		6.8 6.3	5.

^{&#}x27;Revised | 'As of July 1. | 2 See note "\nabla" on p. S-12; revised data for earlier periods for 11 or more stores sales are not available. | 3 Beginning Aug. 1977, data reflect use of new sample and are not strictly comparable with those for earlier periods; see note "\nabla" for p. S-12. |
| 18ee note "\nabla" on p. S-12. |
| 18evisions back to Oct. 1973 appear in "Population Estimates and Projections: Estimates

of the Population of the United States and Components of Change—1930-75," P-25, No. 632 (July 1976), Bureau of the Census.

¶ Effective with the Feb. 1977 SURVEY, the labor force series reflect new seasonal factors. Data have been revised back to 1972; comparable monthly figures for 1972-75 appear in EMPLOYMENT AND EARNINGS (Feb. 1977), U.S. Department of Labor, Bureau of Labor Statistics.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						1	977					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.p
LAB	OR FO	ORCE	EMI	PLOY	MEN'	T, AN	D EA	RNIN	GS-	-Cont	inued	[<u> </u>	<u> </u>	<u>'</u>	
EMPLOYMENT †⊙	-															
Employees on payrolls of nonagricultural estab.: Total, not adjusted for seasonal variation_thous_ Private sector (excl. government)do	77, 051 62, 330	79, 443 64, 496	80, 943 65, 675	81, 099 65, 838	-9, 473 64, 414	79,734 64,488	80, 547 65, 232	81, 332 66, 042	82, 029 66, 684	82, 9 3 0 67, 642	82, 167 67, 567	82,397 67,921	83, 146 68, 143	* 83, 672 * 68, 225	7 84, 070 7 68, 449	84, 186 68, 532
Seasonally Adjusted†											!					
Total employees, nonagricultural payrolls†⊙do Private sector (excl. government) Nonmanufacturing industries do Goods-producing do Mining do Contract construction do	77, 051 62, 330 43, 983 22, 603 745 3, 512	79, 443 64, 496 45, 540 23, 332 783 3, 594	80, 127 65, 094 46, 024 23, 484 805 3, 609	80, 370 65, 336 46, 222 23, 528 809 3, 605	80, 574 65, 552 46, 333 23, 585 817 3, 549	80,870 65,854 46,576 23,763 824 3,661	81, 331 66, 300 46, 883 24, 017 841 3, 759	81, 620 66, 571 47, 072 24, 176 847 3, 830	81,837 66,730 47,164 24,264 845 3,861	82, 157 66, 961 47, 350 24, 355 856 3, 876	82, 407 67, 184 47, 518 24, 412 833 3, 913	82, 474 67, 235 47, 641 24, 305 818 3, 893	82,763 67,434 47,822 24,360 856 3,892	7 67, 565 7 47, 899	r 67, 843	83, 439 68, 018 48, 142 24, 553 713 3, 964
Manufacturing do. Durable goods do. Ordnance and accessories do. Lumber and wood products do. Furniture and fixtures do. Stone, clay and glass products do. Primary metal industries do. Fabricated metal products do. Machinery, except electrical do. Electrical equipment and supplies do. Transportation equipment do. Instruments and related products do. Miscellaneous manufacturing do.	18, 347 10, 679 171 557 451 614 1, 180 1, 336 2, 069 1, 761 1, 649 489 404	18, 956 11, 026 158 606 490 626 1, 190 1, 387 2, 074 1, 832 1, 733 509 421	19,070 11,126 157 621 492 636 1,189 1,397 2,102 1,858 1,746 514 414	19, 114 11, 165 156 625 494 630 1, 185 1, 405 2, 107 1, 863 1, 765 517 418	19, 219 11, 236 625 495 633 1, 185 1, 415 2, 122 1, 787 1, 787 521 423	19, 278 11, 261 156 627 498 622 1, 180 1, 420 2, 134 1, 890 1, 786 523 425	19, 417 11, 373 156 633 503 643 1, 200 1, 432 2, 142 1, 906 1, 808 526 424	19, 499 11, 404 156 635 506 650 1, 208 1, 433 2, 150 1, 915 1, 802 525 424	19, 566 11, 451 156 638 653 1, 215 1, 444 2, 165 1, 797 528 422	19, 611 11, 484 157 638 510 659 1, 218 1, 452 2, 170 1, 931 1, 802 527 420	19, 666 11, 548 156 640 515 659 1, 204 1, 459 2, 202 1, 959 1, 813 527 414	19, 594 11, 527 156 642 508 656 1, 202 1, 460 2, 210 1, 951 1, 802 526 414	19, 612 11, 545 155 648 510 658 1, 211 1, 456 2, 217 1, 944 1, 809 528 409	7 19, 666 7 11, 604 150 7 653 7 517 7 657 7 1, 208 7 1, 473 7 2, 243 7 1, 961 7 1, 801 530 411	r 19, 717 r 11, 627 r 152 663 r 521 r 667 r 1, 207 r 1, 480 r 2, 236 r 1, 975 r 1, 781 532 413	19,876 11,746 153 663 529 669 1,212 1,495 2,252 2,993 1,821 535 424
Nondurable goods Food and kindred products. do. Tobacco manufactures. do Textile mill products. do. Apparel and other textile products. do. Paper and allied products. do. Printing and publishing. do. Chemicals and allied products. do. Petroleum and ccal products. do. Rubber and plastics products, nec. do. Leather and leather products. do.	7, 668 1, 676 78 902 1, 235 643 1, 079 1, 013 197 588 257	7, 930 1, 710 76 966 1, 299 676 1, 080 1, 034 203 614 272	7,944 1,713 75 962 1,278 680 1,089 1,038 203 642 264	7, 949 1, 711 75 961 1, 273 682 1, 089 1, 042 204 648 264	7, 983 1, 723 73 960 1, 279 685 1, 092 1, 045 205 656 265	8,017 1,727 73 967 1,282 687 1,096 1,049 205 666 265	8,044 1,732 69 974 1,284 689 1,099 1,052 207 672 266	8,095 1,741 74 979 1,290 695 1,103 1,057 209 681 266	8,115 1,733 72 986 1,292 701 1,108 1,062 210 684 267	8, 127 1, 736 72 986 1, 301 703 1, 113 1, 061 210 680 265	8, 118 1, 728 72 992 1, 292 705 1, 114 1, 064 210 683 258	8,067 1,710 68 982 1,286 704 1,114 1,061 210 671 261	8,067 1,711 67 985 1,285 702 1,116 1,058 210 671 262	7 8,062 1,692 7 67 987 7 1,285 7 702 7 1,117 1,058 211 673 266	7 8, 090 7 1, 700 67 7 993 7 1, 292 7 7,02 7 1, 119 7 1, 060 212 7 680 7 265	8, 130 1, 708 67 993 1, 296 1, 125 1, 065 213 690 264
Service-producing do. Trans., comm., electric, gas, etc. do. Wholesale and retail trade do. Wholesale trade do. Retail trade do. Finance, insurance, and real estate do. Services do. Government do. Federal do. State and local do.	54, 448 4, 498 17, 000 4, 177 12, 824 4, 223 14, 006 14, 720 2, 748 11, 973	56, 111 4, 509 17, 694 4, 263 13, 431 4, 316 14, 644 14, 948 2, 733 12, 215	56, 643 4, 523 17, 848 4, 291 13, 557 4, 381 14, 858 15, 033 2, 731 12, 302	56, 842 4, 549 17, 925 4, 305 13, 620 4, 398 14, 936 15, 034 2, 720 12, 314	56, 989 4, 544 17, 994 4, 323 13, 671 4, 419 15, 010 15, 022 2, 721 12, 301	57, 107 4, 553 18, 039 4, 334 13, 705 4, 431 15, 068 15, 016 2, 721 12, 295	57, 314 4, 563 18, 118 4, 354 13, 764 4, 453 15, 149 15, 031 2, 725 12, 306	57, 444 4, 575 18, 175 4, 371 13, 804 4, 463 15, 182 15, 049 2, 721 12, 328	57, 573 4, 586 18, 202 4, 379 13, 823 4, 481 15, 197 15, 107 2, 725 12, 382	57, 802 4, 588 18, 264 4, 387 13, 877 4, 494 15, 260 15, 196 2, 735 12, 461	57, 995 4, 572 18, 322 4, 394 13, 928 4, 506 15, 372 15, 223 2, 721 12, 502	58, 169 4, 581 18, 377 4, 398 13, 979 4, 524 15, 448 15, 239 2, 732 12, 507	58, 403 4, 616 18, 431 4, 410 14, 021 4, 545 15, 482 15, 329 2, 728 12, 601	715, 337 2, 730	r 58, 696 r 4, 630 r 18, 486 r 4, 439 r 14, 047 r 4, 600 r 15, 601 r 15, 379 r 2, 727 r 12, 652	58, 886 4, 660 18, 511 4, 456 14, 055 4, 618 15, 676 15, 421 2, 722 12, 699
Production or nonsupervisory workers on private nonagric. payrolls, not seas. adjusted thous. Manufacturing do	51, 149 13, 070	53, 054 13, 625	54, 090 13, 839	54, 219 13, 730	52,746 13,606	52,803 13,600	53, 481 13, 763	54, 222 13, 893	54, 787 14, 021	55, 593 14, 258	55, 428 14, 024	55,718 14,217	55, 926 14, 401	55, 992 14, 343	7 56, 207 7 14, 345	56, 261 14, 329
Production or nonsupervisory workers on private nonagricultural payrolls thous Goods-producing do Contract construction do Manufacturing do Durable goods of Ordnance and accessories do Lumber and wood products do Furniture and fixtures do Primary metal industries do Fabricated metal products do Machinery, except electrical do Electrical equipment and supplies do Instruments and related products do Miscellaneous manufacturing do Miscellaneous manufacturing do Miscellaneous manufacturing do	51, 149 16, 440 565 2, 805 13, 070 7, 543 80 464 485 919 996 1, 346 1, 140 1, 148 309	53, 054 17, 067 593 2, 849 13, 625 7, 866 72 508 402 498 933 1, 046 1, 339 1, 210 1, 226 322	53, 537 17, 171 612 2, 871 13, 688 7, 932 70 524 404 404 506 929 1, 1, 053 1, 354 1, 229 1, 233 313 315	53,718 17, 186 17, 186 2, 854 13,719 7,967 70 528 406 501 925 1,061 1,358 1,233 1,233 1,233 316 319	53, 800 17, 180 609 2, 764 13, 807 8, 024 70 529 405 502 925 1, 069 1, 370 1, 239 1, 273 318 324	54, 080 17, 349 2, 880 13, 852 8, 039 70 532 409 919 1, 075 1, 378 1, 254 1, 267 320 326	54, 462 17, 594 636 2, 983 13, 975 8, 137 70 538 413 511 939 1, 084 1, 385 1, 267 1, 284 321 325	54, 693 17, 739 639 3, 056 14, 044 8, 167 71 540 417 518 944 1, 085 1, 390 1, 276 1, 279 322 325	54,823 17,806 637 3,067 14,102 8,211 772 543 419 952 1,096 1,404 1,285 1,272 323 324	54, 972 17, 881 645 3, 100 14, 136 8, 240 73 544 420 527 954 1, 103 1, 409 1, 287 1, 279 323 321	55, 122 17, 888 624 3, 119 14, 145 8, 271 73 544 423 527 943 1, 106 1, 438 1, 299 1, 281 322 315	55, 117 17, 784 609 3, 097 14, 078 8, 252 71 548 416 6523 937 1, 104 1, 443 1, 296 1, 279 321 314	643 3, 095	755, 349 717, 910 7645 73, 124 714, 141 78, 321 767 7555 424 7945 71, 148 71, 302 71, 287 7325 7311	14, 200 8, 367 67 567 427 533 949	
Nondurable goods	5, 528 1, 136 65 783 1, 061 483 636 570 125 450 219	5, 759 1, 164 63 844 1, 117 512 630 589 131 475 234	5, 756 1, 164 62 838 1, 095 516 632 591 132 501 225	5, 752 1, 160 62 837 1, 092 515 631 591 132 507 225	5, 783 1, 170 60 838 1, 096 517 632 596 133 514 227	5, 813 1, 175 60 842 1, 100 518 635 600 132 524 227	5, 838 1, 181 56 849 1, 102 519 636 602 135 530 228	5,877 1,187 60 855 1,107 522 639 606 137 536 228	5,891 1,181 58 860 1,109 527 642 610 137 538 229	5,896 1,181 7 59 860 1,117 528 642 610 138 534 227	5,874 1,170 57 866 1,105 529 642 612 137 536 220	5,826 1,156 54 855 1,102 528 640 609 137 522 223	5, 825 1, 157 54 857 1, 100 526 639 608 138 522 224	r 5, 820 r 1, 139 r 55 860 1, 100 528 r 641 r 607 r 139 r 524 227	1, 102 531 643 611 141 528	
Service-producing do. Transportation, comm., elec., gas. etc. do. Wholesale and retail trade do. Wholesale trade do. Retail trade do. Finance, insurance, and real estate do. Services do.	34, 709 3, 857 15, 013 3, 462 11, 552 3, 221 12, 617	35, 988 3, 862 15, 641 3, 529 12, 113 3, 293 13, 191	36, 366 3, 865 15, 770 3, 553 12, 217 3, 345 13, 386	36, 532 3, 904 15, 827 3, 562 12, 265 3, 357 13, 444	36, 620 3, 882 15, 876 3, 572 12, 304 3, 371 13, 491	36, 731 3, 878 15, 927 3, 588 12, 339 3, 382 13, 544	36, 868 3, 886 15, 994 3, 602 12, 392 3, 393 13, 595			37, 091 3, 903 16, 114 3, 623 12, 491 3, 420 13, 654			3, 918 16, 234 3, 639 12, 595 3, 459 13, 827		16, 240 3, 656 12, 584 3, 493 13, 947	7. total

^{**}Revised. **Preliminary. OSee end of note† for this page.

†Beginning in the Dec. 1976 Survey, figures for employees on payrolls of establishments as well as hours, earnings, and labor turnover reflect revised seasonal factors. Generally, data are affected back to 1971. A modification has been made in the method to seasonally adjust most aggregated hours and earnings series (e.g., hours per worker on total private nonagricultural payrolls, the manufacturing division, durable goods subdivision, etc.). Aggregate levels are now the weighted averages of their seasonally adjusted components; heretofore these levels were directly adjusted. Previously published hours are subject to

revision as follows: Manufacturing, durable and nondurable goods beginning 1947, total private and total trade, 1964, overtime hours, 1956. Effective with the Feb. 1977 SURVEY, the data reflect corrections made (back to July 1975) to employment levels in 4 divisions (construction, retail trade, services, and State and local government) to adjust for the formation of new businesses during the recovery phase of the 1973-75 recession. For current factors, historical data, and methodology, see the Dec. 1976 and Feb. 1977 issues of EMPLOY-MENT AND EARNINGS (U.S.D.L., BLS), available from U.S. Gov't. Printing Office, Wash. D.C. 20402.

Unless otherwise stated in footnotes belo	w, data	1975	1976	19	76						197	77					
the 1975 edition of BUSINESS STATIS	rics	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. p
	LABOI	R FO	RCE,	EMP	LOYN	MENT	Γ, AN	D EA	RNIN	IGS-	-Conti	inued					
AVERAGE HOURS PER WEEK†																	
Avg. weekly hours per worker on private n payrolls: Seasonally adjusted. Not seasonally adjusted. Mining. Contract construction. Manufacturing: Not seasonally adjusted. Seasonally adjusted. Overtime hours.	hours do do do	36. I 42. 3 36. 6 39. 4	36. 2 42. 8 37. 1 40. 0	36. 2 36. 1 43. 3 37. 3 40. 3 40. 1 3. 1	36. 2 36. 4 43. 6 37. 2 40. 6 40. 0 3. 2	35, 8 35, 4 43, 1 35, 4 39, 0 39, 5 3, 2	36, 2 35, 9 43, 5 37, 5 39, 9 40, 3 3, 3	36. 2 36. 0 44. 2 37. 2 40. 2 40. 4 3. 3	36. 2 36. 0 44. 3 37. 3 40. 0 40. 3 3. 4	36, 3 36, 1 44, 1 37, 4 40, 3 40, 4 3, 4	36. 2 36. 4 44. 1 36. 8 40. 8 40. 5 3. 4	36. 1 36. 5 44. 8 36. 9 40. 1 40. 2 3. 4	36, 0 36, 5 44, 2 36, 5 40, 3 40, 3 3, 3	36. 0 36. 2 44. 3 36. 4 40. 6 40. 3 3. 3	36. 2 36. 2 7 44. 6 36. 8 40. 5 40. 4 3. 5	36. 1 36. 0 44. 6 36. 9 40. 6 40. 5 3. 5	36. 0 43. 2 36. 5 40. 3 3. 4
Durable goods Overtime hours. Ordnance and accessories. Lumber and wood products. Furniture and fixtures. Stone, clay, and glass products. Primary metal industries. Fabricated metal products. Machinery, except electrical. Electrical equipment and supplies. Transportation equipment. Instruments and related products. Miscellaneous manufacturing ind.	do do	39. 9 2. 5 41. 3 39. 1 37. 9 40. 6 40. 0 40. 9 39. 5 40. 3 39. 5 38. 3	40. 6 3. 1 40. 7 40. 2 38. 7 41. 2 40. 6 41. 1 40. 4 41. 6 40. 4 38. 7	40. 7 3. 2 40. 6 40. 3 38. 6 41. 2 40. 4 40. 8 41. 4 40. 2 42. 0 40. 4 38. 9	40. 5 3. 3 40. 9 40. 3 38. 5 41. 2 40. 2 40. 5 41. 2 40. 6 38. 9	40. 0 3. 4 40. 6 40. 0 36. 9 40. 0 40. 1 39. 8 40. 5 39. 4 41. 6 39. 7 38. 1	40. 8 3. 4 40. 8 40. 4 38. 2 41. 4 40. 7 40. 8 41. 4 40. 5 41. 6 40. 9 39. 5	41. 0 3. 5 40. 7 40. 2 38. 6 41. 4 41. 1 41. 0 41. 5 40. 3 42. 6 40. 4 39. 2	40.8 3.5 41.0 40.0 38.5 41.7 41.4 40.8 41.4 40.1 42.0 40.3 39.0	41. 0 3. 6 41. 1 40. 0 38. 7 41. 6 41. 5 41. 0 41. 6 40. 2 42. 5 40. 4 39. 0	41. 2 3. 6 40. 8 39. 9 38. 9 41. 6 41. 5 41. 3 42. 0 40. 4 42. 8 40. 7 39. 3	40. 9 3. 6 40. 3 40. 4 38. 8 41. 4 41. 1 41. 0 41. 8 40. 2 42. 0 40. 3 38. 7	741.0 3.5 40.2 39.6 39.0 41.4 41.0 40.9 41.5 40.3 38.8	41. 0 3. 5 40. 6 40. 0 39. 2 41. 0 40. 9 41. 8 40. 3 42. 6 40. 3 39. 0	41. 2 7 3. 8 7 40. 8 7 40. 1 7 39. 5 7 41. 1 1 42. 0 40. 3 7 42. 7 40. 6 39. 1	41. 1 3. 7 40. 2 40. 5 7 39. 5 7 41. 3 7 41. 1 7 41. 9 7 40. 2 42. 5 7 40. 4 7 39. 2	40. 9 3. 6 40. 8 39. 9 39. 5 41. 4 41. 3 41. 0 41. 8 40. 5 40. 5 40. 0 39. 2
Nondurable goods	do do do	38. 8 2. 7 40. 3 38. 0 39. 2 35. 1	39. 3 3. 0 40. 3 37. 8 40. 1 35. 6	39, 2 3, 0 40, 3 36, 8 39, 8 35, 2	39. 3 73. 0 40. 1 37. 5 40. 1 35. 2	38, 8 3, 0 39, 4 36, 1 40, 1 34, 2	39, 5 3, 2 40, 3 39, 1 40, 5 35, 6	39. 5 3. 1 40. 2 38. 2 40. 7 35. 6	39, 6 3, 2 40, 3 38, 2 40, 5 35, 3	39, 5 73, 2 40, 0 38, 4 40, 5 35, 6	39, 5 3, 1 40, 0 38, 7 40, 3 35, 8	39. 3 3. 0 39. 8 38. 6 40. 1 35. 3	39. 3 3. 1 39. 7 37. 8 40. 2 35. 5	39, 3 3, 0 39, 5 38, 6 40, 3 35, 3	39. 4 3. 1 39. 5 7 38. 2 7 40. 5 7 35. 6	39. 5 3. 2 7 39. 8 7 38. 7 40. 6 7 35. 7	39. 4 3. 2 39. 5 37. 6 40. 7 35. 8
Paper and allied products. Printing and publishing Chemicals and allied products. Petroleum and coal products. Rubber and plastics products, nec Leather and leather products.	dododo	41. 6 37. 0 40. 9 41. 6 39. 7 37. 4	42. 4 37. 5 41. 6 42. 2 40. 7 37. 3	42. 4 37. 6 41. 7 42. 0 41. 2 36. 4	42. 5 37. 7 41. 7 42. 4 41. 4 36. 4	41, 9 37, 5 41, 6 42, 3 40, 9 35, 3	42, 7 37, 8 41, 7 42, 4 41, 3 36, 8	42. 8 37. 7 41. 8 42. 9 41. 2 36. 5	43. 5 37. 8 41. 8 42. 7 41. 3 37. 3	42. 9 37. 6 41. 7 42. 6 41. 3 37. 1	43. 1 37. 7 41. 9 43. 1 41. 2 37. 2	42. 7 37. 8 41. 7 42. 8 40. 6 36. 8	42. 4 37. 7 41. 8 43. 0 40. 8 37. 3	42. 7 38. 0 41. 7 42. 8 40. 7 37. 6	42.8 37.9 41.6 7 43.2 40.9 7 37.7	42.7 737.9 41.7 743.3 740.9 737.7	43. 1 37. 8 41. 4 43. 6 40. 8 37. 2
Trans., comm., elec., gas, etc Wholesale and retail trade. Wholesale trade. Retail trade. Finance, insurance, and real estate. Services.	dododo	39. 6 33. 8 38. 6 32. 4 36. 5 33. 8	39, 9 33, 6 38, 8 32, 1 36, 6 33, 5	40. 2 33. 4 38. 7 31. 9 36. 7 33. 5	40, 4 33, 6 38, 6 32, 2 36, 7 33, 5	39, 8 33, 3 38, 7 31, 7 36, 7 33, 5	40. 5 33. 4 39. 1 31. 8 36. 6 33. 5	40, 3 33, 4 38, 9 31, 8 36, 7 33, 5	40. 1 33. 4 38. 9 31. 8 36. 6 33. 5	40, 3 33, 5 38, 8 31, 9 36, 7 33, 5	40. 1 33. 3 38. 8 31. 7 36. 6 33. 3	39, 9 33, 3 38, 8 31, 7 36, 6 33, 2	40, 0 33, 2 38, 8 31, 6 36, 7 33, 2	39. 9 33. 2 38. 8 31. 6 36. 6 33. 2	7 39. 7 33. 5 39. 1 31. 9 36. 7 7 33. 5	7 39. 9 7 33. 3 7 39. 0 7 31. 6 7 36. 7 33. 3	40. 0 33. 2 38. 8 31. 6 36. 5 33. 3
AGGREGATE EMPLOYEE-HOU Seasonally Adjusted	JRS					}											
Employee-hours, wage & salary worker agric. establish, for I week in the mont ally adjusted at annual rate†bi Total private sector. Mining Contract construction. Manufacturing. Transportation, comm., elec., gas. Wholesale and retail trade. Finance, insurance, and real estate. Services. Government.	h, season- il. hoursdododododododododododododododododododo	146. 92 117. 84 1. 64 6. 68 37. 63 9. 26 29. 99 8. 02 24. 62 29. 09	151, 39 122, 09 1, 74 6, 93 39, 31 9, 36 31, 02 8, 21 25, 51 29, 30	152, 59 123, 20 1, 81 7, 00 30, 56 9, 46 31, 12 8, 36 25, 88 29, 40	153. 61 123. 80 1. 84 6. 99 39. 56 9. 59 31. 40 8. 40 26. 02 29. 81	7 123. 04 7 1. 83 7 6. 53 7 39. 46 7 9. 40 7 31. 24 7 8. 43	r 1.86 r 7.14 r 40.13 9.59 r 31.47 8.43 r 26.25	r 155. 35 r 125. 73 r 1. 93 r 7. 27 r 40. 50 r 9. 56 r 31. 51 8. 50 26. 39 29. 62	7 155. 81 7 126. 15 7 1. 95 7 7. 43 7 40. 62 9. 54 7 31. 67 8. 49 26. 45 7 29. 66	r 156. 50 r 126. 65 r 1. 94 r 7. 49 r 40. 82 r 9. 61 r 31. 76 8. 55 26. 47 r 29. 85	7 156. 62 7 126. 67 1. 96 7 7. 44 7 41. 00 7 9. 57 7 31. 73 7 8. 55 7 26. 42 7 29. 95	157. 11 126. 80 1. 94 7. 51 40. 92 9. 49 31. 82 8. 58 26. 54 30. 32	156. 99 126. 72 1. 88 7. 39 40. 77 9. 53 31. 84 8. 63 26. 67 30. 27	157. 14 127. 09 1. 97 7. 37 40. 86 9. 58 31. 94 8. 65 26. 73 30. 05	7 158. 69 7 128. 06 1. 99 7 7. 48 7 41. 09 7 9. 52 7 32. 20 8. 72 7 27. 06 7 30. 65		158. 12 128. 21 1. 60 7. 52 41. 40 9. 69 32. 09 8. 76 27. 14 29. 91
Indexes of employee-hours (aggregate we Private nonagric, payrolls, total	967 = 100 do	107. 5 91. 2 119. 5 100. 6 88. 8 87. 5 90. 8 118. 8 101. 7 114. 7 111. 6 115. 8 123. 5 130. 9	111. 9 96. 3 127. 0 103. 6 94. 0 92. 7 95. 8 122. 1 102. 4 118. 9 114. 3 126. 9 135. 8	112. 8 797. 1 132. 6 104. 9 94. 5 93. 8 95. 6 123. 7 103. 3 119. 1 114. 8 120. 7 129. 1 137. 7	113. 3 97. 0 133. 7 104. 0 94. 5 93. 7 95. 7 124. 7 120. 3 114. 8 122. 3 129. 6 138. 3	112, 3 95, 2 131, 3 95, 9 93, 9 93, 2 94, 9 124, 1 102, 4 115, 4 120, 8 130, 1 138, 8		115. 0 100. 1 140. 6 108. 7 97. 2 96. 8 97. 7 125. 3 104. 1 120. 7 116. 9 122. 1 131. 0	115, 4 100, 8 141, 6 111, 7 97, 5 96, 9 98, 5 125, 5 103, 8 121, 0 117, 3 122, 4 131, 0	115. 9 101. 4 140. 6 112. 4 98. 1 97. 8 98. 5 125. 9 104. 6 121. 4 117. 3 123. 0 131. 6 140. 3	115. 8 101. 8 142. 3 111. 8 98. 7 98. 7 125. 6 104. 1 121. 2 117. 3 122. 7 131. 7	115. 8 101. 4 139. 9 112. 8 98. 0 98. 3 97. 7 125. 8 103. 1 121. 6 117. 5 123. 1 132. 3 140. 1	115. 6 100. 6 134. 7 110. 8 97. 6 98. 1 96. 9 126. 1 103. 5 121. 6 117. 5 123. 1 132. 7 140. 6	115. 9 100. 9 142. 5 110. 4 97. 8 98. 4 96. 9 126. 4 103. 9 121. 8 117. 8 123. 3 133. 2 140. 9	116. 8 r 101. 7 r 143. 9 r 112. 3 r 98. 4 r 99. 3 97. 1 127. 2 r 102. 9 122. 7 118. 7 r 124. 2 134. 2 r 142. 7	7 117. 1 102. 4 7 144. 8 113. 9 7 98. 9 7 99. 6 7 97. 8 7 127. 3 7 104. 1 7 122. 3 7 119. 1 7 123. 4 7 135. 2 142. 6	117. 0 101. 8 112. 2 113. 2 99. 4 100. 3 98. 1 127. 6 105. 4 122. 2 118. 8 123. 4 134. 9
Average hourly earnings per worker:¶ Not seasonally adjusted: Private nonagric. payrolls. Mining. Contract construction. Manufacturing. Excluding overtime. Durable goods. Excluding overtime. Ordnance and accessories. Lumber and wood products. Furniture and fixtures. Stone, clay, and glass products. Primary metal industries. Fabricated metal products. Machinery, except electrical. Electrical equipment and suppl Transportation equipment. Instruments and related product. Miscellaneous manufacturing in	NGS dollars do.	4. 54 5. 90 7. 25 4. 66 5. 14 4. 66 5. 14 8. 5. 23 4. 28 5. 23 4. 28 6. 17 5. 04 5. 36 4. 58 4. 58 6. 37 6.	4. 87 6. 42 7. 68 5. 19 5. 50 5. 53 5. 72 4. 71 3. 98 5. 49 6. 80 5. 49 4. 91 4. 87	5. 00 6. 62 7. 86 5. 14 5. 68 5. 94 5. 94 4. 86 4. 97 6. 94 5. 53 5. 91 5. 69 4. 99 4. 99	5. 02 6. 71 7. 88 5. 42 5. 78 5. 56 6. 05 4. 88 4. 13 5. 47 7. 00 5. 62 5. 99 5. 15 6. 94 5. 19 4. 18	5. 07 6. 76 7. 96 5. 46 5. 25 5. 81 5. 59 6. 06 4. 95 4. 15 5. 58 6. 01 5. 16 6. 95 5. 10	5. 09 6. 76 7. 88 5. 43 5. 24 5. 79 6. 06 4. 91 4. 16 5. 57 6. 02 5. 17 6. 02 5. 17	5. 12 6. 78 7. 87 5. 28 5. 27 5. 84 5. 27 5. 84 5. 61 6. 12 4. 89 4. 19 5. 57 7. 13 5. 65 6. 04 5. 18 6. 99 5. 10	5. 15 6. 80 7. 88 5. 52 5. 31 5. 86 6. 14 4. 21 5. 66 7. 22 5. 67 6. 07 7. 01 5. 11	5. 19 6. 81 7. 91 5. 56 5. 73 5. 70 6. 16 4. 97 4. 23 5. 73 7. 39 5. 73 6. 10 5. 23 6. 10 5. 23 6. 10 5. 23 6. 10 5. 23 6. 10 6. 23 7. 10 7. 10 7. 10 8. 23 7. 10 8. 24 8. 25 8. 26 8. 2 6. 88 7. 97 5. 60 5. 74 6. 10 5. 01 4. 28 5. 79 7. 45 5. 82 6. 15 5. 22 6. 15 5. 22 6. 15 5. 22 6. 15 5. 37 7. 45 6. 15 5. 82 6. 15 7. 18 7. 5 6, 90 8, 90 5, 65 5, 43 5, 79 6, 24 5, 07 4, 29 7, 52 5, 84 6, 17 7, 15 5, 20 4, 33	5. 26 6. 86 5. 65 5. 42 6. 03 5. 76 6. 30 5. 13 4. 35 7. 60 5. 87 6. 21 5. 40 7. 11 5. 21 4. 33	5. 36 7. 05 8. 20 5. 75 5. 48 6. 14 5. 83 6. 12 4. 38 7. 70 5. 95 6. 32 5. 46 7. 27 5. 43 84. 38	5. 40 7.7.08 7.5.53 7.5.91 7.5.91 7.7.72 6.00 7.5.91 7.7.72 6.00 7.5.91 7.7.743 7.7.743	7 5. 41 7 7. 11 7 8. 22 5. 81 5. 56 6. 21 7 5. 94 6. 44 7 5. 22 7 4. 43 7 6. 03 7 6. 41 7 7. 46 7 5. 51 7 7. 46 7 5. 53	5. 41 6. 61 8. 23 5. 87 5. 61 6. 27 5. 99 6. 46 5. 20 4. 49 5. 93 7. 79 6. 02 6. 52 5. 54 5. 41 4. 44		

^{&#}x27;Revised. ' Preliminary. \P Production and nonsupervisory workers. † See corresponding note, p. S-14.

