JANUARY 1978 / VOLUME 58 NUMBER

SURVEY OF CURRENT BUSINESS



INITED STATE PARTMENT OF COMMERCE / BUREAU OF ECONOMIC AN

SURVEY OF CURRENT BUSINESS

CONTENTS

THE BUSINESS SITUATION	1
National Income and Product Tables	8
Plant and Equipment Expenditures: Year 1978	17
Regional Patterns of Change in Nonfarm Income in Recession and Expansion	19
Effects of Selected Changes in the Institutional and Human Environment Upon Output Per Unit of Input	21
Errata—Gross Nonfarm Business Product	44

CURRENT BUSINESS STATISTICS

S1-S25 General

Industry S25_S40

Subject Index (Inside Back Cover)

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SURVEY OF CURRENT BUSINESS. Published monthly by

Survey of Current Business. Published monthly by the Bureau of Economic Analysis of the U.S. Department of Commerce. Editorial correspondence should be addressed to the Editor-in-Chief, Survey of Current Business, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C. 20230.

Annual subscription \$19.00 domestic, \$23.75 foreign. Single copy \$1.60 domestic, \$2.00 foreign.

Subscription prices and distribution policies for the Survey and other Government publications are set by the Government Printing Office, an agency of the U.S. Congress. Mail subscription orders and address changes to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Make checks payable to Superintendent of Documents.

Second-class postage paid at Washington, D.C. and at additional mailing offices.

The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 1, 1980.

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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).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

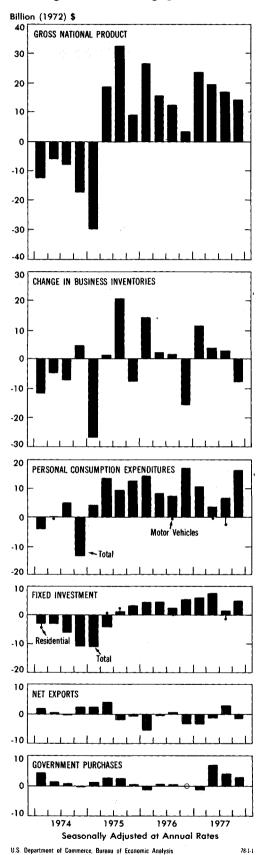
Table 1.—Gross National Product in Current and Constant Dollars, 1977

		Cu	rrent dolla	dollars													
		Billions of dollars												Percent change from preceding period			
	Year	I	II	III	IV	Year	I	11	111	IV	Year	I	11	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, 95 3 . 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)			rcent cha riod (qua			
	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	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. 4 136. 5	138. 6 144. 0 176. 2 133. 6	140. 9 147. 3 180. 2 135. 4	142. 8 148. 2 183. 3	144. 4 148. 8 186. 2 139. 3	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			Chang	e from p	receding	quarter				
	1976		19	77			19	77					
	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	п	ш	IV
Real gross product Hours	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

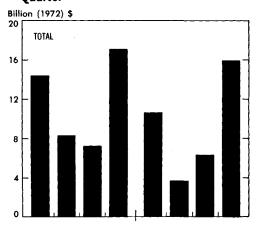
[Quarters at seasonally adjusted annual rates]

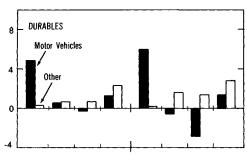
								,								
		Cu	rrent dolla	rs		Constant (1972) dollars										
					Billions	of dollars					Percent change from preceding period					
	Year	I	II	III	IV	Year	ı	II	III	IV	Year	I	п	III	IV	
Personal consumption expenditures	1, 210, 1	1,172.4	1,194.0	1, 218. 9	1, 255, 3	860.3	850.4	854.1	860.4	876.4	4.8	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 parts Other 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 3 64. 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	

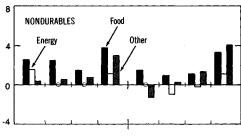
Gasoline and oil, and fuel oil and coal.
 Electricity and gas.

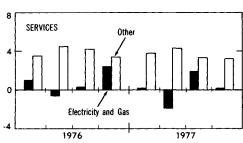
CHART 2

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
Personal income	44.6	40, 4	32, 6	50.7
Wage and salary disburse- ments	28.1 10.3 1.0 8.1 6.3 2.3	29. 6 10. 5 5. 9 6. 0 4. 7 2. 4	18. 0 4. 1 1. 5 3. 9 5. 1 3. 4	28. 2 7. 5 1. 2 6. 3 6. 9
Farm proprietors' income	4. 1	-1.0	-4.2	6.6
Transfer payments	5, 5	5	5.7	3.8
Other	6.9	12.3	13. 1	12, 1

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.

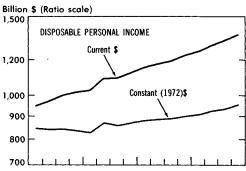
Farm proprietors' income increased \$6½ billion, after a decline of \$4 billion in the third quarter. Deficiency payments on the target-price provisions of wheat under the Food and Agriculture

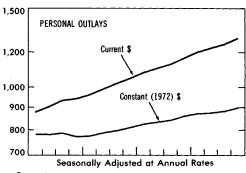
Act of 1977 accounted for \$2½ billion of the fourth-quarter increase. The remainder of the swing was traceable to changes in cash receipts that were were only partly offset by changes in production expenses. Largely reflecting crop prices, receipts had declined sharply in the third quarter and made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

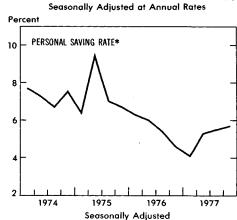
The increase in personal taxes in the fourth quarter was much larger than in the third—\$8½ billion (annual rate) compared with \$1½ billion (table 7). Most of the step-up was in Federal individual income taxes, which increased \$7 billion, after no change in the third

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

Table 7.—Personal Tax and Nontax Payments, 1977

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

	1	II	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	1.6

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.

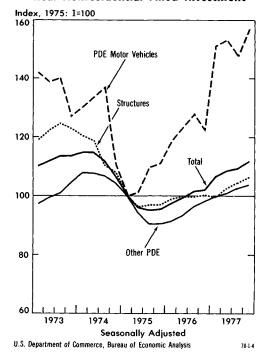
Investment

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]

		Cu	rrent dolla	rs		Constant (1972) dollars										
					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	175, 6 120, 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 п Ш IVш \mathbf{II} ш w Year Π IV Year Year Government purchases of goods and 6.1 4.1 395, 0 390, 6 413, 6 271.1 263, 3 270.0 274, 0 276, 8 -1.910,6 374.9 400.9 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 8.9 101.4 97. 0 101.1 104.1 5.0 -.3 145. 4 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 pr	eceding o	juarter			
					1977						
	I	п	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 62. 0 28. 6	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 .5	4.5 2.2 2.3 5.5 9.1	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

	1		19	976		1	977				19	976		19	977	
	1976	1977 >	III	IV		II	1111	IV »	1976	1977 »	III	Iv	I	l II	1111	IV P
	13.0	1377		٠		<u> </u>	1	1		1011		1	1	<u> </u>	<u>!</u>	1
				Seasonal	ly adjust	ed at an	nual rate	es 	ļ	<u> </u>	<u> </u>	Seasonal	ly adjust	ed at an	nual rat	es
			Bill	lions of c	urrent do	ollars			<u> </u>		В	illions of	1972 doll	ars		
Table	1.—G	ross Na	ational	Produ	ict in (Currer	nt and	Const	ant Do	llars (1.1, 1.2	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	1,094.0	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 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 51 3 . 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 Nonfarm Farm	. 14.9	17.8 17.5 .3	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	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	104. 1
Table 2.—Gross Na	tional :	Produc	et by N	lajor '	Гуре о	f Prod	uct in	Curre	nt and	Const	ant De	ollars ((1.3, 1.	5)		
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 sales Change 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	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
ServicesStructures	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.—(Gross N	ationa	d 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 discrepancy	1,390.9 1,258.7 132.3 47.9	1,604.1 1,552.8 1,406.7 146.1 50.3 1.0	1, 463. 0 1, 409. 4 1, 275. 4 134. 0 45. 6 8. 0	1, 485. 2 1, 433. 4 1, 296. 8 136. 5 46. 4 5. 3	1,532.3 1,478.0 1,337.4 140.6 51.0 3.3	1, 586. 4 1, 536. 7 1, 392. 7 144. 1 50. 8 -1. 2	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, 090. 5 1, 051. 2 941. 6 109. 6 32. 2	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
Residual 1							.9		5, 2	1.7	7.0	4.9	3. 4	. 2	1.6	2 1. 6
Households and institutions	1	63. 0	56. 4	58. 3	60. 4	62. 0	63. 6	66.0	40. 2	41.4	40, 0	40.6	40.6	41. 2	41.7	42.1
Government Federal State and local	191. 6 62. 4 129. 2	205. 8 66. 5 139. 4	192, 6 61, 8 1 3 0, 7	197. 5 64. 7 132. 8	200. 5 65. 4 135. 1	203. 1 65. 5 137. 6	206. 5 65. 8 140. 7	213, 2 69. 2 144. 1	145. 8 48. 4 97. 3	147. 5 48. 6 98. 8	146. 2 48. 5 97. 7	146. 4 48. 6 97. 8	146, 5 48, 6 97, 9	146. 7 48. 6 98. 1	147. 9 48. 7 99. 2	148. 8 48. 7 100. 1
Rest of the world	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
Preliminary. See other footnotes on following																

 $^{{}^{}p}\mathrm{Preliminary}.$ 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).

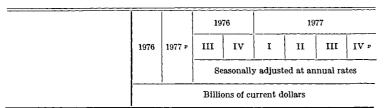


Table 4.—Relation of Gross National Product, Net National Product, National Income, and Personal Income (1.9)

			and i	CISON			(1.7)	
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
Less: Capital consumption allowances with capital consump- tion adjustment Capital consumption allowances without	179.0	197. 0	180.9	184. 5	189. 0	193, 3	199. 8	2 05. 9
capital consump- tion adjustment Less: Capital con- sumption adjust-	142.0							
ment Equals: Net national product	1	ĺ	l .	ì	Ì		1	-49.0
Equais: Net national product	1,521.4	1, 693. 4	1, 546. 5	1,570.9	1,621.8	1, 6/6, 6	1, 716, 0	1, 759, 1
Less: Indirect business tax and nontax liability Business transfer pay-	150. 5	165. 2	151.8	155. 5	160. 1	163. 3	166.9	170. 4
ments	8. 1 5. 5	9. 0 1. 0		8. 4 5. 3		8.9 -1.2		9. 4
Plus: Subsidies less current surplus of govern- ment enterprises	.8	2.1	1.1	. 5	. 5	.1	1.4	6. 3
Equals: National income	1, 364, 1	1, 520. 3	1, 379. 6	1, 402. 1	1, 450. 2	1,505.7	1, 540. 5	
Less: Corporate profits with inventory valuation and capital consumption adjustments. Net interest. Contributions for social insurance. Wage accruals less dis-	128. 1 88. 4 123. 8	140. 3 100. 9 139. 0	90.1	92.0	95. 3	98. 9	103. 1	106. 4 143. 1
bursements	0	0	0	0	0	0	0	0
Plus: Government transfer payments to persons Personal interest income Net interest Interest paid by government to persons	184. 7 130. 3 88. 4		132.3	189, 5 136, 4 92, 0	194. 8 140. 3 95. 3	194. 0 145. 4 98. 9	150.3	203. 1 155. 6 106. 4
and business Less: Interest received	39.3		[40.6	1	42.3		43.6
by government Interest paid by consumers to business Dividends Business transfer pay-	22. 4 25. 0 35. 8	25. 0 29. 6 41. 2	"	22. 6 26. 3 38. 4	23. 7 27. 5 38. 5	24. 7 28. 9 40. 3	30, 4	26. 0 31. 6 43. 6
ments	8.1	9.0		8.4	8.7	8.9		9.4
Equals: 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. 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	e I						
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.

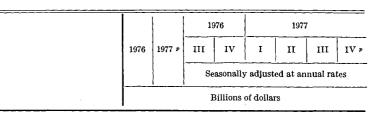


Table 6.-Net National Product and National Income by Sector in Current and Constant Dollars (1.11, 1.12)

Current a		II S Call	1001	iais (i		•14)		
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	34. 8 5. 5 56. 2	35. 8 1. 0 63. 0	32. 4 8. 0 56. 4	32. 9 5. 3 58. 3	37. 1 3. 3 60. 4	36.6 -1.2 62.0	32. 5 . 9 63. 6	36. 8 66. 0
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	ļ	1				J
					1972 dol	1		
Net national product					1	ŀ	1	1
Net domestic product		1, 200, 4	1,150,4	1,153.9	1,175,2	1, 193, 6	1, 209, 6	1, 223, 2
Business Nonfarm Farm Residual ¹ Households and institutions. Government	927. 0 23. 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	991. 9 26. 6 1. 6 41. 7	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 Nonfarm Farm Households and institutions Government Rest of the world	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		846. 7 26. 9 41. 2 146. 7	857. 4 28. 1 41. 7 147. 9	29. 3 42. 1 148. 8

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 θ : 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.

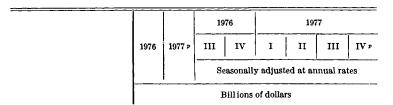


Table 7.—National	T 1 7	T	/1 19\
Table 7.—National	Income by	I voe of Income	: (1.13)

Table 7.—Natio	mar ir	icome	by 1	ype or	inco	me (1	.13)	
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 salariesGovernment and govern-	891.8	989.5	900. 2		951. 3	980. 9		1, 027. 1
ment enterprises Other Supplements to wages and	187. 2 704. 6	199. 9 789. 6	188. 2 712. 0		194. 8 756. 4	197, 2 783, 6	200. 6 798. 3	206, 9 820, 2
salaries Employer contributions	144.5	166.3			158. 6	163, 8	i i	174. 2
for social insurance Other labor income	68. 6 75. 9	77. 7 88. 6	69. 1 77. 3	70. 9 80. 0	75. 4 8 3 . 2	77. 1 86. 7	78. 2 90. 3	80. 2 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 Proprietors' income with inventory valuation ad- justment and without	18.6	19. 5	16. 2	16. 6	20.7	19. 7	15. 5	22. 1
capital consumption ad- justment———————————————————————————————————	22.8	24. 2	20. 3	20.8	25. 0	24. 2	20. 3	27. 4
justment Nonfarm Proprietors' income with-	-4. 2 69. 4	-4.7 78.4	-4. 2 70. 0		~4. 2 74. 3	-4.5 77.3	-4.8 80.0	-5. 2 82. 0
out inventory valuation and capital consump- 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
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 Capital consumption ad-	40.0	45.3	40. 3	41.5	42. 9	44. 6	45. 7	48. 1
justment	-16.7	-20.0	-16.9	-17.3	-18.4	-19.7	-20.2	-21.7
Corporate profits with inven- tory 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 tax liability. Profits after tax Dividends.	156. 9 64. 7 92. 1 35. 8	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. (
Undistributed profits. Inventory valuation adjustment	56. 4 -14. 1					1	1	
Capital consumption adjust- ment	-14.7	1	1	i	1	1		_
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	140.2	149. 0	
Profits tax liability Profits after tax with inven- tory valuation and capital	64.7							
consumption adjustments Dividends Undistributed profits with inventory valua-	63. 3 35. 8	71.1 41.2						
tion and capital con- sumption adjustments	27.6	29.9	31. (20.8	22. 5	30, 3	37. 4	

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.
Net domestic product Indirect business tax and nontax liability plus busi- ness transfer payments less	9 3 0, 1	1, 039. 1	943.7	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.
Domestic income Compensation of employ-	821.8	920.6	834.6	843.0	870.7	913. 2	938. 6	-
ees Wages and salaries Supplements to wages	690, 4 585, 9							
and salaries	104.5	120.8	105.9	109.0	114.8	119. 1	122. 6	126.

	19'	76		197	77	
1976 1977 2	III	IV	I	11	ш	IV »
	Seas	onally	adjust	ed at a	nnual	rates

Corporate profits with inventory valuation and capital consumption adjustments
Valuation and capital consumption adjustments. 119, 9 130, 7 125, 1 115, 4 115, 3 129, 5 139, 5 170 170 170 180, 7 170 180, 7 180, 7 180, 7 180, 7 180, 8
19.9 130.7 128.1 115.4 115.3 129.5 139.5 139.5 139.5 139.5 139.5 139.5 149.7 162.5 151.4 147.1 151.6 163.3 163.3 163.5 163.5 163.5 163.3 163.5
Profits before tax.
Profits after tax
Profits after tax.
Undistributed profits
Undistributed profits 1.1
Capital consumption adjustment
Met interest
Net interest
Gross domestic product of financial corporate business 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 Net domestic product 107.0 116.6 108.0 110.2 112.5 114.2 118.2 1 Net domestic product 107.0 116.6 108.0 110.2 112.5 114.2 118.2 1 Net domestic product 984.0 988.3 896.7 907.0 936.8 980.7 1,006.6 Compensation of employees 684.0 988.3 896.7 907.0 936.8 980.7 1,006.6 Compensation of employees 784.6 879.8 786.6 804.5 831.6 873.3 897.2 Compensation of employees 784.6 879.8 786.6 804.5 831.6 873.3 897.2 Supplements to wages and salaries 789.6 769.7 765.3 765.7 765.9 769.7 769.5 76
State Capital consumption allowances with capital consumption adjustment State Stat
Capital consumption allowances with capital consumption adjustment. 107.0 116.6 108.0 110.2 112.5 114.2 118.2 1 118.2 1 118.2 1 118.2 1 118.2 1 118.3 1 1 1 1 1 1 1 1 1
Capital consumption allowances with capital consumption adjustment Net domestic product
Capital consumption adjustment
Net domestic product
Indirect business tax and nontax liability plus business transfer payments less subsidies
Indirect business tax and nontax liability plus business transfer payments less subsidies
Supplements to wages and salaries.
Domestic income
Domestic income
Compensation of employees. 650.3 732.7 657.3 674.4 760.6 727.4 741.2 7 7 7 7 7 7 7 7 7
Compensation of employees
Supplements to wages and salaries
Corporate profits with inventory valuation and capital consumption adjustments
Corporate profits with inventory valuation and capital consumption adjustments 101.9 110.4 106.8 97.1 96.3 109.8 118.5 130.6 141.9 133.0 128.7 132.4 143.4 142.0 143.4
101.9 110.4 106.8 97.1 96.3 109.8 118.5
101.9 110.4 106.8 97.1 96.3 109.8 118.5
Profits before tax
Profits after tax
Profits after tax
Dividends
Undistributed profits
The thickness of the consumption adjustment -14.1 -14.5 -11.7 -16.9 -20.6 -17.8 -5.9 -14.5 -17.0 -14.5 -14.7 -15.5 -15.8 -17.6
Capital consumption adjust-ment
Net interest
Billions of 1972 dollars
Billions of 1972 dollars
Transfer
Capital consumption allowances with capital consumption adjustment
Capital consumption allowances with capital consumption adjustment
capital consumption adjustment 74.9 76.9 75.0 75.3 75.8 76.5 77.2 Net domestic product 666.1 667.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 82.9 86.7 83.1 84.7 86.0 86.2 86.7 Domestic income 573.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments for payments fo
capital consumption adjustment 74.9 76.9 75.0 75.3 75.8 76.5 77.2 Net domestic product 666.1 667.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 82.9 86.7 83.1 84.7 86.0 86.2 86.7 Domestic income 573.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 578.5 576.6 591.5 609.0 617.3 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity plus business transfer payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments less subsidies 753.2 610.5 697.2 661.6 661.3 677.5 695.2 704.0 Labellity payments labellity pay
Net domestic product
Indirect business tax and nontax liability plus business transfer payments less subsidies.
liability plus business transfer payments less subsidies
payments less subsidies
Domestic income
Current-dollar cost and profit per unit of constant-dollar gross
Current-dollar cost and profit
ner unit of constant-dollar gross
ner unit of constant-dollar gross
per unit of constant-dollar gross j
domestic product 2
Capital consumption allowances with
capital consumption adjustment
Net domestic product 1.209 1.277 1.217 1.231 1.244 1.271 1.288
Indirect business tax and nontax
liability plus business transfer
payments less subsidies
Domestic income 1.073 1.137 1.081 1.092 1.104 1.132 1.148
Compensation of employees 890 947 . 892 . 916 . 930 . 943 . 949
Corporate profits with inventory
valuation and capital consumption adjustments
Profits tax liability
Profits tax liability

^{*}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.

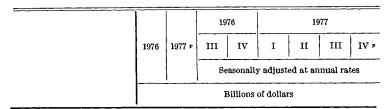


Table 9.—Auto Output	in Ci	ırrent	and (Consta	ant Do	llars	(1.10,	1.17
	1	1						

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 New purchases of used	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
autos	-7. 0 -2. 6 6. 4 8. 9	-8.8 -3.6 7.1 10.7	-7.1 -2.4 6.4 8.8	-7.9 -2.6 6.4 9.0	-9.0 -2.5 7.1 9.6	-9. 2 -2. 8 7. 3 10. 1	-8.7 -4.6 6.8 11.4	-8.4 -4.4 7.2 11.6
goods and services	.6	.7	.6	.6	.7	. 7	. 7	.8
Change in business inven- tories of new and used autos	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 11. 5	59. 4 15. 2	48. 2 11. 6	52. 6 12. 6	60. 4 14. 0	59. 4 16. 9	58. 8 14. 8	59. 1 15. 2
			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 New autos Net purchases of used	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
goods and services	.5	. 6	.5	.5	.6	. 6	. 6	. 6
Change in business inven- tories of new and used autos	.7 0.7	1.3 1.2 .1	4 1 4	.9 .8 .1	1.1 1.2 1	1 .3	1, 9 2. 0 -, 1	1.9 1.7 .2
Addenda: Domestic output of new autos 1 Sales of imported new autos 2	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	76		19	77				
1976	1977 ₽	III	IV	I	II	ш	IV »			
	Seasonally adjusted at annual rates									
			Billions o	f dollar	rs					

Table 10.—Personal Income and Its Disposition (2.1)

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. 5
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	308.5	346.3	310.8	317. 7	329. 0		351. 0	359. 7
Manufacturing Distributive industries 4	238. 2 217. 1	267. 2 242. 5	240. 2 220. 2	245. 1	255.4	265.9	270.0	277. 5
Service industries 5	179.0	200.8		226. 4 186. 7	234. 5 193. 0	240. 5 197. 7	244. 4 202. 8	250. 7 209. 7
Government and govern-	1	<u> </u>	!		155.0	1	202.0	200
ment enterprises	187. 2	199.9	188. 2	192.5	194.8	197. 2	200. 6	206. 9
Other labor income	75.9	88, 6	77.3	80.0	83.2	86.7	90. 3	94.0
Proprietors' income with in- ventory valuation and capital consumption ad-								
justments	88.0	97.9	86.2	88.7	95.1	97.0	95, 5	104, 2
Farm Nonfarm	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, disa- bility, and health insur-								
ance benefits	92.9	105.0	95. 8	98. 4	99. 9	101.8	108.5	109.8
Government unemploy- ment insurance benefits.	15. 7 14. 4	12. 7 13. 8	15. 1 13, 6	15.0	15. 1	12.3	11. 6 13. 3	
Veterans benefits	25. 7	28.8	26.1	13. 9 26. 4	14.3	1	29. 2	13. 8 30. 5
Aid to families with de- pendent children	.9.9	10.3	ļ	10.0	27. 1 10. 0	10. 2	10.3	10.5
Other	34.3	36.3		34. 3	37.0		35. 6	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	1 195 9	1 308 6	1 193 3	1 222 6	1 252 4	1 292 5	1, 323, 8	1. 365. 9
Less: Personal outlays	ı	l	l .			Į.	1, 250. 5	•
Personal consumption ex-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 210.0	1,120.0	1, 100.0	1, 201.0	, 229, 0	,	
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
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.

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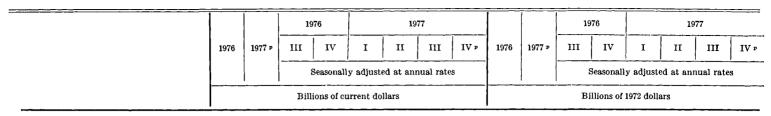


Table 11.—Personal Consumption Expenditures by Major Type of Product in Current and Constant Dollars (2.3, 2.4)

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	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
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	

		19	1976 1977							
1976	1977 ₽	ш	IV	I	111	III	IV P			
		Seas	onally	adjust	ed at a	nnual	rates			
		В	illions	of dolls	ars					

Seasonally adjusted at annual rates Billions of dollars

1976 | 1977 ₽

III IV

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 .1	163. 4 7. 2	144. 5 5. 7	157. 1 150. 7 6. 3 . 1	170.0 157.9 11.9	163. 2 5. 3	162. 8 5. 7	169.7 5.7
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. 2 17. 8 5. 3 2. 1
Contributions for social insurance	105. 7	118.9	106. 2	108.4	115. 4	118. 1	119. 7	122. 4
Expenditures	386.3	423, 5	390.6	400.4	403.7	411.5	432, 1	446.7
Purchases of goods and services	86.8 41.6 24.1	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	89. 7 43. 3	93. 4 43. 3 24. 7 18. 5		153. 8 98. 6 45. 8 26. 3 19. 5 52. 8
Nondefense Compensation of employees Other	43.3 20.8 22.6	22. 5		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. 2 23. 4 31. 8
Transfer payments To persons To foreigners	162, 0 158, 8 3, 2	173. 1 169. 8 3. 2	160.0	163.1	170. 7 167. 8 2. 9	166.4	174. 8 171. 2 3. 6	174.0
Grants-in-aid to State and local governments	61.0	67. 6	63. 1	65. 5	62. 0	63. 6	72. 7	72. 2
Net interest paid	32, 2 27, 7 4, 5	35. 5 29. 9 5. 6	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	29. 4 35. 6 29. 8 5. 9	30. 9 37. 3 30. 8 6. 6
ment	5.0	6.0	5.4	4.9	5.5	6.0	6. 2	6.4
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 6. 1	7. 2 6. 3	12. 3 9. 8
ment enterprises	—, з	7	4	1	. 2	.3	9	-2.4
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 funds	-12.5 -41.5	-10.2 -39.4	-13.9 -39.6	-15.0 -40.9	-10.0 -28.8	-7.9 -32.4	-11.6 -47.3	-11.4

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	56. 8 31. 7					57. 5 32, 1	
NontaxesOther	16. 0 6. 8		16. 3 7. 0	16. 3 7. 1		17. 2		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	140. 3	128, 1	121 7	135.9	129 6	141.5	145. 2
Sales taxes		63.8	57. 3	59. 1	61. 7	63.1	64. 2	66.2
Property taxes	57. 6	62. 8	58. 2	59.7	61. 0		63. 4	
Other	12.3	13. 7	12, 5	12.9	13. 2	13. 5	13. 9	14. 3
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	231. 2	249.5	232, 7	235.8	238. 5	247. 0	252, 9	259.8
Compensation of employees	129, 2	139.4	130.7	1 3 2, 8	135. 1	137.6		
Other	102.0	110. 2	102.0	103. 1	103. 4	109. 4	112. 2	115.8
Transfer payments to persons	25. 9	28.0	26. 2	26, 5	27. 0	27. 7	28. 3	29.0
Net interest paid	-5.7			-5.7				
Interest paid Less: Interest received by Govern-	11.6	12. 5	11.7	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 enterprises			-5.1		~5.7			-5.9
Subsidies Less: Current surplus of govern-		. 3	. 2			. 3		.4
ment enterprises	5. 4	6.1	5.3	5.8	6.0	6.0	6. 2	6.3
Less: Wage accruals less disburse-	0	0	0	0	0	0	0	0
	1			1				
Surplus or deficit (—), national income and product accounts	18, 4	29. 2	21. 1	26, 5	27. 3	25. 4	32, 9	
Social insurance funds								
Other funds	3, 9	13.7	6.2	11.3	11.9	10.0	17.4	
		ı	, ,				l	

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

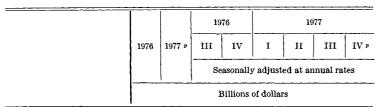


Table 14.-Foreign Transactions in the National Income and Product Accounts (4.1)

Receipts from foreigners.	162, 9	175, 6	168, 4	168, 5	170. 4	178, 1	179.9	174, 3
Exports of goods and services. Merchandise Other	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
Capital grants received by the United States (net)	0	0	0	0	0	0	0	o
Payments to foreigners	162, 9	175, 6	168, 4	168, 5	170.4	178, 1	179, 9	174.3
Imports of goods and services. Merchandise Other	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
Transfer payments (net) From persons (net) From government (net)	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
Interest paid by government to foreigners	4. 5	5.6	4. 6	4.7	4.9	5, 2	5. 9	6. 6
Net foreign investment	9	-19.1	-1.5	-5.9	-17.1	-18.8	-18.2	-22.1

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	02,0	1,0,0)	00.0	10.0	**
profits with inventory			ļ					
valuation and capital	J		j	j.)	
consumption adjust-	1			1			Ì	Í
ments	27.6	29.9	31.6	20.8	22.5	30.3	37. 4	1
Undistributed profits	56.4	61.7	58.0	52.5	58.8	64.1	61. 2	
Inventory valuation ad-	1							
justment	-14.1	-14.5	-11.7	-16.9	-20.6	-17.8	-5.9	-13.8
Capital consumption ad-	ł				1)		
justment	-14.7	-17.2	-14.7	-14.8	-15.6	-15.9	-17.9	-19.4
Corporate capital consump-	l]	1	
tion allowances with					1			
capital consumption ad-	l		ļ				1	[
justment	111.8	121.9	112.9	115.2	117.6	119.4	123. 7	127.0
Noncorporate capital con-	ĺ		1		ì	Í	ĺ	1
sumption allowances with	1	ĺ		1		1		ł
capital consumption ad-	0							
justment	67.2	75. 1	68.0	69.2	71.4	73.8	76. 2	78.9
Wage accruals less disburse-				_				
ments	0	0	0	0	0	0	0	0
Government surplus or defi-			ĺ	1			ì	
cit(-), national income and	1	1	1	1				
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	i	i	1	ĺ			1	
United States (net)	1 0	0	0	0	0	0	0	0
Citive States (NOV)	ľ		1	"		}	, ,	
Gross investment	242.5	275. 3	252.8	237.5	254.7	276, 1	285, 4	284, 9
Gross private domestic invest-								
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				ا ۽ ۽				l
Statistical discrepancy	5.5	1.0	8.0	5.3	3, 3	-1,2	.9	
		!	1					1

Preliminary.