 $\$ NOTE FOR P. S-16—Effective with the May 1977 Survey, the indexes have been slightly revised (and reflect an improvement in the processing system and corrections to the data file) back to 1964.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						197	77					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.»	Dec. p
LABO	R FO	RCE,	EMP:	LOYN	1ENT	', ANI) EA	RNIN	GS-	Conti	nued	<u>-</u>				
HOURLY AND WEEKLY EARNINGS-Con.																-
Avg. hourly earnings per worker, private nonagric. payrolls. Not seas. adj. ¶—Continued					ļ											
Manufacturing—Continued Nondurable goodsdollars Excluding overtimedo	4.35 4.20	4. 68 4. 51	4. 84 4. 67	4. 90 4. 71	4.95	4.93	4. 95 4. 77	4. 99 4. 81	4. 99 4. 81	5. 03 4. 83	5. 10 4. 91	5. 11 4. 92	5. 17 4. 96	r 5. 17 4. 97	5. 21 r 5. 00	5. 25 5. 04
Food and kindred products do Tobacco manufactures do do do do do do do do do do do do do	4. 57 4. 51	4. 96 4. 91	5. 09 4. 87	5. 16 5. 04	4. 77 5. 22 5. 16	4. 75 5. 22 5. 37	5. 22 5. 36	5. 26 5. 69	5, 28 5, 58	5. 28 5. 77	5. 32 5. 68	5. 36 5. 43	5. 42 5. 37	5. 42 5. 31	7 5. 50 7 5. 58	5. 54 5. 76
Textile mill productsdodoApparel and other textile productsdo	3. 40 3. 19	3, 67 3, 41	3. 81 3. 50	3. 83 3. 52	3. 83 3. 57	3. 84 3. 55	3. 85 3. 57	3. 87 3. 57	3, 86 3, 56	3. 90 3. 62	4. 02 3. 59	4. 05 3. 62	4.08 3.68	4.08 3.69	7 4. 10 7 3. 71	4. 10 3. 74
Paper and allied productsdo Printing and publishingdo Chemicals and allied productsdo	4. 99 5. 36 5. 37	5. 43 5. 69 5. 89	5. 62 5. 82 6. 09	5. 66 5. 86 6. 14	5. 69 5. 92 6. 18	5. 69 5. 93 6. 18	5. 72 5. 97 6. 21	5. 79 5. 98 6. 27	5. 80 60. 2 6. 29	5. 86 6. 06 6. 35	5. 97 6. 09 6. 44	6. 00 6. 15 6. 45	6. 07 6. 21 6. 52	6. 10 6. 23 7 6. 56	7 6. 13 7 6. 25 6. 59	6. 19 6. 27 6. 65
Petroleum and coal productsdo Rubber and plastics products, necdo	6. 42 4. 35	7. 14 4. 62	7. 26 4. 94	7. 29 5. 01	7. 40 5. 07	7. 63 5. 03	7. 68 5. 03	7. 70 5. 06	7. 69 5. 05	7. 73 5. 12	7.78 5.12	7.73 5.14	7. 79 5. 18	77.81	77.81 5.21	7.84 5.25
Leather and leather productsdo Transportation, comm., elec., gasdo	3. 23 5. 92 3. 75	3. 44 6. 46 3. 97	3.50 6.65 4.08	3, 53 6, 65 4, 07	3. 57 6. 70	3.60 6.74	3. 61 6. 71 4. 20	3. 61 6. 80 4. 2 3	3. 63 6. 83 4. 25	3. 63 6. 83 4. 26	3. 60 6. 97 4. 28	3. 62 6. 99 4. 28	3. 67 7. 10 4. 34	3.68	73.70	3. 71 7. 23 4. 38
Wholesale and retail trade do Wholesale trade do Retail trade do	4. 89 3. 34	5. 18 3. 55	5. 31 3. 65	5. 34 3. 65	4. 17 5. 41 3. 73	4. 20 5. 40 3. 76	5. 41 3. 76	5. 48 3. 78	5. 52 3. 80	5. 51 3. 82	5. 56 3. 84	5. 56 3. 83	5. 63 3. 88	7 4.38 7 5.69 7 3.90	7 4.38 7 5.69 7 3.91	5. 75 3. 92
Finance, insurance, and real estatedo	4. 13 4. 06	4. 36 4. 36	4. 40 4. 49	4. 43 4. 52	4. 52 4. 60	4. 52 4. 61	4. 51 4. 62	4. 54 4. 64	4. 58 4. 67	4, 54 4, 66	4. 59 4. 68	4. 60 4. 68	4. 65 4. 80	4.72 r 4.85	74.71 74.86	4, 75 4, 89
Seasonally adjusted:† Private nonagricultural payrollsdo Miningdo	4. 54 5. 90	4. 87 6. 42	5.00 6.61	5. 02 6. 67	5. 07 6. 69	5. 10 6. 71	5. 13 6. 77	5, 17 6, 79	5. 20 6. 82	5. 22 6. 91	5. 27 6. 95	5, 28 6, 92	5, 32 7, 03	5. 37 7. 12	5. 39 7. 08	
Contract construction do Manufacturing do	7. 25 4. 81	7. 68 5. 19	7.81 5.34	7.83 5.38	7. 92 5. 43	7.90 5.45	7. 91 5. 49	7. 95 5. 53	7. 97 5. 57	8. 04 5. 61	8.06 5.66	8. 08 5. 68	8. 09 5. 73	8. 16 5. 79	8. 15 5. 81	
Transportation, comm., elec., gasdo Wholesale and retail tradedo Finance, insurance, and real estatedo	5. 92 3. 75 4. 13	6. 46 3. 97 4. 36	6, 62 4, 08 4, 43	6.65 4.11 4.43	6.70 4.15 4.52	6. 74 4. 17 4. 48	6.76 4.20 4.50	6.83 4.23 4.54	6.88 4.24 4.56	6.88 4.26 4.54	7.00 4.30 4.60	6.93 4.31 4.61	7.03 4.33 4.65	7.07 4.36 4.74	7.15 4.37 4.73	
Indexes of avg. hourly earnings, seas, adj.: ① ¶ †	4.06	4. 36	4.48	4,50	4.58	4.58	4.61	4.64	4.66	4.67	4.72	4.76	4.78	4.84	4.84	
Private nonfarm economy: Current dollars1967=100	172. 5 107. 0	185. 0 108. 5	189.7 109.3	190.7 109.4	192.6 109.7	193. 2 109. 0	194. 2 108. 8	195. 6 108. 8	196. 4 108. 6	197.4 108.5	199. 4 109. 2	199. 9 109. 1	201. 2 109. 5	, 203. 3 , 110. 3	7 204. 0 7 110. 1	204.8 110.2
1967 dollars△	182. 9 175. 4	199. 2 185. 6	205. 2 189. 2	207. 3 189. 8	208. 2 191. 8	209. 9 191. 4	210. 6 191. 8	211.5 193.2	213. 1 193. 3	215. 4 194. 9	217. 1 195. 1	217. 4 195. 8	218. 8 196. 2	7 221. 7 7 197. 8	7 221. 1 7 198. 1	216. 1 198. 4
Manufacturingdo Transportation, comm., elec., gasdo	171. 6 181. 8	184. 7 198. 6	189. 8 203. 5	191. 0 203. 5	192. 3 205. 3	193. 4 206. 2	194. 3 206. 9	195. 6 209. 2	196. 9 209. 9	198. 5 210. 3	200.3 214.3	201. 2 212. 4	202.7 215.0	7 204. 2 7 217. 8	7 205. 4 7 218. 9	205. 7 221. 2
Wholesale and retail tradedo Finance, insurance, and real estatedo Servicesdo	168. 0 161. 5 175. 2	178. 6 180. 5 188. 4	183. 4 173. 3 193. 2	184. 7 173. 1 194. 4	186. 2 176. 7 197. 5	187. 4 175. 5 197. 3	188. 7 176. 1 198. 7	190.0 177.8 199.9	190.6 178.5 200.5	191.1 177.7 201.4	193. 1 180. 3 203. 5	193. 3 180. 6 204. 8	194. 4 181. 8 205. 8	7 196. 2 7 185. 2 7 208. 6	7 196. 8 7 185. 4 7 208. 5	198. 5 185. 9 209. 3
Hourly wages, not seasonally adjusted: Construction wages, 20 cities (ENR):																
Common labor \$\frac{1}{2}\$ per hr. Skilled labor \$\frac{1}{2}\$ do. Farm (U.S.) wage rates, hired workers, by	8. 30 11. 01	8. 93 11. 85	9. 19 12. 16	9. 20 12. 21	9. 20 12. 21	9. 22 12. 25	9. 24 12. 25	9. 24 12. 27	9. 24 12. 27	9. 37 12. 49	9. 55 12. 75	9. 64 12. 75	9. 68 12. 85	9. 68 12. 87	9, 69 12, 90	9. 74 12. 74
method of pay: All workers, including piece-rate\$ per hr.	2.43	2.66			2.96			2.82			2.77			2,99		
All workers, other than piece-ratedo Workers receiving cash wages onlydo Workers paid per hour, cash wages onlydo	2.38 2.60 2.45	2. 61 2. 81 2. 65			2.90 3.12 2.86			2.77 3.00 2.84			2.74 2.93 2.81			2. 92 3. 24 3. 08		
Railroad wages (average, class I)do	6. 237	6, 929		6, 987												
Avg. weekly earnings per worker, ¶private nonfarm:† Current dollars, seasonally adjusted	163. 89 101. 67	176. 29 103. 40	181.00 104.32	181.72 104.32	181. 51 103. 37	184.62 104.13	185.71 104.10	187. 15 104. 09	188.76 104.34	188. 96 103. 88	190. 25 104. 19	190, 08 103, 76	191.52 r 104. 20	r 194. 76 r 105. 68	194. 58 105. 06	194. 76 104. 77
Spendable earnings (worker with 3 dependents): Current dollars, seasonally adjusted	145, 93	156. 50	160.04	160. 58	160. 42	162.76	163.58	164.66	165. 87	172. 67	173. 69	173. 55	174.69	r 177. 23	177.09	177. 23
1967 dollars, seasonally adjusted △ Current dollars, not seasonally adjusted: Private nonform total	90, 53 163, 89	91.79	92. 24 180. 50	92. 18 182. 73	91. 36 179. 48	91. 80 182. 73	91. 69 183. 96	91. 58	91. 69 187. 36	94. 93 190. 01	95. 12 191. 63	94. 73 191. 99	95. 04 194. 03	195.48	95. 62 r 194. 76	95. 34 195. 84
Private nonfarm, total. dollars. Mining do Contract construction do	249. 57 265. 35	274. 78 284. 93	288, 63 289, 25	293. 23 289. 98	286. 62 269. 84	292, 71 288, 41	296, 29 289, 62	298. 52 291. 56	300. 32 296. 63	306.85 298.08	309. 81 302. 40	303. 21 301. 44	315. 14 304. 22	r319.31 r310.20	r 319. 24 r 299. 21	286. 21 297. 10
Durable goods do	189. 61 205. 09 168. 78	207. 60 225. 33 183. 92	215, 20 232, 31 190, 70	220. 05 238. 71 194. 53	212. 94 229. 50 189. 59	216. 66 233. 92 192. 76	220. 30 238. 27 194. 54	220. 80 239. 32 195. 11	224. 07 243. 95 196. 11	228. 48 249. 00 200, 19	226. 57 244. 82 200. 43	227. 70 246. 02 201. 85	233.45 253.58 204.73	234. 09 r 255. 03 r 204. 22	235.89 256.47 206.84	240, 08 261, 46 208, 95
Nondurable goodsdodo	234. 43 126. 75	257. 75 133. 39	267. 33 135. 46	269. 33 137. 97	264. 65 136. 78	270.95 138.60	267. 73 139. 02	271.32 140.01	273. 20 141. 10	275. 25 143. 14	280.89 145.95	282.40 145.52	284.71 144.52	7286.08 7145.85	7287.28 7144.54	289. 92 146. 73
Wholesale trade do Retail trade do Finance, insurance, and real estate do	188, 75 108, 22 150, 75	200. 98 113. 96 159. 58	205. 50 115. 34 161. 04	20. 826 118. 63 162. 58	208. 29 116. 00 166. 34	209. 52 117. 69 165. 88	209. 37 118. 06 165. 07	212. 08 119. 07 166. 16	213. 62 120. 08 167. 63	214. 34 122. 62 166. 16	216. 84 125. 57 168. 45	216. 28 214. 86 169. 28	219.01 122.61 169.73	7222, 48 7123, 24 173, 22	7 221. 91 7 122. 38 7 172. 39	225. 40 125. 05 173. 38
Servicesdo	137. 23	146.06	149. 97	150.97	153. 18	153. 97	153. 85	154.51	155. 51	156. 11	158. 18	157. 72	159.36	161. 99	161.35	162.35
HELP-WANTED ADVERTISING Seasonally adjusted index	80	95	99	105	105	- 106	108	109	112	114	121	122	120	128	133	140
LABOR TURNOVER											i					
Manufacturing establishments: Unadjusted for seasonal variation: Accession rate, total																
mo rate per 100 employees	3.7 2.0 4.2	3.9 2.6	3. 0 1. 9 3. 4	2. 2 1. 3	3.7 2.2 3.9	3.7 2.1	4.0 2.6	3.8 2.7	4. 6 3. 4 3. 5	4.9 3.7	4. 2 3. 9 4. 3	5. 2 3. 9 5. 1	4.6 3.5 4.8	3. 8 2. 9 3. 8	7 3. 0	2.3 1.5
New hires. do Separation rate, total. do Quit. do Layoff. do	1. 4 2. 1	3.8 1.7 1.3	1.2	3.5 1.0 1.8	1.4 1.7	3.4 1.3 1.4	3.4 1.6 1.0	3.4 1.7	1.9	3.5 1.9 .8	1.9 1.5	3. 1 1. 0	2.8 1.1	1.9 1.1	3.3 1.5 1.1	3.3 1.2 1.4
Seasonally adjusted:†			3.9	4.1	4. 0 2. 7	4.6	4.2	4.0	4.1	3, 9	3.8 2.7	3.8 2.7	3.9		r 3. 9	4.4
New hires			2.5 3.6 1.5	2.6 3.7 1.7	3.8	2.9 4.1 1.9	3.0 3.8 1.9	3.0 3.8 1.9	3.0 3.8 1.9	2. 8 3. 8 1. 8	2.7 3.9 1.8	2.7 3.9 1.8	2.7 3.9 1.8	3.8 2.7 3.7 1.8	2.9 3.6 1.9	3. 1 3. 9 2. 1
Layoffdo			1.3	1.2	1.8 1.2	1.4	1.1	1.1	i.i	1.2	1.3	1.3	1.3	1.1	.9	7.9
WORK STOPPAGES ⊙ Industrial disputes:						[
Number of stoppages: Beginning in month or yearnumber	5, 031	5,600	452 861	248 607	351 518	314 549	391 600	615 850	551 908	664 968	609 1,032	458 904	566 872	480 853	406 723	» 185
In effect during monthdo Workers involved in stoppages: Beginning in month or yearthous	1,746	2,500	201	75	109	158	222	202	254	205	289	155	175	171	117	p 239
In effect during month do Days idle during month or year do	31, 237		426 2,391	168 1,459	176 1,160	260 1,356	340 2,094	308 3, 045	455 4,131	362 3,292	483 3,864	405 4, 359	335 3,408	329 3,810	342 4, 160	p 4, 425

r Revised. p Preliminary. ¶ Production and nonsupervisory workers. ⊕The indexes exclude effects of changes in the proportion of workers in high-wage and low-wage industries, and the manufacturing index also excludes effects of fluctuations in overtime premiums; see note "\$." p. S-15. △Earnings in 1967 dollars reflect changes in purchasing power since 1967 by dividing by Consumer Price Index: effective Feb. 1977 Survey, data reflect new seas, factors for the CPI. †Effective with the Dec. 1976 Survey, seas. adjusted hourly and weekly earnings were revised back to 1964; subsequent revisions appear in Feb.

1977 SURVEY (see †, p. S-14). Seas, adjusted total accession and total separation rates in manufacturing reflect a new seas, adjustment method: These levels are the sum of their seas, adjusted components (total rates were revised back to 1951 and 1930). \(\sigma^{N}\)Wages as of Jan. 1, 1978: Common, \$9.77; skilled, \$13.01. \(\sigma^{N}\)Eventure are in the July 1976 SURVEY.

**Does not reflect those layoffs of less than 7 consecutive days caused by cold weather or energy supplies.

Unless otherwise stated in footnotes below, data	1975	1976	19	76			-			19	77					
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Ann	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
LABO	R FO	RCE,	EMP	LOYN	1ENT	, AN	D EA	RNIN	GS-	Conti	inued					
UNEMPLOYMENT INSURANCE Unemployment insurance programs: Insured_unemployment, all programs, average												0 881				
weekly § 9 thous. State programs (excl. extended duration prov.) Initial claims thous. Insured unemployment, avg. weeklydo Percent of covered employment: Δ	4, 943 24, 863 3, 986	3, 822 20, 065 2, 991	3, 453 1, 767 2, 694	3, 884 2, 252 3, 103	4, 442 2, 552 3, 638	1, 995 3, 647	3, 972 1, 483 3, 173	3, 506 1, 357 2, 752	3, 105 1, 325 2, 414	2, 939 1, 429 2, 289	3, 065 1, 707 2, 465	2,751 1,467 2,322	2, 643 1, 229 2, 089	2, 649 1, 350 2, 071	p 1, 580 p 2, 274	
Unadjusted. Seasonally adjusted. Beneficiaries, average weeklythous. Benefits paid \$	3, 371	4. 6 2, 450 8, 974. 5	4.1 4.8 2,046 666.7	4.7 4.4 2,368 819.0	5. 5 4. 2 2, 975 955, 3	5, 5 4, 2 3, 106 975, 6	4.8 3.8 2,897 1,038.5	4. 1 3. 7 2. 363 763. 7	3. 6 3. 7 1, 998 666. 0	3. 4 3. 8 1, 988 658. 3	3. 6 3. 9 1, 898 592. 4	3. 4 4. 1 1, 933 671. 3	3. 1 4. 1 1, 693 565. 2	3. 0 4. 0 1, 613 584. 2	p 3. 3 p 3. 9 p 1, 663 p 604. 6	
Federal employees, insured unemployment, average weeklythousVeterans' program (UCX):	45	50	52	55	60	59	57	50	43	41	41	39	38	40	p 41	
Initial claims	413 100 101 528. 5	401 98 98	33 96 90 32.4	35 101 96 36.0	33 103 104 35, 6	29 101 99 32. 5	31 95 97 36. 9	26 87 85 29. 6	26 78 74 27. 2	32 74 76 28, 0	32 76 71 25, 1	34 74 72 28. 2	31 69 65 25. 0	^p 28 67 ^p 64 ^p 25. 3	^p 27 p 67 p 69 p 26. 2	
Applications thous Insured unemployment, avg. weeklydo Benefits paid mil. \$	153 27 89. 5	115 27 134. 8	9 24 9.5	6 23 10.1	8 29 11. 0	30 10.9	5 28 13. 5	3 21 9.1	16 6. 2	11 13 6.7	17 15 4,7	13 18 5. 9	10 20 5. 5	7 20 7. 4	8 * 21 9, 1	
	1				FINA	NCE			1	1	1	3	1		ı)
BANKING Open market paper outstanding, end of period: Bankers' acceptances	47,690 37,515 6,239	22, 523 52, 011 39, 680 7, 294 32, 386 12, 331	20, 678 53, 080 39, 768 7, 113 32, 655 13, 312	22, 523 52, 011 39, 680 7, 294 32, 386 12, 331	22, 362 53,905 40,100 7, 347 32,753 13, 805	22, 187 54, 432 39, 683 7, 291 32, 392 14, 749	22, 694 54, 671 40, 980 7, 271 33, 709 13, 691	22 899 56, 333 41, 613 7, 325 34, 288 14, 720	23, 201 57, 573 43, 136 7, 492 35, 644 14, 437	23, 440 59, 372 44, 642 7, 761 36, 881 14, 730	23, 499 58, 760 44, 404 7, 935 36, 469 14, 356	23, 091 59, 397 44, 886 7, 854 37, 032 14, 511	23, 317 59, 952 44, 815 8, 094 36, 721 15, 137	23, 908 63, 920 48, 147 8, 784 39, 363 15, 773	24, 088 63, 927 48, 361 8, 806 39, 555 15, 566	
Agricultural loans and discounts outstanding of agencies supervised by the Farm Credit Adm.: Total, end of period	31, 741 16, 564	36, 740 19, 127	36, 387 18, 918	36, 740 19, 127	37, 507 19, 298	38, 199 19, 530	39, 141 19, 944	39, 581	40, 035	40, 322	40, 644	40, 889	41, 112	41, 442	41, 600 21, 923 5, 696	
Loans to cooperativesdo. Other loans and discountsdo Bank debits to demand deposit accounts, except interbank and U.S. Government accounts, annual rates, seasonally adjusted:	3,979 11,198	4,931 12,682	4,997 12,472		5,596 12,612	5, 924 12, 745	6, 140 13, 057	5, 924 13, 416	5, 654 13, 841	5, 232 14, 271		14, 673	4, 953 14, 635	5, 407 14, 321	13, 981	
Total (233 SM SA 's) O bil. \$ New York SM SA do Total 232 SM SA 's (except N.Y.) do 6 other leading SM SA 's \(\) do 226 other SM SA 's \(\) do			13, 495. 5 14, 553. 5 5, 693. 2	13, 835. 0 15, 076. 1 5, 917. 1	14, 411. 8 14, 876. 3 5, 864. 3	14, 898. 0 15, 247. 4 5, 887. 1	14, 612. 1 15, 809. 6 6, 155. 7 9, 653. 9	14, 988. 9 15, 596. 5 6, 055. 5	15, 739. 7 16, 284. 2 6, 420. 4 9, 863. 8	15,516.4 16,878.5 6, 213. 1 10,665.4						
Federal Reserve banks, condition, end of period: Assets, total Qmil. \$]	1		l	137,763	ŀ	134,425]	128,999		1
Reserve bank credit outstanding, total 9 . doTime loans	99, 149 211 87, 934 11, 599	107,718 25 97,021 11,598	101,380 40 91,660 11,598	107,718 25 97,021 11,598	103,644 47 94,134 11,658	105,622 24 95,837 11,651	106,609 271 95, 987 11, 636	111,163 379 99,967 11,636	108,982 400 97,394 11,629	114,757 260 102, 239 11, 620	110,203 788 98,711 11,595	109,302 1,265 98,436 11,595	115,972 1,069 104,715 11,595	106,794 923 94,597 11,595	r109,729 r 926 96,477 11,595	102, 81
Liabilities, total 9 do Deposits, total do Member-bank reserve balances do	34, 780 26, 052	133, 540 38, 016 25, 158	126,844 31, 332 23, 239	38, 016 25, 158	23, 411	127,056 36,313 22,916	129,044 35, 950 27, 814	135,084 40, 297 25, 773 83, 757	131,108 36,114 29,009	40,872 24,562	36,748 26,912	134,425 35,591 28,262	139,288 40,928 23,953		730, 042 726, 345	35, 38 26, 70
Federal Reserve notes in circulation	1 34, 989 1 34, 727	35, 136 34, 964 172 62 122	34, 797 34, 433 364 84 301	35, 136 34, 964 172 62 122	36, 290 35, 796 494 61 441	34,199 34,234 -35 79 -102	34, 135 33, 870 265 110 168	34, 613 34, 602 11 73 -48	85, 333 34, 732 34, 460 272 200 103	34,406 34,293 113 262 -94	35,391 35,043 348 336 72	35,186 34,987 199 1,071 -771	35,156 34,965 191 634 -331	35, 860 35, 521 339 1, 319 -866	91, 229 735, 782 735, 647 7 135 7 840 7 — 622	P36, 29 P 20 P 58
Large commercial banks reporting to Federal Reserve System, Wed. nearest end of yr. or mo.: Deposits: Demand, adjusted of	112, 124	112,773	110 999	110 779	109.046	107 755	107 553	109 800	100 343	110.328	110, 421	113, 266	109, 130	113.077	113,231	120, 47
Demand, total 9 do Individuals, partnerships, and corp do State and local governments do U.S. Government. do Domestic commercial banks. do	184, 174	181, 528 130, 575 6, 041 1, 620 27, 383	183,073 130,287 6,597 1,385 27,430	l .	172, 695 123, 671 6, 816 1, 467 25, 238	173, 182	170, 784 123, 138 5, 814 1, 045 26, 323	173, 317 125, 598 6, 205 4, 881	185, 989 132, 874 6, 678 1, 083 29, 090	176,016	179, 973	182, 949 130, 848 6, 320 1, 013	176, 535 125, 685 5, 748 5, 352	182,852	189, 514 135, 815 6, 235 2, 707 29, 389	200, 28
Time, total ♀ do Individuals, partnerships, and corp.: savings Savings do Other time do	227, 729 68, 445 115, 961	231, 416 89, 473 107, 545	86, 851	89, 473	230, 446 91, 515 105, 159	230, 598 92, 711 104, 540	234, 857 94, 998 106, 157	94, 700	235, 803 94, 412 107, 151	94, 088	94, 331	239, 513 93, 598 112, 131	93, 405	92,844	246, 729 92, 276 117, 672	92, 46
Loans (adjusted), total & do Commercial and industrial do For purchasing or carrying securities do To nonbank financial institutions do Real estate loans do Other loans do	285, 499 120, 661 8, 933 27, 180 59, 530 87, 404	291, 495 116, 480 12, 327 24, 540 63, 409 96, 816	290, 428 115, 507 12, 617 23, 863 63, 227	,	289, 825 114, 771 12, 213 23, 264 63, 945	1	291, 422 116, 791 11, 682 23, 560 64, 974 93, 940	292, 549 117, 447 11, 966 23, 017 65, 432 93, 538	298, 242 117, 982 12, 748 23, 208 66, 304 100, 307	119 430	119 308	305, 789 119, 292 12, 854 22, 507 69, 999 102, 341	1120 290	123,508 12,905	123, 573 13, 167 23, 285 73, 444	324, 55 125, 53 13, 63 23, 90 74, 60 111, 54
Investments, total do. U.S. Government securities, total do. Notes and bonds do.	100, 345 40, 178	111, 452 50, 076	108, 501 47, 615 36, 089	111,452 50,076	107, 418 47, 615 36, 494	109, 504 49, 649	109, 507 49, 489	111, 176 47, 696	111, 594 48, 273 39, 459	112, 249 48, 295	,	111, 345 46, 485	ł	110,989 44,816 37,212	112, 725	113, 93 46, 11 37, 24

U.S. Government securities, total. do. 40, 178 50,076 47,015 50,076 47,015 49,49 49,489 47,696 48,273 48,295 46,726 46,485 45,713 44,816 45,659 46,111 Notes and bonds. do. 26,464 36,825 36,698 36,825 36,494 39,429 39,730 40,099 39,459 39,153 38,701 38,458 38,073 37,212 37,468 37,247 Other securities. do. 60,167 61,376 60,886 61,376 59,803 59,855 60,018 63,480 63,321 63,321 63,394 64,860 65,588 66,173 67,066 67,823 r. Revised. Preliminary. Average for Dec. Insured unemployment (all programs) data include claims filed under extended duration provisions of regular State laws; amounts paid under these programs are excluded from State benefits paid data. \(\triangle \triangle ocess of collection; for loans, exclusive of loans to and Federal funds transactions with domestic commercial banks and after deduction of valuation reserves (individual loan items are shown gross; i.e., before deduction of valuation reserves). O'Total SMSA's include some cities and counties not designated as SMSA's. ¶ Includes Boston, Philadelphia, Chicago, Detroit, San Francisco-Oakland, and Los Angeles-Long Beach.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	6						197	7					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			FI	NANC	CE-C	ontin	ued		•							
BANKING—Continued				1							-					
Commercial bank credit (last Wed. of mo., except for June 30 and Dec. 31 call dates), seas adj.:† Total loans and investments	721. 1 496. 9 79. 4 144. 8	784. 4 538. 9 97. 3 148. 2	778. 8 533. 1 95. 4 150. 3	784. 4 538. 9 97. 3 148. 2	786. 6 540. 9 96. 9 148. 8	796. 4 545. 4 101. 5 149. 5	803. 0 551. 0 103. 6 148. 4	812. 4 557. 7 102. 8 151. 9	819. 4 562. 1 104. 6 152. 7	825. 5 567. 0 105. 3 153. 2	831. 8 574. 5 102. 9 154. 4	840.4 582.4 102.6 155.4	843. 1 587. 6 99. 5 156. 0	852. 6 597. 8 97. 2 157. 6	866. 1 611. 2 95. 0 159. 9	865. 4 612. 9 93. 5 159. 0
Money and interest rates: § Bank rates on short-term business loans: In 35 centers	1 8.65 1 8.37 1 8.91 1 8.54 1 9.01 1 8.75 1 8.86	7. 52 7. 12 7. 88 7. 48 7. 74 7. 54 7. 80	7. 62 7. 28 7. 51 7. 33													
Discount rate (N.Y.F.R. Bank), end of year or month percent	6.00	5. 25	5. 43	5, 25	5. 25	5. 25	5. 25	5.25	5, 25	5, 25	5. 25	5. 27	5.75	5.80	6.00	6.00
Federal intermediate credit bank loansdo	1 8. 14	17.35	7. 11	7. 10	7. 03	7.05	6. 97	6.85	6, 78	6.76	6, 75	6.78	6.89	6.95	7.08	-
Home mortgage rates (conventional 1st mortgages): New home purchase (U.S. avg.) percent Existing home purchase (U.S. avg.) do	1 8. 75 1 9. 01	1 8. 76 18. 92	8. 83 8. 91	8. 87 8. 90	8.82 8.84	8. 78 8. 80	8. 74 8. 76	8. 73 8. 74	8.74 8.75	8. 78 8. 78	8.79 8.83	8. 81 8. 86	8. 82 8. 86	8, 84 8, 88	8, 85 78, 89	8. 87 8. 93
Open market rates, New York City: Bankers' acceptances (prime, 90 days)do Commercial paper (prime, 4-6 months)do Finance co. paper placed directly, 3-6 mo.do Stock Exchange call loans, going ratedo	2 6. 29 2 6. 32 2 6. 15 2 8. 02	2 5. 19 2 5. 35 2 5. 22	4. 90 5. 05 4. 92 7. 50	4. 62 4. 70 4. 56	4. 81 4. 74 4. 64	4. 83 4. 82 4. 75	4.80 4.87 4.77	4. 78 4. 87 4. 81	5, 34 5, 35 5, 13	5. 39 5. 49 5. 38	5, 43 5, 41 5, 38	5. 88 5. 84 5. 71	6. 16 6. 17 6. 04	6, 57 6, 55 6, 41	6, 58 6, 59 6, 49	6. 60 6. 64 6. 52
Yield on U.S. Government securities (taxable): 3-month bills (rate on new issue)percent 3-5 year issuesdo	² 5.838 ² 7.55	2 4, 989 2 6, 94	4. 810 6. 35	4. 354 5. 96	4. 597 6. 49	4, 662 6, 69	4. 613 6. 73	4. 540 6. 58	4. 942 6. 76	5. 004 6. 58	5. 146 6. 67	5, 500 6, 90	5. 770 6. 92	6. 188 7. 23	6. 160 7. 28	6, 063 7, 40
CONSUMER CREDIT; (Short- and Intermediate-term)							i									
Installment credit extended and liquidated: Unadjusted:																
Extended, total \(\rightarrow \) mil. \(\rightarrow \) Automobile paper	164,169 51, 413 4, 323 5, 556	193,328 62, 988 4, 841 6, 736	16,813 5,004 387 567	19,588 5, 162 382 551	14,051 4, 297 272 410	14,571 4,949 322 461	18,899 6,711 453 652	18,733 6,304 493 690	19,275 6,473 445 704	20,765 7,197 496 821	18,801 6,286 484 740	21,314 7,035 540 856	19 298 6, 178 454 740	18,784 5,898 464 696	19, 721 5, 924 442 701	
Revolving: Bank credit carddo Bank check creditdo	20, 428 4, 024	25, 862 4, 783	2, 305 431	3, 050 505	2, 207 454	1,945 417	2, 267 467	2, 361 446	2, 485 472	2,666 506	2, 453 493	2, 934 555	2, 937 513	2, 818 475	2, 878 498	
Liquidated, total \$\times\$ do— Automobile paper do— Mobile home————————————————————————————————————	156,665 48,406 4,517 4,675	172,795 52,750 4,691 5,151	15,062 4,577 384 436	15,337 4,514 371 452	14, 813 4, 483 366 443	14,532 4,407 380 438	16,888 5,334 428 509	15,790 4,856 417 498	16,167 4,914 426 512	16,591 5, 225 410 529	15,828 4,811 398 509	16,927 5,312 440 553	16, 361 4, 998 386 536	16, 937 5, 260 415 525	16, 788 5, 013 372 526	
Revolving: Bank credit carddo Bank check creditdo	19, 208 4, 010	24, 012 4, 552	2, 167 401	2, 262 407	2, 273 429	2, 107 404	2,370 472	2, 167 426	2,412 418	2,390 424	2, 261 428	2, 461 441	2,513 418	2, 640 429	2, 612 447	
Seasonally adjusted: 6. Extended, total 9. do. Automobile paper. do. Mobile home. do. Home improvement do. Revolving: do.			5,312 403 622	5, 869 470 624	17,241 5,511 372 571	17,595 5,819 383 577	445 648	6, 106 479 668	6, 048 415 636	420 686	5, 966 455 671	479 733	6, 109 424 679	6, 083 457 718	6, 330 464 761	
Bank credit carddo Bank check creditdo			2, 260 430	2, 297 441	2, 182 465	2,408 465	2, 406 475	2, 576 475		2, 640 521	2, 566 499	2,711 510	2,847 485	2,973 487	492	
Liquidated, total Q			15,077 4,630 406 459	15,236 4,667 385 463	15,084 4,712 393 463	15,610 4,801 412 478	15,525 4,816 391 480	4, 901 414	4,801 421	16,388 5,100 386 505	16,167 4,897 397 506	16,553 5, 104 424 551	5,005 392		5, 089 390	
Revolving: Bank credit carddo Bank check creditdo			2, 148 403	2, 228 415	2, 176 421	2, 201 420	2, 142 422	2, 298 415	2,430 402	2, 403 431	2, 382 459	2,396 450				
Total installment credit outstanding, end of year or monthmil. \$	1		181,23		184,728	184,766	186,776	189,720	192,828	196,998	199,971	204,358	3 207,294	209, 141	212,074	
By credit type: Automobile	55, 879 14, 423	66, 116 14, 572 10, 990	65,469 14,561 10,891	66,116 14,572 10,990	65,930 14,479 10,956	66,473 14,421	67,850 14,447 11,122	69,298 14,521	70,857 14,540	72,829 14,627	74,304 14,713	76,027 14,812	77. 207 14. 880	14, 929	14, 999	
Revolving: Bank credit carddo Bank check creditdo All otherdo	9, 501 2, 810 72, 937	11,351 3,041 79,418	10,563 2,943 76,810	3,041	11,285 3,066 79,012	3,080	10,020 3, 075 79,263	3,094	3,148		3. 295	12,227 3.409 85,554	3,504	3,551	3,601	.
By holder: Commercial banksdo Finance companiesdo Credit unionsdo Retailersdo Othersdo	35, 994 25, 666 18, 002	89, 511 38, 639 30, 546 19, 052 7, 741	88,112 38,090 30,053 17,335 7,647	38,639 30,546 19,052		38,868 30,701 17,860	39,188 31,448 17,585	39,561 31,912 17,734	40,127 2 32,704 1 17,911	40, 712 33, 750 18, 032 8, 355	41, 398 34, 122 18, 137 8, 520	41, 987 35, 077 18, 475 8, 760	42, 333 7 35, 779 18, 729 0 8, 894	42,70- 35,993 18,96 8,973	43, 322 36, 488 1 19, 623 8 9, 166	2

Others do 6,626 7,741 7,647 7,741 7,74 7,741 7,75 r Revised. Preliminary. Average for year. Daily average. OAdjusted to exclude interbank loans. For bond yields, see p. S-21. Beginning Jan. 1959, monthly data have been revised to reflect new seasonal factors and adjustment to bench marks for the latest call date (Dec. 31, 1975). Revisions are available from the Federal Reserve Board. Washington, D.C. 20551. Data have been revised back to 1970, noninstallment credit

is no longer available on a monthly basis. "Personal loans" and "other consumer goods paper" have been combined to form an "all other" category. Earlier monthly data are available from the Federal Reserve Board, Washington, D.C. 20551. ¶ Beginning Jan. 1973, data have been revised; revisions for Jan. 1973-April 1975 will be shown later. Q Includes data for items not shown separately.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						197	77		-			
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			F	INAN	CE	Conti	nued									
FEDERAL GOVERNMENT FINANCE		1								-						
Budget receipts and outlays: mil. \$. Receipts (net) do Outlays (net) do Budget surplus or deficit (-) do	1326.105	1 299,197 1 365,648 1-66,451	25,694 33,079 -7,385	29,471 31,890 -2,419	29,954 32,617 -2,664	24,182 30,735 -6,554	24,817 34,292 -9,475	39,832 35,363 4,469	27,549 33,592 -6,043	43, 075 32, 881 10, 194	24, 952 33, 630 -8, 678	29, 676 34, 720 -5, 044	36, 642 35, 097 1, 545	24, 127 38, 790 -14,663		
Budget financing, total	145, 108 1 50, 853 1-5,745	1 66, 451 1 82, 913 1-16,462	7, 385 6, 738 647	2, 419 6, 306 -3,887	2, 664 3, 157 -493	6, 554 9, 118 -2, 564	9, 475 5, 351 4, 124	-4, 469 1, 206 -5, 675	$ \begin{array}{r} 6,043 \\ -2,871 \\ 8,914 \end{array} $	-10, 194 518 -10, 712	8, 678 -1, 803 10, 481	5, 044 7, 780 -2, 736	-1,545 $10,024$ $-11,569$	14, 663 1, 851 12, 812		
Fross amount of debt outstanding do Held by the public do do Held by the public do do do do do do do do do do do do do	1 544, 131 1 396, 906	1 631,385 1 479,819	656, 282 509, 451	664, 794 515, 757	664,852 518,914	674, 280 528, 033	680, 141 533, 383	681,905 534,590	682, 965 531, 719	685, 249 532, 237	684, 592 534, 039	695, 485 541, 819	709, 138 551, 843	707, 693 553, 694		
Budget receipts by source and outlays by agency: Receipts (net), totalmil. \$ Individual income taxes (net)do Corporation income taxes (net)do. Social insurance taxes and contributions (net)	1 122, 386 1 40, 621	1299,197 1130,795 1 41,409	25,694 12,530 699	29,471 12,662 7,633	29,954 18,085 1,694	24,182 8,370 948	24,817 5,777 8,719	39,832 18,476 7,974	27,549 9, 289 1, 096	43, 075 17, 949 14, 379	24, 952 12, 438 1, 538	29, 676 12, 725 809	36, 642 17, 327 8, 376	24, 127 13, 275 1, 445 6, 550		
Otherdo	1 31, 549	1 92, 714 1 34, 281	9, 432 3, 032	6, 207 2, 969	7,320 2,853	10, 764 4,099	7, 413 2, 908	10,703 2,678	2,961	7, 6 96 3, 052	7,961 3,016	12, 958 3, 185	7,828 3,112	2,857		
Outlays, total 9 do. Agriculture Department. do. Defense Department, militery do. Health, Education, and Welfare Department	1 85, 420	1365,648 1 12,796 1 88,036	33,079 1,875 7,820	31,890 1,165 8,305	32,617 1,372 8,004	30,735 1,286 7,907	34,292 1,705 8,146	35,363 1,825 7,745	33,592 1,102 7,954	32, 881 1, 316 8, 364	33, 630 965 8, 317	34, 720 1, 674 7, 851	35, 097 1, 471 8, 094	38, 790 1, 773 7, 992		
mil. \$_ Treasury Departmentdo National Aeronautics and Space Admdo Veterans Administrationdo	1 41, 177 1 3, 267	1 128,785 1 43,527 1 3,670 1 18,415	11, 983 3, 286 359 1, 723	11,968 6,256 345 1,459	11,918 4,666 275 1,640	12, 136 2, 889 321 1, 574	12, 458 2, 736 352 1, 611	12, 318 5, 012 322 1, 683	12, 311 3, 053 309 1, 649	12, 434 6, 031 314 1, 218	12, 387 4, 930 299 1, 334	12, 961 3, 113 355 1, 417	12, 944 2, 970 324 1, 329	12, 774 5, 385 310 1, 574		
Receipts and expenditures (national income and product accounts basis), qtrly. totals seas. adj. at annual rates:† Federal Government receipts, total†bil. \$	286. 9	332.3		344.5			364.9			3 71, 2			373. 2			
Personal tax and nontax receipts doCorporate profit tax accruais doIndirect business tax and nontax accruals. doContributions for social insurance do	24.0	147. 3 55. 9 23. 4 105. 7		157. 1 55. 1 23. 8 108. 4			170. 0 55. 4 24. 2 115. 4			168. 6 59. 9 24. 6 118. 1			168. 6 59. 5 25. 4 119. 7			P 25
Federal Government expenditures, totaltdo	357.1	386.3		400.4			403.7			411.5			432. 1			
Purchases of goods and services do National defense do	123. 3 83. 9	130. 1 86. 8		134, 2 88, 4			136. 3 89. 7			143. 6 93. 4			148. 1 95. 6		-	
Transfer paymentsdo. Grants-in-aid to State and local govtsdo. Net interest paiddo. Subsidies less current surplus of government enterprisesbil.\$.	149. 1 54. 6 23. 3	61.0		166. 3 65. 5 28. 5			170. 7 62. 0 28. 6 6. 1			169. 3 63. 6 29. 1 5. 9					1	- P 30
Less: Wage accruals less disbursements_do	. 0	.0		.0			.0			.0			.0		-	- P
Surplus or deficit (-)do	-70 . 2	-54.0	ļ	-55.9		. 	-38.8			-40.3		-	-58.9		-	
LIFE INSURANCE Institute of Life Insurance:									j					0.0 74		
Assets, total, all U.S. life insurance cos bil. \$ Government securities do Corporate securities do Mortgage loans, total do Nonfarm do	15. 18 133. 90 89. 17	20. 26 154. 93 91. 55	20. 66 152.11 90. 79	20.26	19. 75 157. 26 91. 62	20. 12 158. 38 91. 65	20.98	328. 79 21. 03 160. 29 92. 20 84. 38		334. 39 21. 25 164. 19 92. 85 84. 71	336. 65 21. 64 165. 78 93. 11 84. 87	21.98		22.79		
Real estate do Policy loans and premium notes do Cash do Other assets do	9. 62 24. 47 1. 92 15. 05	25.83 2.00	25. 70 1. 17	2, 00	25, 92 1, 51	26.05 1.37	26. 21 1. 56	10.80 26.36 1.48 16.63	10. 82 26. 50 1. 62 17. 12	10. 90 26. 66 1. 56 16. 98	10. 90 26. 78 1. 50 16. 95	26. 95 1. 60	10.93 27.09 1.60 17.57	27. 22		
Life Insurance Agency Management Association: Insurance written (new paid-for insurance): Value, estimated total	_ 2 96 , 34 9	102,791	18, 716 8, 779	22, 319 16, 855	15, 970	17, 114 7, 114	20, 858 8, 649	26, 722 19, 400 6, 786 536	20, 115	30,990 21,024 9,430 536	27. 191 17, 833 8, 624 734	20,418	19, 689 13, 020	20, 750 8, 088	21, 322 8, 549	
MONETARY STATISTICS					1											
Gold and silver: Gold: Monetary stock, U.S. (end of period)mil. \$- Net release from earmark \$ Exportsthous. \$- Importsdo	93 458,853	331 347, 516	8,395	52, 805	71 142, 509	65, 292	5, 898	-11 1,908	61 67, 104	27, 107	245, 864	96, 536	7, 456	263, 126	116	
Production:¶ South Africamil. \$. Canadado	960. 9 68. 7				73. 5 5. 8						81. 1 6. 0				80.5	2
Silver: Exports. thous. \$ Exports. do Price at New York dol. per fine oz Production: thous. fine oz	330, 556	325, 252 4. 353	31,533 4.369	38, 765 4. 348	36, 458 4. 409	23, 672 4. 535	41, 854 4. 842	31, 170 4, 777	25, 796 4, 692	30, 236 4. 443	17, 886 4, 498	31, 290 3 4. 444	31,776	26, 395	32, 698 4. 828	3

^{*} Revised. * Preliminary. 1 Data shown in 1975 and 1976 annual columns are for fiscal years ending June 30 of the respective years; they include revisions not distributed to months. 2 Includes \$1,694 mil. Vets group life ins. 2 Includes data for items not shown separately.

[†]Data have been revised back to 1946 (see table 3.2 in the Jan. 1976 and July 1977 SURVEYS for earlier data).

§Or increase in earmarked gold (—).

¶Valued at \$38 per fine ounce from Jan. 1972-Sept. 1973; at \$42.22 thereafter.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						197	17					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			F	INAN	CE-	Conti	nued	-								
MONETARY STATISTICS—Continued						1										
Currency in circulation (end of period)bil. \$	86.5	93. 7	93. 0	93.7	91.2	91.7	93. 4	94.0	95.6	96.7	97.0	97. 9	97.8	98. 9	101.9	
Money supply and related data (avg. of dally fig.): ⊕ Unadjusted for seasonal variation: Total money supply	289.5 71.0 218.5 436.1 3.7	304. 2 77. 8 226. 5 468. 0 4. 2	312. 3 80. 7 231. 6 480. 5 4. 2	321. 3 82. 0 239. 3 488. 2 4. 7	319. 7 80. 5 239. 2 494. 6 4. 2	309. 9 80. 8 229. 1 498. 6 4. 4	312. 4 81. 6 230. 9 504. 6 4. 5	322. 3 82. 8 239. 6 507. 7 5. 6	315. 5 83. 4 232. 1 511. 8 3. 8	321. 4 84. 2 237. 1 516. 1 5. 2	372, 2 85, 7 241, 4 519, 6 3, 9	325. 2 85. 8 239. 3 523. 7 3. 7	328. 2 86. 1 242. 1 526. 1 5. 4	332. 5 86. 9 245. 6 532. 2 4. 1	335. 3 88. 4 246. 9 536. 2 3. 8	344. 9 90. 0 254. 9 542. 7 5. 5
Adjusted for seasonal variation: Total money supply			310. 4 80. 2 230. 2 484. 2	312. 4 80. 5 231. 9 491. 1	313. 8 81. 1 232. 7 495. 6	314. 0 81. 8 232. 1 500. 0	315. 4 82. 2 233. 2 502. 8	320. 5 83. 1 237. 4 505. 7	320, 7 83, 6 237, 1 509, 2	321. 9 84. 0 238. 0 514. 8	326. 8 85. 1 241. 7 519. 5	328. 4 85. 5 242. 9 522. 5	330. 4 86. 4 244. 0 525. 8	333. 7 87. 1 246. 6 532. 2	333, 2 87, 8 245, 5 540, 3	335, 4 88, 4 247, 0 545, 8
Turnover of demand deposits except interbank and U.S. Govt., annual rates, seas. adjusted: Total (233 SMSA's)⊙_ratio of debits to deposits. New York SMSA	128. 3 335. 0	143. 9 391. 9	147.3 395.1	153. 5 419. 8	154.3 443.5	153.3 437.3	155. 2 436. 0	158. 2 465. 2	160. 2 474. 9	160, 6 452, 1						
Total 232 SMSA's (except N.Y.) do 6 other leading SMSA's do 226 other SMSA's do do	82, 9 119, 1 68, 8	90.7 129.4 75.7	92. 2 131. 7 78. 4	97. 0 136. 9 81. 7	94. 6 123. 9 79. 4	93. 8 129. 9 79. 9	97. 3 135. 2 82. 5	96. 8 134. 7 82. 1	97. 7 139. 8 81. 7	100.8 135.9 87.7				<i>-</i>	.]	
PROFITS AND DIVIDENDS (QTRLY.)																
Manufacturing corps. (Fed. Trade Comm.): Net profit after taxes, all industries mil. \$- Food and kindred products. do. Textile mill products. do. Paper and allied products. do. Chemicals and allied products. do.	49, 135 5, 154 409 1, 801 6, 703	64,519 5,826 809 2,270 7,610		15,575 1, 314 133 471 1, 630			15, 584 1, 164 168 482 1, 934			19,722 1,573 168 618 2,248			16, 753 1, 383 236 568 2, 004			
Petroleum and coal products	9, 307 968 663 2, 280 2, 523	11,725 1,447 913 2,085 3,196		2, 963 344 190 468 681			2,999 160 258 204 726			3, 057 542 364 520 1, 040			3, 092 577 181 -250 888			
Machinery (except electrical) do— Elec. machinery, equip., and supplies.—do—	6, 311 2, 564	7,889 4,073		2,041 1,200			1,937 1,055			2,401 1,434			2, 241 1, 332			
Transportation equipment (except motor vehicles, etc.) mil. \$. Motor vehicles and equipment. do. All other manufacturing industries do.	1, 039 1, 737 7, 481	1,687 5,099 9,890		401 1, 284 2, 455			446 1,655 2,396			583 2,003 3,171			518 939 • 3, 044			-
Dividends paid (cash), all industriesdo SECURITIES ISSUED	19,968	22,763		6, 582			6, 049			6, 537			6, 209		-	-
Securities and Exchange Commission: \$ Estimated gross proceeds, totalmil. \$. By type of security: Bonds and notes, corporatedo	² 56, 131 41, 664	57, 647 41, 070	4, 175 2, 614	6, 456 5, 290	3, 908 3, 002	3, 137 1, 833	6, 314 4, 644	3, 312 2, 721	4, 111 2, 604	5, 954 4, 064	4, 076 3, 158	3, 336 2, 615	4, 203 2, 972			i
Common stock do Preferred stock do	7, 413 3, 458	8, 305 2, 789	408 282	612 308	499 103	692 128	675 520	428 163	1, 036 212	703 332	368 327	379 178	279 347		-	
By type of issuer: Corporate, total \(\frac{1}{2} \) Manufacturing do Extractive (mining) do Public utility do	52, 539 18, 651 1, 628 15, 894	52, 161 15, 479 1, 771 14, 395	3, 304 510 104 1, 327	6, 210 2, 385 275 1, 156	3, 604 906 206 986	2, 653 743 172 435	5, 839 1, 125 154 1, 598	3, 312 1, 348 147 774	3, 852 652 133 1, 612	1, 182 399	3, 853 1, 309 289 568	3, 172 966 296 497	3, 598 551 156 1, 417			
Transportationdo Communicationdo Financial and real estatedo	2, 634 4, 464 6, 838	3, 596 3, 561 10, 229	112 190 754	462 196 1, 217	36 50 998	557 477	317 808 1,462	100 334 529	129 294 928	128 416 1, 144	231 277 1, 150	195 45 1,092	60 322 717			-
State and municipal issues (Bond Buyer): Long-term	29, 3 26 28, 97 3	33, 845 21, 905	3, 249 1, 510	2, 333 1, 126	3, 371 1, 363	3, 136 1, 324	4, 026 1, 506	3, 448 5, 000	4, 237 1, 334	5, 668 2, 294	3, 107 1, 417	3, 997 1, 398	3, 787 2, 223		7 3, 112 7 1, 339	
SECURITY MARKETS					1											
Stock Market Customer Financing																
Margin credit at brokers and banks, end of month, total mil. \$. At brokers do. At banks do. Free credit balances at brokers:	1 6, 500 1 5, 540 1 960	9, 011 8, 166 845	8,640 7,790 850	9,011 8,166 845	9, 301 8, 469 832	9, 523 8, 679 844	9, 701 8, 891 810	9, 885 9, 078 807		10, 255 9, 432 823	9, 667 82 3	10, 592 9, 763 829	9, 793 6 824	9,756 827		-
Margin accounts do Cash accounts do	1 475 1 1, 525	585 1,855	615 1,740	585 1,855	645 1,930	605 1,815	605 1,720			595 1,805	600 1,860	605 1,745		1,850		

¶At all commercial banks.

OTotal SMSA's include some cities and counties not designated as SMSA's.

d'Includes Boston, Philadelphia, Chicago, Detroit, San Francisco-Oakland, and Los Angeles-Long Beach.

§ Data revised back to 1973; no monthly revisions for 1973-75 are available.

§ Includes data not shown separately.

Corrected.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			F	INAN	CE—	Conti	nued									
SECURITY MARKETS—Continued Bonds																
Prices: Standard & Poor's Corporation: High grade corporate: Composited dol. per \$100 bond. Domestic municipal (15 bonds)do	56. 2 68. 9	58. 0 72. 5	59. 2 76. 4	61. 3 80. 0	60. 3 79. 9	59. 4 79. 3	59. 1 79. 3	59. 4 80. 8	59. 2 80. 5	60. 1 81. 6	60. 0 81. 9	60. 1 82. 4	60. 4 83. 3	59, 5 81, 2	59. 2 83. 2	58. 4 81. 7
U.S. Treasury bonds, taxable¶do	57. 44	58.96	60. 21	62.05	59.73	56. 23	55.83	56. 31	56.06	57.38	57.48	57. 30	57. 77	56. 68	56.24	55 . 6 2
Sales: Total, excl. U.S. Government bonds (SEC): All registered exchanges: mil. \$ Market value do)				
New York Stock Exchange: Market valuedo Face valuedo	9,070,20 10,302.08										 					
New York Stock Exchange, exclusive of some stopped sales, face value, totalmil. \$	5, 178. 34	5, 262. 11	387. 33	519. 59	495, 77	366. 81	412.69	347. 46	390.74	450, 47	365. 10	391. 43	335. 65	335, 80	353. 57	400. 87
Domestic corporate (Moody's)percent_By rating:	9. 57 8. 83	9. 01 8. 43	8.66	8.47	8.41	8, 48	8.51	8. 49	8. 47	8. 38 7. 95	8. 33	8.34	8.31	8.42	8. 48 8. 08	8.54
Aa do A do Baa do	9. 17 9. 65 10. 61	8. 75 9. 09 9. 75	8. 25 8. 46 8. 69 9. 23	7. 98 8. 24 8. 53 9. 12	7. 96 8. 16 8. 45 9. 08	8. 04 8. 26 8. 49 9. 12	8. 10 8. 28 8. 55 9. 12	8. 04 8. 28 8. 55 9. 07	8. 05 8. 28 8. 55 9. 01	8. 19 8. 46 8. 91	7. 94 8. 12 8. 40 8. 87	7. 98 8. 17 8. 40 8. 82	7. 92 8. 15 8. 37 8. 80	8. 04 8. 26 8. 48 8. 89	8. 34 8. 56 8. 95	8. 19 8. 40 8. 57 8. 99
By group: Industrials	9. 25 9. 88 9. 39	8. 84 9. 17 8. 85	8. 54 8. 77 8. 48	8. 33 8. 61 8. 39	8. 24 8. 59 8. 27	8. 33 8. 63 8. 26	8. 36 8. 66 8. 26	8. 32 8. 65 8. 17	8. 30 8. 64 8. 12	8. 23 8. 53 8. 06	8. 18 8. 48 8. 02	8. 21 8. 47 8. 05	8. 19 8. 43 8. 03	8. 27 8. 56 8. 07	8, 36 8, 61 8, 10	8, 42 8, 65 8, 10
Domestic municipal: Bond Buyer (20 bonds)dododododo		6. 56 6. 49	6. 03 6. 05	5. 83 5. 69	5. 9 3 5. 70	5. 92 5. 75	5.85 5.76	5. 68 5. 61	5. 72 5. 64	5. 56 5. 53	5. 62 5. 50	5. 54 5. 46	5. 51 5. 3 7	5, 55 5, 53	5. 47 5. 38	5. 66 5. 48
U.S. Treasury bonds, taxable ⊙do Stocks	6.98	6. 78	6.62	6. 39	6, 68	7. 15	7. 20	7. 14	7. 17	6. 99	6, 97	7.00	6. 94	7.08	7.14	7, 23
Dividend rates, prices, yeilds, and earnings, common stocks (Moody's): Dividends per share, annual rate, composite	(1)															
Industrials dollars. Public utilities do																
Industrials																
Price per share, end of mo., compositedoIndustrialsdoPublic utilitiesdoRailroadsdo	(1)															
Yields, composite percent Industrials do Public utilities do Railroads do N.Y. banks do Property and casualty insurance cos do	-															
	1															
Earnings per share (indust., qrtly, at ann. rate; pub. util. and RR.,for 12 mo. ending each qtr.): Industrials	(1)															
Dividend yields, preferred stocks, 10 high-grade (Standard & Poor's Corp.) percent		8,06	7.80	7. 70	7, 54	7, 55	7, 56	7, 60		7, 62	7. 51	7.55			7, 67	7.85
Prices: Dow-Jones averages (65 stocks) Industrial (30 stocks) Public utility (15 stocks)	247. 25 802. 49 79. 81	303. 91 974. 92 92. 28	303.03 944.58 99.59	317. 03 976. 86 105. 33	317. 79 970. 62 108. 88	308. 93 941. 77 107. 49	309. 63 946. 11 106. 48	308.71 929.10 107.71	312.74 926.31 110.49	311. 38 916. 56 113. 63	311. 20 908. 20 117. 11	296. 79 872. 26 113. 34	291. 30 853. 30 112. 37	283. 38 823. 96 111. 76	284.77 828.51 110.85	111.45
Transportation (20 stocks). Standard & Poor's Corporation: Combined index (500 Stocks). 1941–43=10. Industrial, total (400 Stocks) &do. Capital goods (111 Stocks)do.	86. 16 96. 56 94. 63	102. 01 114. 35 115. 52	112.96 111.33	104. 66 116. 33 114.30	103. 81 115. 17 113. 12	227. 29 100. 96 112. 14 110. 71	100.57 111.88 111.52	99. 05 109. 89 110. 76	98. 76 109. 10 109. 28	99. 29 109. 46 108. 17	100. 18 110. 12 107. 69	97. 75 107. 50 105. 52	96, 23 105, 94 102, 76	93.74 103.18 99.79	94. 28 103. 71 100. 76	93. 82 103. 13
Consumer goods (189 Stocks)do Utilities (40 Stocks)do Transportation (20 Stocks)*1970=10. Railroads (10 Stocks)*1941-43=10. Financial (40 Stocks)*1970=10. NewYork Citybanks (6Stocks). 1941-43=10.	41. 17 37. 48	92. 73 48. 16 45. 87 52. 14	90. 98 50. 55 13. 99 46. 93 11. 58 47. 73	92. 90 53. 01 14. 97 50. 48 12. 42 51. 25	54. 01 14. 85 50. 24 12. 30 53. 49	11.75 51.20	52.14 14.08 50.21 11.57 49.34	52. 57 14. 38 52. 83 11. 41 47. 94	53. 68 15. 00 54. 14 11. 59 47. 63	55, 29 14, 82 53, 06 11, 74 47, 61	56, 95 14, 68 53, 12 12, 11 50, 04	55. 42 13. 74 49. 19 11. 95 48. 39	54. 61 13. 45 48. 11 11. 61 45. 84	54. 26 12. 97 46. 23 11. 09 42. 36	11. 25 42. 57	54. 54 13. 34 46. 46 11. 15 41. 63
Banks outside N.Y.C. (10 Stocks) do. Property-Casualty Insurance (6 Stocks) do No longer available. 8 Revised yields by rati	88.72	-	113.66	119.40	115.06		107.00		117.06	121.39	121.13	114.79	111.00 m averas	106.53	109. 22	108.45

¹ No longer available. § Revised yields by rating for Jan. 1974-Nov. 1976 will be shown later.

3 Number of issues represents number currently used; the change in number does not

affect continuity of the series. sumed 3 percent 20-year bond. The bonds due or callable in 10 years or more. For bonds due or callable in 10 years or more.

New series.

less otherwise stated in footnotes below, data hrough 1974 and descriptive notes are as shown n the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<u> </u>	·	!	F	INAN	CE—	Conti	nued	!		!				!	!	
SECURITY MARKETS—Continued			<u> </u>													
Stocks—Continued																
ices—Continued New York Stock Exchange common stock indexes Composite 12/31/65=50 Industrial do Transportation do Utility do Finance do	45. 73 50. 52 31. 10 31. 50 47. 14	54. 46 60. 44 39. 57 36. 97 52. 94	54. 17 59. 45 39. 28 38. 85 53. 25	56. 34 61. 54 41. 77 40. 61 57, 45	56. 28 61. 26 41. 93 41. 13 57. 86	54. 93 59. 65 40. 59 40. 86 55. 65	54. 67 59. 56 40. 52 40. 18 54. 84	53. 92 58. 47 41. 51 40. 24 54. 30	53. 96 58. 13 43. 25 41. 14 54. 80	54. 30 58. 44 43. 29 41. 59 55. 29	54. 94 58. 90 43. 52 42. 44 57. 29	53. 51 57. 30 41. 04 41. 50 56. 52	52. 66 56. 41 39. 99 40. 93 55. 33	51. 37 54. 99 38. 33 40. 38 53. 24	51.87 55.62 39.30 40.33 54.04	51. 8 55. 8 39. 7 40. 3 53. 8
les: Total on all registered exchanges (SEC): Market valuemil. \$	157, 260	1 194,969	12, 983	18, 759	17, 436	15, 794	15,890	15, 645	15, 949	15, 619	16,635	15, 754	13, 673	13, 168	01.01	
Shares soldmillions On New York Stock Exchange: mil. \$ Market value	6, 221 133, 684 5, 051	1 7,036 1 164,545 1 5, 649	504 11,089 413	685 15, 692 541	647 14,526 509	575 13, 309 457	579 13, 223 453	554 12, 884 429	569 13, 370 454	617 13, 244 504	13, 779 483	617 13, 411 507	509 11,378 404	511 11, 343 423		
Exclusive of odd-lot and stopped stock sales (sales effected)millions	4, 693	5, 360	381	535	502	398	435	403	426	484	450	433	384	414	495	4
ares listed, N.Y. Stock Exchange, end of period: Market value, all listed shares bil. \$- Number of shares listedmillions.	685. 11 22, 478	858. 30 24, 500	810. 81 24, 354	·	822.53 24,532	802.50 24,612	1	800.08 24,787	<u> </u>	828. 46 25, 428	815.74 25,668	799. 18 25, 733		766. 20 25, 913	793. 99 26, 000	
	FO	REIG	N TR	ADE	OF T	THE	UNIT	ED S	TATE	S						
VALUE OF EXPORTS														,		
rports (mdse.), incl. reexports, totalomil. \$	1	1	1	ř	1	1	l .		1	ľ	l .			1	i	1
Excl. Dept. of Defense shipmentsdo Seasonally adjusteddo	107,130.4	114,602.5	9,593.6	10,397.1	9, 598. 9	9, 807. 8	10,071.6	9, 970. 2	10,394.6	10,112.3	10,149.8	9, 562. 7	10, 358. 1 10, 915, 9	9, 190. 0	9, 304. 1	
By geographic regions: Africa	4,948.9 28,223.2 2,339.5 32,731.8	5, 205. 9 29, 731. 2 2, 689. 9 35, 902. 9	2 3 5. 3	510. 3 2, 710. 2 267. 1 3, 564. 8	371. 2 2, 430. 5 195. 5 2, 922. 1	413. 0 2, 367. 5 238. 8 3, 140. 9	525. 9 2, 825. 0 245. 2 3, 507. 3	241. 2	222, 3	215.0	244.8	413. 4 2, 413. 1 249. 6 2, 434. 2	278.2	227.5		-
Northern North America	21,752.4 8,288.1	24, 113. 5 8, 367. 7	1		1,891.4 562.5 619.4	2, 012. 8 584. 8 650. 8	2,500.4 730.5 717.9	i .	2, 438. 5 674. 5 748. 4	2, 322. 8 708. 2 765. 3	1,817.8 794.8 817.6	1, 768. 3 737. 3 818. 9	809.2	2, 381. 3 767. 2 672. 1		-
By leading countries: Africa:				ł												
Egyptdo Republic of South Africado	682.7 1,302.4	810.0 1,347.8	55. 9 103. 5	64. 9 113. 5	60. 2 88. 7	76. 8 128. 9	121.3 91.5	104. 9 87. 9	102.3 95.4	73. 9 76. 3	101. 6 87. 8	65. 5 82. 8	78. 4 84. 0	43. 2 77. 3		-
Asia; Australia and Oceania:	1,289.7 372.0	2, 199. 2 1, 134. 7 394. 3 535. 6	195. 5 79. 7 25. 1 47. 8	224. 1 80. 3 28. 7 46. 9	161.1 57.1 23.5 44.2	199.5 39.9 14.1 40.5	202. 2 74. 3 31. 9 41. 8	201. 1 39. 4 35. 7 44. 5	180. 6 87. 1 48. 3 38. 8	181. 6 94. 3 21. 4 37. 4	202. 3 62. 7 38. 1 45. 1	210. 3 46. 3 16. 5 45. 2	14.8	196. 2 62. 3 21. 2 79. 7		-
Indonesia do Philippines do Japan do	810. 1 831. 5	1, 036. 0 818. 6 10, 143. 9	55.7 61.7 915.3	92. 9 54. 5 894. 8	57. 5 58. 2	58.7 78.3 914.3	72. 9 71. 0 976. 9	64. 9 61. 7 859. 7	56. 5 69. 8 901. 7	77. 4 83. 3 814. 0	65. 9 69. 2 871. 6	53. 3 88. 2 787. 4	51.8 88.8	67. 6 54. 8		-
Europe: France	3,031.0 17.3	3, 448. 9 64. 9	285. 0 6. 9	295. 0 3. 6	271.8 4.2	317. 7 4. 3	333. 3 4. 8	319.6	311.8	287.5	247. 2 4. 5	245. 6 1. 3	321.4	1		
Germany)	2, 866. 9 1,834.6	5,729.8 3,068.4 2,308.2 4,798.5	576. 1 269. 0 174. 2 381. 6	606. 2 277. 0 172. 4 454. 0	229.3 179.6 411.3	484.6 255.1 196.0 446.5	543. 2 307. 9 223. 6 485. 9	539. 8 289. 8 239. 8 460. 9	550. 1 254. 9 104. 9 456. 3	523. 8 227. 7 107. 5 568. 9	182. 5 91. 4 465. 7	428. 5 169. 9 48. 4 382. 4	88.8	175. 9 39. 2		-
North and South America: Canadado	21.743.9	24, 108. 9	2,070.0	2,053.7	1,891.2	2,012.7	2,500.1	2, 260. 3	2, 438. 1	2, 322. 5	1, 817. 6	1, 768. 1	2, 144. 8	2, 3 81. 0		ļ
Latin American Republics, total ♀ do Argentina do Brazil do Chile do Colombia do Mexico do Venezuela do	628.3 3,056.2 533.4 643.0 5,141.3	507. 7 702. 7	1, 267. 5 51. 7 211. 9 42. 6 56. 6 358. 1 265. 7	1, 543. 7 102. 5 221. 1 58. 7 85. 5 436. 6 278. 1	46. 5 177. 1 46. 1 43. 1 294. 1	38. 1 195. 1 30. 1 46. 8 312. 1	182. 4 48. 6 76. 4 408. 9	57. 2 233. 9 35. 8 61. 5 361. 3	52, 5 210, 9 46, 2 67, 7 373, 0	1, 340. 6 78. 9 174. 8 34. 3 63. 4 371. 8 272. 1	1, 486. 9 65. 2 225. 1 40. 0 60. 8 477. 6 288. 3	65. 6 218. 8 50. 7 64. 6 408. 6	59. 5 317. 8 45. 1 85. 2 418. 2	65. 9 132. 3 52. 6 72. 9 454. 8		-
xports of U.S. merchandise, total d	1	1	Ì		1				1	1				9, 119. 1 9, 116. 5 1, 705. 1		
By commodity groups and principal commodities:							1									
Food and live animals ? mil. \$	527. 7 11,641.7	798. 0 10, 910. 9	63. 5 852. 7	69. 0 770. 8	1	60. 7 741. 6	65. 4 801. 9	64. 9 780. 1	69. 2 755. 7	62. 6 718. 3	67. 0 725. 1	67. 5 684. 0	777.7	65. 1 556. 1		
Beverages and tobaccodo Crude materials, inedible, exc. fuels ?do Cotton, raw, excl. linters and wastedo Soybeans, exc. canned or prepareddo	9, 783. 6 991. 2	10,890.7 1,048.7	93.9	130. 4 386. 3	126. 2 369. 3	1, 188. 2 181. 5 433. 9	1, 241. 8 189. 3 455, 1	1, 308, 2 189, 4 518, 4	1, 310. 8 143. 0 528. 1	1, 051. 0 167. 5 294. 8	908. 7 98. 4 223. 3	686. 2 61, 6 133. 4	798. 9 67. 0 113. 6	1, 017. 0 45. 9 448. 1	1, 112. 1	

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FO	REIGI	N TRA	DE ()F T	HE U	NITE	D ST	ATES	S—Co	ntinı	ıed					
VALUE OF EXPORTS—Continued]													
Exports of U.S. merchandise—Continued By commodity groups and principal commodities—Continued Mineral fuels, lubricants, etc. \(\text{\$Q\$}\$\)	4, 469. 5 3, 343. 0 907. 9	4, 225. 8 2, 988. 2 997. 9	379, 1 270, 3 88, 8	361. 1 234. 0 110. 0	217. 3 122. 3 80. 7	267. 8 158. 3 97. 9	290. 4 180. 6 101. 0	397. 3 280. 9 97. 3	432.3 284.3 134.1	398. 1 295. 5 98. 3	397. 8 258. 8 108. 8	333. 6 206. 7 109. 2	401. 4 259. 7 134. 1	366. 2 259. 0 92. 3	362.1	
Animal and vegetable oils, fats, waxesdo	943. 8	978. 1	79.0	94.8	77.3	94.8	134. 5	106.1	127. 3	122.5	129. 3	106.6	108.3	99.8	114. 9	
Chemicalsdo	8, 691. 2	9, 958. 7	829.3	928. 9	809.3	910.0	943.1	903.3	918.8	918.9	r 957. 9	883. 2	1,062.4	740. 9	736. 3	
Manufactured goods ♀¶ do Textiles do Iron and steel do Nonferrous base metals do	10,919.2 1,624.5 2,457.0 1,090.0	11,206.1 1,970.0 1,906.2 1,088.4	904. 8 170. 5 147. 6 92. 0	996. 4 178. 9 167. 9 95. 7	871. 0 159. 5 130. 1 87. 3	926. 0 170. 7 140. 6 79. 9	1, 035. 7 185. 6 147. 1 95. 0	1, 003, 9 175, 7 157, 3 103, 8	1,002.1 164.3 139.1 100.4	981. 6 169. 6 139. 5 93. 4	890. 8 156. 9 132. 0 87. 0	862. 4 140. 0 133. 7 80. 2	1, 054. 3 194. 8 152. 7 97. 2	779. 0 120. 7 113. 1 61. 4	847.8	
Machinery and transport equipment, total mil. \$	45, 667. 6	49,501.2	4, 067. 7	4,822.0	3, 824. 5	3, 869. 2	4, 819. 7	4, 416. 1	4, 633. 6	4, 325. 9	3, 868. 6	3, 677. 2	4, 367. 4	4, 236. 6	4,145.7	
Machinery, total Q do Agricultural do Metalworking do Construction, excav. and mining do Electrical do Transport equipment, total do Motor vehicles and parts do	2,092.2 918.2 4,733.8 7,582.0 17,190.5	31, 289. 0 2, 107. 7 949. 2 4, 945. 1 9, 278. 5 18,210.4 10, 949. 1	2,530.4 150.2 78.8 374.8 733.2 1,537.3 997.6	2, 857. 5 162. 4 86. 7 441. 7 892. 5 1,964. 2 1,018. 1	2,520.3 152.2 62.2 359.9 759.0 1,304.2 868.7	2, 545. 5 165. 4 67. 8 362. 6 764. 7 1, 323. 7 884. 1	3,009.5 196.2 67.0 410.3 960.5 1,810.2 1,182.8	183. 2 66. 0 401. 3 879. 4 1, 627. 0	2,826.8 160.3 75.1 401.5 876.7 1,806.8 1,156.5	2, 753. 7 163. 4 59. 8 374. 2 851. 6 1, 572. 2 1, 037. 8	2, 627. 7 156. 9 55. 0 362. 2 844. 2 1, 204. 8 786. 7	125. 5 48. 2 305. 4 778. 4 1, 244. 7	2, 860. 0 147. 3 68. 9 404. 6 901. 7 1, 507. 5 1, 048. 9	2,442.6 125.7 42.3 298.0 819.5 1,794.0 1,119.5	878. 5 1,501.4	
Miscellaneous manufactured articlesdo	5, 672. 7	6, 574. 9	544.5	611.0	518.1	556.8	654.4	601.4	622. 3	648.1	607. 0	587. 3	666. 8	597. 1		
Commodities not classifieddo	3, 162. 0	2,749.4	191, 2	267.5	232, 9	215. 2	292, 5	267.3	265.8	305, 7	269.0	278. 2	242.5	230.0	270.1	
General imports, totaldododo	96, 116. 0	120,677.6	11,061.6 10.622.9	11,450.2 11,020.4	10,932.9 11.268.7	10,505.2 11,673.7	13,551.7 12.459.0	12,434.6 12,593.3	11,906.3 11,615.9	13, 569. 7 12, 932. 1	11,859.8 12.476.1	12, 661. 5 12, 232. 2	12,475.7 12,361.1	11,813.6 12,287.9	11,798.6 11,386.4	
By geographic regions:				1	ł	1		İ	1		1, 306. 1	ł		1,264.3		
Africa do Asia do Australia and Oceania do Europe do	8, 304. 6 27, 054. 6 1, 508. 2 21, 465. 9	12, 639. 3 39, 366. 1 1, 671. 1 23, 640. 2	1, 110. 3 3, 714. 5 153. 0 2, 166. 7	1, 333. 3 3, 578. 3 160. 7 2, 162. 3	105.3	1,903.2	4, 209. 8 122. 5	3, 871. 1 128. 3 2, 309. 5	4, 004. 3 136. 8 2, 356. 5	4, 625. 6 142. 6 2, 603. 8	4, 228. 9 148. 0 2, 376. 6	179. 5 2, 631. 8	4, 382. 4 149. 9 2, 389. 1	4,117.3 145.3 2,229.2		
Northern North America do Southern North America do South America do	21, 754. 7 8, 821. 6 7, 219. 3	26, 246. 9 9, 347. 5 7, 760. 5	2, 338, 4 836, 0 742, 4	2, 438. 7 912. 9 863. 6	1, 986. 7 925. 6 870. 5	2, 184. 6 958. 2 816. 7	2,732.5 1,273.2 934.6	2, 482, 3 1, 095, 0 825, 0	2, 504, 6 905, 7 720, 1	2,791.4 1,005.5 816.4	2, 233. 5 901. 3 664. 8	2, 146. 1 992. 4 734. 7	2, 487. 5 808. 8 790. 3	2,495.9 842.3 718.6		
By leading countries: Africa: Egyptdo Republic of South Africado	27.5 840.9	92. 5 924. 8	. 9 95. 0	1, 1 76, 0	1. 0 74. 6	. 8 76. 3	2. 1 90. 3	17. 1 104. 0	18.7 115.1	18. 6 93. 1	16. 2 101. 6	12. 9 100. 2	27. 9 117. 1	36. 9 111. 7		
Asia; Australia and Oceania: Australia, including New Guinea do India do Pakistan do Malaysia do Indonesia do Philippines do Japan do	548. 2 48. 8 766. 4 2, 220. 6 754. 2	1, 285. 7 708. 2 69. 8 939. 6 3, 004. 3 882. 9 15, 504. 2	117. 3 53. 3 5. 7 105. 7 296. 6 92. 1 1, 426. 9	127. 0 48. 8 5. 3 83. 1 250. 2 100. 5 1, 412. 8	76. 2 47. 7 4. 4 101. 3 306. 4 71. 5 1, 411. 6	99. 4 55. 8 5. 9 90. 0 273. 1 79. 2 1, 197. 7	96. 4 61. 3 5. 1 107. 7 334. 5 82. 3 1, 541. 6	83.8 65.4 5.2 82.4 366.7 93.2 1,411.9	97.8 72.2 4.6 113.8 240.3 75.6 1,545.4	104.8 75.0 5.1 117.0 319.8 110.8 1,619.8	95. 1 63. 1 7. 4 109. 9 340. 4 89. 5 1, 520. 7	127. 1 64. 3 4. 2 143. 6 272. 4 99. 0 1, 763. 3	117. 2 67. 2 3. 7 113. 1 296. 7 120. 2 1, 624. 2	124. 7 63. 8 3. 1 102. 5 207. 5 71. 4 1,620.4		
Europe: Francedo German Democratic Republic (formerly E.	2, 136. 9	2,509.3	294, 8	230. 3	233. 0	191.7	242.1	217.9	253. 4	268. 5	270. 6	298. 4	250. 3	281.3		
Germany) mil. \$_ Federal Republic of Germany (formerly W.	11.2	13.6	1, 5	.9	1.1	1.3	1.8	.7	1.8	1.4	.8	1.3 648.7	2. 2 627. 0	605, 6		
Germanyiil. \$ Italy	2, 397. 1 254. 4	5, 591. 2 2, 529. 7 220. 2 4, 253. 7	541. 7 214. 4 20. 4 356. 5	538. 1 238. 1 16. 6 383. 2	523.1 207.9 12.8 341.8	444. 2 209. 5 15. 8 310. 0	577. 0 310. 7 30. 8 492. 2	572. 6 265. 0 23. 0 434. 9	589. 5 240. 1 22. 0 422, 3	661. 7 276. 9 21. 0 507. 0	625. 5 248. 1 24. 8 416. 2	311. 3 26. 0 498. 1	252. 9 10. 9 459. 1	221. 0 16. 0 380. 3		
North and South America: Canadado	1 '	26, 237. 6	2, 337, 4	2, 436. 9	1, 985. 4	2, 183. 4	2, 721. 4	2, 480. 7	2, 504. 5	2, 789. 0	2, 231. 7	2, 142. 8	2, 485. 7	2,494.8		
Latin American Republics, total ? do Argentina do Brazil do Chile do Colombia do Mexico do Venezuela do By commodity groups and principal commodition	214. 6 1, 464. 3 137. 7 590. 2	13, 226. 6 307. 9 1, 736. 6 221. 6 654. 8 3, 598. 1 3, 574. 4	1, 264. 7 29. 5 210. 5 16. 6 62. 9 356. 5 304. 5	1, 397. 7 30. 5 209. 6 22. 6 69. 9 361. 1 396. 3	1, 380. 4 30. 6 238. 9 22. 4 83. 2 325. 3 386. 9	1, 369. 5 27. 7 211. 1 13. 0 99. 5 369. 1 349. 7	1, 608. 5 26. 6 182. 8 18. 8 97. 3 431. 5 478. 0	1, 554, 1 26, 4 242, 3 26, 8 53, 3 462, 2 354, 2	1,308.7 28.4 181.2 34.2 66.0 386.4 255.9	1, 424. 7 28. 5 193. 5 17. 6 62. 4 417. 4 348. 4	1, 197. 2 33. 5 168. 0 24. 2 41. 2 344. 5 296. 6	1, 304. 1 37. 3 182. 2 18. 5 35. 7 369. 5 343. 9	1, 268. 9 26. 3 141. 2 18. 5 51. 1 322. 5 411. 3	1,210.8 35.0 155.2 19.1 77.4 377.6 311.1		
ties: Agricultural products, totalmil. \$_ Nonagricultural products, totaldo	9, 489. 8 86, 650. 5	11, 178. 7 109,498.7	990. 0 10,071.7	1, 106. 0 10.344.2	1, 124. 6 9, 808. 3	1, 142. 5 9, 362. 6	1, 343. 1 12, 208. 6	1, 404, 3 11,030.3	1, 279, 9 10,626.4	1, 251. 7 12, 318. 0	1, 010. 5 10,849.3	1,019.9 11,641.6	1,013.3 11,462.4	835. 6 10,978.1		
Food and live animals γ do Cocoa or cacao beans do Coffee do Meats and preparations do Sugar do	8, 503. 3 321. 1 1, 560. 9 1, 141. 2	10, 267. 4 357. 9 2, 632. 3 1, 447. 0	924. 3 23. 8 294. 9 110. 1 55. 5	1		1, 042. 3 46. 9 385. 0 109. 5 86. 5	1	1, 325, 0 41, 6 519, 0 114, 5 87, 9	i i	1, 139, 2 43, 6 360, 5 102, 7 78, 8	938. 9 38. 7 244. 7 106. 4 86. 2	934. 6 37. 9 215. 1 112. 9 89. 6	895. 9 25. 3 177. 5 111. 4 108. 4	784. 4 36. 1 152. 7 82. 8 89. 4		
Beverages and tobaccodo		1, 154. 0 1, 623. 7	137.9	155.4	128. 1	117.8	156. 4	119.5	142.7	152.3	112.5	162. 5	187. 0	139.7	102.0	
Crude materials, inedible, exc. fuels 9 do Metal ores	5, 566. 2 1, 976. 7	7, 013. 8 2, 250. 8 1, 275. 5 249. 3 520. 0	578.3 171.3 102.0 18.9 41.6	668. 1 225. 6 102. 4 23. 8 54. 9	545. 0 139. 0 91. 9 19. 3 56. 2	547. 0 126. 4 111. 6 16. 5 45. 3	639.1 116.1 117.5 21.6 67.2	626, 0 150, 9 102, 5 18, 2 58, 5	681. 5 207. 9 100. 6 27. 3 41. 2	775. 9 246. 1 127. 2 24. 4 58. 2	677. 2 206. 5 94. 8 20. 2 60. 3	734. 0 238. 9 113. 6 23. 5 40. 5	708. 0 197. 8 91. 4 15. 7 62. 3	640. 1 181. 8 90. 3 12. 6 59. 6	665. 3	
Minerals fuels, lubricants, etcdo Petroleum and productsdo		33,995.9	3,069.9 2,854.8	3, 332. 8 3, 115. 2	3, 512. 6 3, 296. 8	3, 232. 9 3, 032. 3	4,679.7 4,437.5	4,065.0	3, 208, 9 2, 992, 1	4,008.9 3,779.3	3, 531. 4 3, 331. 2	3, 761. 9 3, 556. 4	3, 809. 6 3, 538. 6	3, 396. 5 3,172.3	3,571.2	
Animal and vegetable oils and fatsdoChemicalsdd	553.9	31, 794. 5 463. 9 4, 771. 8	62. 2 473. 9	50. 0 453. 6	53. 2 402. 1	52.9 407.1	45.0 517.1	36. 6 475. 4	42.1 481.0	69. 7 505. 5	42.0 414.3	53. 3 502. 7	41.7 474.8	29. 2 406. 8		
Manufactured goods Q ¶	14,702.5	17,615.5	1, 606. 8 455. 8 166. 8 258. 7 145. 3	1, 629. 0 437. 8 157. 2 324. 3 143. 4	1, 498. 0 374. 9 134. 0 272. 4	1, 397. 0 318. 5 144. 7 250. 4	1, 773. 9 366. 6 171. 0 349. 8 150. 7	1, 673. 9 355. 0 142. 8 358. 3	Ì	1, 999, 9 568, 9 174, 0 365, 1 156, 3	1, 761. 9 488. 2 139. 4 334. 7 141. 2	1, 954. 8	1, 932. 5 593. 5 149. 1 307. 9	511.9 156.9 300.2	1,768.9	