Preliminary.
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.
Quarterly totals at annual rates.
Equals ratio of nonfarm inventories to final sales of business. These sales include a small amount of final sales by farms.

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.

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

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

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		
NonfarmDurable goods Nondurable goods			394. 2 220. 9 173. 3	225.8	231.4	235.0	243.5	249.0		
Manufacturing			201. 7 127. 5 74. 2	130.8	133. 1		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			80. 4 35. 8 44. 5	36. 5	38. 2	39. 0	40.6	42.1		
Other			37.9	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 salesNonfarm 3	 	-	. 316 . 273		. 315 . 274			.304 . 268		
	Billions of 1972 dollars									
	l									

	 <u> </u>	l	1		ļ	<u> </u>	1
		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	 !	127. 7 82. 4 45. 3	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	 	2 3 . 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			. 273 . 236		. 270 . 234

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

National income with- out capital consump-								
tion adjustment	1,399.3	1, 562, 3	1, 415. 0	1,437.9	1,488.2	1,545.7	1, 583, 6	
Domestic income	1, 384, 9	1, 544. 8	1,399.7	1, 423, 4	1, 470. 6	1, 527. 3	1, 565, 9	
Agriculture, forestry, and		1		[į			
fisheries	40.8						41.0	
Mining and construction	87.1	99.1	87.5	89.5	90.7	99.5	102.1	
Manufacturing	365.0	411.4	369.9	370.8	386, 5	410.8	418 3	
Nondurable goods								
Durable goods						251. 4	251.9	
Transportation								
Communication Electric, gas, and santiary	30.9	35.4	31.4	32.5	33. 3	34 . 5	30.0	
Services	25.9	28, 9	26, 3	25, 4	28, 0	27, 4	29. 6	l
		20.0			-0.0			
Wholesale and retail trade	220.7	245. 5	225.5	229.5	234.8	241.8	251.4	
Wholesale	91.1	99. 7	93.7	92.7	94.6	98.7	102. 9	
Retail	129.6	145.8	131.8	136.8	140. 1	143. 1	148. 5	
Finance, insurance, and real	i							
estate	160.8	181.5	163, 1	166, 8	172. 2	177.8	184 4	
Services.	188. 2		189. 5	195.5	202.5	207. 9		
Government and govern-	100.2	211.0	100.0	20070	-02.0			
ment enterprises	214.9	231.1	216.0	221.4	225.0	227. 9	2 3 2. 0	
Deat of the small		1.7 -	15.0	ابير	17.0	10.4	17 7	16 9
Rest of the world	14, 4	17.5	15, 3	14.4	17.6	18. 4	17.7	16.3
l l	1		/			1		

		19	76	1977							
1976	1977 >	III	IV	I	11	Ш	IV »				
		Se	asonally	adjust	ed at ar	nual ra	tes				
	·	Billio	ons of cu	irrent d	lollars						

		<u> </u>	Billi	ons of ci	1rrent d	ollars		
	<u> </u>	-						
Table 18.—Cor	porat	e Prof	its by	Indu	stry (6.18)		
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 Financial ¹ Nonfinancial	119, 9 18, 0 101, 9	130, 8 20, 4 110, 4	125. 1 18. 3 106. 8	115. 4 18. 3 97. 1	115.3 19.1 96.3	129. 5 19. 7 109. 8	139. 5 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 consumption adjustment	142,7	157.5	148. 2	137.9	141.0	156.2	166.9	
Domestic industries Financial 1	134. 6 18. 2	147. 9 20. 6	139. 8 18. 4	130. 2 18. 4	131.0 19.2	145. 5 19. 9	157. 4 21. 2	
Federal Reserve banks Other	6. 0 12, 2	6. 2 14. 4	5. 9 12. 5	6. 1 12. 3	6. 1 13. 1	6. 2 13. 7	6. 2 15. 1	
Nonfinancial	116. 4 66. 3 36. 4	127. 3 74. 7 37. 7	121. 3 68. 4 37. 4	111.8 62.9 33.9	111. 8 65. 2 33. 7	125. 5 76. 4 37. 0	136. 1 77. 6 40. 1	
Chemicals and allied	8.3		9.7	7.1	5. 1	5.6	8.0	
products Petroleum and coal products	7.4 9.9		7.3 9.3	6.6 9.9	7.7 9.2	8. 3	9.9	
Other Durable goods	10.8 29.9	37. 0	11. 2 31. 0	10.3	11.7 31.5	12.6 39.4	14. 2 37. 5	
Primary metal indus- tries	2, 4	31.0	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 Electric and elec-	5.9		6.3	6. 6	6.8	7.7	8.9	
tronic equipment Motor vehicles and	3.7		3.9	4.0	4.6	5.3	5.0	
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, gas, and sanitary	27, 1		29, 1	27. 4	24.0	25. 4	31, 2	
servicesOther	11, 5 11, 5		12, 2 11, 6	10. 4 11. 1	11.6 11.0	11.5 12.2	14. 1 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	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 Nondurable goods Food and kindred	208. 9 106. 3 55. 2	226. 9 117. 6 58. 1	214. 8 108. 8 56. 5	207. 3 104. 2 53, 3	208. 7 107. 2 53. 5	224. 0 119. 0 57. 2	236. 7 120. 8 60. 7	
Food and kindred products Chemicals and allied	11.7		1 3 . 2	10.6	8.7	9.8	11.8	
products Petroleum and coal	11.9		11.9 14.7	11. 2	12.5	13. 2	13. 2	
productsOther	15. 3 16. 3		16.8	15. 5 16. 0	14. 8 17. 6	16. 1 18. 6	15. 5 20. 2	
Durable goods Primary metal indus-	51.1	59. 5	52. 3	50.9	53.6	61.8	60.1	
triesFabricated metal	6, 1 5, 2		6. 0 5. 4	4.9 4.7	4. 9 4. 9	6. 7 5. 8	4, 4 6, 1	
Machinery, except electrical	9. 6		10.0	10.3	10. 5	11.5	12. 7	
Electric and elec- tronic equipment Motor vehicles and	6. 6		6.8	7. 0	7.6	8.3	8, 0	
equipmentOther	10.7 12.8		10. 8 13. 3	10. 8 13. 3	11. 9 13. 9	13. 6 15. 9	12. 3 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	8, 1	9.6	8.4	7.7	10, 1	10, 7	9, 6	

İ			19	976 1977		1976 1977				
	1976	1977 🌶	III	IV	I	II	111	IV »		
				Se	asonall	y adjust	ed	<u> </u>		
ľ		<u>' '</u>	Inde	x numb	er, 1972	=100				

Table 19.—Implicit Price Deflators for Gross National Product (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..... 135, 6 133. 2 140.7 134.0 137.9 139.8 143. 2 141.7 127. 2 139. 3 135. 4 130. 0 144. 9 142. 9 130. 0 144. 1 141. 5 131. 2 146. 0 145. 1 138.3 133.2 Gross private domestic investment..... 140. 6 139. 2 150. 9 142, 9 140, 9 152, 8 139. 8 138. 7 150. 7 150. 3 146. 0 160. 3 133. 1 142. 5 143. 0 142. 9 133, 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. 5 139. 8 159. 9 160. 5 159. 4 123.4 123.8 125.2 126.6 127.6 122, 6 126.8 127.9 Net exports of goods and services..... -----Exports_____Imports_____ 172.0 198.4 175.9 207.0 179. 2 211. 5 Government purchases of goods and services..... 149, 4 142.3 146.3 145.7 137.2 139.8 144.6 136,7 Federal....State and local.... 143.3 148.1 147. 8 150. 4 134. 7 138. 6 138, 2 140, 7 140.6 143.4

Table	20.—Fixed-Weighter Product,			Gross	Nation	ıal
		1 1	 ī	i i		_

Gross national product.	134.9	143. 2	135, 5	137.5	139.9	142, 3	144.0	146, 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	124. 8 138. 9 132. 6	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 equipment Residential. Change in business inventories	141. 1 140. 3 148. 4 135. 7 142. 5	152. 7 148. 9 157. 5 144. 0 159. 7	142, 0 140, 9 148, 7 136, 4 144, 0	144, 5 143, 0 150, 6 138, 6 147, 4	148. 1 145. 1 153. 7 140. 3 153. 6	151. 1 147. 6 156. 8 142. 4 157. 4	153. 6 149. 8 158. 4 144. 9 160. 7	157. 5 152. 7 160. 9 148. 0 166. 4
Net exports of goods and serv-				- 				
ExportsImports	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	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

Preliminary.

 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.

SURVEY OF CURRENT BUSINESS

		19	76		19	77	
1976	1977 ₽	III	IV	I	II	111	IV »
			Se	asonall	y adjust	eđ	
		Inde	x numb	ers, 197	2=100		

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

Table 24.—Implicit Price Deflators for Net National Product and
National Income by Sector (7.7) 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	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	136, 2	132, 2	133, 1	133.8	135, 9	136. 7	138, 1
	131.4	135. 8	131, 7	132, 9	133.7	135, 3	136. 4	137. 9
Durable goods	129. 0	134. 5	130. 2	131.9	132. 6	133. 9	135. 6	136. 6
	128. 8	134. 2	129. 6	131.7	132. 4	133. 2	134. 6	136. 5
Nondurable goods	133. 6	137.3	133.7	134. 0	134. 7	137. 4	137. 6	139. 2
	133. 1	137.0	133.1	133. 7	134. 6	136. 8	137. 7	138. 9
ServicesStructures	133, 8	143, 1	134.7	137. 1	139, 6	141, 9	144.3	146.7
	145, 8	158, 8	146.6	149. 1	153, 6	157, 1	159.8	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 Nonfarm Nonfarm less housing Housing Farm Residual	133. 5 133. 3 134. 6 121. 5 145. 1	140. 5 140. 7 141. 9 129. 6 140. 1	134. 2 134. 1 135. 4 122. 3 141. 6	135. 8 135. 9 137. 3 123. 9 136. 2	137. 3 137. 1 138. 4 126. 5 145. 6	139, 8 139, 7 141, 0 128, 6 145, 6	141. 5 142. 0 143. 3 130. 6 130. 5	143, 4 132, 6 139, 0
Households and institutions.	139. 6	152. 2	141.1	143.6	148.8	150.6	152. 4	156.6
Government Federal State and local	131. 5 128. 8 132. 8	139. 6 136. 6 141. 0	131.7 127.6 133.8	134.9 133.2 135.7	136. 9 134. 6 138. 0	138. 4 134. 9 140. 2	139. 7 135. 1 141. 9	143. 3 142. 0 144. 0
Rest of the world								

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	

	1976		19	76	19	77		
į	1976	1977 🌶	III	IV	I	II	III	IV »
				Se	asonall	y adjust	ed	
ľ	•	<u></u>	Inc	dex num	bers, 19	72=100	 -	

			·					
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	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
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	125, 1	131,0	126.3	129, 1	130.9	130, 5	129.9	132.5
Personal consumption expenditures 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 equip- ment	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								
ExportsImports		128. 9 154. 2	122. 5 143. 2	125.3 147.2	125. 7 145. 5	127. 9 148. 9	130. 0 157. 7	132. 1 163. 8
Government purchases of 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	129. 1	136.8	130, 2	133. 6	136. 1	135, 9	136.8	138. 4
Furniture and household 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. 1 127. 3
Nondurable goods	137,7	144, 1	138, 3	139. 3	141, 5	143, 8	144, 9	146.0
Food Clothing and shoesGasoline and oil Fuel oil and coal Other	117.9 164.4 212.1	147. 0 122. 6 173. 8 239. 8 139. 3	141. 7 118. 8 165. 1 214. 0 132. 5	141. 5 119. 6 170. 0 218. 8 134. 3	143. 9 121. 1 170. 7 230. 4 136. 6	147. 2 121. 9 173. 3 240. 0 138. 3	148. 1 123. 4 173. 5 244. 6 140. 3	148. 8 123. 8 177. 6 245. 4 142. 1
Services	132, 3	141,5	133, 2	135.4	137.8	140, 1	142, 9	145, 1
Housing Household operation Electricity and gas Other Transportation Other	138. 4 154. 3 127. 4	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

<sup>P Preliminary.
1. Consists of final sales and change in business inventories of new autos produced in the United States.
2. Consists of personal consumption expenditures, producers' durable equipment, and government purchases.</sup>

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.

	1976		19	76	197	977	77	
1	1976	1977 🄊	ш	IV	I	II	III	IV »
				Se	asonall	y adjus	ted	
Ī	Pe	rcent		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 (8.9)