 $^{^{}r}$ Revised. $\,$ $\,$ Includes data not shown separately. $\,$ $\,$ $\,$ Manufactured goods—classified chiefly by material.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
FO	REIGI	TRA	DE C)F TI	HE U	NITE	D ST	ATES	5—Co	ntinu	ed					
VALUE OF IMPORTS—Continued																
General imports—Continued By commodity groups and principal commodities—Continued Machinery and transport equipmentmil. \$ Machinery, total \$\varphi\$	361.5	29, 823. 9 15, 183. 7 361. 8 7, 424. 2	2, 723. 7 1, 429. 3 29. 6 746. 8	2, 795. 4 1, 452. 5 33. 5 676. 3	2, 569. 3 1, 311. 6 34. 4 609. 1	2, 504. 5 1, 229. 7 30. 5 563. 7	3, 151. 4 1, 527. 3 35. 8 712. 5	2, 864. 5 1, 363. 8 32. 2 624. 5	2, 951. 0 1, 477. 8 40. 7 687. 8	3, 294, 6 1, 623, 5 37, 1 781, 7	2, 881. 7 1, 490. 3 32. 6 733. 8	2, 852. 6 1, 534. 7 39. 8 741. 4	2, 874. 9 1, 531. 2 39. 7 766. 6		3,044.7	
Transport equipmentdo Automobiles and partsdo	11,737.2	14, 640. 2	1,294.3 1,173.8	1, 343. 0	1, 257. 7	1, 274. 8	1,624.1	1, 500. 7	1, 473. 2		1, 391. 4	1, 317. 9	1, 343. 7	1, 563. 5 1, 387. 9		- -
Miscellaneous manufactured articlesdo	9,224.4	12, 563. 9	1, 231. 3	1, 114. 2	1,045.9	1,002.2	1,169.6	1,047.3	1, 125. 2	1, 328. 5	1, 294. 9	1, 471. 8	1, 332, 7	1, 354. 5	1, 240. 8	
Commodities not classifieddo	2,517.6	2, 537. 7	≠ 253. 5	220. 1	170.6	201. 5	205.3	201.4	235.6	295. 2	204.9	233. 2	218.7	227.8	233. 4	
Indexes																
Exports (U.S. mdse., excl. military grant-aid): Unit value 1967 = 100. Quantity do Value do. General imports: Unit value do.	195. 1 176. 7 344. 9 241. 2	202. 1 182. 7 369. 1 248. 8	207. 3 180. 0 373. 1 253. 7	209. 1 198. 6 415. 3	209. 0 165. 2 345. 3 259. 2	208. 1 174. 4 363. 0 260. 3	211. 3 201. 1 424. 8 267. 3	212. 2 190. 9 405. 0 265. 5	213. 4 195. 7 417. 8	212. 6 184. 9 393. 0 268. 7	211. 3 173. 2 365. 9 270. 4	211. 0 161. 5 340. 9 273. 3	212, 2 187, 2 397, 2 273, 4	210. 6 169. 5 357. 0 272. 6	213. 0 174. 2 371. 0 275. 5	
Quantity do Value do Shipping Weight and Value	149, 4 360, 5	182. 1 452. 9	196. 3 498. 0	201. 8 515. 4	189. 7 491. 7	181. 5 472. 4	228. 0 609. 5	210. 4 558. 6	196. 7 536. 1	227. 3 610. 9	197. 0 532. 7	207. 6 567. 4	204. 7 559. 5	194. 7 530. 8	192. 5 530. 3	
Waterborne trade:																
Exports (incl. reexports): Shipping weight thous. sh. tons Value mil. \$ General imports:	269, 182 61, 408	283, 070 64, 712	25, 608 5, 605	24, 036 6, 023	18, 358 4, 982	20, 251 5, 342	21, 946 5, 951	24, 776 5, 976	24, 928 6, 055	24, 062 5, 617	24, 085 5, 490	21, 624 4, 880				
Shipping weight thous. sh. tons. Value mil. \$	63, 469	517, 450 81, 171	46, 144 7, 409	49, 169 7, 770	48, 422 7, 813	42, 517 7, 128	58, 314 9, 447	50, 723 8, 600	45,746 8,175	56, 066 9, 495	49, 434 8, 488	54, 324 9, 281				
	TI	RANSI	PORT	ATIO	N AN	D CO	MMU	UNIC.	ATIO	N						
TRANSPORTATION Air Carriers (Scheduled Service) Certificated route carriers: Passenger-miles (revenue)bil. Passenger-load factor \$percent. Ton-miles (revenue), totalmil.	162. 81 53. 7	178. 99 55. 4	12.99 51.9	15. 19 54. 6	15. 09 53. 8	12. 94 51. 0	15. 46 54. 7	15. 39 55. 6	15. 34 54. 0	17. 02 57. 6	18.85 60.1	19. 49 61. 8	54.1	p 16. 16	p 53.9	
Operating revenues (quarterly) ♀ ○ mil. \$ Passenger revenues do	22, 186 15, 356 12, 354 1, 310 311 15, 228	24, 121 p17, 506 p14, 267 p1, 497 p328 p16, 783	1,832	2,066 P4,428 P3,542 P405 P104 P4,304			2,098 4,437 3,638 375 79 4,446	2,057		2, 240 p 4, 896 p 4, 026 p 407 p 80 p 4, 651						
Net income after taxes (quarterly)⊙do Domestic operations: Passenger-miles (revenue)bil Cargo ton-milesmil Mail ton-milesdo	131.73 2,747 583	145. 27 2, 909 719	10.74 238 64	12. 56 245 84	12. 23 211 57	10.72 213 56	12.83 265 66	12.59 250 63	12. 31 259 58	13. 69 272 61	15.00 263 57	15. 62 278 60	12. 3 4 269 60	p 13.02 p 292	» 12. 24	av12.
Operating revenues (quarterly)⊙mil. \$. Operating expenses (quarterly)⊙do Net income after taxes (quarterly)⊙do	12,020 11,902 -46	№13, 901 №13, 326 №331		P3, 568 P3, 455 P51			3,590 3,580 25			p 3, 885 p 3, 695 p 159				-		
International operations: Passenger-mile (revenue) bil Cargo ton-miles mil Mail ton-miles do	31.08 2,048 426	33. 72 2, 187 407	2, 25 194 36	2. 63 172 47	2.87 146 30	222 153 30	263 185 35	280 171 34	303 173 35	332 172 35	384 186 34	386 194 34	327 206 31	₽ 254	p 260 p 252 p 35	
Operating revenues (quarterly)⊙ mil. \$. Operating expenses (quarterly)⊙ do Net income after taxes (quarterly)⊙ do	3, 336 3, 326 -25	₽3, 605 ₽3, 457 ₽120		₽861 ₽849 ₽11			847 865 —11			p 1, 011 p 956 p 56						
Urban Transit Systems Passengers carried (revenue)mil Motor Carriers	5, 643	5, 690	r 463	492	474	465	577	463	467	471	426	442	463	489	479	
Darriers of property, large, class I, qtrly.:* Number of reporting carriers Operating revenues, total Net income, after extraordinary and prior period charges and credits mil. \$. mil. \$.	99 9, 703 239	99 2 11,362 341		99 3,040 90			100 3,0 3 0 54			100 3,395					-	
Tonnage hauled (revenue), common and contract carrier servicemil. tons Preight carried—volume indexes, class I and II	177	199		53			. 51			57				-	-	-
intercity truck tonnage (ATA): Common and contract carriers of property (qtrly.)c?average same period, 1967=100. Common carriers of general freight, seas. adj.† 1967=100.	121 131.7	137 152. 3	154.0	127 154. 8	159. 5	165. 6	147 165. 5		166. 6	165. 8	168. 1	167. 5	165. 6	166. 8	163. 6	
Class I Railroads△ Financial operations, qtrly, (AAR), excl. Amtrak: Operating revenues, total⊕♀mil. \$. Freightdo. Passenger, excl. Amtrakdo	16, 357 15, 346 297	18, 560 17, 422 330		4,742 4,448 83			4, 738 4, 459 81			5, 269 4, 972 84						
Operating expenses do Tax accruals and rents do Net railway operating income do Net income (after taxes) do	13, 207 2, 799 351	14, 948 3, 182 430		3,864 776 102		-	3, 902 825 11 1 29			4, 148 893 228		-				

Net railway operating income do 351 | 430 | 102 | 113 | 228 | 228 | 228 | 228 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328 | 328

△Effective 1976, defined as those with annual revenues of \$10 million or more; restated 1975 data reflect changes. ⊕Natl. Railroad Pass. Corp. (Amtrak) operations (not included in AAR data above), 1975 and 1976 (mil. \$): Oper. revenues, 235; 287; net loss, 353; 469 (ICC).
^a Domestic trunk operations only (domestic trunks average about 90% of total domestic operations). † Effective Mar. 1977 Survey, revised back to 1957 to new trading day and seas. adj. factors.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	' 6						19	77					
the 1975 edition of BUSINESS STATISTICS	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TR	ANSP	ORTA	TION	ANI	CO	MMU	NICA	TION	—Cor	ıtinu	ed					
TRANSPORTATION—Continued																
Class I Railroads△—Continued																
Ton-miles of freight (net), total, qtrlybil. Revenue ton-miles, qtrly. (AAR)do	778. 4 r 754. 3	822, 5 794, 9	4 202. 1	208.9 200.8			207. 7 195. 6			224. 9 216. 0			r 205. 3			198.
Revenue per ton-mile cents Price index for railroad freight 1969=100 Passengers (revenue) carried 1 mile mil.	2. 043 169. 4 9, 765	186. 6	191.1	191.6	198.0	198.0	198. 2	198.3	198. 2	198. 2	198. 4	198. 4	198.5	198. 5	198. 6	207.
Travel																
lotels and motor-hotels:	110	707	100	100	***	100	145	100	• • • •	1.17	155	100	100	1,,,	100	
Restaurant sales indexsame month 1967=100. Hotels: Average room saledollarsdollars	118 28. 76 60	127 31. 32 63	122 32, 54 63	128 31. 46 46	114 34. 45 57	33. 71 63	145 33. 92 67	128 34. 69 64	35. 72 70	147 34. 89 71	157 34.06 64	138 34.98 69	138 35. 20 67	155 36. 68 76	138 35. 70 67	
Rooms occupied	20. 98 64	22. 48 67	22.07 60	21.88	23. 15 61	23. 27 65	23. 66 71	24. 06 70	24. 29 72	25. 07 77	25. 81 78	26. 10 81	25. 07 71	25. 72 76	24. 96 66	
oreign travel: U.S. citizens: Arrivals©thous	1 8,050	7,700	535	468	588	511	618	645	643	710	919	1,002	719	760	575	
Departures Ododo	8, 177 6, 176	7,755 6,264	496 408	578 452	552 493	549 354	625 472	646 480	733 488	853 572	92 6 729	801 769	746 614	628 528	520 457	
Departures⊙	5, 326 2, 334	5, 382 2, 817	374 172	405 183	399 207	$\frac{304}{222}$	347 330	399 357	419 354	462 371	548 288	661 271	500 206	471 158	409 180	<u>î</u>
COMMUNICATION	60, 527	60, 521	2,608	1,849	1,698	1, 971	2, 417	3, 691	4,567	8, 252	12, 107	11,159	6, 355	5,086	2,634	2,0
elephone carriers:																
Operating revenues Q mil. \$ Station revenues Q do	32, 070 15, 256	36, 602 16, 621	3, 151 1, 474	3, 174 1, 438	3, 222 1, 488	3, 159 1, 488	3, 364 1, 520	3, 360 1, 531	3, 364 1, 545	3, 397 1, 548	3, 290 1, 547	3, 488 1, 557	3, 467 1, 586	3, 508 1, 608		
Tolls, messagedododododo	12,692 20,664	14, 618 23, 321	1, 242 2, 031	1, 259 2, 173	1,295 2,033	1, 216 1, 985	1,391 2,163	1, 288 2, 224	1, 351 2, 142	1, 368 2, 163	1, 323 1, 959	1,450 2,243	1, 376 2, 291	1,398 2,232		
Net operating income (after taxes) do Phones in service, end of period mil.	5, 792 132, 3	6, 679 138. 5	576 138. 1	497 138. 5	587 138. 9	578 139. 5	585 139. 9	399 140.3	607 140, 1	624 141. 0	827 141.5	631 142. 1	591 143. 0	637 143. 6		
elegraph carriers: Domestic:																
Operating revenues mil. \$ Operating expenses do Net operating revenues (before taxes) do	504. 8 403. 9	527. 7 423. 0	44. 1 34. 5	45. 1 36. 7 6. 0	43. 2 34. 4	43. 3 33. 7 7. 1	47. 9 37. 6	46. 0 34. 6	46. 6 35. 8	48. 4 37. 4	45. 2 36. 2	47. 4 38. 1	46.8 37.9	46.7 37.3		
Overseas, total: o Operating revenues (before taxes) do Operating revenues do Operating revenues	70. 7 315. 9	75. 4 349. 5	7.1	30.6	6. 2 31. 1	29. 8	7. 6 34. 8	9, 0 31, 7	8. 2 32, 9	8. 4 33. 1	6. 6 31. 8	6. 7 33. 8	6.3	6.8		
Operating expensesdo Net operating revenues (before taxes)do	223. 6 74. 6	256. 3 71. 9	21. 0 6. 8	23. 6 4. 7	21. 3 7. 6	21. 0 7. 1	22. 6 10. 3	23. 1 8. 3	22. 4 8. 9	20. 0 11. 5	22. 5 7. 7	22. 9 9. 3	22. 6 9. 7	22. 5 9. 8		
	<u> </u>	CHE	<u> </u>	i	1 :			<u> </u>				<u> </u>	1			1
- CHINATANA	1	I	I	LS AL	ND A		D FR		1	1	<u> </u>	1	T	1	1	<u> </u>
CHEMICALS Inorganic Chemicals										1						
Production:									ļ							
Aluminum sulfate, commercial (17° Al ₂ O ₃) † thous. sh. tons	1, 163	1, 230	104	101	78	82	93	104	97	98	98	112	r 94	100		
Chlorine gas (100% Cl ₂); do. Hydrochloric acid (100°/ HCl); do. Phosphorus, elemental; do.	9, 167 2, 009	10, 378 2, 496	880 204	889 207	792 179	794 183	883 203	901 214	866 204	917 232 38	820 220	112 877 243	7 572 216	904 226		
Socium carbonate (socia asn), synthetic (58%	450	437	34	41	33	33	39	38	41	1	34	32	34	39		· -
Na ₂ O)† thous, sh. tons_ Sodium hydroxide (100° NaOH)† do	2,802 9,635	2, 344 10, 516	189 893	165 884	131 791	138 797	159 896	168 882	160 886	148 895	154 848	161 860	147 859	152 886		
Sodium silicate, anhydrous‡ do Sodium sulfate, anhydrous‡ do Sodium trypolyphosphate (100% Na ₈ P ₂ O ₁₀)‡	724 1, 227	747 1, 232	64 114	65 c 101	63 - 103	58 107	65 101	61 117	66 118	63 104	65 90	79 95	61 94	63 95		
Titanium dioxide (composite and pure) †do	770 603	724 713	63 53	61 52	50 47	58 48	68 60	61 57	60 61	62 61	54 57	61 63	58 r 62	61 57		
Sulfur, native (Frasch) and recovered: Productionthous, lg. tons	110,180	19,402	728	768	740	711	774	784	801	826	826	787	r 768	770	776	
Stocks (producers') end of perioddo	5,126	5, 563	5, 598	5, 563	5, 631	5, 613	5, 616	5,607	5, 562	5, 578	5, 584	5, 552	7 5, 446	5, 401	5, 413	
Inorganic Fertilizer Materials Production:						[1	
Ammonia, synthetic anhydrous: thous. sh. tons	16, 419	16,716	1, 335	1,528	1, 104	1,149	1,543	1,617	1, 571	1, 491	1,510	1,552	1,499	r 1, 476	1,440	
Ammonium nitrate, original solution!do	7.088	7, 186	639 134	646 186	550 157	557 136	716 173	704 163	723	614	587 151	585 195	607 125	7 636 150	607	
Nitric acid (100% HNO ₃) t do Nitrogen solutions (100% N) t do	2, 106 7, 527 2, 068	7, 892 2, 068	678 183	691 177	567 156	579 183	710 244	708 253	722 298	649 189	640 212	670 222	660 229	680 r 209	661 223	
Mittie acid (100° HNO ₃)† do Nitrie acid (100° HNO ₃)† do Nitrogen solutions (100° N ₃)† do Phosphoric acid (100° P ₂ O ₃)† do Sulturic acid (100° H ₂ O ₃)† do Sulturic acid (100° H ₂ O ₃)† do Suprambarbato	7, 677 32, 360	7, 955 33, 501	724 2,905	736 3,030	631 2,631	654 2, 634	771 3, 062	745 3,007	760 3,079	714 2, 928	663 2, 684	702 2, 837	719 2,892	757	640 2,765	
(100% P ₂ O ₃):					4-4	400		F05	600	201	100		*00	604	500	
Production thous. sh. tons. Stocks, end of period do Potash, deliveries (K ₂ O) do	5, 573 569	5,824	520 458	514 469	474 396	493 388 431	571 261	595 244 947	600 343 528	581 428 394	526 432 427	564 407 756	590 471 497	604 552 363	630 408	
Exports, total \circ do. Nitrogenous materials do.	5,079 19,614 1,397	6,282 18,324 1,239	437 1,847 88	434 1,981 126	527 1,588 29	1,757 60	803 1,873 68	1,764 85	1,719 69	1,810	1, 909 105	2, 043 108		2, 101 124	1,984 174	
Phosphate materials do do do	13, 789 1, 419	1,239 1 12,351 1,670	1, 323 156	1,308 171	1,070 144	1, 259 147	1, 364 122	1, 480	1, 275 113	1, 309 131	1, 332 155	1, 467 173	1,666 214	1, 561 88	1,420 179	
Imports: Ammonium nitrate	245	312	23	28 72	24	29	37	76	46	15	16	19	13	19	21	
Ammonium sulfatedo Potassium chloridedo	219 6, 132	566 7,475	63 602	498	23 641	48 501	913	54 940	34 723	28 632	13 571	757	10 852	505 505	36 553	
Revised r Preliminary 1 Appeal total	139	103	1 5	4	l 3	16		22	l 23	13	11					

SURVEY OF CURRENT BUSINESS

Fotassium chloride

do. 6,132 7,475 602 498
Sodium nitrate. do. 139 7,475 602 498

r Revised. p Preliminary. Annual total; monthly revisions are not available.
For six months ending in month shown. For month shown. Restated 4th qtr. 1975.

ΔSee "Δ" note, p. S-24. Neverage daily rent per occupied room, not scheduled rates.
Includes data not shown separately.

Effective 1976, data are compiled by U.S. Dept. of Transportation from INS records and refer to air travel; travel by sea is omitted (for 1973-75, average annual arrivals and departures by sea are as follows—units and order as above: 814; 784; 159; 129).

[§] Effective Jan. 1976, data include visits to Voyageurs National Park (no count of visits for earlier periods is available); data for Mar.-July 1976 are restated to delete visits to Platt National Park which was reclassified as a national recreation area.

d'Includes data for Western Union Int. Cable & Wireless.

1 Monthly revisions back to 1971 are available upon request.

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nless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	1975	1976	19	76		_i				19	77					
the 1970 edition of BOSINESS STATESTICS	Anr	iual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	De
	CHEN	IICAL	S AN	D AL	LIED	PRO	DUC	TS—(Conti	nued						
CHEMICALS—Continued				<u></u>												
Industrial Gases‡																
Acetylene mil. cu. ft_Carbon dioxide, liquid, gas, and solid	6,704	7, 111	557	537	565	531	538	428	544	509	457	505	467	452		
thous. sh. tons. Hydrogen (high and low purity)mil. cu. ft.	1,850 73,552	1,967 81,641	164 6, 958	154 6, 876	141 6, 265	160 6, 348	184 7, 329	185 7, 031	186 7, 169	197 7, 404	204 7, 244	217 7, 374	199 6, 831	195 7, 308		
Nitrogen (high and low purity)do Oxygen (high and low purity)do	252,368 352,554	289,926 382,914	25,568 30,729	26,159 29,989	24, 744 29, 867	23,655 28,938	26, 349 34, 653	25,576 33, 401	27,119 34,943	29, 651 33, 028	27,342 31,401	28,876 32,287	29, 191 30, 446	31, 040 31, 643		
Organic Chemicals ♂ roduction:																
Acetylsalicylic acid (aspirin)	1 25. 4 1 79. 2 1 171. 2	1 28.3 1 77.1 1 215.6	2.5 11.9 12.2	2.7 11.4 14.7	2. 2 8. 9 10. 3	2. 3 19. 2 11. 9	2. 5 14. 3 12. 0	2. 5 11. 2 15. 8	3. 2 11. 2 10, 1	2. 7 15. 2 11. 5	2.1 11.2 14.2	2. 4 13. 1 11. 2	1.7 13.5 7.8	1. 2 11. 5 14. 4	1.8 13.0 14.4	
Ethyl acetate (85%) mil. lb. Formaldehyde (37% HCHO) do Glycerin, refined, all grades do	264.4	15,449.3 321.2	460.0 28.2	464. 5 25. 4	352.8 25.5	338. 1 22. 8	405. 5 25. 1	530. 6 20. 2	504. 5 19. 2	497. 0 24. 3	465. 2 20. 2	491. 6 27. 4	512. 6 26. 6	546. 7 25. 6	542. 6 24. 6	
Methanol, synthetic mil. gal. Phthalic anhydride mil. lb	1 779. 6 1 702. 2	1 940.1 1 902.4	78. 2 67. 0	82. 2 73. 1	81, 2 82, 0	71. 2 75. 5	94. 1 86. 3	92. 6 82. 5	68. 9 71. 1	84. 5 84. 8	97. 4 8 3 . 6	90. 5 72. 9	70.3 72.1	82.8 73.7	83. 3 68. 1	
ALCOHOL; thyl alcohol and spirits:		!						ı		}						
Production mil. tax gal. Used for denaturation do	526. 4 391. 2	499. 6 416. 0	42. 8 33. 6	47. 7 30. 5	36. 5 32. 8	37. 7 34. 8	42. 8 38. 8	39. 2 35. 5	43. 5 33. 5	43. 2 41. 4	40.3 27.2	40. 9 36. 7	41. 0 35. 0			
Taxable withdrawalsdo Stocks, end of perioddo enatured alcohol:	77. 8 106. 1	78. 4 85. 3	7. 1 77. 0	7. 1 85. 3	5.8 77.5	5. 1 79. 0	7.6 75.4	6.0 72.0	6. 5 77. 7	7. 4 73. 7	5. 7 79. 0	7. 5 81. 4	7.0 69.8			
Production mil. wine gal. Consumption (withdrawals) dodo	207. 3 207. 1	225. 1 225. 4	18.7 18.3	16.7 16.9	17. 6 18. 5	18.9 18.4	20.7 20.7	19, 1 19, 3	18.0 17.5	22. 4 22. 8	14.9 14.7	19.8 20.1	18. 7 18. 6			
Stocks, end of perioddodo	2.7	3. 2	3.4	3. 2	2.5	3.0	2.9	2.7	3.0	3. 5	2.8	2.7	2.7			
reduction:							1									
Phenolic resins mil, lb. Polyethylene and copolymers do	11,274.9	¹ 1,305.3 ¹ 8,774.7	128. 3 743. 7	120.6 773.3	125. 3 729. 6	129. 1 654. 4	143.0 851.3	142.1 833.7	138. 5 853. 1	141. 1 838. 3	125. 4 882. 7	138. 4 874. 7	146.3 841.5	151.1 891.0	144. 1 834. 1	
Polypropylene do Polystyrene and copolymers do Polyvinyl chloride and copolymers do P	13,877.3	12,551.0 14,742.9 14,544.8	196.6 390.3 403.2	168.5 389.9 355.2	237. 0 329. 9 337. 9	243. 6 358. 9 376. 2	229.9 472.9 443.0	236. 2 461. 9 451. 4	229. 1 449. 7 450. 0	227. 9 458. 7 462. 7	202.3 406.5 441.1	197. 8 423. 9 439. 2	218. 9 • 423. 1 417. 8	239. 1 441. 7 451. 9	224.3 468.9 417.4	
MISCELLANEOUS PRODUCTS	0,002.0	1,011.0	100.2	400.2		0,0,2	120.0		100.0	1027						
xplosives (industrial), shipments, quarterly mil. lb.	2, 325. 7	2,543.0		653. 6			623. 2			697, 1			707. 4		 	
aints, varnish, and lacquer, factory shipments: Total shipmentsmil. \$	1	4, 685. 9	342.9	280.0	285. 9	311.9	393. 1	377. 8	429.7	445, 5	393. 3	445. 1	r 410.7	366, 3		
Trade products	.] 2,079.0	2, 446. 4 2, 239. 6	165.7 177.2	122. 6 157. 5	127. 2 158. 7	141. 1 170. 8	200. 8 192. 3	197. 9 179. 9	231. 6 198. 2	237. 7 207. 9	216, 6 176, 7	239. 6 205. 4	r 207. 0 r 203. 7	171. 3 195. 0		
	<u>· · · · · · · · · · · · · · · · · · · </u>]	ELEC	TRIC	POW	ER A	ND (GAS	-				<u>, </u>	<u> </u>	<u>'</u>	<u> </u>
ELECTRIC POWER	1	1	ļ					-	}		1					
	°2.001.000)														
roduction (utility and industrial), total mil. kwhr. Electric utilities, total	₽1.916.000	2.036.487	168, 994	183, 080	196, 308	162, 840	168, 641	156, 885	168, 163	180, 236	197, 930	195,861				
roduction (utility and industrial), total mil. kwhr.	P1,916,000 1,616,000	2,036.487 1,752,807	168, 994	162, 868	196, 308 175, 574 20, 734	147, 545	168, 641 148, 832 19, 808	156, 885 138, 247 18, 637	149, 400	100, 009	101, 100					
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuelsdo By waterpowerdo Industrial establishments, total do By fuelsdo	p1,916,000 1,616,000 300,000 p 84, 969 81, 649	2,036.487 1,752,807 283,680	168, 994 149, 192 19, 802	20, 212	20,734	15, 298	19,808	18, 637	18, 697	17, 197	16, 791	179,289 16,572				
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do	P1,916,000 1,616,000 300,000 P 84, 969 81, 649 3, 320	2,036.487 1,752,807 283,680	168, 994 149, 192 19, 802	20, 212	20,734	15, 298	19,808	18, 637	18, 697	17, 197	16, 791	179,289 16,572				
Toduction (utility and industrial), total mil. kwhr.	P1,916,000 1,616,000 300,000 P 84,969 81,649 3,320 1,733,024) #2,036.487 1,752,807 283,680 	168, 994 149, 192 19, 802	161,850	170, 277	165, 226	19, 808 156, 887	150, 833	149, 400	160, 170	161, 136	179,289 16,572	172,074			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By waterpower do By fuels do By waterpower do By tuels fuels do By utilimate customers, total (Edison Electric Institute) mil. kwhr.	*1,916,000 1,616,000 300,000 * 84,969 81,649 3,320 1,733,024 418,069	1,752,807 283,680	168, 994 149, 192 19, 802	20, 212	20, 734	15, 298	148, 832	18, 637	18, 697	17, 197	16, 791	179,289 16,572				
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do	**1,916,000 1,616,000 300,000 **84,969 81,649 3,320 1,733,024 418,069 661,558 4,273	1,849,625 440,625 725,169 4,338	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365	161,850 36,916 61,956	170, 277 39, 133 60, 314 402	165, 226 37, 945 59, 493 451	148, 832 19, 808 156, 887 36, 222	150, 833 35, 341	149, 545 36, 227	160, 170 160, 170	16, 791 	179,289 16,572 	172, 074 43, 167			
roduction (utility and industrial), total	#1,916,000 1,616,000 300,000 # 84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149	1,849,625 440,625 725,169 4,338 613,072	168, 994 149, 192 19, 802 151, 824 35, 760 61, 511 365 48, 582 1, 314	161,850 36, 916 61,956 392 56,893 1,319	170, 277 39, 133 60, 314 402 64, 516 1, 376	165, 226 37, 945 59, 493 451 61, 705 1, 241	156, 887 36, 222 62, 043 335 52, 686 1, 185	150, 833 35, 341 62, 004 331 47, 736 1, 123	149, 545 149, 545 36, 227 63, 549 328 44, 005 1, 113	160, 170 160, 170 39, 511 65, 493 336 49, 481 1, 074	172, 569 43, 180 63, 584 331 59, 748 1, 141	179,289 16,572 176,889 44,345 64,971 332 61,541 1,123	172, 074 43, 167 65, 140 329 57, 687 1, 163			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By waterpower do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Large light and powers do Railways and railroads do Street and highway lighting do Other public authorities do Interdepartmental do	P1,916,000 1,615,000 300,000 81,499 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443	1,849,625 440,625 725,169 4,338 613,072	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582	161,850 36, 916 61, 956 392 56, 893	170, 277 39, 133 60, 314 402 64, 516	165, 226 37, 945 59, 493 451 61, 705	156, 887 36, 222 62, 043 52, 686	150, 833 35, 341 62, 004 331 47, 736	149, 545 149, 545 36, 227 63, 549 328 44, 005	160, 170 39, 511 65, 493 336 49, 481	16, 791 	179,289 16,572 176,889 44,345 64,971 332 61,541	172, 074 43, 167 65, 140 329 57, 687			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and power§ do Large light and power§ do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do evenue from sales to ultimate customers (Edison	P1,916,000 1,616,000 300,000 P84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443	1,849,625 440,625 725,169 4,384 613,072 14,413 45,625	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550	161,850 36,916 61,956 392 56,893 1,319 3,839 535	170, 277 39, 133 60, 314 402 64, 516 1, 378 554	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 576	148, 832 19, 808 156, 887 36, 222 62, 043 335 52, 686 1, 185 3, 837 580	150, 833 35, 341 62, 004 47, 736 1, 123 3, 710 588	149, 545 149, 545 36, 227 63, 549 44, 005 1, 113 3, 729 595	160, 170 160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 751	172, 569 43, 180 63, 584 59, 748 1, 141 4, 008 575	179,289 16,572 	172, 074 43, 167 65, 140 329 57, 687 1, 163 3, 977 611			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and power§ do Large light and power§ do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do evenue from sales to ultimate customers (Edison	P1,916,000 1,616,000 300,000 P84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443	2,036.487 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550	161,850 36,916 61,956 392 56,893 1,319 3,839 535	170, 277 39, 133 60, 314 402 64, 516 1, 378 554	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 576	148, 832 19, 808 156, 887 36, 222 62, 043 335 52, 686 1, 185 3, 837 580	150, 833 35, 341 62, 004 47, 736 1, 123 3, 710 588	149, 545 149, 545 36, 227 63, 549 44, 005 1, 113 3, 729 595	160, 170 160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 751	172, 569 43, 180 63, 584 59, 748 1, 141 4, 008 575	179,289 16,572 	172, 074 43, 167 65, 140 329 57, 687 1, 163 3, 977 611			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do By fuels do By waterpower do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do evenue from sales to ultimate customers (Edison Electric Institute) mil. \$. GAS Cotal utility gas, quarterly (American Gas Association):	P1,916,000 1,616,000 300,000 P84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443	2,036,48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 3, 742 550 4, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5, 005. 4	148, 832 19, 808 156, 887 36, 222 62, 043 335 52, 686 1, 185 3, 837 580 4, 846. 9	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 149, 545 36, 227 63, 549 328 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100. 6	172, 569 43, 180 63, 584 1, 141 4, 008 575 5, 775, 4	179,289 16,572 176,889 44,345 64,971 332 61,541 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 57, 687 1, 163 3, 977 611 5, 819, 1			
Electric utilities, total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do Industrial establishments, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do Evenue from sales to ultimate customers (Edison Electric Institute) mil. \$ GAS Otal utility gas, quarterly (American Gas Association): Customers, end of period, total thous	P1.916.000 1,616,000 300,000 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443 146,853.5	2,036,48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550 1, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9	170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 61, 705 1, 241 3, 815 5, 605. 4	148, 832 19, 808 156, 887 36, 222 62, 043 52, 686 1, 185 3, 837 580 4, 846. 9	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 36, 227 63, 549 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100, 6	172, 569 43, 180 63, 584 331 59, 748 1, 141 4, 008 575 5, 775, 4	179,289 16,572 176,889 44,345 64,971 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 329 57, 687 1, 163 3, 977 611 5, 819. 1			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels. do By fuels. do By fuels. do By waterpower. do Industrial establishments, total do By fuels. do By fuels. do By fuels. do By fuels. do By fuels. do By fuels. do By waterpower. do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Large light and powers do Large light and powers do Large light and powers do Large light and powers do Easilways and railroads do Residential or domestic do Interdepartmental do evenue from sales to ultimate customers (Edison Electric Institute) mil. \$ GAS Cotal utility gas, quarterly (American Gas Association): Customers, end of period, total thous Residential do Lommercial do Industrial do	P1,916,000 1,616,000 300,000 P84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443 146,853.5 44,839 41,210 3,393 182	2,036,48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9 45,128 41,519 3,377 2,179	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 8, 582 1, 314 7 3, 742 550 4, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9 45,128 41,519 3,377 179	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5, 76 5, 005. 4	148, 832 19, 808 156, 887 36, 222 62, 043 335 52, 686 1, 185 3, 837 580 4, 846. 9 45, 670 41, 950 3, 483 184	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 149, 545 36, 227 63, 549 328 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100. 6	172, 569 43, 180 63, 584 1, 141 4, 008 575 5, 775. 4	179,289 16,572 176,889 44,345 64,971 332 61,541 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 57, 687 1, 163 3, 977 611 5, 819, 1			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do Industrial establishments, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do Evenue from sales to ultimate customers (Edison Electric Institute) GAS Cotal utility gas, quarterly (American Gas Association): Customers, end of period, total thous Residential do Other do Commercial do Industrial do Other do Other do Industrial do Other do Oth	P1.916.000 1,616,000 300,000 P84,909 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443 146,853.5 44,839 44,839 44,839 3,303 182 54	2,036,48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9 45,128 41,519 3,377 2,179 2,53	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550 1, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9 45,128 41,519 3,377 179 53	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5, 005. 4	148, 832 19, 808 156, 887 36, 222 62, 043 52, 686 1, 185 3, 837 580 4, 846. 9 45, 670 41, 950 3, 483 184 54	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 36, 227 63, 549 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100, 6 45, 295 41, 685 3, 378 53	172, 569 43, 180 63, 584 1, 141 4, 008 575 5, 775. 4	179,289 16,572 176,889 44,345 64,971 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 57, 687 1, 163 3, 977 611 5, 819. 1			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do Industrial establishments, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do evenue from sales to ultimate customers (Edison Electric Institute) mil. \$ GAS Otal utility gas, quarterly (American Gas Association): Customers, end of period, total thous Residential do Industrial do Other do Sales to customers, total tril. Btu.	P1.916.000 1,616,000 300,000 P84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443 1 44,839 41,210 3,393 182 54 14,863	2,036.48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9 45,128 41,519 3,377 2,179 2,53 14,814 5,014	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550 4, 453. 3	161,850 36,916 61,956 56,893 1,319 3,839 535 4,734.9 45,128 41,519 3,377 179 53 3,890	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5, 005. 4	148, 832 19, 808 156, 887 36, 222 62, 043 335 52, 686 1, 185 3, 837 580 4, 846. 9 45, 670 41, 950 3, 483 184	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 36, 227 63, 549 328 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 5, 71 5, 100. 6 45, 295 41, 685 3, 378 1, 378	172, 569 43, 180 63, 584 331 59, 748 1, 141 4, 008 575 5, 775. 4	179,289 16,572 176,889 44,345 64,971 332 61,541 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 329 57, 687 1, 163 3, 977 611 5, 819. 1			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By fuels do By fuels do By fuels do By waterpower do les to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do Evenue from sales to ultimate customers (Edison Electric Institute) mil. \$ GAS Otal utility gas, quarterly (American Gas Association): Customers, end of period, total thous Residential do Commercial do Industrial do Other do Sales to customers, total tril. Btu Residential do Commercial do Co	P1,916,000 1,616,000 300,000 P84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443 146,853.5 44,839 41,210 3,393 182 54 14,863 4,991 2,387 6,837	2,036,48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9 45,128 41,519 3,377 2 170 2 53 14,814 5,014 2,423 27,107	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550 1, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9 45,128 41,519 3,377 179 53 3,890 1,438 683 1,692	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5, 005. 4	156, 887 36, 222 62, 043 52, 686 1, 185 3, 837 580 4, 846. 9 45, 670 41, 949 2, 348 1, 402 1, 412	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 36, 227 63, 549 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100. 6 45, 295 41, 685 3, 378 178 53 3, 067 851 1, 723	172, 569 43, 180 63, 584 59, 748 1, 141 4, 008 575 5, 775. 4	179,289 16,572 176,889 44,345 64,971 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 57, 687 1, 163 3, 977 611 5, 819. 1			
Electric utilities, total do By fuels. do By fuels. do By fuels. do By fuels. do By waterpower. do Industrial establishments, total do By fuels. do By waterpower. do Industrial establishments, total (Edison Electric Institute). mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do Electric Institute). mil. s GAS Total utility gas, quarterly (American Gas Association): Customers, end of period, total thous Residential do Commercial do Other do Commercial do Industrial do Commercial do Sales to customers, total tril. Btu. Residential do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Commercial do Industrial do Other do Commercial do Industrial do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial do Industrial do Other do Commercial	#1.916.000 1,616,000 300,000 #84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 43,625 5,443 1 46,853.5 44,839 44,103 1,333 182 54 14,863 14,863 14,961 2,387 6,837 6,837	2,2,036,48; 1,752,807 283,680 1,849,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9 45,128 41,519 3,377 2 170 2 53 14,814 5,014 2,423 27,107 2 70	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550 1, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9 45,128 41,519 3,377 179 53 3,890 1,488 1,683 1,692 75	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5,76 5,005. 4	156, 887 36, 222 62, 043 52, 686 1, 185 3, 837 580 4, 846. 9 45, 670 41, 950 3, 483 184 54 4, 949 2, 348 1, 002 1, 412	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685. 5	149, 545 36, 227 63, 549 328 44, 005 1, 113 3, 729 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100. 6 45, 295 41, 685 3, 378 178 53 3, 067 851 1, 723 51	172, 569 43, 180 63, 584 1, 141 4, 008 575 5, 775. 4	179,289 16,572 176,889 44,345 64,971 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 329 57, 687 1, 163 3, 977 611 5, 819. 1			
roduction (utility and industrial), total mil. kwhr. Electric utilities, total do By fuels do By waterpower do Industrial establishments, total do By fuels do By waterpower do By fuels do By waterpower do ales to ultimate customers, total (Edison Electric Institute) mil. kwhr. Commercial and industrial: Small light and powers do Large light and powers do Railways and railroads do Residential or domestic do Street and highway lighting do Other public authorities do Interdepartmental do Evenue from sales to ultimate customers (Edison Electric Institute) mil. \$ GAS Cotal utility gas, quarterly (American Gas Association): Customers, end of period, total thous Residential do Commercial do Industrial do Sales to customers, total tril. Btu Residential do Commercial do Industrial do	#1.916.000 1,616,000 300,000 #84,969 81,649 3,320 1,733,024 418,069 661,558 4,273 586,149 13,907 446,853.5 44,839 41,210 3,393 182 54 14,863 4,911 14,863 4,911 2,387 6,837 6,837 648	2,036,48; 1,752,807 283,680 1,849,625 440,625 725,169 4,338 613,072 14,413 45,625 6,383 53,462.9 45,128 41,519 3,377 2 170 2 53 14,814 5,014 2,423 27,107	168, 994 149, 192 19, 802 151,824 35, 760 61, 511 365 48, 582 1, 314 7 3, 742 550 1, 453. 3	161,850 36,916 61,956 392 56,893 1,319 3,839 535 4,734.9 45,128 41,519 3,377 179 53 3,890 1,438 683 1,692	170, 277 170, 277 39, 133 60, 314 402 64, 516 1, 376 3, 982 554 5, 107. 7	165, 226 37, 945 59, 493 451 61, 705 1, 241 3, 815 5, 005. 4	156, 887 36, 222 62, 043 52, 686 1, 185 3, 837 580 4, 846. 9 45, 670 41, 949 2, 348 1, 402 1, 412	150, 833 35, 341 62, 004 331 47, 736 1, 123 3, 710 588 4, 685, 5	149, 545 36, 227 63, 549 44, 005 1, 113 3, 729 595 4, 683. 4	160, 170 39, 511 65, 493 336 49, 481 1, 074 3, 705 571 5, 100. 6 45, 295 41, 685 3, 378 178 53 3, 067 851 1, 723	172, 569 43, 180 63, 584 331 59, 748 1, 141 4, 008 575 5, 775. 4	179,289 16,572 176,889 44,345 64,971 332 61,541 1,123 4,009 569 5,967.7	172, 074 43, 167 65, 140 57, 687 1, 163 3, 977 611 5, 819. 1			

r Revised. P Preliminary. 1 Reported annual total; revisions are not distributed to the monthly data. 2 Beginning 1976, Industrial includes electric generation, prior to 1976, electric generation was included with other. §Data are not wholly comparable on a year

to year basis because of changes from one classification to another. SData are reported on the basis of 100 percent content of the specified material unless otherwise indicated. Monthly revisions back to 1973 are available upon request. • Corrected.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						197	77					
the 1975 edition of BUSINESS STATISTICS	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	FO	OD A	ND K	INDE	ED F	PROD	UCTS	5; TO	BAC	co			<u> </u>		·—,·-,,·	
_ ALCOHOLIC BEVERAGES♀					 											
Beer: Production mil. bbl. Taxable withdrawals do. Stocks, end of period do. Distilled spirits (total):	160. 60 148. 64 12. 74	163, 66 150, 39 11, 94	11. 29 10. 52 13. 48	11. 19 10. 83 11. 94	11. 98 10. 01 14. 01	11.48 10.43 13.95	16. 20 14. 55 14. 59	16. 03 14. 28 15. 03	16.79 15.00 15.57	16, 90 15, 71 15, 37	15. 92 14. 80 15. 13	15. 31 14. 64 14. 44	13. 30 12. 89 13. 57	12. 61 11. 65 13. 53		
Production mil. tax gal Consumption, apparent, for beverage purposes mil. wine gal Taxable withdrawals mil. tax gal Stocks, end of period do Imports mil. proof gal	144. 24 1422. 61 229. 74 793. 87	7 425. 89 216. 34 752. 85	14. 91 41. 81 20. 67 756. 50	12.16 53.41 17.46 752.85	28. 97 16. 85 747. 64	12, 98 28, 16 15, 41 745, 49	36. 67 19. 51 743. 22	33. 29 17. 44 740. 35	15, 25 32, 76 16, 85 737, 50	38. 62 17. 79 737. 26	31. 11 14. 45 735. 02	33. 40 19. 79 728. 33	13. 82 19. 18 725. 51			
Production mil. tax gal Taxable withdrawals do Stocks, end of period do	59. 64 140. 82 737. 39 94. 98	79, 12 126, 62 692, 34 92, 07	13. 37 6. 16 12. 63 696. 27 10. 99	5.36 9.71 692.34 9.93	7. 08 5. 81 10. 12 687. 72 5. 59	7.03 6.71 9.11 685.03 5.62	9. 47 7. 85 11. 04 682. 68 7. 58	7. 78 10. 04 680. 51 6. 66	8. 78 8. 14 9. 18 678. 26 6. 97	9. 23 8. 08 9. 70 678. 68 7. 56	7.94 6.14 7.84 677.94 6.12	7. 21 6. 17 11. 40 672. 33 5. 82	11. 58 6. 16 11. 22 668. 17 9. 33	13. 27	11. 59 9. 70	
Importsmil. proof gal Rectified spirits and wines, production, total					,)					1
Whisky	112.50 46.64	107. 71 41. 84 20. 59	10.04 3.94 2,14	9.79 3.51	7. 92 2. 95	7. 23 2. 74 1. 92	10.34 3.83	8. 07 2. 80	8. 89 3. 20 1. 25	9. 50 3. 48 1, 13	7.48 3.01	9. 84 3. 65 2. 13	9, 52 3, 72 2, 02			
Taxable withdrawals do. Stocks, end of period do. Imports do. Still wines:	18. 46 7. 90 1. 93 384. 82	19. 22 8. 35 2. 56 405, 78	2.86 8.99 .39	2. 34 8. 35 . 40 15. 19	1. 06 9. 05 . 25 6. 89	. 96 9. 94 . 16 6. 37	1. 41 10. 37 . 21 7. 38	1. 01 11. 03 . 22 7. 51	1.70 10.60 .25	1. 60 10. 00 . 21 4. 05	1. 06 10. 17 . 17 3. 55	1. 57 10. 60 . 24 19. 58	2. 13 10. 41 . 38 123, 68		. 26	
Production do Taxable withdrawals do Stocks, end of period do Imports do	300. 25 7 451. 84 47. 39	298, 25 473, 70 56, 36	26. 13 499. 43 5. 36	27. 34 473. 70 5. 80	23, 31 452, 46 5, 16	21. 31 429. 28 4. 63	31. 19 398. 63 5. 13	25. 02 378. 12 5. 19	24. 29 357. 30 5, 91	26, 32 332, 30 6, 33	22, 29 309, 38 6, 26	25. 93 298. 78 6. 39	25. 98 392. 22 6. 97	5. 55	2, 92	
Distilling materials produced at wineriesdo DAIRY PRODUCTS	, 339. 31	344.77	36.84	16.48	8, 58	16.62	10.73	6.93	8.80	6.06	2. 67	19.87	89. 85			
Butter, creamery: Production (factory)‡	983. 8 10. 9 . 818	978.6 47.1 .944	77.6 47.3 .929	92, 5 47, 1 , 929	105. 6 67. 6 . 927	96. 2 94. 3 . 929	98. 4 106. 4 . 952	100. 4 128. 5 1. 032	103.9 164.0 1.029	95. 0 201. 3 1. 029	84. 2 208. 4 1. 031	78. 2 207. 7 1. 037	75.5 203.4 1.051	84. 9 r 198. 3 1. 056	81. 8 193. 7 1. 050	187. 5 1. 060
Cheese: Production (factory) total; mil. lb American, whole milk; do	2,811.4 1,654.6	3, 336. 6 2, 062. 4	257. 0 146. 8	281, 1 169, 1	264. 8 166. 8	254. 0 158. 8	299. 2 183. 4	301. 9 193. 8	326. 6 211. 9	314. 1 200. 3	282. 6 176. 2	271. 6 162. 7	251. 4 142. 8	254.3 145.2	248. 5 136. 0	
Stocks, cold storage, end of period	367. 8 307. 0 179. 5	478. 4 411. 3 206. 8	482.0 414.0 23.4	478. 4 411. 3 42. 6	485. 7 417. 1 18. 0	470.6 403.5 10.6	486. 9 422. 5 12. 5	511. 4 447. 4 11. 2	558. 5 491. 5 11. 4	583.9 510.6 17.1	592. 3 518. 3 16. 9	590, 1 516, 9 16, 6	554. 0 483. 2 18. 7	7 502.8 7 437.5 17.7	479. 2 417. 7 15. 2 1. 211	466. 0 403. 7 1, 224
cago)	926. 9 58. 6	1. 161 895. 5 70. 6	1. 140 50. 2 96. 9	1. 140 61. 3 70. 6	1. 140 62. 5 66. 3	1. 140 63. 3 63. 5	1. 152 68. 8 63. 0	1, 193 81, 6 66, 4	1, 193 85, 7 101, 5	1. 194 80. 2 127. 7	76. 9 133. 2	71. 7	59. 6 148. 6	53. 3 134. 3	46. 1 101. 0	
Exports: Condensed (sweetened)do Evaporated (unsweetened)⊙do	1.8 53.0	4. 4 44. 5	1.9	. 5 2. 4	3.0	1.8	. 6 2. 3	.9 3.6	. 2 2. 6	. 3 1. 1	.1 2.1	.2 1.5	. 4 2, 7	2. 2 2. 8	.3 2.3	
Fluid milk: Production on farms; do. Utilization in mfd. dairy products; do. Price, wholesale, U.S. average; \$ per 100 lb.	115,326 59,230	120, 356 63, 672 9. 66	9, 233 4, 563	9, 678 5, 0 66 9, 72	9, 91 0 5, 259	9, 351 5, 100 9. 54	10, 562 5, 847	10,741 5,992 9.43	11, 295 6, 465	11, 103 6, 360 9. 38	10, 715 5, 825 9, 50	10, 410 5, 580 9, 69	9, 907 4, 985 10. 00	9, 902 4, 861 10. 20	9, 497 4, 631 7 10, 20	9,8 3 8
Dry milk: Production: Dry whole milk‡		78. 1 926. 2	5, 2 53, 9	5. 0 73. 7	6. 1 71. 5	6. 4 72. 3	7. 6 87. 5	6, 3 107, 1	7. 6 119. 6	5. 6 132. 7	4.3 120.7	6. 5 100. 6	4. 2 78. 4	4.2 71.5 5.8	5. 5 65. 9 6. 0	
Dry whole milk do. Nonfat dry milk (human food) do. Exports: Dry whole milk do. Nonfat dry milk (human food) do.	5. 6 47. 1 35. 5 90. 6	9. 1 94. 0 31. 6 10. 3	10.7 89.2 1.9 3.2	9. 1 94. 0 1. 8 . 3	11. 1 87. 8 2. 4 . 2	8.8 84.9 1.6	8. 5 78. 9 2. 5 . 1	10. 1 106. 6 2. 3	8.7 119.7 2.5 4.3	10.0 127.1 1.9 11.8	9. 4 128. 8 2. 3 3. 7	6. 2 109. 4 2. 1 4. 9	6.3 88.6 2.0 4.8	69. 3 1. 7 1. 4	59. 6 1. 5 3. 1	
Price, manufacturers' average selling, nonfat dry milk (human food)\$ per lb	. 633	. 635	. 632	. 625	. 624	. 623	. 628	. 653	. 677	. 679	. 678	. 679	. 680	. 680	. 680	
GRAIN AND GRAIN PRODUCTS	2,529.0	2, 813. 6	244. 0	201. 4	182, 6	191.5	208.8	219, 4	219, 2	212.8	214.2	225, 1	257.6	198.0	207.2	
Exports (barley, corn, oats, rye, wheat)mil. bu Barley: Production (crop estimate) \(\triangle \)	3 374. 4	3 372, 5	244.0		182, 6	191.5		219, 4		212.8	214.2	220.1				6 415. 8
Stocks (domestic), end of period do do do do do do do do do Exports, including malt § do do	276. 4 162. 9 113. 5	272. 0 154. 5 117. 5		272. 0 154. 5 117. 5			188. 5 91. 2 97. 3		2 5 125. 9 2 5 52. 4 2 5 73. 4			6, 3	391. 4 251. 8 139. 6 9. 5	8. 1	2.4	
Exports, including malt \$	31.8 3.80 3.60	3. 11 3. 06	7. 3 3. 11 3. 09	6. 8 2. 75 2. 75	3, 4 2, 76 2, 80	8.5 2.80 2.75	1.1 2.90 2.85	1.8 2.79 2.79	8. 7 2. 72 2. 75	7. 7 2. 28 2. 32	11.4 1.95 1.97	1.84 1.86	2, 21 2, 09	2. 23 2. 27	2. 33 2. 32	2, 33 2, 32
Corn: Production (crop estimate, grain only) △mil. bu Stocks (domestic), end of period, totaldo On farmsdo	73 5,829.0 4,448.6 3,179.2	7 ³ 6,266. 4 4,860. 7 3,317. 0		4, 860. 7 3, 317. 0			3,273.3 2, 113. 9		² 2,350.8 ² 1,563.5		 		4 878. 8 4 440. 9			6,357.4
Off farms do. Exports, including meal and flour do. Price, wholesale: Weighted avg., selected markets, all grades \$ per bu.	1, 269. 4 1, 321. 8	1,543.7 1,748.0	180. 2	1, 543. 7 136. 6 2. 48	127. 2 2, 60	119.7	1,159.3 150.9 2.50	141.6	² 787. 3 139. 2 2. 42		116.5	121.6	4 438. 0 137. 5	119. 2	143. 3 2. 08	2, 23
Oats: Production (crop estimate)	3 642. 0 501. 7 407. 6 94. 1	³ 546. 3 420. 7 347. 3 73. 5		420. 7 347. 3 73. 5			263. 7 216. 3 47. 5						685.1 569.6 115.5			6 747. 9
Exports, including oatmeal do. Price, wholesale, No. 2, white (Minneapolis) \$ per bu.	16. 2 1. 67	12. 1 1. 74		. 6 1. 68	-	1.81	1.75		1.66	1.37	.6 1.14	1. 1 1. 04	1, 12	1.3		1

^{*}Revised. *Preliminary. 1 Includes Hawaii, not available on a monthly basis; monthly revisions will be shown later. 2 Stocks as of June 1. 3 Crop estimate for the year. 4 Previous year's crop; new crop not reported until Oct. (beginning of new crop year). 5 Previous year's crop; new crop not reported until June (beginning of crop year). 6 Crop

estimate for 1977. 7 Reported annual total, including Hawaii; monthly data are preliminary and subject to revision.

§ Excludes pearl barley. 9 Scattered monthly revisions back to 1973 are available.

† Revised monthly data back to 1973 are available. ⊙ Revised monthly data for 1975 will be shown later. △Revised crop estimates for 1970-1974 are available.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	76						197	7					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FO	OD AN	D KI	NDRE	ED PF	RODU	CTS;	TOB	ACCO	—Со	ntinu	ed		****			
GRAIN AND GRAIN PRODUCTS—Con.																
Rice: Production (crop estimate) \triangle mil. bags Q . California mills:		1 115, 6	 													8 99. 2
Receipts, domestic, rough	1,705	2, 220 1, 492 158	122 83 127	104 32 158	110 76 156	88 7 4 1 3 8	163 121 136	147 113 132	216 114 171	275 153 209	219 177 185	305 245 149	85 121 82	189 36 166	261 149 191	
Southern States mills (Ark., La., Tenn., Tex.); Receipts, rough, from producersmil. lb. Shipments from mills, milled ricedo Stocks, domestic, rough and cleaned (cleaned	8, 461 5, 312	9, 563 5, 481	709 573	575 572	624 521	729 507	505 587	292 526	199 555	207 521	123 407	1, 242 518	3,474 556	753 531	779 545	
basis), end of period	2, 150 4, 711	2, 682 4, 640 . 140	2,877 406 .123	2, 682 574 . 123	2, 475 233 . 113	2, 454 313	2, 161 487 . 121	1,850 263 .133	1, 424 529 . 156	1,044 381 .155	750 498 .153	1,087 494 .145	2,763 511 . 150	2,693 188 .154	2, 647 634 . 205	. 215
Rye: Production (crop estimate)△mil. bu. Stocks (domestic), end of perioddo Price, wholesale, No. 2 (Minneapolis)\$ per bu.	- 9.5	1 15. 0 9. 3 2. 92	2, 59	9.3 2.66	2.82	2, 87	6. 4 2. 88	2. 84	3 4 4. 5 2. 87	2, 56	1.92	1.82	14.7 2,23	2, 26	2,55	* 17. 0
Wheat: Production (crop estimate), total \triangle mil. bu. Spring wheat \triangle	2, 122 482 11, 640	1 2, 142 1 582 1 1, 560 1, 754		406												8 499 8 1, 527
Stocks (domestic), end of period, totaldo On farmsdo Off farmsdo	- 1,384. 6 - 546. 6	1,780.1 663.8 1,116.4		1,780.1 663. 8 1,116.4			1,388.1 509. 5 878. 5		341,110.8 34 424.9 34 685.9	l			2, 396. 5 1, 031. 6 1, 364. 9			
Exports, total, including flourdododo	- 1, 158. 2 - 1, 134. 5	1,001.3 968.9	54. 3 53. 3	57. 4 56. 9	51. 9 49. 0	63. 1 57. 7	56. 5 50. 7	75. 7 68. 1	70.8 66.4	78. 5 75. 6	85. 6 82. 8	96. 1 93. 4	110. 2 108. 5	69. 4 68. 3	58. 5 56. 7	
Prices, wholesale: No. 1, dark northern spring (Minneapolis)																201
\$ per bu. No. 2, hd. and dk. hd. winter (Kans. City) do Weighted avg., selected markets, all grades \$ per bu.	3.96	4. 10 3. 50 3. 87	3. 17 2. 79 3. 08	3. 08 2. 71 2. 96	3. 08 2. 68 2. 97	3. 08 2. 77 3. 01	3. 11 2. 76 3. 00	3. 03 2. 60 2. 94	2. 87 2. 41 2. 82	2. 72 2. 38 2. 64	2. 57 2. 38 2. 57	2. 59 2. 35 2. 55	2. 86 2. 52 2. 82	2, 92 2, 60 3, 04	3. 02 2. 84 3. 13	2. 94 2. 88 3. 05
Wheat flour: Production: Flour: thous. sacks (100 lb.) Offal thous. sh. tons. Grindings of wheat thous. bu	- 4,485	259, 483 4, 643 584, 082	21,031 380 47,486	20,804 373 46,931	21, 320 380 48, 035	21,425 385 48,023	24,321 430 54,434	20,632 370 46,402	20, 861 375 46, 870	20, 529 367 46, 261	19,393 345 43,518	23,023 410 51,712	22, 039 378 49, 258	r 22, 054 r 383 r 49, 360	22, 419 389 50, 116	
Stocks held by mills, end of period thous. sacks (100 lb.) Exports		4, 334 13, 907	447	4, 334 188	1, 218	2, 334	4, 248 2, 519	3,272	1,857	4, 167 1, 248	1, 194	1, 146	3, 537 730	473	766	
\$ per 100 lb Winter, hard, 95% patent (Kans. City)do LIVESTOCK	10, 552 9, 365	9. 509 8. 303	7. 913 6. 938	7.838 6.838	7. 750 6. 763	7. 863 6. 813	7. 725 6. 525	7. 125 6. 200	6, 925 5, 838	6. 500 5. 575	6. 588 5. 850	6. 688 5. 913	7. 025 6. 088	7. 188 6. 325	7.338 6.575	7. 200 6. 488
Cattle and calves: Slaughter (federally inspected): Calvesthous. animals.	3, 894	4 420	200	420	408	380	457	389	0.50	368	352	411	403	392	398	387
Cattle do Prices, wholesale: Beef steers (Omaha) \$ per 100 lb. Steers, stocker and feeder (Kansas City) do Calves, vealers (So. St. Paul)† do.	36, 904 44. 61 33. 42	4, 438 38, 992 39, 11 37, 65 45, 18	388 3, 154 39, 15 35, 07 44, 90	3, 205 39, 96 35, 19	3, 272 38. 38 34. 87 53. 12	37. 98 36. 54 54. 88	37. 28 38. 29 52. 26	3, 033 40. 08 41. 33 52. 88	353 3, 054 41. 98 39. 88 54. 92	3, 374 40, 24 38, 22 51, 60	3, 085 40. 94 38. 90 46. 95	3, 489 40. 11 39. 61 46. 20	3, 320 40, 35 39, 04 41, 54	3, 282 42, 29 40, 18 42, 50	3, 244 41.83 38.79 40.98	3, 200 43, 13 39, 71 40, 50
Hogs: Slaughter (federally inspected)thous. animals.		70, 454	7, 110	6, 525	5,840	5,825	7, 236	6,400	5,877	5,695	4, 908	6, 149	6, 514	6,507	6, 885	6, 186
Prices: Wholesale, average, all weights (Sioux City)⊕ \$ per 100 lb.	,	43. 19	31.96	38. 28	39. 65	40. 40	37. 61	37. 20	41.94	43. 89	45.76	44, 34	41. 39	40. 97	39.44	44, 13
Hog- corn price ratio (bu. of corn equal in value to 100 lb. live hog)	e -	17. 5	15. 4	16, 2	16. 2	16.8	15.8	15. 6	18, 4	19.8	23.9	26. 3	25. 1	23.9	r 19.9	21.0
Sheep and lambs: Slaughter (federally inspected)thous. animals. Price, wholesale, lambs, average (Omaha) \$ per 100 lb.	'	6, 474 47. 84	517 39.00	534 45. 00	498 49. 50	461 50. 25	579 51.50	539 56.75	474 56.75	550 53.00	468 41. 25	553 50. 75	568 55.75	525 56, 88	477 50.00	441 58. 50
MEATS Total meats (excluding lard):																
Production, total† mil. lb. Stocks, cold storage, end of period O do. Exports (meat and meat preparations) do. Imports (meat and meat preparations) do.	675 864	39, 060 5 733 1, 305 7 1, 868	3, 453 726 117 134	3,367 733 128 94	3, 238 745 100 131	3, 084 755 100 150	3, 549 795 103 143	3, 200 818 113 147	3, 122 798 110 147	3, 298 726 103 130	2, 925 629 112 147	3, 405 568 110 158	3, 354 580 125 167	3, 344 7 530 106 117	3, 416 566 109 87	3, 239 565
Beef and veal: Production, total† Stocks, cold storage, end of period ⊙ do. Exports. do Imports. do Price, wholesale, beef, fresh, steer carcasses, choice	360 46 1,304	26, 480 5 464 82 1, 467	2, 168 439 7 104	2, 190 464 6 64	2, 185 486 6 100	2, 044 485 7 123	2, 259 504 8 107	2,049 484 6 111	2,052 456 7 113	425 8 101	2, 031 385 8 115	2,302 361 10 129	357 8 140	2, 165 r 308 8 95	2, 147 302 8 71	
(600-700 lbs.) (East Coast) \$ per lb. Lamb and mutton: Production, total† mil. lb Stocks, cold storage, end of period do	399	361 15			29	. 630 27 14	34 12	31 13	. 675 25 15	29	. 668 25 14	. 661 29 14	30 12	29	. 690 27 9	25

^{*}Revised. ¹Crop estimate for the year. ²See "\$\sigma^{\circ}\$ note, this page. ³Stocks as of June 1. ⁴Previous year's crop; new crop not reported until June (beginning of new crop year). \$See "\$\sigma^{\circ}\$ note, this page. \$\sigma^{\circ}\$ Average for 11 months (Jan.-June, Aug.-Dec.). \$\sigma^{\circ}\$ Reflects revisions not available by months. \$\sigma^{\circ}\$ rop estimate for 1977. \$\sigma^{\circ}\$ Bags of 100 lbs. \$\sigma^{\circ}\$ Data are quarterly except that beginning 1975, June figures cover Apr., May and Sept. covers June-Sept.

[©] Effective April 1977 Survey, data beginning Feb. 1976 are restated to exclude cooler meats; comparable earlier data will be shown later. † See corresponding note, p. S-29. ⊕ Effective July 1977 Survey, monthly prices are restated through May 1977 to coincide with published annual averages which are for "all weights, excluding sows"; comparable monthly data prior to May 1976 will be shown later. △Revised crop estimates for 1971-1974 are available.

S-29

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FO	OD AN	ND KI	NDRI	ED P	RODI	JCTS	; TOI	BACC	0—С	ontin	ıed					
MEATS—Continued																
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	11, 314 249 207 327 . 882 . 993	12, 219 3 212 311 4 318 . 855 . 977	1, 255 219 26 25 . 875 . 760	1, 146 212 21 26 1. 007 . 860	1, 024 197 18 26 . 758 . 971	1, 013 200 21 23 . 787 . 916	1, 256 223 28 30 . 836 . 832	1, 120 261 22 29 . 742 . 855	1, 044 268 26 27 . 749 . 932	1, 022 229 25 29 . 742 1, 004	869 179 21 27 5.740 1.042	1, 074 145 23 24 . 801 . 979	1, 131 159 27 22 . 776 . 986	1, 150 167 26 18 . 889 . 984	1, 241 208 28 12 . 971 . 901	1, 108 187 1, 013 1, 029
Poultry: Poultry and EGGS								!								
Slaughter (commercial production) mil. lb Stocks, cold storage (frozen), end of period, total mil. lb Turkeys do Price, in Georgia producing area, live broilers \$ per lb Eggs:	10, 434 314 195 . 269	363 203 . 240	1,021 453 299 . 200	928 363 203 . 195	335 190 . 220	780 303 168 . 240	938 279 142 . 250	266 130 . 250	988 281 138 . 250	1, 095 353 201 . 255	988 408 252 . 270	1, 179 481 328 . 245	1, 115 566 408 . 245	1,092 r 602 446 . 235	1, 028 420 269 . 215	317 167 . 205
Production on farms \$\tau\$ mil. cases\$\times\$. Stocks, cold storage, end of period: Shell thous cases\$\times\$. Frozen mil. lb. Price, wholesale, large (delivered; Chicago) \$\frac{1}{2}\$ per doz.	178. 9 22 36 . 594	180. 1 28 26 . 678	14.8 25 26	15. 4 28 26 . 823	15. 2 29 27 . 787	13. 7 44 25	15. 4 42 25 . 675	14. 8 42 25 . 624	15. 2 33 28	14.5 40 32	14.7 38 35	14. 9 47 35	14. 8 49 34 . 593	15. 5 7 49 33 . 537	15. 3 51 31 . 550	38 30 . 61 5
MISCELLANEOUS FOOD PRODUCTS	.554	.078	. 707	.020	. 161	.756	.013	.024	.557	. 570	. 628	. 593	. 595	. 557	. 000	.010
Cocoa (cacao) beans: Imports (incl. shells)thous. lg. tons Price, wholesale, Accra (New York)\$ per lb	233. 0 . 759	235. 4 1. 092	11.6 1.615	16. 5 1. 543	30, 6 1, 730	21.5 1.903	19. 0 2. 075	16.1 1.983	25. I 1. 993	13. 6 1. 993	10.9 1.993	10. 8 1. 993	6. 2 2. 560	8. 1 2. 500	4.7 2.500	2.500
Coffee (green): Inventories (roasters', importers', dealers'). end of periodthous. bagso'. Roastings (green weight)do	3, 300 18, 551	2, 805 19, 063		2, 805 4, 621			3, 519 4, 752			3, 115 3, 239			2, 617 2, 350			
Imports, total	20, 289 3, 748 1, 678 2, 830	19,788 3,092 21.228 2,912	1, 649 477 282	1,858 500 233	1, 994 641 223	1,707 466 270	1, 839 225 280	1,824 483 211	1, 224 198 192	1, 137 154 	756 98	695 71 284	678 5 	635 1 275	972 3 <u>267</u>	
Fish: Stocks, cold storage, end of periodmil. lb	356	371	381	371	36 2	316	312	308	301	323	366	393	c 424	416	r 431	p 442
Sugar (United States): Deliveries and supply (raw basis): Production and receipts: Production thous, sh, tons	5, 192	5,742	1, 174	1, 214	775	459	275	202	206	104	68	73	147	681		
Deliveries, total	10, 127 9, 974 2, 731	10, 926 10, 859 3, 324	827 816 2,504	831 827 3, 324	832 828 3,624	764 761 3, 758	1, 024 1, 017 3, 430	898 895 3, 302	878 875 3, 191	1,030 1,028 2,782	976 974 2,424	1, 130 1, 128 2, 019	1,005 1,000 1,951	914 914 r 2, 259	p 2, 931	
Exports, raw and refinedsh. tons	205, 989	69 , 73 5	13, 510	4, 356	3, 246	2, 112	3,000	3, 031	1,550	1, 293	935	727	1,764	807	494	
Imports: Raw sugar, total thous. sh. tons From the Philippines do Refined sugar, total do	3, 680 415 148	4, 331 900 214	269 79 26	427 125 1	247 53 2	418 72 21	321 109 13	407 107 31	389 67 33	388 86 13	456 111 7	474 78 8	569 181 24	481 84 16	418 141 20	
Prices (New York): Raw, wholesale \$ per lb Refined: Retail (incl. N.E. New Jersey) \$ per 5 lb Wholesale (excl. excise tax) \$ per lb	. 229 1. 986 . 311	. 135 1. 262 . 190	. 106 1. 114 . 160	. 102 1. 115 . 156	. 105 1. 101 . 160	.113 1.106 .167	. 117 1. 121 . 171	, 124 1, 142 , 181	1. 155 . 172	. 100 1. 131 . 157	. 095 1. 126 . 151	. 110 1. 115 . 172	. 108 1. 134 . 165	. 098 1. 112 . 155	. 114	. 114
Tea, importsthous. lb	159, 287	181, 304	16, 133	18, 273	16, 059	15,064	22, 389	23, 302	27, 345	22, 335	22, 252	15, 932	9,994	9,702	7, 213	
FATS, OILS, AND RELATED PRODUCTS Baking or frying fats (incl. shortening): Production1	3, 687. 3 124. 7	3, 913. 4 127. 7	324.3 120.5	309.6 127.7	29 6. 7 127. 8	301. 2 119. 8	357. 9 113. 9	313. 8 115. 3	331. 2 144. 7	295. 5 134. 1	260, 6 138, 2	325. 1 125. 8	325. 5 117. 9	7 343.6 7 112.1	347. 9 110. 2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3, 947, 2 90. 8	4, 343. 0 104. 0	351. 4 89. 4	344. 8 104. 0	311.5 117.8	316. 9 118. I	399. 5 97. 9	340. 2 91. 5	372. 4 105. 8	340. 4 100. 3	327. 1 101. 5	374. 8 90. 6	364. 9 88. 7	r 376. 2 r 109. 3	386. 4 101. 1	
Margarine: Productiondo Stocks, end of period⊕do Price, wholesale (colored; mfr. to wholesaler or large retailer; delivered)\$ per lb	2, 399. 3 60. 1	2, 629. 7 67. 2 . 443	233, 2 69, 8	246. 0 67. 2	242.3 67.4	236. 5 70. 7	232. 7 71. 8 . 462	197.3 77.3 .518	178.8 91.0	179. 8 81. 0 . 544	164. 8 73. 7	198. 2 68. 6	209. 1 58. 9 . 535	r 221. 8 r 74. 0	227. 2 68. 7 . 513	. 500
Animal and fish fats: Tallow, edible: Production (quantities rendered) mil. lb. Consumption in end products do. Stocks. end of period¶ do.	513. 5 649. 7 37. 8	5 3 5. 5 660. 5 47. 5	42.5 59.7 49.8	43. 5 63. 7 47. 5	42. 4 58. 5 49. 1	42.9 58.9 51.7	49. 9 74. 7 43. 6	45. 7 60. 9 58. 5	45. 2 60. 6 59. 5	44. 2 63. 1 58. 8	39, 2 59, 2 56, 3	43, 4 68, 4 51, 8	47. 6 74. 9 33. 5	r 63.9 r 72.3 r 32.0	65. 6 67. 8 33. 8	
Tallow and grease (except wool), inedible: Production (quantities rendered) do. Consumption in end products‡ do. Stocks, end of period¶ do. They ised a Proliminary LATGEOGRAPH TO LONG.	4, 655. 4 2, 908. 4 276. 6	5, 674. 6 3, 367. 2 354. 8	487. 4 265. 6	501.8 261.4	464. 1 261. 7	440.9 237.5	484. 4 270. 9 402. 7			450. 5 276. 5 352. 6	398. 1 242. 0 326. 0	432. 1 262. 1 356. 0	255. 7 359. 3	7 427. 4 7 262. 1 7 350. 8	328.8	SURVEY