Gross national product:								
Current dollars	11.6	10.8	8.6	6, 7	13. 2	13.7	10.2	10.7
1972 dollars	6.0	4.9	3.9	1.2	7.5	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	1 0.0
Fixed-weighted price index	5.6	6.1	4.8	6.0	7.1	7. 0	4.8	6.1
index	0.0	0.1	4.8	0.0	7.1	7.0	4.0	0.1
ersonal consumption expend-			}				1	l
itures:							ļ	1
Current dollars	11.6	10.6	9.1	14.1	12. 2	7.6	8.6	12. 5
1972 dollars		4.8	3.6	8.6	5. 1	1.8	3.0	7. 6
Implicit price deflator		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	4.6
Fixed-weighted price index	5.3	5.7	5.2	4.6	7.0	6.8	5.4	4.7
	1		Į					
Durable goods:	100	10.0		100	00.0	3.6	-2.2	16.9
Current dollars		12.9	6.7	18.8	28. 2 20. 2	3.0	-3.9	13. 0
1972 dollars Implicit price deflator		8.3 4.3	1. 5 5. 2	11. 8 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		1.0	1.0	0.0	0.0			
Fixed-weighted price index	5.6	4.6	4.2	6.7	6.3	2. 2	2.0	4.4
***************************************	""		-:- -	***				l
Nondurable goods:	1			ĺ				l
Current dollars.	8.2	8.4	7.1	13. 3	7.0	6.8	6.4	13.9
1972 dollars	4.6	3.6	2.8	10. 2	. 3	. 3	3.0	10.5
Implicit price deflator	3.4	4.7	4.1	2.8	6.7	6.5	3. 2 3. 6	3. 1
Chain price index	3.4	4.8	4.1	2.4	6.6	7.4	3.0	J 3. U
Fixed-weighted price index	ا ہے ا	4.8			0.7	7.5	3.6	3.0
index	3.4	4.5	4.2	2.4	6. 7	1.0] 3.0	1 "
Services:			1	i			1	1
Current dollars	12.4	11.8	11.7	13. 3	12.0	9.6	14.3	9.9
1972 dollars		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	7.1	7.0	6.4	5.9	7.4	7.5	8.1	6.3
Fixed-weighted price						'		
index	7.2	7.1	6.6	6.0	7.5	7.5	8.2	6.3
						'	1	
ross private domestic invest-				ŀ				
ment:	00.7					38, 6	12.4	١.,
Current dollars	28.7	21.0	17.3	-16.1 -20.9	55.5	94.9	7.5	4.5
Templicit price defletor	22.2	13. 1	9.9	T 20. 9	48.4	24. 0	7.0	-0.1
Chain price index								
1972 dollars								
Tinou weighten price annum								
Fixed investment:								
Current dollars		20.3	12.3	21.3	24.4	25. 7	10.3	23.4
	14.7							
1972 dollars	8.6	11.9	6. 2	13.8	14.7	16.8	2.5	11.0
1972 dollars Implicit price deflator	8. 6 5. 6	11.9	6. 2 5. 8	6.6	8.4	7.6	2. 5 7. 6	11.1
1972 dollarsImplicit price deflator Chain price index	8. 6 5. 6 6. 0		6. 2				2.5	
1972 dollarsImplicit price deflator Chain price index	8. 6 5. 6 6. 0	11. 9 7. 5 7. 7	6. 2 5. 8 6. 2	6. 6 7. 1	8. 4 9. 0	7. 6 7. 8	2. 5 7. 6 7. 0	11. 1 10. 7
1972 dollars Implicit price deflator	8. 6 5. 6 6. 0	11.9	6. 2 5. 8	6.6	8.4	7.6	2. 5 7. 6	11.1
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index	8. 6 5. 6 6. 0	11. 9 7. 5 7. 7	6. 2 5. 8 6. 2	6. 6 7. 1	8. 4 9. 0	7. 6 7. 8	2. 5 7. 6 7. 0	11. 1 10. 7
1972 dollars	8. 6 5. 6 6. 0 6. 0	11. 9 7. 5 7. 7 8. 2	6. 2 5. 8 6. 2 6. 5	6. 6 7. 1 7. 3	8. 4 9. 0 10. 2	7. 6 7. 8	2. 5 7. 6 7. 0 6. 9	11. 1 10. 7
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars	8. 6 5. 6 6. 0 6. 0	11. 9 7. 5 7. 7 8. 2 14. 6	6. 2 5. 8 6. 2 6. 5	6. 6 7. 1 7. 3 6. 7	8. 4 9. 0	7. 6 7. 8 8. 3	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9	11. 1 10. 7 10. 8
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars 1972 dollars Implicit price deflator	8. 6 5. 6 6. 0 6. 0 8. 6 3. 6 4. 8	11. 9 7. 5 7. 7 8. 2	6. 2 5. 8 6. 2 6. 5	6. 6 7. 1 7. 3	8. 4 9. 0 10. 2	7. 6 7. 8 8. 3 12. 8 7. 0 5. 4	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9 7. 4	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars 1972 dollars Implicit price deflator Chain price index	8. 6 5. 6 6. 0 6. 0 8. 6 3. 6 4. 8 5. 5	11.9 7.5 7.7 8.2 14.6 8.9	6. 2 5. 8 6. 2 6. 5	6. 6 7. 1 7. 3 6. 7 1. 8	8. 4 9. 0 10. 2 24. 5 19. 0	7. 6 7. 8 8. 3 12. 8 7. 0	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9	11. 1 10. 7 10. 5 18. 2 8. 4
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars 1972 dollars Implicit price deflator Chain price index.	8. 6 5. 6 6. 0 6. 0 8. 6 3. 6 4. 8 5. 5	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8	6. 2 5. 8 6. 2 6. 5 13. 4 9. 0 4. 1 4. 6	6. 6 7. 1 7. 3 6. 7 1. 8 4. 8 6. 0	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6 5. 1	7. 6 7. 8 8. 3 12. 8 7. 0 5. 4 6. 7	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9 7. 4 6. 2	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0 8. 7
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Nonresidential: Current dollars. 1972 dollars. Implicit price deflator	8. 6 5. 6 6. 0 6. 0 8. 6 3. 6 4. 8 5. 5	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3	6. 2 5. 8 6. 2 6. 5 13. 4 9. 0 4. 1	6. 6 7. 1 7. 3 6. 7 1. 8 4. 8	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6	7. 6 7. 8 8. 3 12. 8 7. 0 5. 4	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9 7. 4	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Nonresidential: Current dollars. 1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index.	8. 6 5. 6 6. 0 6. 0 8. 6 3. 6 4. 8 5. 5	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8	6. 2 5. 8 6. 2 6. 5 13. 4 9. 0 4. 1 4. 6	6. 6 7. 1 7. 3 6. 7 1. 8 4. 8 6. 0	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6 5. 1	7. 6 7. 8 8. 3 12. 8 7. 0 5. 4 6. 7	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9 7. 4 6. 2	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0 8. 7
1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Nonresidential: Current dollars. 1972 dollars. Implicit price deflator Chain price index. Fixed-weighted price index. Structures:	8. 6 5. 6 6. 0 6. 0 8. 6 4. 8 5. 5	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8 6. 1	6. 2 5. 8 6. 2 6. 5 13. 4 9. 0 4. 1 4. 6	6. 6 7. 1 7. 3 6. 7 1. 8 4. 8 6. 0 6. 0	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6 5. 1 6. 2	7. 6 7. 8 8. 3 12. 8 7. 0 5. 4 6. 7 7. 1	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9 7. 4 6. 2 6. 0	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0 8. 7 8. 1
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars 1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Structures: Current dollars	8. 6 5. 6 6. 0 6. 0 8. 6 4. 8 5. 5 5. 4	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8 6. 1	6.2 5.8 6.2 6.5 13.4 9.0 4.1 4.6 4.6	6. 6 7. 1 7. 3 6. 7 1. 8 4. 8 6. 0 6. 0	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6 5. 1 6. 2	7.6 7.8 8.3 12.8 7.0 5.4 6.7 7.1	2.5 7.6 7.0 6.9 11.6 3.9 7.4 6.2 6.0	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0 8. 7 8. 1
1972 dollars. Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars 1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Structures: Current dollars 1972 dollars	8.6 5.6 6.0 6.0 8.6 4.8 5.5 5.4	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8 6. 1	6.2 5.8 6.2 6.5 13.4 9.0 4.1 4.6 4.6	6.6 7.1 7.3 6.7 1.8 4.8 6.0 6.0	24. 5 19. 0 4. 6 5. 1 6. 2 6. 3 -3. 5	7.6 7.8 8.3 12.8 7.0 5.4 6.7 7.1	2. 5 7. 6 7. 0 6. 9 11. 6 3. 9 7. 4 6. 2 6. 0	11. 1 10. 7 10. 5 18. 2 8. 4 9. 6 8. 7 8. 1
1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Nonresidential: Current dollars 1972 dollars Implicit price deflator Chain price index Fixed-weighted price index Structures: Current dollars 1972 dollars	8.6 5.6 6.0 6.0 8.6 4.8 5.5 5.4 5.2 2.3	11. 9 7. 5 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8 6. 1	6.2 5.8 6.2 6.5 13.4 9.0 4.1 4.6 4.6	6.6 7.1 7.3 6.7 1.8 4.8 6.0 6.0 7.5 2.2 2.5.2	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6 5. 1 6. 2 6. 3 -3. 5 10. 2	7.6 7.8 8.3 12.8 7.0 5.4 6.7 7.1 24.0 14.7 8.1	2.5 7.6 7.0 6.9 11.6 3.9 7.4 6.2 6.0	11. 1 10. 7 10. 5 18. 2 8. 4 9. 0 8. 7 8. 1
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1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Nonresidential: Current dollars. 1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Structures: Current dollars. 1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index. Fixed-weighted price index. Fixed-weighted price index. Producers' durable equipment: Current dollars. 1972 dollars. Implicit price deflator. Chain price index. Fixed-weighted price index.	8.6 5.6 6.0 8.6 3.6 4.8 5.5 5.4 5.2 2.3 3.3 3.1 2.8 10.2 2.8 5.8 6.8 7.1 32.2 2.7 7.3	11. 9 7. 7 8. 2 14. 6 8. 9 5. 3 5. 8 6. 1 10. 3 3. 6 6. 4 6. 2 6. 2 11. 3 5. 7 6. 1	6. 2 5. 8 6. 2 6. 5 13. 4 9. 0 4. 1 4. 6 4. 6 1. 3 -1. 1 2. 5 2. 3 20. 4 13. 4 6. 1 5. 8 6. 1	6.6 7.1 7.3 6.7 1.8 4.0 6.0 7.5 2.2 5.1 5.2 6.2 1.6 6.4 6.5 63.3 48.8 79.7	8. 4 9. 0 10. 2 24. 5 19. 0 4. 6 5. 1 6. 2 6. 3 -3. 5 10. 2 8. 1 8. 4 34. 7 30. 5 3. 3 5 4. 8	7.6 7.8 8.3 12.8 7.0 5.4 6.7 7.1 24.0 14.1 8.6 8.3 7.6 3.9 3.6 5.7 6.3	2.5 7.6 7.0 6.9 11.6 3.7.4 6.2 6.0 10.8 7.3 3.3 4.8 4.2 12.0 2.5 3.6 9 7.1	11. 1 10. 7 10. 5 18. 2 8. 4 9. 6 6. 7 6. 8 6. 6 9. 2 9. 2 9. 6 9. 6 9. 6 9. 6 9. 6 9. 6 9. 6 9. 6

}				76		19	977	
1976	1977 р	III	IV	I	п	III	IV »	
			Se	asonall	y adjust	ted	'	
Per	Percent		Percent 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	11.7	-4.2	. ô	7. 0	5. 5	-11.5
1972 dollars	3.8	5.4	8.3	4.7	4.4	11.5	-1.3	5
Chain price indexFixed-weighted price index	3.6	5.3	7.6	5. 5	3.2	11. 2	–.3	.1
Fixed-weighted price index	3.1	5. 5	7.4	5.4	3. 9	11. 2	1	.3
Imports:							_	
Current dollars	22. 2	19. 1	29.9	13.0	35. 4	22. 1	7	-4.8 -6.0
1972 dollars	18. 4	9.4	10.8	11.0	16. 5	13. 9	-6.7	-6.0
Implicit price deflator	3.2	8. 9 7. 3	17.3	1.9	16. 2	7. 2 7. 4	6. 4 10. 3	1. 2 4. 5
Chain price index Fixed-weighted price index	2. 9 2. 5	7.6	14. 7 13. 0	4. 1 4. 0	6. 9 8. 3	8.8	8.3	5.0
Government purchases of								
goods and services:							!	1
Current dollars	6.6	9. 3	4.7	7.9	5.4	17. 9	11.0	13.3
1972 dollars	.5	2.5	. 3	.0	-1.9	10.6	6.1	4.1
Implicit price deflator	6.0	6.6	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:		11.8		10.0		00.0	12.9	16. 4
Current dollars	5.5	5.0	5. 6 2. 5	12.6	6, 6	23. 3 18. 2	8.9	2.9
1972 dollars Implicit price deflator	2 5.7	6.4	3.0	1.6 10.8	3 6.9	4.3	3.6	13.0
Chain price index	5.9	6. 2	3.8	12.3	5.5	3.3	2.5	13.7
Fixed-weighted price in-	0.9	0. 2	3.0	12. 3	0.0	0.0		
dex	5.6	6. 4	3.8	12.8	5. 6	3. 4	4.5	12. 3
State and local:								}
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 6.7	5.2	6.4	7.7	8.1	5.3	6.3
Chain price index	6, 1	6. 7	5.4	6.3	7.9	7.9	5.2	6.2
Fixed-weighted price in-	5.8	6. 6	5, 0	5.9	7.7	7.9	5.5	6.5
dex	0.8	0.0	3.0	0.9	4.1	,,,,	0.0	
Addenda:				ľ			}	}
Final sales:								10.5
Current dollars		10.6	7.9	12. 4	9.6	11.9	9.9	13.5
1972 dollars Implicit price deflator	4.5 5.2	4. 7 5. 6	3. 4 4. 4	6. 3 5. 8	3. 8 5. 6	5. 1 6. 5	4. 4 5. 3	6.8
Chain price index	5.6	6.0	4.4	5.9	6.9	7.0	4.3	6.0
Fixed-weighted price in-	0.0	0.0	4.0	0.9	0. 9	1.0	1.0	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 7, 2	13. 6	10.5	11.1
1972 dollars	5.9	4.9	3.7	1.3	7. 2	6. 1	5.3	4.5
Implicit price deflator	5.2	5. 5	4.4	5.5	5.0	7.1	4.9	6.3
Chain price index	5.6 5.6	5.9	4.5 4.6	6.0 6.1	6.7 7.0	7. 0 7. 0	4.3 4.8	6.0 6.2
Fixed-weighted price index	3. 6	6. 1	4.0	0.1	7.0	7.0	1.0	0.2
Business: Current dollars	12.0	11. 1	8.6	6. 2	13. 3	14.9	10.9	10.6
1972 dollars	6.7	$\frac{1}{5}$, $\frac{1}{5}$	4. 2	1.3	8.4	6.9	5. 6	4.8
Implicit price deflator	4.9	5. 3	4.2	4.9	4.5	7. 5	5. 1	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-	!			:				
dex	5.4	6, 0	4.5	5. 5	6.8	7.5	5.0	5.2
Nonfarm: Current dollars	12.7	11.6	9.4	7.0	13. 1	16. 9	11.7	
1972 dollars	7.1	5.8	3.4	1.4	9.0	8.4	4.8	4. 5
Implicit price deflator.	5. 2	5.6	5. 9	5.5	3, 7	8. 4 7. 8	6.7	1.0
Chain price index	5.5	6.1	5.6	6.5	5. 5	7. 5	5.6	
Fixed-weighted price								1
index	5.6	6. 3	5.9	6.7	5.8	7. 5	6. 2	
			1	1		i)	1
Disposable personal income:		10.4	67	10.0	10.1	12 4	10.0	12 /
Disposable personal income: Current dollars	9. 4 3. 8	10. 4 4. 5	6.7 1.3	10. 2 4. 9	10. 1 3. 1	13. 4 7. 3	10.0 4.3	13. 4 8. 4

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	ırs	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 3 Nondurable goods Food including beverage Textiles Paper Chemicals. Petroleum Rubber Other nondurables 6 Nonmanufacturing	5. 97 2. 99 2. 16 2. 62 5. 03 3. 62 2. 45 . 94 1. 72 4. 73 28. 81 3. 75 6. 68 11. 62 1. 10 1. 58	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. 50 3. 72 6. 77 5. 96 4. 48 1. 24 2. 33 6. 63 35. 78 4. 59 1. 05 3. 64 7. 38 15. 35 1. 62 2. 16	-1.3 -5.9 3.7 26.0 16.6 45.6 63.9 6.4 18.8 24.7 13.8 10.8 14.6 3.9 3.4 11.0 11.7	4. 6. 4. 6. 11. 12. 7 11. 15. 6. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12	
Mining Railroad Air transportation Other transportation Public utilities Electric Gas and other Communication, commercial, and other 7	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	

Estimates of New Plant and Equipment Expenditures, 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

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 guided missiles and space vehicles.
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 yearl

:	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	$\frac{7.8}{7.8}$	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.