r Revised. r Preliminary. ¹ Average for Jan. and Feb. ² Average for 2 mos. (May and Sept.). ³ See "△" note, this page. ⁴ Reflects revisions not distributed to the months. ⁵ Beginning July 1977, prices represent Midwest and Los Angeles and are not comparable with those for earlier periods which represent East coast and Los Angeles. ⊙ Cases of 30 dozen. ♂Bags of 132.276 lb. \$Monthly data reflect cumulative revisions or prior periods. ⊕Producers' and warehouse stocks. ¶ Factory and warehouse

stocks. † Monthly revisions back to 1974 are available. \(\triangle \text{Effective April 1977 SURVEY}\), data beginning Feb. 1976 are restated to exclude cooler pork; comparable earlier data will be shown later. † Revised series. Beginning May 1977 SURVEY, data represent total commercial slaughter (excluding rendered pork fat and lard), whereas the price for calves (p. S-28), represents a different market. Comparable data prior to Mar. 1976 will be shown later. • Corrected.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						197	7					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FOO	DD AN	D KI	NDRI	ED PI	RODU	CTS;	TOE	BACC	Э—Со	ntinı	ıed					
FATS, OILS, AND RELATED PRODUCTS—Continued																
Vegetable oils and related products: Coconut oil: Production, refined	716. 2 865. 3 26. 7 869. 1	849. 2 990. 3 40. 1 1, 206. 9	72.0 87.1 42.1 6175.9	58. 5 75. 1 40. 1 144. 1	57. 0 73. 4 35. 3 86. 8	60. 2 69. 9 38. 6 128. 8	67. 3 82. 6 33. 4 99. 2	59. 3 73. 0 37. 7 64. 9	67. 6 73. 9 46. 9 89. 4	69. 8 79. 1 41. 4 108. 8	67. 1 63. 1 48. 0 66. 3	49. 1 71. 9 42. 9 75. 0	59. 4 73. 1 40. 1 76. 1	56. 5 r 76. 3 r 37. 9 29. 4	61. 0 78. 9 31. 0 75. 1	
Corn oil: Production: Crude	458.8 496.6 475.6 39.5	692. 4 562. 2 517. 0 42. 1	50. 4 45. 7 43. 2 43. 1	51. 3 44. 9 43. 6 42. 1	48. 1 47. 2 47. 7 33. 4	49. 0 44. 0 45. 2 28. 6	59, 2 51, 1 41, 7 32, 4	55. 6 42. 4 37. 1 43. 2	58. 1 50. 7 44. 0 61. 2	57. 9 46. 3 39. 3 62. 1	64. 0 43. 9 40. 7 64. 7	59. 3 53. 2 49. 1 54. 8	53. 7 49. 0 48. 2 45. 8	7 58. 9 7 51. 6 7 46. 5 7 39. 5	58. 4 48. 6 47. 5 48. 4	
Cottonseed oil: Production: Crudedo Refineddo Consumption in end productsdo	1, 215. 0 1, 112. 7 660. 7	984. 3 819. 8 578. 8	129, 2 73, 0 56, 6	135, 6 86, 2 48, 0	135. 0 95. 4 47. 9	134. 3 98. 0 47. 8	134. 4 103. 5 55. 7	91. 1 79. 2 56. 7	89.3 82.0 56.1	78. 5 73. 3 56. 2	67. 3 55. 8 45. 9	63. 0 57. 8 51. 8	60. 1 48. 7 48. 6	* 115.1 * 77.8 * 47.5	146. 2 111. 4 52. 6	
Stocks, crude and ref., end of period ¶do Exports (crude and refined)do Price, wholesale (N.Y.)\$ per lb	160. 3 656. 5 . 322	191. 6 520. 9 . 297	167. 2 15. 7 . 290	191. 6 76. 6 . 283	207. 7 50. 4 . 278	233. 0 80. 5 . 283	237. 5 104. 2 . 323	226. 9 72. 4 . 350	214. 0 23. 0 . 360	182.5 58.3 .360	153. 0 57. 4 . 280	122. 2 52. 5 . 275	79. 4 65. 5 . 245	7 91. 5 35. 4 . 265	111. 9 64. 2 . 270	.300
Soybean oil: Production: Crudemil. lb. Refineddododo	7, 861. 7 6, 422. 9 6, 830. 3	9, 639. 6 7, 185. 4 7, 576. 6	804. 0 596. 3 609. 1	805. 7 578. 0 613. 8	786. 7 553. 5 571. 5	791. 2 567. 3 591. 2	823. 7 698. 7 694. 5	747. 3 624. 7 597. 0	682.4 639.1 611.0	631. 1 578. 1 553. 8	566. 6 553. 1 517. 9	553. 6 648. 4 629. 8	578. 2 612. 0 621. 5	* 821. 9 * 686. 8 * 658. 6	921. 4 749. 8 682. 2	
Stocks, crude and ref., end of period ¶do Exports (crude and refined)do Price, wholesale (refined; N.Y.)\$ per lb	799. 9 758. 0 . 286	1, 488. 1 1, 088. 4 . 244	1,431.9 107. 7 . 276	1,488.1 75.8 .262	1,599.5 103.7 .252	1,609.4 92.3 .275	1,486. 4 236. 4 . 318	1,478.9 103.3 .358	1,355.0 209.4 .353	1,168.4 159.9 .330	1,032.0 154. 2 . 271	937. 3 72. 0 . 275	766. 6 66. 0 . 249	752.1 108.8 . 246	765. 6 185. 5 . 260	. 285
Leaf: Production (crop estimate)	1 2, 182 4, 738 563,030	1 2, 136 4, 978 577, 997	51, 307	4, 978 75, 600	76, 832	52, 964	4, 797 54, 695	31,271	38,003	4, 425 41, 525	49, 692		4,719 66,331	17, 850	49, 515	9 1, 934
Imports, incl. scrap and stems do Manufactured: Consumption (withdrawals): Cigarettes (small): Tax-exempt millions. Taxable do. Cigars (large), taxable do. Exports, cigarettes do.	62, 278 588, 345 4, 476 49, 935	72, 125 617, 112 4, 041 61, 370	6, 185 50, 541 340 4, 383	25, 764 6, 032 43, 739 264 5, 987	4, 896 49, 029 247 3, 823	5, 295 49, 198 280 4, 161	7, 085 53, 374 332 6, 180	6, 371 45, 071 295 5, 676	6, 432 46, 687 344 6, 267	7, 991 55, 079 350 5, 781	5, 935 43, 260 274 5, 887	8, 031 56, 151 314 6, 442	7, 716 49, 144 7, 326 7, 530	5, 693 50, 779 384 3, 570	25, 072	
			LEA'	THEF	ANI) PR	DDUC	TS			'		<u> </u>		1	<u>, </u>
HIDES AND SKINS Exports: Value, total?thous. \$. Calf and kip skinsthous. skins. Cattle hidesthous. hides	296, 279 2, 403 21, 269	552, 276 2, 162 2 25, 270	46, 132 145 2, 042	48, 522 158 2, 282	50, 536 194 2, 276	47,158 182 1,998	55, 844 144 2, 289	53, 264 250 2, 167	48, 048 174 2, 016	49, 051 171 2, 023	51, 786 246 2, 189	46, 500 187 1, 937	50, 381 249 2, 157	39, 260 179 1, 631	38, 207 196 1, 572	
Imports:	78, 100 15, 520 879	89, 100 16, 603 1, 255	4, 400 523 55	3,500 467 122	5, 200 815 136	6,300 1,166 116	9, 400 1, 942 118	7,700 1,355 144	12, 200 2, 260 123	10,600 1,724 83	9,600 1,601 68	9, 400 1, 385 72	9, 500 1, 295 151	5, 000 482 44	155 3	
Prices, wholesale, f.o.b. shipping point: Calfskins, packer, heavy. 9/5/15 lb\$ per lb. Hides, steer, heavy, native, over 53 lbdo LEATHER	3.350 .234	7.754 .338	.700 .290	. 700 . 323	. 800 . 358	. 900	. 900 . 373	. 900 . 401	1, 150 , 413	1. 150 . 363	. 900 . 381	. 900 . 368	. 900 . 348	. 338	. 750 . 348	.800
Production: Calf and whole kipthous. skins. Cattle hide and side kipthous. hides and kips. Goat and kidthous. skins. Sheep and lambdo	1			1			l		l			1				
Exports: Upper and lining leatherthous. sq. ft	2 184,104	2 203,707	15, 108	18, 388	18, 630	19, 272	23, 315	18, 338	16,714	16, 205	18, 612	12, 276	16, 838	12,807	14, 980	
Prices, wholesale, f.o.b. tannery: Sole, bends, lightindex, 1967=100 Upper, chrome calf, B and C grades index, 1967=100	Į.		195.6	1		211. 4	211.4	211. 4	211. 4	201. 3	207.1	207. 1	207. 1	192.7	201. 3	201. 3
LEATHER MANUFACTURES Shoes and slippers:																
Production, total thous, pairs. Shoes, sandals, and play shoes, except athletic thous, pairs. Slippers. do. Athletic. do. Other footwear. do.	413,080 331,232 70,536 7,917 3,392	422,507 345,433 64,880 10,064 2,130	29,969 23,556 5,483 775 155	29,232 24,860 3,294 923 155	30,898 25,489 4,392 825 192	31,316 25,479 4,745 872 220	34,600 26,295 4,961 1,081 243	31,305 25,029 5,149 965 162	32,798 26,050 5,566 989 193	33, 220 26, 242 5, 867 927 184	24,931 20,509 3,870 441 111	34,600 27,260 6,134 925 281	732, 926 725, 832 76, 006 7846 7242	33, 546 25, 947 6, 532 798 269		
Exportsdo	2 4, 332	6,023	498	564	391	436	475	463	412	477	422	475	549	369	489	
Prices, wholesale f.o.b. factory: Men's and boys' oxfords, dress, elk or side upper, Goodyear weltindex, 1967=100. Women's oxfords, elk side upper, Goodyear weltindex, 1967=100. Women's pumps, low-medium qualitydo		179. 1 163. 8 143. 4	184. 1 169. 3 145. 1	184. 1 169. 3 145. 1	184. 1 169. 3 145. 2	188. 9 169. 3 145. 2	191. 3 173. 0 145. 2	192. 5 173. 0 143. 8	192. 5 173. 0 143. 8	192. 5 173. 0 143. 8	194. 8 170. 2 143. 8		194. 8 170. 2 143. 8	197. 9 173. 3 146. 8	197. 9 173. 3 146. 8	

r Revised.

Crop estimate for the year.

Annual total reflects revisions not distributed to the monthly data.

Average for Jan.—May and July–Dec.

Jan.—June and Aug.—Dec.

Jan., Feb., and Dec.

Data include imports for Oct.

Average for Jan.,

Feb., and Apr.-Dec. ⁸ Average for Jan.-Nov. ⁹ Crop estimate for 1977. ² Includes data for items not shown separately. ¶ Factory and warehouse stocks.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	76						197	77					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			LUM	BER	AND	PRO	DUC	rs								
LUMBER—ALL TYPES Q						1										
National Forest Products Association:	132, 087 5, 872 26, 215	1 37,153 6, 830 30, 323	2, 972 496 2, 476	2, 921 428 2, 493	2,822 370 2,452	2, 930 460 2, 470	3, 388 532 2, 856	3, 260 536 2, 724	3, 253 545 2, 708	3, 160 575 2, 585	2, 975 507 2, 468	3, 290 583 2, 707	3, 368 526 2, 842	3, 268 552 2, 734		
Shipments, total do Hardwoods do Softwoods do	132, 254 5, 799 26, 455	137, 030 6, 833 30, 197	2, 911 510 2, 401	2, 951 426 2, 525	2, 683 385 2, 298	2, 873 478 2, 395	3, 362 543 2, 819	3, 364 575 2, 789	3, 314 548 2, 766	3, 387 590 2, 797	3, 077 492 2, 585	3, 358 583 2, 775	3, 296 516 2, 780	3, 269 576 2, 693		
Stocks (gross), mill, end of period, totaldo Hardwoodsdo Softwoodsdo	4, 967 875 4, 092	5, 091 882 4, 209	5,062 843 4,219	7 5, 091 7 882 7 4, 209	5, 171 830 4, 341	5, 228 812 4, 416	5, 325 867 4, 458	5, 197 802 4, 395	5, 133 796 4, 337	4, 964 781 4, 183	4, 845 788 4, 066	4, 787 789 3, 998	4, 859 799 4, 060	4, 876 775 4, 101		
Exports, total sawmill productsdo Imports, total sawmill productsdo	1,643 5,968	1,909 8,178	140 759	150 779	144 691	147 721	169 906	142 890	167 996	150 999	116 934	156 920	128 938	99 858	108 956	
Douglas fir:	7,430	8, 377		696	675	674	771	733	725	748	537	715	663	726		
Orders, newmil. bd. ft Orders, unfilled, end of perioddo Productiondo	550 7, 134	634 8, 322	673 618 700	634 675	675 638 720	637 686	672 743	621 745	573 737	631 656	5 47 599	573 682	504 772	497 747		
Shipmentsdo Stocks (gross), mill, end of perioddo	7, 196 920	8, 293 949	677 954	680 949	671 998	675 1,009	736 1,016	784 977	773 941	690 907	621 885	689 878	732 918	733 932		
Exports, total sawmill products. do— Sawed timber. do— Boards, planks, scantlings, etc do—	505 125 398	602 180 422	31 8 23	45 18 27	42 10 31	37 13 24	65 8 57	38 8 30	53 16 37	43 12 31	34 13 21	35 11 24	30 8 21	25 8 17	28 6 22	
Price, wholesale: Dimension, construction, dried, 2" x 4", R. L. \$ per M bd. ft	158. 88	191.24	204.02	218.76	228. 38	225. 50	232, 09	226. 05	225. 42	213. 79	230. 93	242. 51	256, 92	237, 27	218. 0 3	227.
Southern pine: Orders, newmil. bd. ft_ Orders, unfilled, end of perioddo	1 7, 251 453	17,879 443	699 441	660 443	587 416	735 499	790 495	790 505	757 5 0 9	838 562	707 523	798 524	646 447	739 434		
Production do do Shipments do do do do do do do do do do do do do	1 6, 967 1 7, 142	1 7, 987 1 7, 889	656 633	663 658	651 614	702 652	787 794	778 780	729 753	728 785	708 746	759 797	742 723	764 7 52		
Stocks (gross), mill and concentration yards, end of periodmil. bd. ft.	1,134	1,232	1, 227	1,232	1, 269	1,319	1,312	1,310	1, 286	1,229	1, 191	1, 153	1, 172	1, 184	10.000	
Exports, total sawmill products	67, 502	140, 386	12,833	17, 349	9, 455	16, 361	13, 413	17,548	14, 938	18, 473	9,194	15, 682	14, 242	9, 272	10, 223	
Boards, No. 2 and better, 1" x 6", R. L. 1967=100 Flooring, C and better, F. G., 1" x 4", S. L. 1967=100	166. 6 226. 9	207. 5 233. 6	244. 3 238. 4	246. 1 238. 4	249. 2 238. 4	247. 8 238. 4	252, 4 240, 5	258. 5 242. 7	259. 9 243. 8	263. 7 246. 0	275. 9 251. 5	284. 2 254. 8	287. 9 259. 1	288, 6 260, 2	290. 6 262. 4	294 264
Western pine: Orders, newmil. bd. ft Orders, unfilled, end of perioddo	8, 665 538	9, 760 554	812 604	786 554	669 550	738 555	922 589	808 576	812 540	1, 015 637	824 604	908 606	884 554	847 563		
Productiondo Shipmentsdo	8, 445 8, 519	9, 789 9, 744	781 763	822 836	732 673	753 733	914 888	820 821	876 848	840 918	822 857	892 906	941 936	860 838		
Stocks (gross), mill, end of perioddo	1,270	1,315	1,329	1,315	1,374	1,394	1,420	1, 419	1, 447	1,369	1, 334	1,320	1,325	1,347		
Price, wholesale, Ponderosa, boards, No. 3, 1" x 12", R. L. (6' and over)	131. 97	184. 31	198. 57	206. 15	227. 16	232. 18	245. 58	251, 21	239. 98	216. 44	219.96	232. 57	236. 48	235. 28	215.40	226
Oak: Orders, newmil. bd. ft Orders, unfilled, end of perioddo	104. 2 4. 5	114.5 4.2	8. 0 4. 4	8. 5 4. 2	9. 3 5. 1	7. 4 5. 0	11. 8 6. 2	10. 1 7. 0	7.6 5.3	9. 4 5. 6	9. 6 7. 0	11. 1 7. 6	9. 4 7. 3	9. 1 6. 4	9. 8 6. 8	
Production doShipments doStocks (gross), mill, end of period do	93. 8 98. 8 12. 5	104.5 109.3 8.9	8.3 8.3 7.1	8. 8 8. 1 8. 9	7. 8 8. 5 8. 1	7. 9 7. 5 8. 5	9.8 10.5 7.7	9. 4 9. 3 7. 2	9. 1 9. 3 7. 1	9.5 9.1 6.1	8, 3 8, 7 5, 6	10. 0 10. 6 5. 1	10. 1 9. 7 5. 4	9. 7 10. 0 5. 1	9, 3 9, 4 4 , 9	
	1	M	ЕТАІ	S AN	ID M.	ANUI	FACT	URES	3		,	<u> </u>	·			
IRON AND STEEL Exports:																
Steel mill productsthous. sh. tons Scrapdodo	2, 953 9, 608 60	2, 654 8, 120 57	186 554 6	228 634 6	162 511 4	205 465 3	202 532 11	233 449 4	178 524 10	151 654 6	136 594 4	143 438 3	171 598 3	125 474 2	148 462 2	
Imports: do	12, 012 305 478	14, 285 507 415	1,597 50 23	1,364 34 64	1, 121 55 6	1,002 53 20	1,175 62 17	1, 115 80 14	1,817 43 36	1,819 41 58	1, 582 35 22	1,831 67 19	2,057 62 25	1,762 40 54	1, 938 39 48	
Iron and Steel Scrap				"	 	-					-					
Production thous. sh. tons. Receipts, net .do Consumption .do Stocks, end of period .do	1 46,042 1 36,753 1 82,331 1 8,766	1 41, 144	3, 786 3, 090 6, 873 9, 890	3, 661 2, 940 6, 508 9, 988	3, 497 3, 338 6, 735 9, 723	3, 591 3, 567 6, 663 9, 828	4, 436 4, 393 8, 255 9, 864	4, 333 4, 340 8, 107 9, 908	4,456 8,570	4,570 3,961 8,507 10,625	3, 961 3, 961 7, 527 10, 553	4, 207 4, 051 7, 734 9, 760	7 4,035 7 7,605	p 4,251 p 4,076 p 7,972 p 9,741		
Prices, steel scrap, No. 1 heavy melting: Composite (5 markets)\$ per lg. ton. Pittsburgh districtdo	70.83	73. 62	60.02	63. 22	67.03	² 68. 76	73.66	74.03	68.01	62 30	2 60 47	260.65	² 59. 53 64. 00	2 51 77	2 47. 17	61.
Revised. P Preliminary. Annual data: m ² Effective with Feb. 1977, composite reflects substantiating July 1077, it reflects addition of Decision	onthly rev	visions are	not avai	lable. n Francis	sco:	†Eff	ective A	ug. 1976 s	SURVEY,	scrap exc	eludes im	ports of	rerolling	rails and		exclu

Revised. * Preliminary. 1 Annual data: monthly revisions are not available.

2 Effective with Feb. 1977, composite reflects substitution of Los Angeles for San Francisco; effective July 1977, it reflects addition of Detroit and Houston.

2 Totals include data for types of lumber not shown separately.

Sponge from imports previously included.

¶ Effective with 1974 annual and Jan, 1975 figures, data reflect expanded sample and exclusion of direct-reduced (prereduced) iron, previously included in scrap series.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	M	ETAL	S AN	D MA	NUF	ACTU	RES-	-Con	tinue	d		<u> </u>		·		
IRON AND STEEL—Continued																
Ore	1 75, 967	79, 200 77, 216 44, 390	6, 690 6, 806 3, 904	6, 134 5, 528 3, 422	5, 642 2, 220 2, 252	5, 968 2, 139 1, 184	6, 205 2, 156 881	6, 084 4, 824 2, 051	6, 971 8, 176 3, 078	7, 429 9, 432 4, 299	6, 677 9, 616 3, 520	1, 805 5, 590 4, 961	1, 763 2, 459 4, 245	1, 548 2, 579 4, 083	4, 207	
U.S. and foreign ores and ore agglomerates: Receipts at iron and steel plantsdo Consumption at iron and steel plantsdo Exportsdo	112, 718 106, 230 2, 538	117, 697 114, 324 2, 913	10, 053 8, 205 268	9, 274 8, 195 238	3, 471 7, 873 123	3, 232 7, 890 2	4, 251 9, 641 31	7, 058 9, 667 364	11, 119 10, 930 376	12,680 10,108 393	13, 174 9, 436 7 598	10, 566 9, 074 147	7, 958 8, 504 2	7, 351 8, 685 100	6, 387 8, 185 18	
Stocks, total, end of period do At mines do At furnace yards do At U.S. docks do	52, 231 4, 614	75, 035 14, 026 56, 246 4, 763	73, 240 13, 460 55, 167 4, 613	75, 035 14, 026 56, 246 4, 763	73, 533 17, 117 51, 843 4, 573	72, 233 20, 928 47, 186 4, 119	70, 055 24, 978 41, 804 3, 273	68, 485 26, 220 39, 195 3, 070	67, 701 25, 012 39, 381 3, 308	68, 502 23, 002 41, 991 3, 509	69, 691 20, 247 45, 793 3, 651	67, 211 16, 460 47, 224 3, 527	65, 923 15, 739 46, 678 3, 506	63, 523 14, 695 45, 344 3, 484	1	
Manganese (mn. content), general importsdo Pig Iron and Iron Products	1,033	1,053	93	114	70	53	29	48	121	119	62	87	110	49	21	
Pig iron: Production (excluding production of ferroalloys) thous. sh. tons. Consumption	79, 923 1 79, 638 1 1, 435	86, 870 86, 929 1, 513	6, 382 6, 402 1, 491	6, 272 6, 275 1, 513	5, 985 5, 984 1, 530	5, 827 5, 860 1, 520	7, 174 7, 227 1, 505	7, 382 7, 396 1, 526	7, 962 8, 053 1, 508	7, 530 7, 535 1, 526	7,008 7,001 1,564	6, 763 6, 832 1, 573	7 6, 566 7 6, 650 7 1, 530	7 6, 636 6, 753 1, 419	6, 108	
Price, basic furnace	181.76	³ 182. 33	182. 25	182. 25	182.25		178.00	178.00	178.00	178.00	178.00	178, 00	191.00	191.00	191.00	191.00
Orders, unfilled, for sale, end of period thous. sh. tons Shipments, total do For sale Castings, malleable fron:	r 991 r 12, 407 r 6, 397	r 832 r 14, 168 r 6, 859	7 816 1, 160 7 546	834 1, 036 482	883 1,088 479	901 1, 130 507	884 1, 362 629	920 1, 302 632	964 1, 357 660	920 1,425 698	923 1, 106 557	940 1, 276 658	r 870 1, 264 r 632			
Orders, unfilled, for sale, end of period thous. sh. tons Shipments, totaldodo	64 729 431	56 848 491	r 65 69 39	56 63 34	62 66 37	68 66 39	69 80 46	68 69 36	75 69 36	67 72 37	72 58 31	71 73 42	7 70 7 75 7 43	69 77 44		
Steel, Raw and Semifinished	ļ ļ													İ		
Steel (raw): Production thous. sh. tons. Rate of capability utilization* percent. Steel castings: Orders, unfilled, for sale, end of period		1127, 943 80, 9	9, 494 72. 2	9, 215 67. 8	9, 089 66. 8 450	8, 859 72. 1	11,049 81.2	11, 167 83, 3	12, 201 88. 1	11, 384 84. 9	10, 319 76. 7	10, 392 77. 2	10, 050 77, 2	10, 442 77. 7		
thous. sh. tons Shipments, totaldo For sale, totaldo	748 71,974 71,622	7 1,804 7 1,513	424 145 123	432 144 125	137 121	131 116	436 160 139	447 145 123	439 156 133	165 143	444 113 97	131 111	r 152 r 132	154 135		
Steel Mill Products																
Steel products, net shipments: Total (all grades)thous. sh. tons By product:	79, 957	1 89, 447	6, 717	6, 334	6, 459	6, 690	8,750	7, 981	8, 369	8, 811	6, 986	7,737	7, 662	7, 400	7, 188	
Semifinished products. do Seructural shapes (heavy), steel piling do ld Plates do do Rails and accessories do	3, 911 5, 121 8, 761 1, 965	4, 384 4, 187 7, 160 2, 017	319 307 510 182	321 303 540 187	275 299 525 143	295 320 554 141	389 380 750 193	386 374 702 164	385 417 713 175	401 410 719 164	265 339 577 134	311 409 581 145	357 362 587 169	359 334 581 155	321 355 613 140	
Bars and tool steel, total	13, 367 8, 146 3, 666 1, 486	1 14, 234 1 8, 664 1 3, 876 1, 618	1,041 614 291 128	1,013 611 274 122	1,024 624 265 129	1,086 663 281 136	1,425 874 377 166	1,373 834 373 159	1,417 848 397 164	1,514 926 408 173	1,140 642 364 128	1,296 757 372 160	1, 297 775 369 146	1, 297 791 343 155	1, 253 786 314 146	
Pipe and tubing do. Wire and wire products do. Tin mill products do. Sheets and strip (incl. electrical), total do. Sheets: Hot rolled do. Cold rolled do.	8, 228 2, 154 5, 687 30, 763 11, 222 12, 841	6, 265 2, 461 6, 436 42, 303 15, 090 18, 265	456 168 457 3, 279 1, 127 1, 474	460 166 470 2,873 1,037 1,228	437 170 622 2, 963 1, 004 1, 322	528 183 505 3,077 1,113 1,343	679 239 782 3, 913 1, 363 1, 697	614 234 457 3,678 1,292 1,595	625 221 474 3,941 1,412 1,665	677 240 561 4, 124 1, 429 1, 724	625 172 502 3, 233 1, 144 1, 354	677 199 656 3, 463 1, 205 1, 422	654 203 539 3, 493 1, 164 1, 480	657 201 453 3, 363 1, 156 1, 407	639 174 400 3, 292 1, 099 1, 417	
By market (quarterly shipments): Service centers and distributors⊕ do. Construction, incl. maintenance⊕ do. Contractors' products do. Automotive do. Rail transportation do. Machinery, industrial equip., tools do. Containers, packaging, ship. materials do. Other⊕ do.	15, 622 8, 767 3, 927 15, 214 3, 152 5, 173 6, 053 22, 049	4 14, 615 4 7, 508 4, 502 21, 351 3, 056 5, 180 6, 914 4 26, 371		960			3, 492 1, 681 972 5, 324 788 1, 318 1, 971 6, 371			4, 271 2, 161 1, 328 5, 963 869 1, 496 1, 697 7, 374			3, 944 1, 957 1, 148 5, 109 806 1, 324 1, 748 6, 446	² 258 ² 492 ² 481	2 1, 222 2 570 2 367 2 1, 725 2 248 2 484 2 412 2 2, 160	
Steel mill shapes and forms, inventories, end of period-total for the specified sectors:				i												
mil. sh. tons. Producing mills, inventory, end of period: Steel in process	33. 9 10. 0 6. 7	36. 4 12. 2 7. 5	36. 1 12. 2 7. 2	36. 4 12. 2 7. 5	36. 1 12. 2 7. 3	35. 5 11. 9 7. 1	34. 4 11. 1 6. 9	34.7 11.0 7.1	35. 4 11. 2 7. 4	34.8 10.9 7.0	35.5 11.4 7.0	35. 5 11. 5 6. 9	10. 6 7. 1			
period mil. sh. tons. Consumers (manufacturers only): Inventory, end of period do. Receipts during period do. Consumption during period do.	6.7 10.5 58.9 62.1	6. 5 10. 2 62. 6 62. 9	6. 4 10. 3 5. 0 4. 9	6. 5 10. 2 4. 5 4. 6	6. 4 10. 2 4. 8 4. 8	6. 3 10. 2 5. 0 5. 0	6. 3 10. 1 5. 7 5. 8	6. 4 10. 2 5. 8 5. 7	6. 5 10. 3 5. 9 5. 8	6. 4 10. 5 6. 1 5. 9	6. 6 10. 5 4. 6 4. 6	6. 6 10. 5 5. 3 5. 3	10. 1 5. 3 5. 7	10. 1 5. 5	l	

^{*}Revised. **Preliminary. 1 Annual data; monthly or quarterly revisions are not available. **For month shown. 3 Avg. for 8 months; price not available for July-Oct. 1976. *See note "\text{\text{\text{Merican}}}" for this page.

*New series. Source: American Iron and Steel Institute. The production rate of capability utilization is based on tonnage capability to produce raw steel for a full order book

based on the current availability of raw materials, fuels and supplies, and of the industry's coke, iron, steelmaking, rolling and finishing facilities. Data prior to 1975 are not available.

Beginning Jan. 1976, data are not comparable with those for earlier periods since oil & gas supply houses and pipelines, which were formerly shown in "Service centers and distributors" and "Construction, incl. maintenance," respectively, are now included in "Other."

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	6						197	7					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	MI	ETALS	ANI) MA	NUF!	ACTU	RES-	-Con	tinue	d '				1		
NONFERROUS METALS AND PRODUCTS		 	<u> </u>]	1		j								
Aluminum: Production, primary (dom. and foreign ores)	2 050	4.051		400						800	- 001	076	- 2007			
thous. sh. tons Recovery from scrap (aluminum content)do	3, 879 11, 156	4, 251 1, 346	3 87 119	400 106	399 109	352 109	379 124	371 123	382 12 0	369 117	7 381 103	376 116	7 367 119			
Imports (general): Metal and alloys, crudedo Plates, sheets, bars, etcdo Exports:	457. 9 61. 0	568. 7 87. 1	33. 6 6. 5	25. 9 6. 5	15. 8 5. 5	48. 5 5. 0	68. 6 6. 0	59. 3 6. 1	59.8 4.8	74.1 6.8	67. 5 5. 8	75. 9 8. 0	42. 2 8. 0	49. 6 5. 8	54. 5 5. 1	
Metal and alloys, crude do Plates, sheets, bars, etc do do do do do do do do do do do do do	185, 8 r 187, 0	152, 4 222, 1	13. 1 19. 2	12.7 21.0	9. 8 13. 2	10. 6 18. 1	r 8.7 r 21.2	7 12.5 7 20.0	7 4. 4 7 20. 2	6. 7 18. 1	77.9 714.6	9.3 18.7	9. 0 15. 7	2. 9 13. 9	8.9 11.6	
Price, primary ingot, 99.5% minimum\$ per lb	. 3979	. 4449	. 4800	. 4800	. 4800	. 4800	. 4878	. 5100	. 5100	.5100	. 5300	. 5300	. 5300	. 5300	. 5300	
Aluminum products: Shipments: Ingot and mill prod. (net ship.)	9,804 7,427 4,052 1,376	12, 568 9, 716 5, 584 1, 845	960, 9 742, 5 432, 5 160, 6	1,055.6 802.3 494.3 147.6	885. 8 742. 5 422. 5 168. 7	976. 9 752. 7 429. 6 166. 9	1,432.1 1,022.6 606. 3 186. 7	1,204. 6 952. 1 557. 4 166. 2	1,175.1 948.3 541.6 172.8	1,208.4 915. 4 528. 2 176. 5	975. 2 800. 3 472. 3 130. 2	1, 083.8 866. 9 496. 6 165. 2	7 878.3 7 509.3	1072. 7 864. 8 506. 7 174. 4		
Inventories, total (inget, mill products, and scrap), end of period	5, 999	5, 631	5, 689	5, 631	5,804	5,874	5, 648	5, 579	5, 535	5, 452	5, 591	5, 644	r 5, 606	5, 596		
Copper: Production: Mine, recoverable copperthous. sh. tons. Refinery, primarydo From domestic oresdo From foreign oresdo Secondary, recovered as refineddo		1 1,611. 3 11,539.3 11,422. 7 1 116. 6	135. 9 133. 0 121. 1 11. 8 41. 0	138. 4 136. 0 124. 0 12. 0 30. 0	142. 0 125. 5 118. 0 7. 5 30. 0	131. 9 123. 6 114. 4 9. 2 31. 0	159. 0 169. 6 160. 1 9. 5 32. 0	147. 1 166. 2 157. 3 8. 8 36. 0	146. 5 166. 9 156. 4 10. 5 39. 0	138. 6 176. 9 166. 5 10. 4 46. 0	70. 1 46. 2 44. 4 1. 8 24. 0	102. 5 69. 1 66. 3 2. 8 21. 0	7 107. 5 88. 5 85. 1 3. 4	123. 7 118. 2 110. 9 7. 3		
Imports (general): Refined, unrefined, scrap (copper cont.)do	330. 0 146. 8	547. 4	19.1	40.6	39. 2	29. 9	34. 1	49.6	44. 2 28. 6	41. 9	45. 2	49.1	37. 3 31. 7	42.5 r 32.1	43. 8 28. 6	
Refined do Exports: Refined and scrap do Refined do	333. 1 172. 4	384. 1 250. 0 113. 1	10. 4 20. 4 7. 3	26.8 17.1 6.8	26. 8 13. 9 3. 7	21.7 11.1 1.8	17.7 r 14.6 r 3.6	35. 0 r 14. 8 r 5. 2	7 14.7 7 5. 2	36.0 7 36.0 5.2	40.4 • 21.5 • 5.5	39. 7 17. 5 1. 6	22. 0 4. 4	16. 6 4. 6	14.7 5.0	
Consumption, refined (by raills, etc.) do Stocks, refined, end of period do Fabricators' do	1,541 538 177	1,995 651 177	568 152	499 651 177	647 178	668 181	557 666 194	662 220	679 22 6	635 683 248	4 148 656 247	4 211 598 227				
Price, electrolytic (wirebars), dom., delivered \$ per lb_ Copper-base mill and foundry products, shipments (quarterly total):	. 6416	. 6956	.7062	. 6577	. 6624	. 6862	. 7255	. 7439	. 7261	.7120	. 6800	. 6379	. 6062	.6062	. 6062	
Brass mill products	2, 025 2, 056 512	2,517 2,383 547		582 581 142			701 659 145			729 724 155						
Lead: Production: Mine, recoverable leadthous. sh. tons. Recovered from scrap (lead cont.)do		1 609. 5 682. 5	49.7 64.9	51. 2 57. 3	45. 0 54. 3	49. 1 58. 3	56.8 68.2	53, 2 61, 4	48. 4 61. 1	50.5 64.9	3 9. 0 54. 0	52, 1 62, 6	46. 2 65. 7	7 49. 1 62. 6	49. 0	
Imports (general), ore (lead cont.), metaldo Consumption, totaldo	188. 6 1,297.1	224. 6 11, 429. 1	18. 5 122. 5	24. 3 120. 0	19.7 123.4	24. 0 114. 5	22, 3 134, 4	15. 4 126. 9	19.8 121.8	6. 2 126. 2	21. 2 105. 0	39. 8 124. 0	10. 0 133. 5	4. 6 132. 7	9. 2	
Stocks, end of period: Producers', ore, base bullion, and in process (lead content), ABMSthous. sh. tons. Refiners' (primary), refined and antimonial (lead content)thous. sh. tons. Consumers' (lead content) ofdo. Scrap (lead-base, purchased), all smelters (gross weight)thous. sh. tons. Price, common grade, delivered\$ per lb.	191.4 81.3 133.3 87.8 .2153	180. 7 43. 7 110. 1 96. 0 . 2310	187. 2 43. 8 108. 0 95. 6 . 2579	180. 7 43. 7 110. 1 96. 0 . 2582	169. 8 36. 5 104. 2 85. 0 . 2686	173. 2 27. 1 106. 1 84. 0 . 2869	162. 5 22. 7 104. 9 89. 3 . 3100	163. 4 20. 5 101. 6 90. 6 . 3100	158. 0 19. 7 101. 1 89. 0 . 3100	157. 1 14. 5 115. 2 85. 2 .3100	163, 1 13, 2 120, 8 90, 6 , 3100	12. 7 119. 7 90. 5	192.7 11.1 118.2 88.7 .3100	189. 7 13. 5 112. 9 84. 8 . 3102	. 3200	
Tin: Imports (for consumption): Ore (tin content)†	6, 415 44, 365 15, 869 1, 917 55, 800 43, 620	5, 733 45, 055 14, 057 2, 393 67, 567 53, 850	838 3, 484 1, 245 208 5, 950 7 4, 690	1, 346 4, 956 1, 275 193 5, 700 4, 600	2 4,016 1,140 120 5,600 4,400	1,079 4,577 1,275 125 5,500 4,500	522 4, 523 1, 480 150 6, 800 5, 300	499 3, 955 1, 300 150 5, 800 4, 600	497 3, 711 1, 205 135 5, 800 4, 700	2, 429 3, 549 1, 295 155 6, 000 4, 800	4, 084 1, 160 175 5, 200 4, 200	0 4, 406 1, 425 155 5, 800 4, 500	0 3,541 5,900 4,700		607 4, 120	
Exports, incl. reexports (metal)†do Stocks, pig (industrial), end of period†do Price, Straits quality (delivered)*\$ per lb	3, 597 9, 536 3. 3982	2,337 7,282 33.7982	266 7, 213 4.0778	352 7, 282 4, 1817	594 8, 032 4. 6347	606 7, 883 5. 0743	7 667 5, 874 5, 1893	370 6, 175 4. 8007	r 281 5, 644 4, 8861	381 4, 720 4. 8179	r 568 6, 305 5. 1804	5, 557 5, 5637	498 5, 378 5, 5638	594 6. 0794	238 6. 2093	
Zinc: Mine prod., recoverable zincthous. sh. tons. Imports (general): Ores (zinc content)do Metal (slab, blocks)do	145. 0	484. 5 97. 1 714. 5	37. 3 8. 9 52. 4	36. 6 8. 0 62. 5	39. 1 10. 3 34. 0	40. 5 4. 3 37. 8	41.9 7.3 51.6	40. 2 4. 7 60. 8	38. 9 4. 6 52. 1	39. 0 8. 1 36. 2	32. 4 11. 3 43. 5	41. 2 11. 3 55. 4	36. 4 9. 3 42. 2	37. 2 11. 8 47. 1	26.5	
Consumption (recoverable zinc content): Oresdo Scrap, all typesdo	1 82, 7 223, 8	96. 6 202. 3	6.8 15.7	7.1 15.1	6. 3 15. 0	7. 7 15. 2	8. 1 16. 4	8.3 16.4	9.3 16.2	8. 5 15. 8	8.6 15.3	9. 2 15. 8	10.6	7.7		
Slab zinc: \$ Production (primary smelter), from domestic and foreign oresthous, sh. tons. Secondary (redistilled) productiondoConsumption, fabricatorsdoExportsdodoStocks, end of period:	57. 9 925. 3 6. 9	498. 9 63. 6 1, 127. 1 3. 5	37.0 4.2 81.4 .2	41. 4 3. 7 79. 1	42.5 3.1 83.6 .1	36. 8 2. 8 82. 0 0	38.8 4.8 106.2 (²)	40. 2 2. 7 96. 2 (2)	32. 7 4. 5 96. 5 (2)	27. 8 4. 1 100. 4 (²)	23. 6 3. 2 80. 6 (2)	(2)	22. 5 3. 4 96. 0 (2)	31. 1 3. 1 95. 0 (2)	(2)	
Producers', at smelter (ABMS)⊙do Consumers'do Price, Prime Western\$ per lb	107.3	88. 8 111. 8 . 3701	82.7 124.3 .3700	88. 8 111. 8 . 3700	90.5 112.9 .3700	84. 2 105. 2 . 3700	58.9 108.0 .3700	67. 9 116. 7 . 3700	78.9 107.7 .3557	77. 3 89. 1 . 3400	74.9 83.6 .3400		59.7 7 81.9 . 3400	60.3 76.9 .3190		

r Revised. ¹ Annual data; monthly revisions are not available. ² Less than 50 tons. ³ See '**' note. ⁴ For month shown. ♂ Includes secondary smelters' lead stocks in refinery shapes and in copper-base scrap. § All data (except annual production figures) reflect GSA remelted zinc and zinc purchased for direct shipment. ○ Revised Dec. 31 stocks for 1970-73 (thous. tons): 124.2; 48.6; 30.1, 25.9. Producers' stocks elsewhere, end of Nov. 1977, 40,654 tons.

^{*} New series effective with data for Jan. 1976, Source: Metals Week. MW Composite monthly price (Straits quality, delivered) is based on average of daily prices at two markets (Penang, Malaysia—settlement, and LME 3-month—High grade), and includes fixed charges plus dealer's and consumer's 70-day financing costs; no comparable earlier prices are available. † Effective with the Apr. 1977 SURVEY, data are expressed in metric tons (to convert U.S. long tons to metric tons, multiply by factor, 1.01605).

									~							
Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	De
	M	ETAL	S AN	D MA	NUF	ACTU	RES-	-Con	tinue	d						
MACHINERY AND EQUIPMENT																
Jeating, combustion, atmosphere equipment, new orders (domestic), net, qtrly. 9 0	146. 4 43. 6 52. 4	184. 3 35. 8 77. 3		45. 5 10. 7 18. 2	*******		49. 0 12. 6 18. 1			39. 3 17. 0 22. 3			36. 2 18. 5 17. 6			
Material handling equipment (industrial): Orders (new), index, seas. adj1967=100	135.6	167. 5	177.9	198.5	209.7	226. 1	227.7	235. 7	220.6	236. 4	139. 0	206.7				
ndustrial trucks (electric), shipments: Hand (motorized)	15, 063 19, 381 36, 388	15, 786 16, 152 33, 930	1,527 1,629 3,520	1,396 1,618 2,594	1,242 1,678 3,669	1,439 1,660 4,014	1, 569 1, 912 4, 274	1, 385 1, 674 3, 677	1, 351 1, 929 3, 666	1, 676 2, 182 3, 956	1, 011 1, 171 2, 686	1,535 1,844 3,442	1, 705 1, 661 3, 887	1, 760 1, 930 3, 809		
ndustrial supplies, machinery and equipment: New orders index, seas. adjusted1967-69=100	142.3	165. 4	171.9	178.7	187. 6	188. 3	194. 6	201. 7	198.8	199.1	199.5	195. 4	200.0	206. 2	207. 5	
ndustrial suppliers distribution: Sales index, seas. adjusted	165. 2	183. 8	186.8	187.5	191. 2	186. 4	196. 9	205. 0	201.9	207.5	207. 9	218. 6	224. 7	214. 7	212. 3	20
equip., valves, fittings, abrasives, fasteners, metal products, etc.) 1967=100	169. 4	178. 4	182.9	183.7	185. 8	187.5	188. 2	188.7	189. 4	190. 3	192. 0	192.7	193. 6	195.4	196. 3	
Machine tools: Metal cuttling type tools: Orders, new (net), total mil. \$ Domestic do Shipments, total do Domestic do Order backlog, end of period do	780.50 1,878.65 1,548,10	1, 662. 15 1, 476. 60 1, 482. 10 1, 269. 85 1, 242. 4	201.30 191.35 117.10 106.10 1,233.2	171.10 150.50 161.95 145.70 1,242.4	153. 45 139. 70 94. 30 80. 55 1,301.6	135. 35 117. 20 111. 90 99. 50 1, 325. 1	200.20 186.95 129.90 117.50 1,395.4	196.75 188.05 125.25 110.95 1,466.9	199. 70 175. 00 130. 50 118. 20 1, 536. 1	187.25 159.55 155.05 136.50 1,568.2	150.00 124.95 122.40 114.00 1,595.8	147.70 135.95 106.25 97.75 1,637.3	198. 50 174. 40 166. 50 147. 55 1,669.3	150, 55 141, 55	p140.05	
fetal forming type tools: do Orders, new (net), total do Domestic do Shipments, total do Domestic do Order backlog, end of period do	270. 45 212. 65 573. 05 484. 50 218. 6	568. 05 508. 95 577. 55 473. 50 209. 2	43, 85 39, 00 59, 90 46, 60 198, 6	58. 15 53. 50 47. 55 40. 65 209. 2	46. 15 42. 50 50. 75 36. 45 204. 6	56. 55 52. 65 56. 75 50. 65 204. 4	62, 55 53, 00 53, 30 49, 15 213, 6	55. 15 51. 35 51. 50 45. 70 217. 3	66. 25 60. 10 55. 20 50. 65 228. 3	70.00 62.30 67.20 64.30 231.1	70. 05 64. 50 45. 25 41. 55 225. 9	102.95 97, 35 38, 70 34, 05 320, 2	53, 65 50, 80 44, 95 41, 10 328, 9	74.85 751.55 747.15	₽ 59, 80 ₽ 60, 05	
ractors used in construction, shipments, qtrly: Tracklaying, totalunits	20, 453	19, 533		4, 321			4,963			5, 368	 			3 1, 891		
Wheel (contractors' off-highway) units	1,111.5 4,592 289.6	1,025.7 3,772 238.3		248. 6 813 49. 5			267. 8 1, 119 69. 8			291.1 1,263 84.2			265. 2	3 109. 0		.
Tractor shovel loaders (integral units only), wheel and tracklaying typesunits_	37, 956	34, 543		7,628			10,827			11,619						.]
mil.\$ ractors, wheel, farm, nonfarm (ex. garden and construction types), ship., qtrlyunits mil. \$ mil. \$	1, 132. 7 224,259 2, 321. 5	975. 7 207,036 2,451. 5		222, 9 43,112 522, 3			322. 4 60, 072 785. 5			361. 9 60, 039 770. 2	İ			³ 19, 795 ³ 272. 1		
ELECTRICAL EQUIPMENT																
atteries (autotype replacement), shipthous_	42,582	49, 203	5,052	5, 460	4,909	4, 314	3, 947	3, 183	3, 302	3, 513	3, 280	5, 079	5, 685	6, 060	5, 190	
adio sets, production, total marketthous elevision sets (incl. combination models), production, total marketthous	34, 516 10, 637	44, 102 14, 131	1	² 3, 526 ² 1, 216	2, 697 1, 103	2, 738 1, 141	² 3, 832 ² 1, 346	2, 935 1, 203	3, 391 1, 255	² 3, 684 ² 1, 431	4, 404 1, 127	5, 853 1, 068	² 7, 209 ² 1, 653	4, 891 1, 380	5,061 1,366	² 6, ² 1,
fousehold major appliances (electrical), factory shipments (domestic and export) ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	1 24, 292 2, 670 2, 702 2, 080 1 2, 082 4, 577 2, 457 2, 457	25, 800	r 2, 125 r 95. 5 r 301. 5 r 192. 1 r 208. 4 330. 7 r 82. 9 345. 0 295. 3	1,714 186.9 245.3 202.4 187.5 289.5 81.3 277.1 217.8 2,490.9	1,967	2, 179 253, 4 272, 0 228, 7 193, 4 374, 6 107, 1 406, 6 292, 2	4 2, 903	4 2, 506 488. 1 235. 7 225. 5 215. 5 419. 9 114. 9 361. 5 241. 5	4 2, 580 440.8 255.5 229.1 242.3 456.7 136.2 404.9 246.3	* 3. 036 393. 4 327. 8 256. 4 288. 9 659. 1 196. 3 465. 4 291. 3	4 2, 556 411. 1 202. 5 228. 4 222. 9 525. 0 194. 8 361. 8 246. 3	4 2, 828 106. 0 311. 9 274. 2 290. 2 599. 2 207. 8 495. 2 330. 2	4 2, 732 91. 3 276. 4 270. 8 285. 2 565. 7 142. 9 467. 9 375. 6	4 2, 647 101. 8 339. 1 272. 0 277. 7 461. 4 97. 1 413. 6 343. 5	4 2, 529 152, 8 321, 1 271, 9 280, 1 435, 4 77, 4 385, 0 329, 2	
GAS EQUIPMENT (RESIDENTIAL)																
urnaces, gravity and forced-air, shipments thous anges, total, sales do attraction day attractio	1, 186 1, 618 2, 645	1, 554 1, 824 3, 112	132, 6 136, 1 240, 4	125, 1 152, 4 251, 5	129, 2 113, 6 249, 9	118, 5 133, 7 273, 7	127. 9 170. 0 296. 9	120, 9 142, 5 298, 8	99. 5 151. 8 286. 2	116. 8 161. 3 288. 4	102. 8 118. 9	128. 3 146. 6	144. 0 161. 3	7 152, 9 7 142, 8	№125.7 №148.5	
	1	PETI	ROLE	UM,	COAl	L, AN	D PR	ODU	CTS		•	•	•	•		
COAL nthracite:			<u> </u>		1											
Production ‡ thous. sh. tons.	6, 20 3 640	1 6,228 615	r 493 56	475 23	405 36	435 42	600 59	500 18	550 84	575 26	400 64	6 05 55	550 94	7 550 60	600 75	
Price, wholesale, chestnut, f.o.b. car at mine \$ per sh. ton. ituminous: thous. sh. tons		46, 428	46. 428		46. 550	46. 550 50, 365	46. 550 65, 020	46, 550 58,893	46. 550 60,799	46, 650 61,078	46, 650 47, 785	46. 579 55, 920	46. 579 65, 505	46. 579 64. 415	46, 579 65, 545	46. 32.
Revised. p Preliminary. Annual data; n	onthly of		v revision	s not av	ail.				hown sei					, 07, 710	. 00,020	, 0,

r Revised. P Preliminary. 1 Annual data; monthly or quarterly revisions not avail. 2 Data cover 5 weeks; other periods, 4 weeks. 3 For month shown. 4 Includes U.S. produced and imported microwave ovens and combination microwave oven/ranges as follows: 1976—Nov. 256,000; 1977—Nov. 262,300; products do not add to total shipments (which also includes compactors and dehumidifiers not shown separately) because of overlapping product categories.

⁹ Includes data not shown separately. ‡Monthly revisions back to 1973 are available upon request. ⊙ Effective 1976, data reflect additional reporting firms.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	6						197	77					
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	PETR	OLEU:	M, C	OAL,	AND	PRO	DUC	rsc	ontin	ued						
COAL—Continued	1]	1	j	1]									-
Bituminous—Continued † Industrial consumption and retail deliveries, total ?	403, 249 145, 746	597, 479 445, 750 144, 817 84, 324	51, 320 38, 178 12, 401 6, 901	55, 642 40, 950 13, 521 6, 941	57, 052 43, 094 12, 808 6, 408	50, 776 37, 524 12, 522 6, 274	50, 238 37, 145 12, 568 7, 043	46, 888 33, 851 12, 456 6, 806	50, 015 37, 023 12, 566 6, 991	52, 294 39, 940 11, 987 6, 807	57, 287 44, 797 12, 109 6, 679	55, 627 43, 957 11, 344 6, 164	51, 342 40, 008 10, 923 5, 883	50, 936 38, 220 12, 185 6, 335		
Retail deliveries to other consumersdo	27, 282	6,900	740	1, 170	1, 150	730	525	580	425	365	380	325	410	530		
Stocks, industrial and retail dealers' end of period, total	109, 707 17, 175	133, 673 116, 554 16, 879 9, 804	134, 117 117, 322 16, 585 9, 605	133, 673 116, 554 16, 879 9, 804	118, 080 103, 883 14, 067 8, 107	114, 387 101, 065 13, 182 7, 463	122, 584 107, 374 15, 055 9, 025	129, 830 113, 631 16, 059 9, 898	137, 518 120, 358 17, 000 10, 625	144, 269 125, 399 18, 695 12, 035	137, 462 121, 052 16, 210 9, 815	136, 832 121, 249 15, 393 9, 043	144, 953 127, 723 16, 990 10, 410	158, 164 137, 165 20, 724 12, 599		
Retail dealersdodo	}	240	210	240	130	140	155	140	160	175	200	190	240	275		
Exports do Price, wholesale Index, 1967=100	65,669 387.0	59, 406 367. 5	5, 451 368. 0	4, 625 373. 0	2, 143 375. 3	3, 079 376. 5	3, 390 378, 0	5, 639 3 79. 1	5, 673 386, 1	6, 019 389. 7	5, 158 3 92. 2	4, 279 393. 7	5.037 394.4	4, 871 397. 0	4, 489 399. 4	401.6
COKE Production:			 													
Beehive thous sh. tons Oven (hyproduct) do Petroleum coke \$ do Stocks, end of period:	² 727 56, 494 25, 848	605 57, 728 26, 029	42 4,752 2,099	55 4, 751 2, 211	49 4, 412 2, 135	37 4, 273 2, 005	37 4,696 2,239	36 4, 672 2, 183	26 4,819 2,222	38 4, 686 2, 206	38 4, 642	36 4, 259	36 4, 087			
Oven-coke plants, total do At furnace plants do At merchant plants do Petroleum coke do		6, 487 6, 173 314 2, 127	5, 799 5, 539 261 2, 081	6, 487 6, 173 314 2, 127	6, 970 6, 660 310 2, 184	7, 247 6, 953 294 2, 282	7, 297 7, 005 292 2, 300	7, 054 6, 765 290 2, 383	6, 749 6, 514 235 2, 434	6, 481 6, 247 234 2, 432	6, 531 6, 309 221	6, 292 6, 084 208	6, 213 6, 023 190			
Exportsdo	1, 273	1,315	90	32	91	51	108	108	95	160	126	136	(4)	4 159	142	
Crude petroleum: Oil wells completed	² 16, 408 245. 7 4,709. 3 86	17, 020 253, 6 5, 081, 4 89	1, 291 264. 4 437. 3 90	1, 512 264. 4 457. 0 91	1, 391 262. 9 453. 6 89	1, 321 274, 2 425, 6 93	1,817 270.0 456.3 90	1, 405 271. 0 438. 5 89	1, 382 271. 0 462. 8 89	1.720 271.8 458.0 91	1, 304 270, 8	1, 400 273. 1		1, 562 278. 6	1, 785 282. 9	288, 1
All oils, supply, demand, and stocks:	E 074 0		720.0	#F0 #	FGC 1	E40.7	E90 0		566.0	557.3		•				
New supply, total ## mil. bbl. Production: Crude petroluem \$\frac{1}{2}\$do. Natural-gas plant liquidsdo.	3, 056. 8	6, 242. 6 2, 971. 7 601. 0	532.8 241.3 49.7	559. 1 248. 2 50. 8	566. 1 241. 5 49. 2	549. 7 225. 9 45. 8	589. 0 248. 7 53. 7	554. 0 242. 4 51. 5	248. 3 52. 0	241. 2 50. 1					 	
Imports: Crude and unfinished oilsdo Refined products ‡do	1, 511, 2 699, 2	1, 946. 9 723. 1	179. 1 62. 7	184. 8 75. 4	196. 0 79. 3	186. 9 91. 1	206. 7 79. 9	204. 2 56. 0	212. 4 53. 4	210. 6 55. 5						
Change in stocks, all oils (decrease, -)do	3 11.8	-21.1	23.0	-69.0	-46.9	-14.4	36.3	34. 2	50.2	23.9		1	1		Į.	i
Demand, total ‡do	6, 033. 9	6, 465. 7	575.8	644.3	640.9	578. 5	566.1	533.8	534.7	548.2						
Exports: Crude petroleumdododo	2. 1 74. 3	2.9 78.7	9.5	1. 1 7. 6	. 4 5. 5	1.7	1.0 5.4	6.2	2.8 6.2	.3 6.5						
Domestic product demand, total \$\frac{1}{2}dododododododo	5, 957. 5 2, 450. 3	6, 384. 1 2, 567. 2 61. 8	565. 4 212. 2 6, 5	635.7 222.2 9.4	634.9 201.2 11.1	572.0 194.1 7.4	559, 7 215, 0 4, 4	527. 1 221. 5 3. 5	525. 8 219. 2 3. 2	541. 5 229. 3 2. 9						
Distillate fuel oil ‡	898.6	1, 145. 6 1, 019. 6 361. 4	111. 4 97. 6 29. 4	144. 2 111. 8 31. 8	158. 4 116. 0 32. 7	132. 0 102. 5 29. 0	106. 0 97. 6 32. 3	88. 3 85. 7 30. 6	86. 1 84. 3 30. 8	83.3 88.6 29.7		ł				
Lubricants ‡ do Asphalt do Liquefied gases do	147. 4	55. 7 146. 8 514. 0	4. 5 11. 2 52. 4	4. 6 6. 1 59. 6	4.4 5.0 59.8	3, 5 5, 3 53, 6	5, 9 8, 1 42, 0	4. 7 9. 9 36. 8	5. 3 14. 9 36. 2	5. 3 19. 8 37. 1						
Stocks, end of period, total do Crude petroleum do Unfinished oils, natural gasoline, etc do Refined products do	271. 4 113. 7	1, 111. 8 285. 5 118. 6 707. 7	1, 180. 8 298. 8 120. 5 761. 5	1, 111. 8 285. 5 118. 6 707. 7	1, 064. 9 294. 0 112. 1 658. 8	1,050.5 291.4 108.5 650.6	1, 086. 8 299. 5 113. 6 673. 8	1, 121. 0 318. 6 116. 2 686. 2	1, 171. 2 328. 6 122. 5 720. 2	1, 195. 1 333. 6 124. 6 736. 9						
Refined petroleum products: Gasoline (incl. aviation): Production	2, 393, 6	2,517.0 1.3 234.3	209. 3 (1) 230. 5	223.5 .2 234.3	215. 8 . 3 255. 5	191. 6 . 1 258. 1	214. 0 (1) 264. 7	210. 2 (1) 261. 5	216. 8 . 1 265. 3	215. 8 (1) 259. 1	 -					
Prices (excl. aviation): Wholesale, regularIndex, 2/73=100. Retail (regular grade, excl. taxes), 55 cities (mid-month)\$ per gal.	211.8	233. 6	243.8	242. 2	239.9	240.4	245. 6 . 496	249.5	254. 5 . 510	258.9	261. 2 . 517	260. 5	259.6	257. 5	256. 3 , 513	255. 8
Aviation gasoline: Production	13.7	13.3 .2 2.8	1.1 (1) 2.8	1.0 (1) 2.8	.8	,7 (1) 2.6	1. 2 (1) 2. 6	1. 1 (1) 2. 6	1.3 (1) 2.8	1.4						
Kerosene: Productiondodo Stocks, end of perioddo Price, wholesale (light distillate) Index, 1967=100	55. 7 15. 6 285. 6	55.7 12.5 312.3	4. 9 14. 4 320. 2	6.9 12.5 323.2	7. 9 10. 5 325. 6	7.1 11.7 339.2	5. 5 13. 6 346. 6	3. 8 14. 1 351. 7	3.7 15.0 355.0	4. 2 16. 8 357. 2	360. 5	362. 8	-}	374.9		381. 2

r Revised. Less than 50 thousand barrels. Reflects revisions not available by months. Not comparable with data for earlier periods because stocks cover 100 additional terminals beginning Dec. 1974. Oct. includes exports for Sept. Includes data not shown separately. Includes nonmarketable catalyst coke.

S-36		SUR	VEY	OF (CURI	RENT	BUS	SINE	SS					J	anuar	y 197
Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976 🕫	1970	5						1977	7				+	
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
	PETR	OLEU	JM, C	OAL,	AND	PRO	DUC	TS(Conti	nued						
PETROLEUM AND PRODUCTS-Continued																
Refined petroleum products—Continued Distillate fuel oil: Production	968. 6 56. 7 . 3 208. 8	1,070.2 52.5 .4 186.0	95. 4 4. 0 (2) 223. 7	100. 9 5. 5 (2) 186. 0	104. 6 10. 8 (2) 143. 0	103. 7 18. 6 (2) 133. 3	98. 6 16. 1 (2) 141. 9	90. 0 4. 6 . 1 148. 3	96. 9 3. 1 (2) 162. 2	178. 9			İ			
Index, 1967=100 Residual fuel oil: Production mil. bbl Importst do Exports do Stocks, end of period do Price, wholesale Index, 1967=100	309. 4 451. 0 446. 5 5. 3 74. 1 495. 5	337. 0 504. 0 511. 7 4. 2 72. 3 452. 9	73.3	349. 8 54. 9 55. 5 . 1 72. 3 480. 4	359. 0 58. 6 49. 5 .1 64. 7 492. 3	369. 4 54. 6 54. 4 . 2 71. 4 523. 1	377. 8 53. 2 43. 9 . 1 71. 2 533. 1	384. 0 50. 6 33. 7 .1 70. 2 545. 9	387. 0 51. 8 35. 5 . 2 73. 4 544. 0	386. 8 51. 4 35. 4 .1 71. 9 524. 5	388. 7	388. 8 	388. 9 	389. 1 522. 1		
Jet fuel: Productionmil. bbl. Stocks, end of perioddo	318. 0 30. 4	335. 8 32. 1		27. 9 32. 1	28. 4 30. 2	27. 3 30. 5	29. 6 30. 7	29. 7 32. 4	30. 4 33. 6	29. 9 34. 7						
Lubricants: do Production.	56. 2 9. 1 14. 3	61. 8 9. 5 12. 3	.9	5. 4 . 9 12. 3	5, 0 , 7 12, 3	4. 7 . 7 13. 0	5. 5 . 8 12. 0	5.3 1.0 11.6	5. 6 . 9 11. 4	5. 3 . 9 10. 6	'	!			1	.
Asphalt: Productiondo Stocks, end of perioddo	144. 0 22. 8	139. 7 19. 4		8. 5 19. 4	6. 5 20, 9	7. 6 23. 3	10. 3 25. 6	11. 0 26. 7	13. 7 25. 8	16. 4 22. 5						
Liquefied gases (incl. ethane and ethylene): Production, total	444. 1 113. 4	561. 9 437. 4 124. 6 116. 3	37. 1 9. 9	48.3 37.8 10.6 116.3	46. 3 36. 3 10. 0 98. 9	42. 9 33. 5 9. 4 86. 5	48. 7 38. 4 10. 2 91. 2	47. 4 37. 3 10. 1 98. 6	49. 8 37. 4 12. 3 109. 9	46. 8 35. 9 10. 9 119. 3						
		PULP	, PAP	ER,	AND	PAPE	R PF	RODU	CTS							
PULPWOOD AND WASTE PAPER		1	1		ļ											
Pulpwood: Receipts	65, 456 65, 421 6, 571	73, 583 73, 209 6, 805	6,069	5, 897 5, 571 6, 445	5, 818 6, 373 6, 180	6, 176 6, 005 6, 247	6, 595 6, 562 6, 331	6, 244 6, 436 6, 046	6, 480 6, 568 6, 127	6, 530 6, 489 6, 194	6, 091 6, 054 6, 141	6, 485 6, 396 6, 302	5, 899 6, 524	6, 454 6, 537 6, 454		
Waste paper: Consumptionthous, sh. tons. Stocks, end of perioddo	10, 367	12, 103 772	829 721	772 772	825 709	815 718	939 732	890 714	931 682	918 701	803 698	920 679	r 840 r 680	924 650		
WOODPULP	1,583 329,213 1,951 4,351	1,400 333,615 2,079	138 2, 813 189 411	3, 336 112 2, 438 169 337	3,753 139 2,758 180 360	3, 850 120 2, 741 174 402	4,112 152 3,026 191 390	3, 999 127 2, 986 172 376	4, 148 139 3, 086 190 386	4, 083 124 3, 053 186 382	3, 791 98 2, 839 164 362	4, 026 135 3, 001 167 387	3, 668 110 2, 738 153 358	4,051 93 3,067 169 381		-
Stocks, end of period: Total, all millsdo. Pulp millsdo Paper and board millsdo Nonpaper millsdo	5 1, 158 - 519 - 552	⁵ 1, 344 ⁵ 656	1, 133 670 395	1, 344 656 623 65	1,020 605 354 62	1, 045 593 390 63	1, 132 640 424 69	1, 132 644 415 72	1, 145 664 413 69	1, 175 677 424 75	1, 185 693 412 80	1, 188 714 397 77	1, 098 642 392 64	1, 063 624 380 59		-
Exports, all grades, total do Dissolving and special alpha do All other do	12,565 692 11,872		60	210 54 156	184 53 131	236 76 160	236 65 172	246 84 162	270 80 191	206 57 150	213 58 155	212 63 150	266 83 183	170 56 114	50	
mports, all grades, total	_ 140	188	11	303 17 286	281 17 263	334 8 326	359 14 345	306 19 287	304 21 283	385 18 366	281 10 271	350 17 332	286 5 282	288 14 274	374 19 356	
PAPER AND PAPER PRODUCTS																
Paper and board: Production (Bu. of the Census): All grades, total, unadjustedthous. sh. tons. Paper	23, 306 24, 452 115 4, 648	27, 966 136	2,190 2,280 10	2,066 2,028 8	4,861 2,222 2,239 8 383	4, 682 2, 135 2, 168 7 372	5, 432 2, 425 2, 502 9 496	2,399	2,357 2,509 9	5, 287 2, 340 2, 460 9 478	4,715 2,108 2,157 6 443	5, 416 2, 397 2, 475 9 535	72,222	5, 238 2, 348 2, 377 9 504		
Book paper, A grade 1967=100 Paperboard do Building paper and board do	170.3		178.5 141.8		174. 6 144. 8	144.5	145.9		151.3	153.8	157.8	162.4	166.7		168.3	3 17

r Revised. p Preliminary.
1 Reported annual total; revisions not allocated to the months.
2 Less than 50 thousand barrels.
3 Beginning with January 1975, data for soda combined with those for sulphate; not comparable with data for earlier periods.

^{173.5 172.6 174.5 179.9 179.5 180.6 180.4 180.1 177.8 174.2 171.1 144.5 145.9 148.8 151.3 153.8 157.8 162.4 166.7 168.8 168.3 170.4} ⁴ Beginning March 1975, data for defibrated or exploded, screenings, etc., not available; not comparable with those for earlier periods. ⁵ Data exclude small amounts of pulp because reporting would disclose the operations of individual firms. [‡]Monthly revisions back to 1974 are available upon request.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	77					
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
	PULP.	PAP	ER, A	ND I	PAPE	R PR	ODU	CTS-	Cont	inued						
PAPER AND PAPER PRODUCTS-Con.																
elected types of paper (API): Groundwood paper, uncoated: Orders, newthous. sh. tons Orders, unfilled, end of perioddo Shipmentsdo	1, 245 172 1, 189	1,300 151 1,278	95 150 103	103 151 104	99 131 107	98 134 98	106 138 106	113 142 107	112 151 108	120 167 103	112 168 111	121 178 115	107 180 105	110 173 112		
Coated paper: Orders, newdo Orders, unfilled, end of perioddo Shipmentsdo	7 3, 166 7 313 7 3, 194	3, 956 337 3, 981	297 345 338	327 337 332	362 363 331	333 369 331	374 363 382	360 388 343	346 387 350	365 383 365	319 383 317	396 400 383	r 358 r 408 r 357	r 369 r 394 r 372	331 376 360	
Uncoated free sheet papers: Orders, new	r 5, 481 r 5, 648	6, 354 7 6, 793	504 + 540	528 • 523	555 • 559	557 r 553	635 r 649	591 r 603	557 + 597	571 - 604	518 + 550	565 • 621	542 7 580	r 578 r 627	559 597	
Orders, unfilled, end of period doShipments doTissue paper, production do	r 3, 312 3, 979	r 3, 839 4, 186	315 359	300 340	320 363	324 340	350 374	307 360	330 371	331 3 74	292 342	323 r 373	322 + 340	332 366	305 360	
Newsprint: Canada: Production	7, 679 7, 727 95	8, 915 8, 712 299	794 813 350	718 769 299	733 653 379	690 648 420	726 734 412	732 729 416	755 747 424	760 768 416	721 730 408	783 757 434	713 738 408	840 856 392	835 810 416	
United States: Production	3, 614 3, 613 21	3, 686 3, 678 29	322 321 36	282 289 29	323 312 41	291 285 47	333 321 58	306 299 64	323 324 63	330 333 59	307 306 60	336 331 65	293 300 58	332 334 55	322 327 51	
Consumption by publishers. do Stocks at and in transit to publishers, end of periodthous. sh. tons.	6, 363 734	6, 534 921	595 906	575 921	529 873	483 896	572 897	563 873	599 831	556 835	524 8 3 2	539 851	561 827	628 800	620 763	
Importsdo Price, rolls, contract, f.o.b. mill, freight allowed or deliveredIndex, 1967=100.	5, 847 184. 0	6, 569 198, 2	662 205. 3	594 207. 6	468 209. 4	500 209. 4	599 216. 7	495 216. 7	530 216. 7	608 216. 7	483 216. 7	558 21 6. 7	532 216, 7	552 216. 7	610 216. 7	216
Paperboard (American Paper Institute): Orders, new (weekly avg.)thous. sh. tons. Orders, unfilled§do Production, total (weekly avg.)do	479 1,031 476	552 1,070 547	542 1, 088 561	385 1,070 471	528 1,089 504	553 1,097 561	596 1, 189 581	580 1, 217 585	598 1, 208 599	577 1, 182 580	506 1, 220 501	546 1, 148 572	518 1, 135 515	578 1,146 568	548 1, 132 550	4 9
Paper products: Shipping containers, corrugated and solid fiber shipmentsmil. sq. ft. surf. area	194,329	216,371	18,097	16,672	16, 189	17,656	19,783	18, 956	19, 377	19,505	17, 251	19, 694	20,002	19, 711	19, 285	17,8
Folding paper boxes, shipmentsthous. sh. tonsmil. \$		2,592. 0 1,979. 0	210.8 165.6	227. 1 177. 4	207.5 163.0	197.6 157.2	231. 0 182. 3	206. 1 163. 9	219. 5 176. 0	220, 0 176, 8	183. 3 148. 4	r 228. 0 r 185. 4		7 232. 5 7 189. 8	214. 2 171. 6	
		RU	BBER	ANI	RUI	BBER	PRO	DUC	rs							
RUBBER														į		
Vatural rubber: Consumptionthous. metric tons. Stocks, end of perioddo Imports, incl. latex and guayulethous. lg. tons		730, 73 141, 84 712, 90		59. 43 1 141.84 68. 80	67, 27 1119, 92 70, 19	68, 50 1 127.04 55, 61	77. 57 1 123.77 82. 29		67, 66 1119, 10 49, 98	72.06 1123.91 71.16		73. 47 136. 14 49. 28	76. 27	73. 20		
Price, wholesale, smoked sheets (N.Y.)\$ per lb	. 299	. 395	. 430	. 400	.408	.408	. 416	. 406	. 408	. 396	. 391	. 399	. 448	. 443	. 438	
ynthetic rubber: Production	1,937.85 2,022.43 369.86	2, 303. 75 2, 175. 26 458. 12	206.33 211.87	210. 92 200. 56 1 458.12	203. 95 216. 92 1 441. 37	193. 03 202. 68 431.81	213. 07 238. 09 407.62	204. 80 200. 42 412.85	211. 45 220. 14 1409.35	201. 84 206. 75 1402. 18	191. 32 159. 78 1 430.43	198.83 210.53 430.31	205, 554 211, 288 422, 325			
Exports (Bu. of Census)thous. lg. tons	214. 50	267.99	19.86	21. 13	19. 11	20.97	24. 34	21. 48	22, 06	20.78	24, 72	14.86	26. 14	14.59	13, 80	
keclaimed rubber: Productionthous. metric tons. Consumptiondo Stocks, end of perioddo	78. 23 100. 22 10. 18	78. 46 81. 89 16. 81	8. 31 8. 44	8. 43 8. 10 1 16. 81	6, 74 9, 78 1 15, 95	6. 77 8. 96 1 15. 83	7.90 9.68 1 16.66	7. 02 9. 78 1 16. 26	6.75 9.40 1 13.99	7.34 8.83 1 14.78	6. 24 8. 04 15. 51	7. 62 9. 86 15. 97	7.94 12.84 15.34			
TIRES AND TUBES																
neumatic casings, automotive: Productionthous	186,705	187, 953	18, 827	20,194	² 20, 6 3 8	20,094	22, 640	20,087	19, 512	20, 734	15, 050	19, 495	19, 321	18, 926		-
Shipments, total do Original equipment do Replacement equipment do Exports do	142,706	210,702 60,138 145,869 4,695	16, 873 5, 419 11, 064 391	16, 466 6, 241 9, 731 494	² 16,773 ² 5,835 ² 10,496 ² 442	16,609 4,838 11,282 489	21, 022 6, 423 14, 020 579	20, 530 5, 766 14, 313 451	19,790 5,828 13,501 461	22, 758 6, 511 15, 742 504	17, 177 4, 474 12, 298 404	18, 262 4, 425 13, 400 436	20, 558 5, 750 14, 383 425	20, 247 6, 124 13, 818 304		.
Stocks, end of period	50, 020 6, 124	34,768 4,784	30, 200 3 97	34,768 519	² 39,010 483	43, 212 546	45, 616 637	45, 832 618	46, 231 504	44, 887 525	43, 460 514	45, 229 448	44, 542 544	43, 841		
nner tubes, automotive: Production	32, 584 34, 581 9, 212 3, 998	27.548 33,304 5,106 3,167	2, 461 2, 281 4, 912 249	2,362 2,315 5,106 357	253	186	240	229	285	193	190	127	170			

r Revised. ¹ Producers' stocks are included; comparable data for earlier periods will be shown later. ² Beginning Jan, 1977, data cover passenger car and truck and bus thres; motorcycle tires and tires for mobile homes are excluded.