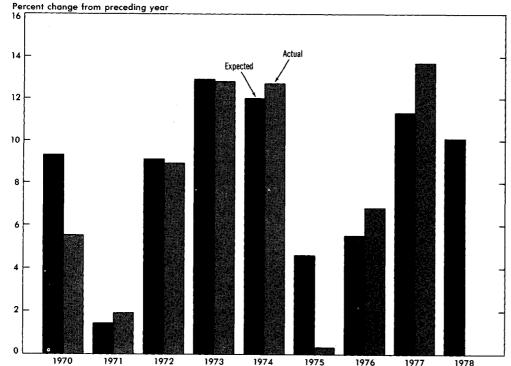
The smaller increase in manufacturers' planned spending for 1978, compared with last year's actual spending increase, is more than accounted for by four major industries—motor vehicles, rubber, electrical machinery, and petroleum. This year, these four industries plan to increase their spending only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

CHART 5

78-1-5

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 report			Ex- pected as re-
	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				
electrical	9.7	11.2	10.2	10.1
Transportation			1	1
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	10.6
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	Nov.	rted in -Dec. urvey
	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

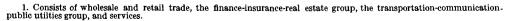
ROM the fourth quarter of 1973 to the third quarter of 1977, nonfarm income increased faster than the national average in the southern and western BEA regions (Southwest, Rocky Mountain, Far West, Plains, and Southeast) and more slowly than the national average in the Northeast-Great Lakes BEA regions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

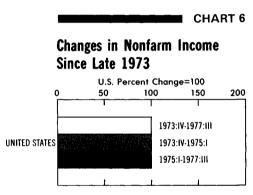
land, and Mideast). This period extends from the national cyclical peak to the most recent quarter for which regional income estimates are available, and may be divided into a recession phase, dating to the national cyclical trough in the first quarter of 1975, and an expansion phase, dating from that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

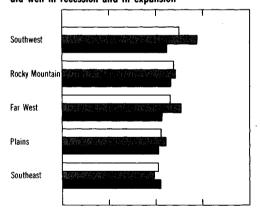
Table A.-Percent Change in Nonfarm Income and Selected Components

		V	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 govern- ment	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	54, 1 51, 8 49, 7 45, 9	50. 6 42. 3 35. 1 38. 3	49. 8 22. 3 38. 0 36. 4	51. 0 52. 9 47. 7 43. 2	55. 54. 52. 47.			
SoutheastAverage	44.7 49.2	37. 0 40. 7	11.0 31.5	46. 0 48. 2	43. 50.			
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	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: Freat Lakes. New England. Mideast. A verage.	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 A verage	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.			

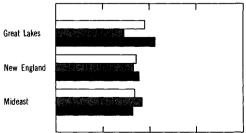




Most regions that grew at rates above national average did well in recession and in expansion



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

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 manufacturing 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]

1)	Millions of do	ollars, seasona	ally adjusted	at annual ra	tesj		
State and region		19	76			1977	
	I	11	III	IV	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	78, 300 22, 523 5, 571 37, 134 4, 718 5, 825 2, 527	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.	289, 681	294, 281	300, 842	306, 782	313, 510	321, 228	328, 167
	4, 078	4, 244	4, 257	4, 395	4, 329	4, 452	4, 571
	5, 861	5, 982	6, 107	6, 326	6, 367	6, 481	6, 600
	28, 288	28, 844	29, 326	30, 185	30, 678	31, 513	32, 145
	51, 947	52, 668	53, 771	54, 921	56, 412	58, 053	59, 342
	125, 258	126, 682	129, 804	131, 846	135, 057	137, 467	140, 270
	74, 250	75, 860	77, 577	79, 110	80, 667	83, 262	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
Plains . 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, 939	3,888
Hawaii	6, 021	6, 019	6, 099	6, 265	6, 454	6, 576	6,685
		. <u> </u>	C	ensus regions	S		<u></u>
Addenda: New England Middle Atlantic. East North Central West North Central South Atlantic East South Central West 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 (1988-77) 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.

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.

Summary Part 1: Introduction

Part 2: Costs Incurred To Protect The

Physical Environment....

A General Explanation of the Esti-

mating Procedure

The proportion of inputs diverted from production of measured

output_____

Use of incremental costs_____

Numerical illustration of effects on

Derivation of Cost Estimates____

output per unit of input_____

1. Current costs: motor vehicle

2. Current costs: air and water

4. Current costs: solid waste

5. Depreciation: motor vehicle

7. Depreciation: solid waste dis-

8. Net opportunity cost of invested capital: motor vehicle

9. Net opportunity cost of in-

disposal_____

emission abatement_____

pollution abatement except

motor vehicle emissions____
3. Current costs: payments to use

public sewer systems_____

pollution abatement except

motor vehicle emissions

posal____

emission abatement_____

vested capital: air and water

pollution abatement except

motor vehicle emissions____

10. Net opportunity cost of in-

vested capital: solid waste

disposal_____

11. Value of materials and energy reclaimed_____

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

CONTENTS

Page		Page	
21	Omitted Items	31	
	Land and inventories	31	٦
22	Noise, radiation, and pesticide		
	pollution abatement	31	a
00	Agriculture, real estate operators,		
23	and independent professional		b
	practitioners	31	S
23	Research and development ex-		r
	penditures	32	a
			(
23	Index of Effect of Pollution Abate-		
24	ment Costs Upon Output Per		ŗ
	Unit of Input	32	(
24	D . O G . T		t
	Part 3: Costs Incurred To Protect the		S
25	Safety and Health of Workers	32	7
	Sefeter Description of the Material		c
26	Safety Requirements for Motor	99	n
	Vehicles	33	
	AutomobilesTrucks	33 33	a
26	Total incremental cost	34	S
07	Total incremental cost	94	\mathbf{c}
27	Mining Industries	34	fi
07	Mining Industries.	91	A
27	Industries Other Than Mining	36	_
28	madding outer man mining-	30	_
20	Index of Effect of Costs of Protecting		a
	Worker Safety and Health Upon		u
28	Output Per Unit of Input	37	n
20	•		p
28	Part 4: Costs of Dishonesty and Crime.	37	if
			c
	Costs of Protection	38	c
28	Protection that firms provide for		
	themselves	39	n
	Protection purchased from special-	40	S
	ized firmsIndex of effects of costs of protec-	40	t.
30	tion	40	Γ
	010/11	±0	1
	Thefts of Merchandise and Damage		1
30	to Property	40	t
31	Part 5: Combined Effects	42	(8

Summary

N the last decade, the institutional and human environment within which business must operate has changed in several ways that adversely affect outout 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 neasured output that is produced by any given amount of input. By "measured" output, I mean national income or net national product as deined by the Bureau of Economic Analysis.

By 1975, the last year for which this rticle provides estimates, output per nit of input in the nonresidential busiless sector of the economy was 1.8 percent smaller than it would have been f business had operated under 1967 conditions. Of this amount, 1.0 perent is ascribable to pollution abatenent and 0.4 percent each to employee afety and health programs and to the he increase in dishonesty and crime. The reductions had been small in 968-70 but were rising rapidly in the 970's. The increase in their size cut he annual change in output per unit See footnotes at end of article)

Mr. Denison is a Senior Fellow of The Brookings Institution. Estimates described in this article are part of a comprehensive study of U.S. economic growth in which he is engaged. Financial support for the study was provided in part by National Science Foundation Grant 75–23131 to the Institution. Views expressed are the author's and should not be ascribed to the trustees, officers, or other staff members of the Institution or to the Foundation or to the U.S. Department of Commerce.

The author is greatly indebted to Frank W. Segel, Gary L. Rutledge, and Frederick J. Dreiling of the Abatement and Control Expenditures Branch, Bureau of Economic Analysis, not only for information concerning costs of environmental protection but also for a number of suggestions that led to improvement in both his estimates and their presentation. Henry M. Peskin and Leonard Gianessi of the staff of Resources for the Future provided very helpful advice in the initial stage of estimation, and valuable comments on a preliminary draft of this article. Jack Alterman, Carol S. Carson, George Jaszi, Sharon Roach, and Billy L. Wayson are among others who provided particularly useful comments. Assistance in the project by Genevieve B. Wimsatt is gratefully acknowledged.

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.⁴ 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 .1	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	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]

	[MIIII	ions of d	Ullaisj						
	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 b) Equipment leasing, materials, supplies, services, and other.	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 6. Air and water pollution abatement except motor vehicle emissions. 7. Solid waste disposal	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 1	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.	0	8	17	27	48	74	93	136	266
Total incremental cost	0	276	658	1, 313	2, 185	3, 210	4, 599	6, 896	9, 549

^{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: Denison	3. 4	1. 2	2. 2	
CEQ	3. 0	1. 3	1. 7	
1975; Denison	4. 4	1. 2	3. 2	
CEQ	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)		Incremental pollution abatement costs (millions of dollars)		Ratios of input diverted to pollution abatement to input not so diverted			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 1968 1969 1970	595. 5 610. 3 650. 9	566. 7 619. 7 666. 4 685. 8 734. 7	0 84 218 512 882	0 192 440 801 1,303	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
1972 1973 1974 1975	724. 6 817. 3 862 2 916. 5	814. 5 914. 9 970. 1 1,032. 6	1, 327 1, 895 2, 773 3, 894	1, 303 1, 883 2, 704 4, 123 5, 685	. 00183 . 00232 . 00322 . 00425	. 00231 . 00296 . 00425 . 00551	. 00414 . 00528 . 00747 . 00976	. 00412 . 00525 . 00741 . 00967	. 99588 . 99475 . 99259 . 99033	100.00 99.89 99.67 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

	[Millions of dollars]										
	Costs of new provisions for safety, automobiles,	Net capital stock of incremental safety equipment, average for year,		Depreciation, current prices		Net opportunity cost of invested capital, current prices		Total incremental cost of safety equipment			
	model year	current	prices					Millions of	Percentage of		
	Dollars	Autos	Trucks	Autos	Trucks	Autos	Trucks	dollars (Cols. 4+5+6+7)	nonresidential 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 .02		
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	. 03 . 03 . 04 . 06		
1975 1976	10. 70 13. 40	2, 701	921	368	134	286	98	886	.09		

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 inaccordancewith 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

		t per employee =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	
	(1)	(2)	(3)	(4)	(5)	(6)	
1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975.	101. 3 99. 6 97. 5 87. 4 83. 3 81. 9 76. 9 70. 9	2 101. 3 107. 9 114. 9 122. 4 130. 3 138. 8 147. 8 157. 4	1, 000 . 923 . 849 . 714 . 639 . 590 . 520 . 450	133 136 146 148 161 161 180 214	133 126 124 106 103 95 94 96	0 10 22 42 58 66 87 118	

Full-time and part-time employment.
 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 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 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

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

	Employme	ent required by	r strengthened Iron	Copper	Other metal	housands) Total mining	Col. 6 as a percentage of 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 5 7 13 12	3 4 4 7 8	10 22 50 71 80 116 160	0. 02 . 04 . 08 . 11 . 12 . 17 . 24

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

		s in current ices	Expendi- tures in constant (1972) prices
	Millions of dollars	Percentage lions of nonfarm Milli	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

]	Total incremental costs as percent-			
	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	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	output in	Ratio of input	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:	

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

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

	Receipts (millions of dollars)				Wage and		ers employed i sands)	n March
	Detective agencies and protective services	Armored car 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.

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.

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 <i>County</i>		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 1960 1964 1967 1969	1 21 n.a. 62 97	1 12 n.a. 48 79	n.a. ² 24 n.a. n.a.	n.a. n.a. n.a. n.a.	n.a. n.a. n.a. n.a.	
1970	152 164 183	144 163 193	² 61 n.a. n.a.	n.a. 20 20	n.a. 239 281	
1973 1974 1975 1976	203 250 253 n.a.	220 288 320 n.a.	n.a. n.a. n.a. n.a.	21 21 19 21	272 311 332 352	

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.

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).

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 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

	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 c	rime (billions o	of dollars)	Nonresiden- tial business national in-	Costs of crime as percentages of nonresidential business national 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	

n.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 dollars 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

		Indexes, 1972=100				ntage change in inc	lexes from previou	year
	Pollution abatement (table 4)	Worker safety and health (table 10)	Dishonesty and crime (table 13)	Total	Pollution abatement	Worker safety and health	Dishonesty and crime	Total
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1970 1971	100. 41 100. 41 100. 41 100. 41 100. 41 100. 41 100. 41 100. 41 100. 41 100. 37 100. 31 100. 21 100. 10	100. 17 100. 17	100. 33 100. 27 100. 28 100. 22 100. 20 100. 20 100. 17 100. 15 100. 16 100. 09 100. 04 99. 98 99. 91 99. 89 199. 89	100. 91 100. 85 100. 86 100. 88 100. 78 100. 75 100. 73 100. 74 100. 72 100. 67 100. 58 100. 43 100. 23 100. 04			-0.06 .010602 .000302 .01050505060702 .11	-0.0 -0.0000000000000
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	2 4 5

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. 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 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. Weldenbaum, 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 p	nge from pre- riod, fixed- price index , line 100)	Percent chan ceding per price i (Table 8.9	iod, chain index
	Published	Correct	Published	Correct	Published	Correct
1973	104. 1	104. 0	4. 1	4. 0	4. 1	4. 0
1974	116. 4	115. 5	11. 9	11. 1	11. 4	10. 6
1975	127. 7	127. 4	9. 7	10. 3	(*)	(*)
1976	134. 7	134. 5	5. 5	5. 6	(*)	(*)
1974:I	106. 6	106. 8	9. 8	9. 5	(*)	(*)
1974:I	110. 5	109. 5	15. 5	10. 5	15. 5	10. 2
1974:II	114. 4	113. 7	14. 8	16. 4	(*)	(*)
1974:III	118. 1	117. 3	13. 7	13. 3	(*)	(*)
1974:IV	121. 8	120. 8	12. 9	12. 2	(*)	(*)
1975:II	124. 7	124. 2	9. 8	11. 8	(*)	(*)
1975:III	126. 3	126. 0	5. 4	5. 9	(*)	(*)
1975:III	128. 4	128. 1	6. 7	6. 9	(*)	(*)
1975:IV	130. 2	130. 0	5. 7	6. 1	(*)	(*)
1976:I	131. 7	131. 6	(*)	(*)	(*)	(*)
	133. 3	133. 0	5. 0	4. 4	(*)	(*)
	135. 2	134. 9	5. 5	5. 9	(*)	(*)
	137. 2	137. 1	6. 2	6. 7	(*)	(*)
1977:I	139. 4	139. 0	6. 5	5. 8	(*)	(*)
1977:II	141. 9	141. 6	7. 2	7. 5		(*)

^{*}Correct as published.

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	I	II	III	IV	I	ıı	III	IV	I	II	III	IVp
							Seas	onally a	djusted o	quarterly	totals at	annual	rates			

GENERAL BUSINESS INDICATORS—Quarterly Series

NATIONAL INCOME AND PRODUCT Gross national product, total†.....bil.\$.. 1, 412, 9 1, 528, 8 . 706, 5 452, 4 453. 9 496. 6 . 564. 9 600.7 651, 2 1,691.9 1, 727, 3 1, 755, 4 . 810. 8 1,915.9 1, 965, 1 Personal consumption expenditures, total..do... 889, 6 , 094. 0 916. 2 936. 5 9**6**5. 9 995.1 , 024. 1 056.0 , 078. 5 1, 102. 2 , 139. 0 , 172, 4 l, 194. 0 1.218.9 . 255. 3 980.4 Durable goods, total ?.....do. Motor vehicles and parts....do. Furniture and household equipment..do... 127. 8 49. 9 57. 4 178.6 177.6 184.6 122.0 177. 0 118.7 153.3 156. 7 159.3 166. 3 44. 8 54. 7 48. 0 54. 8 56. 5 58. 7 53. 9 58. 0 71. 9 63. 9 71. 0 63. 0 72, 1 63, 9 75. 7 66. 5 85.3 67.4 84. 5 69. 3 84. 1 73. 9 81.2 70.9 61.0 409, 3 70, 2 209, 5 39, 1 442. 7 76. 3 225. 5 41. 4 474. 4 80. 4 244. 8 44. 3 497. 7 87. 5 254. 2 46. 4 388. 5 65. 0 198. 1 39. 2 394. 0 66. 6 202. 6 38. 2 430. 4 74. 2 219. 3 40. 6 437. 1 74. 3 223. 9 40. 3 458. 8 79. 9 232. 0 43. 5 406. 4 466, 6 481 8 69. 8 207. 9 39. 7 215. 4 39. 1 41. 2 39. 8 $\begin{array}{cccc} Services, total \, \mathbb{Q} & do \\ Ilousehold operation & do \\ Housing & do \\ Transportation & do \\ \end{array}$ 438. 2 64. 2 150. 8 32. 2 472. 4 69. 5 161. 5 391.3 492.3 408.9 419.7 61.4 145.1 431. 7 63. 7 148. 5 31. 6 498. 2 528.8 541. 1 572. 9 457.9 484. 6 513. 9 443. 4 65. 3 73. 0 167. 9 36. 8 59. 3 141. 7 31. 6 66. 3 157. 2 33. 2 70. 4 166. 2 36. 3 73. 1 170. 4 37. 6 85. 2 186. 7 42. 3 78. 8 173. 7 87. 2 191. 6 79. 2 181. 9 136. 5 30. 7 152, 4 32, 2 43. 1 Gross private domestic investment, total...do... 303. 6 214.6 189. 1 243, 3 210, 4 175.1 171.2 205.4 204.7 231.3 244.4 254.3 243.4 271.8 294.9307.0 Fixed investment do Nonresidential do do 205. 7 150. 6 54. 5 96. 2 273, 2 182, 4 280. 0 187. 5 62. 6 124. 9 295. 1 195. 5 200.6 230, 0 161, 9 203 6 182. 4 61. 0 121. 4 159. 8 55. 8 104. 0 149.8 53.3 96.5 155, 4 54, 7 100, 8 164. 52.9 96.3 51. 9 95. 7 64, 9 130, 7 55. 8 106. 1 55. **6** 97. 5 52.8 95.4 56. 0 109. 0 57. 0 110. 6 53. 4 97. 4 57. 9 119. 2 Residential do Change in business inventories do Nonfarm do 51. 5 -11. 5 -15. 1 76. 7 55. 1 50.5 52, 3 57. € 66. 3 -3.6 -9.28.9 10.8 -22, 0-25, 921.7 22.4 23. 6 23. 1 11.9 10.4 6.8 10.7 1.4 -26.9Net exports of goods and services.....do... 15. 4 147. 4 131. 9 24. 3 142. 7 118. 3 20. 8 146. 9 126. 1 20. 8 152. 1 131. 3 10. 2 160. 6 150. 4 -10.8 179. 9 187. 4 174. 3 185. 1 Exports.....do...Imports......do... 335. 2 121. 8 83. 0 213. 3 Govt. purchases of goods and services, total do... 338. 9 123. 3 83. 9 215. 6 351. 0 128. 1 86. 7 222. 9 358. 9 128. 5 86. 0 230. 4 317.5 116.9 343. 5 123. 8 Federal do National defense do State and local do 119. 6 81. 6 206. 4 134. 2 88. 4 235. 8 136. 3 89. 7 238. 5 130. 2 86. 8 231. 2 86. 4 232. 7 93. 4 247. 0 98. 6 259. 8 79. **6** 200. 7 1,892.2 819. 9 332. 1 487. 8 881. 6 190. 7 521. 7 692. 9 263. 8 429. 1 689. 5 139. 3 673. 7 743. 4 294. 9 448. 5 770. 8 159. 4 , 953. 2 849. 6 344. 9 504. 8 903. 1 200. 4 , 540, 3 697, 7 267, 5 430, 2 699, 2 ,506. 6 706. 6 272. 5 434. 2 708. 4 145. 0 636. 7 730. 0 287. 6 442. 4 751. 6 155. 0 , 705, 8 754, 5 302, 7 75**6.** 3 775. **6** 312, 0 , 848, 2 805, 4 329, 5 475, 9 693, 1 750, 9 629.7 240.8 299. 3 451. 6 782. 0 160. 2 326. 6 465. 6 833. 7 171. 2 699, 2 143, 5 855. 3 187. 5 Change in business inventories.....do... 23. 6 10. 3 13. 4 11. 9 5. 5 6. 4 6.8 12.2 -5.4 18.3 7.0 11.2 13, 3 13.8 -3.6 -10.3 6.7 -25, 1 -11, 7 -13, 4 $-12.8 \\ -9.2$ Nondurable goods.....do...do... GNP in constant (1972) dollars† Gross national product, total†....bil.\$__ . 330. 7 , 361. 4 1, 217, 8 1, 202, 1 . 274. 7 199.7 169.8 . 188. 2 . 220. 7 . 229. 8 256.0 271.5 1, 283, 7 1, 287, 4 311.0 1.347.4 Personal consumption expenditures, total..do... 876.4 760. 7 752. 9 756. 9 807. 2 822.7 839. 8 850, 4 854. 1 860.4 775.1 821.3 770.4 780, 2 792.8 815.5 Durable goods do Nondurable goods do Services do 104. 3 301. 2 347. 4 109, 0 308, 4 353, 0 136 9 330. 0 386. 3 332. 4 391. 4 340. 9 394. 7 311.5 361.2 Gross private domestic investment, total...do... 200.8 197.6 183.6 141.6 173.0 170.6 133.0 130.9 153, 1 149.2 168.1 175, 2 179.4 169, 2 186.7 197.2 Fixed investment do Nonresidential do Residential do Change in business inventories do

163. 8 124. 1 39. 7

39. 7 6. 8

17.9

258. 3 95. 7 162. 6

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148.9 112.0

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262.3

96. 5 165. 8

164.5 116.8

47. 7 8. 5

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96. 5 167. 9

150. 2 111. 0

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264.8

96. 9 167. 8

153, 8 111, 3

42. 6 -4. 6

22.3

265. 4

168.0

158. 4 113. 7

16.8

2**63.** 9

96. 4 167. 5

175. 6 130. 6

8.0

15.9

257. 7 95. 8

151, 5 112, 7

38.8 -9.9

22.5

263. 0

96. 7 166. 3

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.

165. 6 118. 5

47. 1 13. 8

17.0

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96. 7 168. 0

163, 1 115, 9

47. 1 12. 1

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177. 0 124. 3

52. 7 9. 7

10.6

97. 0 166. 4

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9.4

270, 0 101, 1 168, 9

59.8 7.7

10,6

276. 8 104. 1 172. 8

185. 1 127. 6

57.5 15.7

12.2

274. 0 103. 3 170. 7

Net exports of goods and services.....do...

Govt. purchases of goods and services, total_do___

State and local do do

r Revised. P 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):

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1974	1975	1976		19	75			19	76			19	977		1978
the 1975 edition of BUSINESS STATISTICS	A	nnual tota	ıl	I	II	III	IV	I	п	III	IV	I	II	III	IVP	I
GENER	AL B	USINI	ESS I	NDI	САТО	RS—(Quart	erly !	Series	Cor	ıtinu	ed	`	·	·	
NATIONAL INCOME AND PRODUCT†—Con.																
Quarterly Data Seasonally Adjusted											į					
Implicit price deflators:† Gross national product	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	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	
Fixed investment	117. 1 115. 3 122. 3	132. 4 132. 3 132. 8	139. 8 138. 7 142. 5	128. 9 128. 5 130. 3	131. 8 131. 8 131. 7	133. 5 133. 6 133. 2	135. 5 135. 5 135. 4	136, 9 136, 8 137, 1	138. 6 137. 8 140. 7	140. 6 139. 2 144. 1	142. 9 140. 9 147. 5	145. 8 142. 5 153. 7	148. 5 144. 4 157. 6	151, 3 146, 9 160, 9	155, 3 150, 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	1	•		ĺ		•							ļ			
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	1, 450. 2	1	1,540.5		
Compensation of employees, total do. Wages and salaries total do. Govt. and govt. enterprises do. Other do. Supplements to wages and salaries do.	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	1,027, 1 206, 9 820, 2	
Proprietors' income with inventory valuation and capital consumption adjustments, total bil. \$ Farm do. Nonfarm do. Rental income of persons with capital consump-	86. 2 25. 4 60. 9	86. 0 23. 2 62. 8	88. 0 18. 6 69. 4	78. 9 18. 3 60. 6	84. 3 22. 7 61. 6	90. 4 26. 2 64. 2	90. 4 25. 5 64. 9	86, 9 20, 0 66, 9	90. 4 21. 6 68. 8	86. 2 16. 2 70. 0	88. 7 16. 6 72. 0	95. 1 20. 7 74. 3	97. 0 19. 7 77. 3	95. 5 15. 5 80. 0	104. 2 22. 1 82. 0	
tion adjustmentbil. \$	21.4	22, 3	23, 3	22. 1	22, 3	22. 2	22.6	23.0	22. 9	23, 3	24. 1	24, 5	24.9	25. 5	26, 4	
Corp. profits with inventory valuation and capital consumption adjustments, totalbil. \$ Corp. profits with invent. val. adj.: Domestic, totaldo	83. 6 76. 9	99. 3 105. 4	128. 1 134. 6	74.0 77.2	92, 7 98, 4	115. 6 122. 6	114. 7 123. 2	126. 5 132. 4	129. 2 136. 1	133. 5 139. 8	123. 1 130. 2	125, 4 131, 0	140, 2 145, 5	149. 0 157. 4		
Financial do Nonfinancial, total \(\text{\chi} \) do Manufacturing, total \(\text{\chi} \) do	14. 4 62. 5 36. 6	15. 0 90. 3 47. 9	18. 2 116. 4 66. 3	15. 1 62. 1 29. 4	14. 3 84. 1 43. 4	14.7 107.9 59.6	16. 1 107. 1 59. 1	17. 8 114. 6 65. 3	18. 1 118. 0 68. 7	18. 4 121. 3 68. 4	18. 4 111. 8 62. 9	19. 2 111. 8 65. 2	19. 9 125. 5 76. 4	21. 2 136. 1 77. 6		
Durable goods do	11.5 5.6 9.6	9, 3 6, 1	29. 9 11. 5 8. 1	9. 0 5. 3 6. 0	15. 4 8. 5 6. 2	25. 9 11. 1 6. 3	23. 8 12. 1 6. 9	27. 2 11. 1 8. 6	32. 5 12. 1 7. 6	31. 0 12. 2 8. 4	29. 0 10. 4 7. 7	31. 5 11. 6 10. 1	39. 4 11. 5 10. 7	37. 5 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 doCapital consumption adjustment do	-40.4 -2.9 69.0	$ \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							32.0	00.0	00.0			00.0		150.1	100.1	
Personal income, total. bil. \$. Less: Personal tax and nontax payments. do Equals: Disposable personal income. do. Less: Personal outlays@ do. Equals: Personal saving\$. do.	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 do Gas and other do Communication do Commercial and other do	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	1146, 26 64, 14 30, 46 33, 68
Nonmanufacturing do Mining do Go Railroad do Air transportation do Other transportation do 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				20, 28 17, 03 3, 25 13, 36	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	4.31	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. Q Includes data for items not shown separately. 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.

Juless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1974	1975	1976	1974		19	75	1		19	76	1	 	197	7 p	I
the 1975 edition of BUSINESS STATISTICS	A	nnual tota	al	IV	1	11	111	IV	I	II	III	IV	1	11	III	IV
GENER	AL B	USINI	ESS I	NDIC	ATO	RS—(Quart	erly S	eries-	-Con	tinue	d				
U.S. INTERNATIONAL TRANSACTIONS																_
Quarterly Data Are Seasonally Adjusted (Credits +; debits -)								:								
exports of goods and services (excl. transfers under military grants)mil. \$	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 1, 714	45, 402 30, 869 2, 008	
tracts	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	6, 660 5, 987	6, 430 6, 095	
mports of goods and services	-103,673 -5,035	-131,436 -98,043 -4,795	-124.014 -4,847	-36,713 -27,996 -1,319	-34,199 -25,563 -1,317	-30,688 -22,566 -1,185	-32,645 -24,483 -1,096	-33,906 -25,431 -1,198	-37,039 -28,343 -1,160	-38,732 -29,955 -1,228	-41,321 -32,411 -1,237	-42,580 -33,305 -1,222	-46,069 -36,561 -1,329	-48,340 -38,347 -1,403	-48,352 -38,378 -1,431	
U.S. mil. \$_ Other services do	-11, 019 -16, 416		-11.561 -19,247	-3, 029 -4, 369	-3, 052 -4, 267	-2,799 -4,138	-2,784 $-4,282$	$-2,741 \\ -4,536$	-2,861 $-4,675$	-2,887 $-4,662$	-2,816 $-4,857$	-2,997 $-5,056$	-2,881 $-5,298$	-3, 156 -5, 434	-3, 215 -5, 326	
Inilateral 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	
I.S. assets abroad, net	-27, 029 -1, 434 -365 -25, 960 -1, 368	-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	
Coreign 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	
.llocation of special drawing rightsdotatistical discrepancydo	-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	
alance on merchandise trade do_ alance on goods and services do_ alance on goods, services, and remittances do_ alance on current account do_	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	
Inless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	076						19)77	1		1	ı	
the 1975 edition of BUSINESS STATISTICS	An	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 S	Series						
PERSONAL INCOME BY SOURCE†																
easonally 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	r1,583.8	r1,599.6	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. 7 236. 8	974. 1 341. 7 262. 8 239. 6	982, 0 345, 3 266, 2 241, 1	986. 5 349. 1 268. 7 240. 9	992. 9 350. 6 269. 8 242. 8	269. 2	352. 9 271. 1	r 275. 3	7 361. 0	36
Service industries do. Govt. and govt. enterprises do. Other labor income. Proprietors' income: \triangle Farm. do.	159. 9 175. 4 64. 9 23. 2	179, 0 187, 2 75, 9	186. 6 192. 7 80. 0	188, 4 193, 3 81, 0	191. 4 194. 0 82. 1 19. 6	192. 7 194. 8 83. 2 21. 0	194. 9 195. 6 84. 4 21. 7	196. 4 196. 4 85. 5	198. 3 197. 2 86. 7	198. 4 198. 1 87. 9	200. 4 199. 1 89. 1 16. 5	203. 2 200. 7 90. 3 15. 1	202. 1 91. 5	7 208. 8 205. 8 92. 8	7 209. 3 207. 1 94. 0 7 20. 6	20
Rental income of persons with capital con-	62.8	69.4	72.1	73. 2	72.5	74.4	76.0	76.9	77.2	77.6	79.2	80, 2	80.8	7 81. 5	* 82. 1	8
sumption adjustment bil. \$ Dividends do Personal interest income do Transfer payments do Less personal contributions for social insurance bill. \$ Total nonfarm income do	. 176.8 50.4	23, 3 35, 8 130, 3 192, 8 55, 2 1, 351, 3	198.4	24. 4 41. 2 137. 6 200. 0 57. 0 1, 418. 5	24. 4 37. 9 139. 0 200. 5 59. 0	24, 6 38, 5 140, 3 203, 0 59, 6	141.8		39, 6 145, 2 202, 9 60, 9	147. 4 200. 0 61. 0	207. 2 61. 5	150, 4 208, 6 61, 6	42.6 151.3 210.2 62.0	42.7 153.1 210.9	7 213. 1 7 62. 9	18 21
FARM INCOME AND MARKETING:	1,020.0	1,001,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , ,	,,,,,,,,,	, 200.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,				
ash receipts from farming, including Government payments, total‡mil. \$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 Q do Dairy products do Meat animals do Poultry and eggs do	45, 053 43, 024 9, 909 25, 818	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	6, 632 2, 987 3, 645 879 2, 181 544	6, 847 2, 897 3, 950 982 2, 309 620	6, 486 2, 694 3, 792 996 2, 161 583	2,824 4,004 1,042 2,326	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	
ndexes of cash receipts from marketings and CCC loans, unadjusted.; All commodities	206	220 260 190	280 401 189	241 312 188	226 290 178	186 194 179	192 189 194		191 184	202	232	239	256	365	385	
ndexes of volume of farm marketings, unadjusted:‡ All commodities	113	121 134	162 221	135 166	123 146	102 96	103									'

r Revised, p Preliminary. †See corresponding note on p. S-1. \triangle Includes inventory valuation and capital consumption adjustments. †Series revised beginning 1973;

revisions for periods prior to May 1976 are available from the U.S. Dept. of Agr., Economic Research Service. • Includes data for items not shown separately.