♂As reported by publishers accounting for about 75 percent of total newsprint consumption. § Monthly data are averages for the 4-week period ending on Saturday nearest the end of the month; annual data are as of Dec. 31.

Unless otherwise stated in footnotes below, data	1975	1976	19	76						197	77					
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
***	•	STON	E, CI	AY,	AND	GLAS	SS PF	RODU	CTS	<u></u>						<u> </u>
PORTLAND CEMENT					1											
Shipments, finished cementthous.bbl.	1367,436	r1387,410	31,686	23, 165	13, 963	20, 910	31, 346	35, 713	40, 197	45, 090	40, 537	45, 521	41,952	43 , 207	34, 548	
CLAY CONSTRUCTION PRODUCTS																
Shipments:‡ Brick, unglazed (common and face)																
mil. standard brick. Structural tile, except facingthous, sh. tons Sewer pipe and fittings, vitrifieddo	6,261.9 79.5 1,189.9	7,034.4	617.0 3.7	489.4	296.6 2.6	437. 9 3. 4	687.8 3.4	727.3 4.3	782. 4 4. 1 113. 6	792. 6 4. 7 127. 8	700. 0 4. 7 109. 3	812. 3 4. 2 113. 7	740.9 4.4 99.4	750. 5 4. 0 97. 2		
Facing tile (hollow), glazed and unglazed mil. brick equivalent.	73.4	1,097.8 64.8	86.4 4.7	62.5 4.3	45. 5 3. 3	65. 8 2. 9	102. 3 5. 5	107. 2 5. 6	5. 6	5.8	5.3	5. 3	6.4	5. 6		l
Floor and wall tile and accessories, glazed and unglazedmil. sq. ft	251.7	276. 7	23. 1	21, 7	18.9	21.6	22.6	22.8	23.8	25. 9	22.7	27.9	r 26. 9	25, 8		
Price index, brick (common), f.o.b. plant or N.Y. dock 1967=100	160. 5	177.0	184. 6	185. 9	188. 2	191.6	194.8	195.8	198. 2	201. 4	207.8	209. 2	212, 2	214. 2	215. 7	215.7
GLASS AND GLASS PRODUCTS				İ	İ										Ì	
Flat glass, mfrs.' shipments thous. \$ Sheet (window) glass, shipments do Plate and other flat glass, shipments do	467,994 76,229 391,765	644, 751 101, 739 543, 012		171, 412 24, 532 146, 880			165,553 (⁸) (⁸)]]
Glass containers: thous. grossthous.	283, 055	302,500	24,211	21, 020	22, 636	24,292	28,109	24, 433	25, 686	27,059	26,481	29, 515	21, 251	r25,842	26,825	
Shipments, domestic, totaltdo	279, 022	292,345	21,804	22,943	22, 177	22,456	34,176	21, 161	23, 869	26,526	24,472	35, 382	1	21,577	23,530	ĺ
Narrow-neck containers: Fooddodo	25, 266	25,727	1,486	1,727	2, 244 4, 352	2, 115	3,060 7,142	1,567	1,925	2, 155	1,633	3, 289	1,987	r 1, 482 r 4, 429	1,620 5,054	
Beer doLiquor and wine do	64, 418 76, 835 23, 406	65, 093 81, 938 22, 674	4,926 5,925 1,986	5,736 6,070 2,004	5, 909 1, 813	4, 608 5, 890 1, 709	9,074 2,849	4,521 7,670 1,630	5, 450 8, 452 1, 787	6, 697 8, 794 1, 939	6, 218 8, 434 1, 551	8, 451 10, 179 2, 685	4, 902 7, 574 1, 821	7 6, 515 7 1, 978	6,613	
Wide-mouth containers: Food (incl. packer's tumblers, jelly glasses, and fruit jars) † ○thous. gross	59, 287	61,504	4,820	4,712	4,784	5, 049	7,897	3, 471	4, 025	4, 502	4, 324	7, 363	5,015	r 4, 692	4,956	
Narrow-neck and Wide-mouth containers: Medicinal and toiletdo Chemical, household and industrialdo	25,775 4,035	30, 798 4, 611	2,357 304	2,373 321	2,736 339	2, 744 341	3, 687 467	2, 171 231	1,997 233	2, 150 289	2, 039 273	2, 998 417	2, 226 303	7 2, 214 7 267	2,730 270	
Stocks, end of period!do	37,666	42,800	45,039	42,800	41,932	43,266	36,408	40, 414	41, 613	42,077	43,019	37, 253	33, 976	r 38, 433	41, 504	
GYPSUM AND PRODUCTS	ļ				1											
Production: Crude gypsum (exc. byproduct)_thous. sh. tons_Calcineddo	19,751 19,181	111,980 111,036	1, 160 919	1,132 927	940 863	952 843	1, 092 1, 046	1, 121 1, 002	1, 134 1, 020	1, 151 1, 044	1, 124 1, 032	1, 186 1, 072	1, 187 1, 048			
Imports, crude gypsumdo	5, 448	6, 231	572	591	533	284	541	515	565	771	600	792	720			.
Sales of gypsum products: Uncalcineddo	1 4, 878	5,030	445	476	312	276	348	459	502	572	528	585	566			
Calcined:	000	205				-	000	07	077	00		0.5	20			
Industrial plastersdo Building plasters: Regular basecoatdo	1	305 162	27 11	23	23	10	28 14	27 12	27 12	26 13	10	25 12	30 12	į .		1
All other (incl. Keene's cement)do	360	329	27	23	20	22	27	25	25	29	27	32	28			
Board products, total mil. sq. ft_Lath dodo	10, 804 182	184	14		949 11		1,382 17	1, 201 13	1, 281 17	1,380 15	1, 262 14	1, 421	10]		
Veneer basedo Gypsum sheathingdo Regular gypsum boarddo	292 198 8, 214		32 24	31 23 900	23 19	24 20	38	29 28 917	35 26	40 31 1,055	36 23 970	41 24 1, 102	39 25 1, 032	1		.}
Type X gypsum board do Predecorated wallboard do	1, 790 127		876 174 15	183 13	723 160 13	799 161 14	1,061 214 21	190 24	981 202 19	219	198 20	217	206			.[
	1	1	<u> </u>	1	<u>!</u>	ROD		<u> </u>	1	1		<u> </u>		<u> </u>	<u> </u>	<u> </u>
FABRIC (GRAY)																
Knit fabric production off knitting machines (own use, for sale, on commission), qtrly*mil. lb. Knitting machines active last working day*_thous.	1,955.8	1, 790. 9 43. 5					7 419. 4 7 35. 7			7 454. 3 7 35. 6						
Woven fabric (gray goods), weaving mills:		10.440									210	707	2.052			
Production, total 9mil. linear yd_ Cottondo Manmade fiberdo	4.326	10, 448 4, 450 5, 913	769 327 436	2 923 2 371 2 545	781 344 431	817 352 457	2 1, 057 2 448 2 600	792 341 443	820 348 471	2 1, 027 2 432 2 585	613 251 356	785 315 462	2 953 2 387 2 558			-
Stocks, total, end of period $Q \sigma$ do do do do do do do do do do do do do	1,099 489	1, 203 431	1, 203 429	1, 203 431	1, 210 426	1, 213 425	1, 196 425	1,180 415	1, 153	1, 212 388	1,205 380		1, 062 345			
Manmade fiberdo Orders, unfilled, total, end of period $Q = 0$ do	605 2,590	767 1,830	770 1,912	767 1, 830	778 1,766	781 1,770	766 1,991	760 2,113	767 1,980	817 1, 905	819 1,839	748 1,722	712 1,728			-
Manmade fiberdo	. 1, 144	789 1,008	796 1,086	789 1,008	772 993	753 1,017	869 1,081	921 1,149	846 1, 134	794	765 1,074	698 1, 023	742 985			
COTTON Cotton (excluding linters):																
Production: Ginnings△thous, running bales.	38, 151	10,348	7,658	9,887	10, 251		10, 348				. 85	695	2, 366	7,502	11,722	13, 63
Crop estimatethous. net weight bales (D. Consumptionthous. running bales.	38,301.6 6, 142	10,580.6	501	3 582		-	410,580.4 2 653	6	507	2 616	395	492	² 606	512		8
Stocks in the United States, total, end of period ? thous. running bales.	9.544	9, 610	10, 297	9, 610 9, 581			6,642	5,570	4,571	3,496	2, 920 2, 909	16, 139 16, 127	14, 798 14, 787	14, 680 p14, 671		-
Domestic cotton, total do On farms and in transit do Public storage and compresses do Consuming establishments do	945 7,431	1,247 7,377	10, 266 3, 498 5, 912 856	1, 247 7, 377	1,009 6,709	944 5,777 1,072	787 4,707 1,124	563 3,815 1,172	375 3,005 1,174	126 2, 264 1, 093	75 1,787 1,047	13, 389 1, 773 965	11, 270 2, 638 879	^p 7, 608 ^p 6, 219 ^p 844		
r Revised. ^p Preliminary. ¹ Annual total; quarters. ² Data cover 5 weeks; other months	revisions	not allocat	ted to th	ne month	18 or 1975	‡M Mar	onthly re	visions l	ack to 1	975 for sh	nipments	of clay o	eonstruct neludes é	ion prod	ucts and	for Jan

r Revised. Preliminary. Annual total; revisions not allocated to the months or quarters. Data cover 5 weeks; other months, 4 weeks. Crop for the year 1975. Crop for the year 1976. Beginning 1st Qtr 1977, data no longer available. Dec. 1 estimate of 1977 crop. Beginning 1st Qtr 1977, data exclude garment lengths, trimming, and collars; not comparable with earlier data.

(DBales of 480 lbs. Olncludes data for "dairy products."

*New series. Source: BuCensus. Data cover warp and weft knit yard goods and knit garment lengths, trimmings, and collars; no quarterly data prior to 1974 are available.

fMonthly revisions back to 1975 for shipments of clay construction products and for Jan.—Mar. 1975 for glass containers will be shown later. Q Includes data not shown separately. o Stocks (owned by weaving mills and billed and held for others) exclude bedsheeting, toweling, and blanketing, and billed and held stocks of denims.

¶Unfilled orders cover wool apparel (including polyester-wool) finished fabrics; production and stocks exclude figures for such finished fabrics. Orders also exclude bedsheeting, toweling, and blanketing. △Cumulative ginnings to end of month indicated.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975 1976		1976		1977											
the 1975 edition of BUSINESS STATISTICS		mual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TEXTILE PRODUCTS—Continued								<u></u>								
COTTON AND MANUFACTURES—Con.			1	Ī	Ī	Ī	1	1								
Cotton (excluding linters)—Continued Exportsthous. running bales_ Importsthous. net-weight⊕bales_	3,840 50	3, 431 96	265 0	376 1	354 2	509	536	548	400	462	282 18	181	200	149	333	
Price (farm), American uplandcents per lb- Price, Strict Low Middling, Grade 41, staple 34 (11/16"), average 10 marketscents per lb-	. 1 51.1	64. 7 773, 4	65. 2 76. 5	63. 1 73. 1	62.3	63. 9 72. 2	69.8	67. 8	70.6	61.1	63. 1 58. 2	60.9 52.5	59. 1 49. 3	53. 1 49. 1	48.0	p 48. 8
Spindle activity (cotton system spindles): Active spindles, last working day, totalmil	17.1	16.8	16.9	16.8	16.7	16.8	16.9	17.0	16.8	16.8	16.8	16.5	16.5	16.6		
Consuming 100 percent cotton do Spindle hours operated, all fibers, total bil. Average per working day do	8. 0 93. 2 . 352	7.5 105.6	7.4 7.8 .390	7.5 29.0 .359	7. 4 8. 0 . 402	7.3 8.2 .412	7. 2 2 10. 3 . 413	7. 1 8. 2 .410	7. 0 8. 3 . 417	7. 0 2 10. 2 . 406	7. 0 6. 7 . 334	6. 8 8. 1 . 405	6.8 r 2 9.8 r. 392	6.8 8.2 .411		
Consuming 100 percent cottondo	46.5	48.1	3.4	24.0	3.5	3.5	² 4. 4	3.5	3.5	2 4.2	2.8	3.3	2 4. 1	3.4		
Cotton broadwoven goods over 12" in width: Production (qtrly.)mil. lin. yd_ Orders, unfilled, end of period. as compared with	4, 095	r 4, 718		r 1, 129			1,207			1, 147						
avg. weekly productionNo. weeks' prod Inventories, end of period, as compared with	3 12.3	3 13. 2	11.3	12.0	10.8	10.5	11.5	12.7	11.6	11.0	14.4	10.6	11.3	11.1	10.0	
avg. weekly production No. weeks' prod Ratio of stocks to unfilled orders (at cotton	35.9	3 4.7	4.9	5.0	4.6	4.7	4.5	4.9	4.7	4.7	6.1	4.6	4.3	4.4	4.6	
mills), end of period Exports, raw cotton equiv thous, net-weight()bales Imports, raw cotton equivalentdo	3.50 488.3 487.1	3.36 556.0 718.3	. 43 45. 6 57. 7	53. 2 52. 4	42.8 47.7	51. 6 50. 2	. 39 47. 1 46. 9	.38 47.2 41.2	36. 9 43. 7	36.5 44.2	29. 4 39. 6	31.0 42.7	.38 40.2 48.1	24.8 35.5	26, 3 32, 3	
MANMADE FIBERS AND MANUFACTURES		110.0														}
Fiber production, qtrly: Filament yarn (acetate) mil. lb_ Staple, incl. tow (rayon)do	301. 3 370. 9	286.9 475.4		60. 3 121. 4			71. 9 135. 5			74. 8 136. 7			69. 7 132. 7			
Noncellulosic, except textile glass: Yarn and monofilamentsdodo	43,197.2	3, 286. 5		829.9			882.3			981.8			923. 4			
Staple, incl. towdo Textile glass fiberdo Fiber stocks, producers', end of period:	2,676.8 546.5	3, 319. 2 676. 0		833.3 176.1			892. 0 160. 5			931.7			898. 7 208. 9			
Filament varn (acetate) mil. lb. Staple, incl. tow (rayon) do	18.6 51.2	18. 1 30. 0		18. 1 30. 0			15. 4 40. 6			14.0 41.8			13. 1 48. 0			
Noncellulosic fiber, except textile glass: Yarn and monofilamentsdo Staple, incl. towdo	4 280. 6 234. 7	299. 8 289. 0		299. 8 289. 0			293. 2 300. 5			298. 8 301. 0			356. 0 315. 2			
Textile glass fiberdo Manmade fiber and silk broadwoven fabrics:	101.7	79.4		79. 4			57.0			57. 6			61.2			
Production (qtrly.), total?mil. lin. yd Filament yarn (100%) fabrics ?do Chiefly rayon and/or acetate fabricsdo	5, 278. 3 1, 688. 0 325. 3			1,458.8 467.7 96.4			1,553.8 497.9 94.0			1,569.1 510.8 93.4						
Chiefly nylon fabricsdo Spun yarn (100%) fab., exc. blanketing γ .do	279.0 3,036.5	356.8 53,500.4		89. 6 840. 0			96. 2 899. 8			97. 9 907. 4						
Rayon and/or acetate fabrics, blendsdo Polyester blends with cottondo Filament and spun yarn fabricsdo	172.4 2,359.5 257.1			42.6 647.8 83.8			53.3 694.1 88.3			74. 6 675. 7 84. 4						
Manmade fiber gray goods, owned by weaving mills:																
Ratio, stocks to unfilled orders, end of period Prices, manufacturer to mfr., f.o.b. mill:* 50/50 polyester/carded cotton printcloth, gray.	3.33	3,30	. 38	.40	. 47	. 49	.44	.40	.42	.45	.45	. 46	. 42			
48", 3.90 yds./lb., 78x54-56\$ per yd- 65% poly./35% comb. cot. broadcl., 3.0 oz/sp yd,		8.416	. 414	. 409	. 398	. 385	. 389	. 400	. 399	.388	. 396	. 393	. 405	. 424	. 441	. 438
45", 128x72, gray-basis, wh. permpresfin. \$ per yd Manmade fiber knit fabric prices, f.o.b. mill.*		. 725	. 760	. 768	. 771	.759	.760	. 764	. 765	. 754	. 750	. 750	.741	.741	. 727	. 727
65% acetate/35% nylon tricot, gray, 32 gauge, 54", 3.2 oz./linear yd\$ per yd\$ per yd\$ 100% textured polyester DK jacquard, 11 oz./		. 412	. 341	. 343	. 345	. 350	. 383	. 419	. 420	. 446	.450	. 440	. 438	. 445	. 435	. 435
linear yd., 60", yarn dyed, finished\$ per yd Manmade fiber manufactures:	ļ	6 1.846	1.824	1.696	1.741	1.789	1.819	1.846		1.695	1.662	1.668	1.642	1.642	1. 609	1.674
Exports, manmade fiber equivalentmil. lbs Yarn, tops, thread, cloth	323. 73 188. 43 142. 89	352. 17 201. 92 139. 17	31. 33 18. 12 11. 83	32. 12 18. 95 11. 65	27. 67 16. 50 10. 64	30. 77 18. 97 10. 56	34. 18 20. 02 11. 82	32.02 18.07 11.68	31.77 18.34 11.22	31.55 17.59 11.19	29. 36 15. 82 9. 42	27. 08 13. 92 9. 36	35. 02 18. 55 11. 88	25. 81 14. 11 9. 60	27.50 14.64 9.97	
Cloth, woven do Manufactured prods., apparel, furnishings do Imports, manmade fiber equivalent do	135, 30 400, 38	150. 25 479. 32	13. 21 40. 68	13. 17 34. 55	11.16 34.20	11.79 32.55	14.17 37.00	13. 95 7 36. 29	13.43 r 43.86	13.96 , 59.03	13.54 54.82	13. 16 7 55. 44	16.48 51.85	11. 63 r 46. 69	12.86 37.57	
Yarn, tops, thread, cloth do Cloth, woven do Manufactured prods., apparel, furnishings_do	69. 23 54. 02 331. 14	83. 82 64. 41 395. 49	7. 45 5. 64 33. 22	7. 53 5. 66 27. 02	7. 57 5. 25 26. 63	7. 38 4. 40 25. 17	9. 19 5. 15	7.50 4.95 * 28.80	8.72 5.18 r 35.14	9.98 5.81 r 49.06	10.36 5.74 7 44.46	13.05 7.87 r 42.39	7 10, 91 6, 56 7 40, 95	9. 31 5. 76 r 37. 38	6. 09 4. 14 31. 48	
Apparel, total do Knit apparel do	289. 00 194. 89	343, 25 209, 80	28. 61 17. 42	22. 58 11. 42	22. 59 11. 81	21. 50 11. 49	27. 81 23. 18 13. 65	r 24. 22 r 14. 47	7 30. 83 7 19. 73	7 43. 31 7 27. 52	7 39. 96 7 24. 76	7 37. 13 7 22. 94	r 36. 34 r 21. 96	, 32. 68 , 20. 13	27. 22 16. 28	
WOOL AND MANUFACTURES Wool consumption, mill (clean basis):			Ì									ł				
Apparel class mil. lb Carpet class do	94. 1 15. 9	106.7 15.1	6.9	² 9. 0 ² 1. 5	8. 2 1. 2	8.3 1.1	² 10.0 ² 1.5	7.9 .9 5.1	7. 7 1. 1	2 9. 5 2 1. 3	5. 2 . 6	7. 4 1. 1	² 8, 6 ² 1, 1	8.4		
Wool imports, clean yielddodo Duty-free (carpet class)do Wool prices, raw, shorn, clean basis, delivered to	33. 6 17. 0	58. 0 18. 9	3. 3 1. 3	4. 4 1. 6	5. 2 1. 6	5. 0 2. 0	4.7 1.4	5. 1 1. 7	7. 4 2. 6	7. 4 2. 5	4.0 1.9	4.7 1.5	2. 4 . 6	2.2		
U.S. mills: o' Domestic—Graded territory, 64's, staple 234"	150.0		100.5	107 5	107.5	107.5	100.5	100 ~	100.5	182, 5	100.5	100.5	100.5	100 5	182. 5	100.0
and upcents per lb Australian, 64's, Type 62, duty-paiddo Wool broadwoven goods, exc. felts: Production (qtrly.)mil. lin, yd	150. 2 205. 8 78. 9	182. 1 6 217. 5	192.5 224.0	187. 5 227. 3	187. 5 229. 0	187.5 227.3	182. 5 227. 6 26. 2	182. 5 228. 3	182. 5 228. 0	226.3	182. 5 227. 0	182. 5 224. 0	182. 5 227. 0	182. 5 227. 0	230. 5	182. 0 226. 5
FLOOR COVERINGS	10.0	97.3		21, 0			20.2									
Carpet, rugs, carpeting (woven, tufted, other), ship- ments, quarterlymil. sq. yds	834.0	r 921. 1		232, 6			224, 9			r 248. 4			244. 5			
APPAREL	304.0	721.1		202. 0	•		244. 7			W AU. T			411.0			
Women's, misses', juniors' apparel cuttings:* Coatsthous. units Dressesdo	20, 876 174,695	20, 689 170,744	1,902 12,592	1,406 10,353	1, 187 13,473	1, 185 15,114	1, 087 18,524	1,078 16,570	1, 285 14,317	1,744 14,533	1,524 11,486	7 2, 044 7 13, 687	1,974 12,827	1,912 12,749		
Blousesthous. do	34, 468 18, 971	34, 050 19, 735	3, 208 1, 605	$3,144 \\ 1,627$	3, 402 1, 540	3, 448 1, 540	3,488 1,829	2,697 1,765	3, 064 1, 647	3, 019 1, 748	2, 264 1, 320	r 2, 935 r 1, 706	2,803 1,632	2,996 1,611		
Skirtsdo	4,692	4, 929	415	312	450	443	568	481	474	466	373	f 477	425	434		

^{**}Revised. **p Preliminary. ** Season average. ** For 5 weeks, other months, 4 weeks. ** Monthly average. ** Effective Sept. 1976 Survey, data omit production and stocks of saran and spandex yarn. ** Effective 1976, production of blanketing is included in 100% spun yarn fabric (prior to 1976, in "fall other group," not shown separately). ** Ave. for May-Dec. ** Average for sales prior to Apr. 1, 1977. ** Avg. for Feb.-Dec. ** Based on 480-lb. bales, ** price reflects sales as of the 15th; restated ** price reflects total quantity purchased and dollars paid for entire month (** price includes discounts and premiums). ** Q** Includes data not shown separately. ** (**DNet-weight (480-lb.) bales.

The street of the street of the price formerly designated fine good French combing and staple have been changed as shown above. Effective with the May 1976 Survey the foreign wool price is quoted including duty.

*New series. Apparel (BuCensus)—Annual totals derived from firms accounting for 99% of total output of these items; current monthly estimates, from smaller sample. Monthly data for 1975, adjusted to annual totals, are available. Coats exclude all fur, leather, and raincoats. Suits omit garments purchased separately as coordinates. Except for the year 1974, earlier monthly data are available, except for suits. Prices (USDL, BLS)—Data not available prior to 1976.

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76	1977											
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
TEXTILE PRODUCTS—Continued																
APPAREL—Con. Men's apparel cuttings: Suitst	a 11, 544 118, 944 10, 940 32, 645	a 16, 224 a 12, 874 132, 163 11, 732 r 36, 797 240, 918	1, 265 1, 130 9, 996 822 2, 953 19, 719	1, 133 1, 153 8, 185 1, 004 2, 653 18, 157	1, 225 1, 161 9, 923 941 2, 908 17, 369	1, 361 1, 140 11, 676 1, 188 2, 981 18, 115	1, 460 1, 316 12, 780 1, 425 3, 127 21, 399	1, 462 1, 046 11, 806 1, 316 2, 550 18, 505	1, 355 1, 038 11, 986 1, 367 2, 816 18, 737	1, 329 1, 087 11, 734 1, 429 2, 959 21, 618	868 833 8, 633 1, 163 2, 129 19, 820	1, 398 1, 151 10, 085 1, 269 2, 882 24, 084	1, 565 1, 349 10, 682 1, 500 2, 875 23, 283			
TRANSPORTATION EQUIPMENT																
AEROSPACE VEHICLES																
Orders, new (net), qtrly, total mil. \$ U.S. Government do Prime contract do Sales (net), receipts, or billings, qtrly, total do U.S. Government do	18,593 26,647	30, 363 19, 083		11,029 6,956 9,658 7,485 5,099			6,554 4,069 5,692 7,588 4,950			9,719 5,309 8,967 8,537 5,185						
Backlog of orders, end of period \(\text{Q} \) do U.S. Government do Aircraft (complete) and parts do Engines (aircraft) and parts do Missiles, space vehicle systems, engines, propulsion units, and parts mil. \(\text{M} \) Other related operations (conversions, modifica-	35, 038 22, 168 15, 389 3, 503 6, 415	6, 286		39,682 22,121 17,321 3,558 6,286			38, 668 23, 260 16, 071 3, 733 6, 000			39,850 23,384 17,750 3,614 5,741						1
tions), products, services	4, 967. 6 60, 480 1 3, 200	5,542 4,646.8 50,314 13,207	431. 6 4, 037 223. 0	5, 542 529. 5 5, 405 420. 6	210. 8 2, 498 69. 6	217. 9 2, 794 63. 7	5, 654 411. 6 4, 254 286. 8	374. 7 4, 007 267. 9	458. 3 5, 578 218. 7	5, 657 490, 0 4, 817 287, 3	325, 6 3, 212 165, 3	335. 7 3, 578 176. 6	403. 7 3, 813 170. 6	565. 2 4, 741 434. 5	180.0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1		766. 1 701. 5 840 721 119 9. 8 8. 1 1. 7 1, 423 1, 455 2. 2	732. 7 679. 1 807 695 112 11. 3 9. 7 1. 6 1, 465 1, 512 1. 9	683. 7 635. 8 725 602 123 10. 5 8. 8 1. 7 1, 594 1, 594 2, 1	675. 7 625. 8 811 666 144 11. 0 9. 1 1. 9 1, 645 1, 539 2. 0	953. 1 871. 5 1, 084 896 189 12. 2 10. 3 1, 9 1, 697 1, 578 1, 8	815. 5 741. 5 1,029 822 207 11. 8 9. 4 2. 5 1,697 1,583 2. 0	868. 3 794. 0 1,054 834 220 11. 5 8. 9 2. 5 1,747 1,602 2. 2	951. 4 885. 4 111. 7 920 198 11. 7 9. 6 2. 1 1. 806 1, 627 2. 0	679. 5 645. 2 913 731 182 10. 9 8. 7 2. 2 1, 763 1, 751 2. 4	505. 4 473. 5 931 727 204 11. 5 9. 4 2. 1 1, 563 1, 668 2. 1	738. 9 671. 2 829 657 172 10. 5 8. 6 1. 9 1, 669 1, 718 2. 4	2 870. 7 1, 014 870 144 11. 0 9. 1 1. 8 1, 629 1, 683 2. 2	881 738 144 10.5 8.4 2.1 1,709 1,718 2.4	2 648. 3 2 648. 3 2 795 646 2 149 2 11. 5 9. 3 2 2. 2 1, 731 1, 794 2. 3
Exports (BuCensus), assembled carsthousTo CanadadoImports (BuCensus), complete unitsdoFrom Canada, totaldoGegistrations©, total new vehiclesdoImports, incl. domestically sponsoreddo	2,074.7	680. 46 573. 47 2, 536. 7 825. 6 4 9, 752 4 1, 447	69, 38 56, 88 208, 02 75, 51 4 762, 7 4 130, 3	60.75 44.33 227.08 74.23 4 845.6 4 124.5	50, 21 40, 56 210, 59 62, 01 4 726, 0 4 110, 2	47.06 39.32 201.76 75.11 4717.2 4126.8	84.01 74.33 259.60 98.71 3 826.2 3 149.3	65. 18 54. 55 246, 25 91. 49 5 916. 7 5 175. 9	88. 62 79. 98 240. 46 80. 83 51,007.3 5 202. 9	67. 56 60. 08 265. 85 93. 77 51,041.6 5 198. 9	38. 70 32. 35 231. 57 63. 26 31,005.0 3 173. 9	27. 85 23. 39 210. 38 35. 17 51,018.6 5 200. 8	58. 61 49. 42 199. 95 54. 72 3 912. 5 3 198. 6	70. 95 58. 61 225. 28 61. 04 3 859. 1 3 137. 8	51. 61 41. 93 242. 62 71. 31 5 781. 7 5 122. 8	
Trucks and buses: Factory sales (from U.S. plants), totalthous_ Domestic Retail sales, seasonally adjusted:* Light-duty, up to 14,000 lbs. GVWdo Medium-duty, 14,001-26,000 lbs. GVWdo Heavy-duty, 26,001 lbs. and over GVWdo Retail inventories, end of period, seasonally adjusted*thous_ Exports (BuCensus), assembled unitsdo Imports (BuCensus), including separate chassis and bodiesthous_ RegistrationsO, new vehicles, excluding buses not produced on truck chassisthous	2, 272 2, 003 2, 076. 0 168. 9 106. 1 485. 7 223. 47 466. 28 4 2, 397	2, 979 2, 734 2, 762. 8 161. 7 119. 6 546. 4 199. 63 812. 83 4 3, 058	242. 4 222. 3 221. 4 12. 6 10. 5 549. 3 14. 67 67. 54	243.3 221.5 243.2 12.7 10.5 551.4 18.26 64.09	251. 8 230. 9 263. 0 14. 1 13. 0 563. 5 17. 11 67. 27	261.8 241.2 270.6 14.4 12.8 555.5 14.99 68.54	334.8 307.3 290.9 17.0 14.0 568.2 20.18 77.55	288. 4 266. 2 263. 0 14. 4 14. 4 565. 3 15. 46 75. 56	290. 4 269. 2 240. 5 14. 3 15. 3 585. 6 18. 63 68. 94	316. 2 290. 9 252. 9 15. 1 14. 8 590. 1 19. 55 64. 49	264. 6 245. 4 224. 4 13. 7 13. 7 630. 0 19. 10 52. 53 3 298. 4	274. 4 256. 9 261. 3 13. 3 14. 6 676. 5 15. 48 58. 75 5 313. 4	305. 4 280. 3 248. 9 12. 7 14. 0 689. 4 14. 95 62. 20	2 323. 9 280. 6 15. 0 15. 3 719. 5 15. 68 78. 27 4 282. 6	2 286. 8 270. 8 13. 5 14. 5 735. 6 16. 52 67. 02 270. 9	
Truck trailers and chassis, complete (excludes detachables), shipmentsnumber	78, 296 43, 596 18, 072 2, 936	105, 401 61, 726 7, 316 5, 678	10, 223 6, 125 504 1, 199	9, 548 5, 617 822 1, 148	8,756 5,552 625 1,565	11,145 7,057 746 1,447	13,203 8,429 420 1,349	12,788 8, 256 450 1, 606	13, 547 8, 205 753 1, 744	14,856 8,560 679 1,519	12,785 7,343 564 1,035	15, 184 9, 598 653 1, 761	715, 296 79, 728 605 2, 222	15, 038 9, 523 576 2, 087		
RAILROAD EQUIPMENT Freight cars (new), for domestic use; all railroads and private car lines (excludes rebuilt cars and cars for export): Shipments	1 65, 870 1 33, 457 1 32, 032	1 52, 504 1 45, 618 1 36, 048 1 30, 546 23, 415 18, 733 1, 332 8.8 97. 71 73. 37	4, 103 3, 680 2, 494 2, 494 24, 839 20, 077 1, 339 8, 9 99, 08 74, 01	4,774 4,293 3,462 3,061 23,415 18,733 1,332 8,8 97,71 73,37	3, 401 3, 048 4, 291 3, 891 24, 202 19, 463 1, 328 8, 9 98, 63 74, 27	3, 344 2, 852 3, 548 3, 448 24, 316 19, 969 1, 324 8, 9 99, 43 72, 91	5, 321 4, 834 3, 578 3, 578 22, 642 18, 782 1, 323 8, 8 98, 48 74, 36	3, 604 3, 327 3, 956 22, 703 19, 120 1, 319 8, 9 98, 22 74, 46	4, 982 4, 459 6, 334 6, 234 24, 082 20, 922 1, 312 8, 9 97, 91 74, 62	4, 899 4, 582 7, 461 7, 286 26, 663 23, 545 1, 310 8, 6 97, 96 77, 75	3, 432 3, 146 6, 073 6, 073 29, 411 26, 579 1, 305 8, 7 97, 67 74, 85	4. 370 3. 887 4, 412 29, 216 26, 867 1, 302 8. 6 97. 56 74. 94	5, 232 4, 699 5, 376 4, 976 29, 343 27, 127 1, 299 8, 7 97, 46 75, 05	3, 896 3, 452 5, 673 3, 173 30, 973 26, 701 1, 294 8, 7 97, 19 75, 13	4, 053 4, 053 30, 757 27, 017 1, 290 8, 8	

r Revised. p Preliminary. ¹ Annual total includes revisions not distributed by months. ² Estimate of production, not factory sales. ³ Excludes 2 States. ⁴ Excludes 3 States. ⁵ Excludes 3 States. ⁶ Excludes 3 States. ⁷ Annual figures, "Apparel 1975," MA-23A(75)-1. Survey expanded and classification changed; not comparable with data prior to 1974. ⁹ Total includes backlog for nonrelated products and services and basic research. ⁹ States add, data (1971-74) in the Mar. 1976 SURVEY, p. 5, do not reflect end-digit revisions to imports and total sales introduced in the Feb. 1977 SURVEY. ADomestics include U.S.-type cars produced in the United States and Canada; imports

cover foreign-type cars and captive imports, and exclude domestics produced in Canada. ©Courtesy of R. L. Polk & Co.; republication prohibited. §Excludes railroad-owned private refrigerator cars and private line cars. *New series. Source: Motor Vehicle Manufacturers Assn. of the U.S. (seas. adjustment by BEA). Reporting firms do not represent the entire industry. Motor coaches are not covered. Sales include imports of U.S. manufacturers only (all other imports are not covered). Units refer to complete vehicles and to chassis sold separately. Gross vehicle weight refers to the weight of the vehicle with full load. Seasonally adjusted monthly data back to 1971 are available. *Excludes leisure-type; not strictly comparable with 1974.

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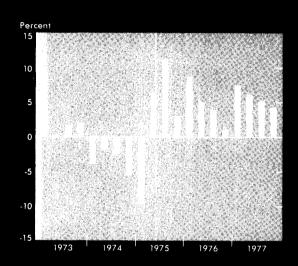
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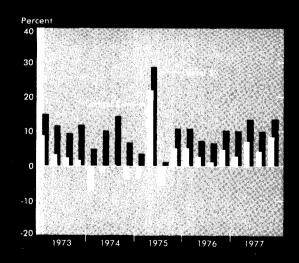
In the fourth quarter

- Real GNP increased at 4 percent compared with 5 percent in the third quarter
- GNP prices increased at 6 percent-more than in the third quarter
- ullet Real disposable personal income increased at $8\frac{1}{2}$ percent compared with $4\frac{1}{2}$ percent in the third quarter

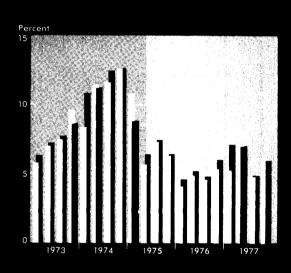
Real GNP



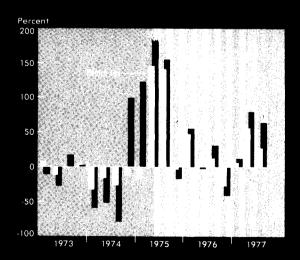
Disposable Personal Income



GNP Prices



Corporate Profits With IVA and CCAdj



Percent change from preceding quarter—seasonally adjusted at annual rates.