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	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. 1
	GEN	ERAI	BUS	SINES	SS IN	DICA	TOR	S—Co	ntinu	ıed						
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, totaldodo	119.3	129.3	131.9	127.1	128, 4 127, 2	132.9	134. 3	135.0	135. 9	141.5	135. 0	139. 5	145.1	7 144. 1	140.0	133. 5
Final products	118.2 124.0 121.4	127. 2 136. 2 141. 4	129. 7 138. 2 147. 1	125, 1 131, 0 137, 1	127, 2 135, 0 142, 2	131. 7 140. 1 150. 8	132.6 141.9 156.7	133, 1 141, 8 155, 6	133. 5 142. 0 156. 8	139. 4 149. 2 164. 2	132, 5 140, 0 142, 3	136. 4 145. 9 140. 0	7 142.9 7 152.9 7 158.8	141.9 152.5 168.3	137. 5 145. 6 158. 1	131. 2 136. 2 144. 3
Nondurable consumer goods do Equipment do do	125. 1 110. 2	184, 1 114, 6	134. 7 117. 9	128.6 116.8	132. 1 116. 5	135. 8 120. 0	136. 0 119. 8	136. 3 121. 1	136. 1 121, 9	143. 3 126. 0	139. 1 122. 1	148. 2 123. 5	7 150. 5 129. 2	7 146. 3 127. 4	140. 6 126. 4	133. 0 124. 2
Intermediate products do do Materials do do	123.1 115.5	137. 2 130. 6	140. 1 132. 4	134. 3 130. 1	133, 2 129, 3	137. 4 134. 5	140. 4 137. 7	142. 5 137. 7	144, 7 139, 2	149. 2 141. 4	144, 5 132, 6	150, 9 136, 3	7 153. 2 7 138. 0	7 152. 2 140. 8	149. 0 139. 7	142.3 137.0
By industry groupings: Mining and utilitiesdo	128.5	131.6	132. 2	136. 5	140. 1	138. 1	125. 0	132. 4	132. 6	136. 9	140.6	138. 8	r 137. 3	r 133. 5	134. 2	135. 3
Manufacturing do Nondurable manufactures do	116.3 126.4	129.5 140.9	132. 0 143. 3	127. 1 136. 0	127. 2 137. 0	132.8 143.2	135. 7 146. 0	136. 4 146. 3	137. 8 147. 8	141. 9 152. 8	133. 2 144. 1	138. 2 154. 1	r 142.8 r 156.2	r 144. 0 r 155. 9	140. 3 151. 0	134. 5 142. 9
Durable manufacturesdo	109.3	121.7	124. 2	120.8	120.5	125.7	128. 5	129.7	130.8	134. 3	125. 6	127. 2	133.7	* 135. 7	132.8	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:						100.0	105.1	105 0	100 5	107.0	100.7	100.4	120.0	120.0	139.3	140.0
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	137. 0 145. 7	137. 6 146. 2
Durable consumer goodsdoAutomotive productsdo	121. 4 125. 8	141. 4 154. 8	143. 7 161. 6	150. 5 178. 8	145. 4 164. 2	146. 1 161. 7	152. 4 178. 3	151. 5 173. 9	152. 2 172. 8	155.8 179.8	158.0 184.8	154. 7 177. 2	7 155. 6 7 177. 0	* 157. 2 * 180. 1	155. 6 173. 7	155. 9 173. 5
Autos and utility vehiclesdo Autosdo Auto parts and allied goodsdo	113.7 101.1	149.8 132.0	154. 0 138. 4	176. 9 156. 3	155. 8 136. 9	152.7 132.8	176. 1 155. 8	171. 2 150. 6	167. 4 148. 5	177. 4 156. 8	184. 1 161. 4	173. 1 150. 9	7 172. 6 151. 6	7 176. 7 154. 3	167. 7 147. 5	166. 7 143. 6
Auto parts and allied goodsdo Home goodsdo Appliances, air cond., and TVdo	118.8	167. 6 133. 9	180, 5 133, 7	183, 4	185, 6 134, 8	184. 3 137. 3 118. 5	184. 1 137. 9 124, 1	181. 3 138. 8 126. 4	186. 6 140. 6 131. 0	185. 8 142. 3 133. 1	186. 6 142. 9 130. 1	187. 3 142. 1 129. 6	7 188. 1 7 143. 6 129. 4	7 144. 4 7 129. 8	189. 2 145. 3 133. 1	191. 0 146. 2 133. 0
Carpeting and furnituredo	98. 0 126. 8	114.6 144.1	114, 9 143, 6	110.3 144.7	113.4 143.7	146.0	144.6	145.0	147.3	151. 2	154.1	154.8	159.0	r 160.0	158.9	
Nondurable consumer goods do	125, 1 111, 6	134.1 124.0	136. 2 123. 1	137. 6 124. 1	137. 7 123. 7	138.3 123.6	139. 1 123. 9	139.4 124.4	139.5 125.5	139. 1 125. 7	140.3 124.1	140. 6 126. 4 144. 6	7 140. 7 7 128. 3 7 144. 1	140. 5 128. 9 7 143. 8	141.6	142. 2 145. 5
Consumer staples do Nonfood staples do do do Nonfood staples do	128, 8 122, 8 135, 8	136. 9 130. 7 144. 1	139, 8 132, 4 148, 2	141. 3 131. 8 152. 3	141. 7 131. 5 153. 4	142, 2 133, 3 152, 6	143. 3 136. 0 151. 8	143. 6 126. 1 152. 5	143. 4 135. 0 153. 2	142. 9 135. 4 151. 7	144. 8 137. 1 153. 8	137. 9 152. 4	, 137. 1 , 152. 4	7 136. 2 7 152. 7	137. 0 154. 4	154. 7
Equipmentdo Business equipmentdo	110. 2 128. 2	114.6 136.3	116, 8 140, 1	118.0 142.3	118.4 142.3	119. 2 143. 5	120.0 144.8	122.1 147.1	123. 2 148. 9	124. 1 150. 1	124, 8 151, 2	124. 9 151. 1	125. 6 - 152. 1	r 124. 9 r 152. 3	125. 3 152. 7	126. 0 153. 3
Industrial equipment 9do Building and mining equipment do Manufacturing equipmentdo	121. 2 168. 3 99. 9	128.0 177.7 106.5	131.1 181.5 109.9	132, 3 183, 7 110, 8	131.3 187.4 107.8	133. 2 192. 9 108. 5	134. 4 197. 9 109. 0	136. 3 200. 5 112. 0	138. 4 205. 3 112. 8	140. 0 208. 1 115. 0	140, 7 210, 6 114, 3	140. 4 203. 9 115. 3	141. 4 204. 5 117. 6	7 141.6 7 204.9 7 118.8	142. 2 203. 5 119. 3	143, 1 204, 8 120, 1
Commercial, transit, farm eq. \$do Commercial equipmentdo	136.3 157.8	145.8 173.5	150. 6 179. 6	154.1 184.3	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
Transit equipmentdo Defense and space equipmentdo	101. 9 80. 0	104. 1 78. 4	107. 8 77. 6	108. 0 77. 2	78.0	78.5	78.5	79.9	80.0	80. 3	80.4	80.8	80. 9	→ 78. 9	79. 2	79.9
Intermediate products do	123, 1	137. 2	139.0	140.5	142.2	141.6	141.8	142.3	143.5 138.7	144. 7 139. 9	146.3 141.2	146. 1 141. 7	7 146. 5 7 143. 2	- 147. 0 - 144. 4	147. 9 146. 0	149. 2 147. 1
Construction suppliesdododo	116. 3 129. 8 115. 5	132. 6 141. 8 130. 6	135, 8 141, 9 131, 9	135, 5 145, 3 132, 0	136. 2 148. 0 131. 1	135. 6 147. 6 132. 7	136, 4 147, 3	137. 2 147. 5	138. 7 148. 4 137. 8	149. 6 138. 7	151. 3	150. 6 137. 6	r 149. 7	r 149. 7	149. 8	139. 1
Materialsdo Durable goods materials ♀do Durable consumer partsdo	109.1 97.7	126. 8 121. 6	128. 2 126. 2	128.7 126.3	127. 4 121. 8	128. 4 124. 1	131.9 126.8	133.8 129.4	135, 2 132, 0	136. 4 134. 5	136. 8 137. 2	135. 4 135. 2	135. 7 135. 8	* 137. 0 * 136. 0	137.3 136.7	138.3 137.7
Equipment parts	118.9 126.6 129.0	133. 9 146. 3 151. 1	137. 2 147. 3 151. 4	138. 8 145. 8 150. 3	135. 1 144. 8 149. 3	137. 3 150. 4 153. 9	157.8 153.3 158.4	140. 7 153. 7 159. 0	141. 7 155. 4 160. 7	143. 0 154. 7 160. 1	145, 0 154, 1 158, 9	145. 6 155. 1 159. 6	146.8 r 153.9 r 159.0	7 147. 2 7 154. 7 7 159. 9	147. 9 155. 7 160. 0	149. 0 156. 7 160. 9
Energy materialsdo	117.2	120. 2	121. 9	123. 4	123, 3	120.8	121.8	121, 3	122. 3	124.3	125, 2	121. 4	r 123. 5	123.9	123. 3	
By industry groupings: Mining and utilitiesdo Miningdo	128.5 112,8	131.6 114.2	153. 8 115. 3	135. 4 115. 4	137. 0 112. 8	137. 1 116. 3	136, 6 120, 6	135.7 119.2	137. 1 119. 5	138. 8 122. 8	139. 4 119. 8	134. 4 115. 4	7 135. 1 7 118. 0	7 135. 3 7 119. 1	136. 0 118. 3	134. 3 113. 4
Metal mining do do Coal do	115.8 113.4	122. 8 117. 2	124, 5 122, 1	126. 8 120. 6	130. 6 95. 3	128. 5 100. 8	133. 8 124. 1	126. 1 118. 4	120. 5 122. 4	121. 3 133. 4	101. 9 120. 7	70. 0 113. 6	71. 4 133. 0	79.8 141.4	84. 6 140. 6	74. 6
Oil and gas extraction 9do Crude oildo	113.3 94.9	112.0 92.2	112.3 91.2	112.8 91.5	112.0 89.7	115.8 91.3	117.5 90.7	117.5 91.0	118.3 89.3	121. 3 93. 9	120.6 94.3	119.3 92.8	r 119.6 94.7	* 118.9 93.7	117. 2 92. 3	117.8
Natural gas do Stone and earth minerals do	111. 0 107. 0	109. 5 118. 3	108. 3 120. 8	111.3 118.0	109, 5 121, 6	112.8 124.9	112. 0 126. 1	110, 1 124, 0	113, 1 123, 0	114. 0 122. 5	112. 6 126. 7	125. 0	105. 4 126. 7	r 126. 7	128. 3	
Utilitiesdodo	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
Manufacturingdo Nondurable manufacturesdo	116, 3 126, 4	129. 5 140. 9	131.4 143.0	132, 5 143, 3	131. 6 143. 4	132.6 145.3	135. 1 147. 0	135. 8 147. 0	137. 1 148. 5	137. 8 148. 4	138. 5 148. 6	138. 6 149. 4	7 139. 0 7 149. 5	* 139. 2 * 149. 4	139. 6 150. 3	140.4 151.1
Foods 9dodo	123. 4 102. 6	132. 3 111. 2	134. 3 115. 9	132. 9 112. 0	134. 2 109. 8	136. 4 117. 6	138.7 118.7	138. 0 114. 4	138.3 111.3	136.9 114.5	138.3 111.6	139. 3 116. 1	7 138. 3 116. 1	137. 6 112. 0	138. 4 114. 8	
Dairy products do Beverages do	109.3 145.8	113, 8 156, 7	116.3 156.2	115. 9 155. 4	115.7 161.1	116. 1 161, 1	116. 5 168. 3	116.8 169.8	116. 6 172. 7	115. 5 166. 2	117. 0 172. 4	118. 2 168. 0	118.9 166.0	118. 9 167. 1	119.9 166.7	
Tobacco productsdo Textile mill productsdo	111.8 122,3	117. 9 136. 4	119. 6 133. 3	119. 2 123. 7	114. 8 132. 2	116. 8 132. 3	104, 3 134, 4	112. 1 134. 6	105. 2 136. 0	119. 2 135. 4	114.5 137.2	117. 0 136. 6	113.5 - 140.7	113. 5 • 143. 2	143. 6	
Apparel productsdo Paper and productsdo	107. 6 116. 3	122. 2 133. 0	122.7 132.5	124.9 131.4	123. 0 130. 6	124. 4 136. 5	122, 2 135, 5	121, 4 136, 3	123. 5 139. 5	122. 1 139. 3	121, 1 139, 2	124. 1 140. 3	127. 7 r 139. 1	129. 2 + 137. 7	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	7 124. 2 7 181. 3 7 164. 3	7 124. 8 180. 8 7 163. 5	124. 7 183. 0 164. 0	126. 5
Petroleum productsdo	124, 1	133. 1	135, 8	138.9	139.7	145, 2	143.3	143. 4 226. 0	142, 4 232, 4	140. 0 235. 2	140, 4 235, 2	139. 9 237. 4	141. 9 239. 5	r 141. 2 r 237. 2	141. 5 240. 0	142. 0
Rubber and plastics products do Leather and plastics products do Leather and Leather an	166. 7 76. 5	200. 2 80. 9	215. 5 75. 8	216, 9 74, 2	218.9 74.8	220.3 75.0	225.6 73.8	74.7	76. 2	74.1	74.1	74.5	74.0	76.8		

' 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.

Mg. and trade sales (seas. adj.), total $\uparrow \oplus \triangle$ do. 2,162,751 2,401,414 203,731 212,095 209,950 215,281 221,903 221,167 221,327 222,240 221,255 223,604 224,242 226,536 224,242 226,536 224,242 226,536 224,242 226,536 224,242 226,536 224,242 226,536 224,242 226,236 224,242 226,236 224,242 226,236 224,242 226,236 226,336 236	132. 2 73. 7 137. 4 146. 6 150. 9 111. 9 105. 6 95. 3 104. 2 121. 8 135. 2 148. 9 145. 1 121. 9 163. 0 83. 1 161. 3	136. 0 150. 4 146. 6
INDUSTRIAL PRODUCTION:—Continued Federal Reserie Board Index of Quantity Output—Continued Seasonally Adjusted—Continued	73, 7 137, 4 146, 6 150, 9 111, 9 105, 6 95, 3 104, 2 121, 8 135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	111. 2 136. 0 150. 4 146. 6
Peteral Reserve Board Index of Quantity Output—Continued Seasonally Adjusted—Continued Seasonally Adjusted—Continued	73, 7 137, 4 146, 6 150, 9 111, 9 105, 6 95, 3 104, 2 121, 8 135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	111. 2 136. 0 150. 4 146. 6
By industry groupings=-Continued ManufacturingContinued Manufactur	73, 7 137, 4 146, 6 150, 9 111, 9 105, 6 95, 3 104, 2 121, 8 135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	111. 2 136. 0 150. 4 146. 6
Seasonally Adjusted—Continued By industry groupings—Continued Buttale By industry groupings—Continued Buttale By industry groupings—Continued By industry groupin	73, 7 137, 4 146, 6 150, 9 111, 9 105, 6 95, 3 104, 2 121, 8 135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	111. 2 136. 0 150. 4 146. 6
Manufacturing—Continued Durable manufactures. $1967 = 100$ 109.3 121.7 123.4 125.0 123.4 124.0 126.8 128.0 129.3 130.5 131.6 131.3 713.7 7132.3 Ordnance, pvt. and govt. 0 0 76.6 72.7 71.6 71.3 72.6 72.6 72.6 72.8 74.6 74.4 74.1 75.0 75.5 75.1 74.0 Lumber and products. 0 0 107.6 123.1 129.5 129.5 128.1 132.7 122.2 132.1 130.6 133.0 133.0 133.0 131.6 131.3 7131.7 74.0 Lumber and products. 0 0 0 105.8 106.8 108.5 96.9 113.9 109.9 109.0 109.0 109.2 112.5 104.9 112.4 107.2 111.2 111.5 Clay, glass, and stone products. 0 0 111.8 137.1 143.2 142.8 137.1 139.0 143.7 145.0 145.7 148.0 148.8 145.6 744.5 741.7 Inon and steel. 0 0 0 95.8 104.9 100.3 91.4 91.0 100.2 108.3 111.0	73, 7 137, 4 146, 6 150, 9 111, 9 105, 6 95, 3 104, 2 121, 8 135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	111. 2 136. 0 150. 4 146. 6
Durable manufactures. 1967=100 109.3 121.7 123.4 125.0 123.6 128.6 128.0 129.3 130.5 131.6 131.3 131.7 132.3 130.6 131.6 131.3 131.7 132.3 130.6 131.6 131.3 131.7 132.3 130.6 131.6 131.8 131.7 132.3 130.6 131.6 131.8 131.7 132.3 130.6 131.6 131.8 131.7 132.3 130.6 131.6 131.8 131.7 132.3 130.6 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.7 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.6 131.8 131.7 131.7 131.7 131.6 131.8 131.7	73, 7 137, 4 146, 6 150, 9 111, 9 105, 6 95, 3 104, 2 121, 8 135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	111. 2 136. 0 150. 4 146. 6
Furniture and fixtures do 118.2 132.7 133.7 135.7 135.1 137.1 135.1 135.4 137.5 139.9 143.0 142.9 143.6 7146.5 Clay, glass, and stone products do 117.8 137.1 143.2 142.8 137.1 139.0 143.7 144.6 145.0 145.0 145.0 147.7 148.0 148.8 145.5 7147.3 149.0	150. 9 111. 9 105. 6 95. 3 104. 2 121. 8 135. 2 148. 9 145. 1 121. 9 163. 0 83. 1	136. 0 150. 4 146. 6
Primary metals	111. 9 105. 6 95. 3 104. 2 121. 8 135. 2 148. 9 145. 1 121. 9 163. 0 83. 1	136. 0 150. 4 146. 6
Nonferrous metals. do 97.5 115.9 112.4 116.4 126.8 127.5 127.6 128.2 129.0 124.0 118.0 114.5 117.0 123.7 128.1 125.7 125.8 127.5 127.6 128.2 130.8 122.0 134.0 145.2 147.4 145.2 147.4 148.2 148.0 145.2 147.4 148.2 148.0	95. 3 104. 2 121. 8 135. 2 148. 9 145. 1 121. 9 163. 0 83. 1	136. 0 150. 4 146. 6
Fabricated metal products. do. 109.9 123.3 126.7 128.1 125.7 125.8 127.5 127.6 128.2 130.8 132.0 134.0 '133.6 '7134.4 Nonelectrical machinery. do. 125.1 135.0 137.5 141.5 139.9 139.8 139.8 139.8 142.9 142.6 144.0 145.7 145.2 147.6 '148.2 Electrical machinery. do. 116.5 131.6 135.7 135.1 134.0 137.6 137.6 139.6 141.8 142.0 143.6 144.0 '143.6 144.6 '148.2 Electrical machinery. do. 116.5 131.6 135.7 135.1 134.0 137.6 137.6 139.6 141.8 142.0 143.6 144.0 '143.6 144.6 '148.2 Electrical machinery. do. 116.5 131.6 135.7 135.1 134.0 137.6 137.6 139.6 141.8 142.0 143.6 144.6 144.6 '148.2 Electrical machinery. do. 116.5 131.6 135.7 135.1 134.0 137.6 137.6 139.6 141.8 142.0 143.6	135, 2 148, 9 145, 1 121, 9 163, 0 83, 1	136. 0 150. 4 146. 6
Electrical machinery	145. 1 121. 9 163. 0 83. 1	146. 6
Mofor vehicles and parts	163. 0 83. 1	122. 2
BUSINESS SALES \$ 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 Mfg. and trade sales (seas. adj.), total †⊕△do 2,162,751 2,401,414 203,731 212,095 209,950 215,281 221,903 221,167 221,327 222,240 221,255 223,604 224,242 226,536 Manufacturing, total †⊕ do 1,046,710 1,178,013 99,919 104,475 103,569 106,133 111,241 109,640 109,458 110,680 109,208 111,376 56,820 58,087 573,499 48,681 49,180 50,228 51,430 52,395 53,814 54,703 58,819 56,764 56,717 57,570 56,820 53,885 53,887 53,885 Retail trade, total do 580,445 642,507 54,822 56,685 55,703 57,291 57,990 58,142 58,003 19,436 19,505 19,984 19,766 19,385 19,385 19,833 19,516 19,436 19,505 19,984 19,763 20,895 Nondurable goods stores do 401,558 431,977 36,724 37,647 36,843 37,909 38,127 38,309 38,487 38,389 39,047 39,036 39,251 739,883 Merchant wholesalers, total do 535,596 580,894 246,732 21,151 21,642 27,839 29,293 28,893 29,232 30,051 30,444 30,591 30,316 29,875 28,818 29,157 728,642 BUSINESS INVENTORIES \$	161. 3	161.9
Mfg. and trade sales (unadj.), total $\uparrow \oplus \triangle$ mil. \$. 2,162,751 2,401,414 205,014 216,551 191,565 203,279 227,787 223,233 224,288 232,457 213,326 226,193 229,699 232,594 232,331 233,334 233,334 234,234 234	1	162. 0
Mfg. and trade sales (seas. adj.), total $\dagger \oplus \triangle$ do. 2,162,751 2,401,414 203,731 212,095 209,950 215,281 221,903 221,167 221,327 222,240 221,255 223,604 224,242 226,536 221,003 221,167 221,327 222,240 221,255 223,604 224,242 226,536 221,003 221,167 221,327 222,240 221,255 223,604 224,242 226,536 221,003 221,167 221,327 222,240 221,255 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536 223,604 224,242 226,536	001 000	
Manufacturing, total †⊕],	
Nondurable goods industries⊕ do 519,760 573,499 46,681 40,180 50,228 51,430 52,392 53,876 52,741 53,110 52,388 53,289 53,313 *53,855 Retail trade, total do 580,445 do 178,887 210,530 18,088 19,038 19,0	113, 295	
Merchant wholesalers, total. do. 535, 596 Durable goods establishments. do. 220, 094 246, 732 21, 151 21, 642 27, 839 29, 293 34, 162 27, 839 29, 293 28, 893 29, 292 30, 051 30, 414 30, 591 30, 316 29, 875 28, 818 29, 152 28, 612 29, 152 29, 152 28, 612 29, 152 29, 152 28, 612 29, 152	58, 979 54, 316	
Durable goods establishments. do. 220,094 246,732 21,151 21,642 21,785 22,625 22,621 22,941 23,275 23,419 23,620 24,390 24,150 724,997 Nondurable goods establishments. do. 315,502 334,162 27,839 29,293 28,893 29,232 30,051 30,444 30,591 30,316 29,875 28,818 29,157 728,642 BUSINESS INVENTORIES §	61, 482 20, 640 40, 842	
	55, 126 25, 268 29, 858	
Mfg and trade inventories book value and of year		
Mfg. and trade inventories, book value, end of year or month (unadj.), total †∆mil. \$ 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 †\(\(\) mil. \(\) 281, 837 \) 306, 325 \(\) 306, 151 \(\) 306, 325 \(\) 309, 063 \(\) 311, 232 \(\) 314, 875 \(\) 317, 873 \(\) 320, 492 \(\) 322, 899 \(\) 324, 107 \(\) 326, 849 \(\) 328, 928 \(\) 330, 701	331, 988	
Manufacturing, total† do 155,693 166,587 167,114 166,587 167,482 168,449 169,379 170,747 172,629 173,818 174,571 175,104 176,164 176,829 Durable goods industries. do 190,310 105,729 106,122 105,729 106,562 107,222 107,685 108,190 109,154 110,421 110,978 111,452 111,787 112,075	177, 101 112, 468	
Nondurable goods industries	64, 633	
Durable goods stores do 31, 632 35,067 34, 875 35, 067 35, 588 35, 516 36, 150 36, 100 36, 100 38, 130 38, 577 38, 520 38, 752 Nondurable goods stores 39, 399 43, 364 43, 113 43, 364 43, 870 44, 205 45, 046 45, 731 46, 207 47, 030 47, 196 48, 073 48, 688 48, 710	39, 134	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	66, 422 43, 122 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 1.46 1.47 1.46		
Manufacturing, total†⊕	1, 56 1, 91 . 63	
Materials and supplies do 69 62 66 64 61 63 65 65 65 64 64 63 Work in process do 84 77 81 80 74 77 76 75 78 77 76 75 78 77 76 75 75 78 75 76 76 76 76 76 <	. 76	
Nondurable goods industries † — do 1.26 1.23 1.25 1.24 1.21 1.19 1.18 1.18 1.20 1.19 1.21 1.21 1.21 1.20 Materials and supplies — do 53 .53 .51 .51 .50 .50 .50 .50 .50 .50 .50	1. 19 . 49	
Work in process. do. .19 .19 .18	.18	
Retail trade, total \(\triangle \) do \(\triangle \) 1. 45 \\ 1. 41 \\ 1. 42 \\ 1. 38 \\ 1. 43 \\ 1. 89 \\ 1. 89 \\ 1. 80 \\ 1. 80 \\ 1. 80 \\ 1. 80 \\ 1. 80 \\ 1. 80 \\ 1. 80 \\ 1. 81 \\ 1. 80 \\ 1. 81 \\ 1. 81 \\ 1. 82 \\ 1. 82 \\ 1. 82 \\ 1. 83 \\ 1. 81 \\ 1. 90 \\ 1. 91 \\ 1. 95 \\ 1. 93 \\ 1. 91 \\ 1. 95 \\ 1. 93 \\ 1. 91 \\ 1. 95 \\ 1. 93 \\ 1. 92 \\ 1. 92 \\ 1. 92 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1. 93 \\ 1. 91 \\ 1. 92 \\ 1. 93 \\ 1. 91 \\ 1.	1.44 1.90 1.21	
Merchant wholesalers, total <u>do</u> 1.24 1.21 1.25 1.20 1.23 1.22 1.22 1.20 1.21 1.20 1.22 1.22 1.20 1.21 1.20 1.22 1.22	1. 20 1. 71 . 78	
Nondurable goods establishmentsdo		
Manufacturers' export sales: ⊙ Durable goods industries:		
Unadjusted, total. mil. 50, 516 60, 547 5, 391 6, 041 4, 399 4, 697 5, 677 5, 491 5, 363 5, 580 4, 741 4, 633 5, 149 5, 696 5, 681 4, 690 4, 870 5, 312 5, 378 5, 148 5, 430 5, 277 5, 089 5, 206 5, 641	5, 420 5, 374	
5. Supplients (100 seas, adj.), total 5. Supplients 5. Sup	1 1	
Durable goods industries, total Q† do 526,950 604,514 51,345 50,798 48,858 54,715 60,550 58,171 58,405 62,349 52,379 55,768 61,415 62,694 Stone, clay, and glass products do 27,314 30,435 2,573 2,320 2,286 2,546 2,943 2,904 2,991 3,249 2,856 3,281 3,189 73,165 Primary metals do 40,210 45,137 3,547 3,357 3,457 3,831 4,539 4,282 4,384 4,735 3,882 4,154 4,350 7,491 8,374 Nonferrous and other primary met do 30,081 34,110 2,743 2,694 2,745 3,089 3,390 3,436 3,334 3,337 2,779 2,932 3,216 73,317	r 59,266	1 57,68

^{*}Revised. * Preliminary. * Estimated. * Based on data not seasonally adjusted. * Advance estimate; total mfrs. shipments for Oct. 1977 do not reflect revisions for selected components.
\$\frac{1}{2}\$See note marked "\vartheta" note. \$\frac{1}{2}\$ File term 'business' here includes only manufacturing and trade; business inventories as shown on p. \$\frac{1}{2}\$-1 cover data for all types of producers, both farm and nonfarm. Unadjusted data for manufacturing are shown

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	1975	1976	19	76						19	77					
through 1974 and descriptive notes are as shown in 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	'	<u> </u>				
MANUFACTURERS' SALES, INVENTORIES, AND ORDERS —Continued																
Shipments (not seas. adj.)†—Continued Durable goods industries†—Continued Fabricated metal products. mil. \$ Machinery, except electrical do. Electrical machinery. do Transportation equipment do. Motor vehicles and parts do. Instruments and related products. do.	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 r 10, 527 r 7, 456 15, 562 r 10, 977 r 2, 477	7, 348 10, 213 7, 361 714, 255 10, 205 2, 451	212, 905
Nondurable goods industries, total ♀ ⊕ 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 By industry group:		!	99,919	104,475	103,569	106,133	111,241	109,640	109,458	110,680	109,208	111,376	, ,		113, 295	
Durable goods industries, total \(\text{\text{\$\sigma}} \) 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 7 2, 882 8, 246 7 4, 243 7 3, 049	7 59, 154 2, 954 7 8, 323 4, 299 3, 041	² 61, 566 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 79,374 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. do. 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. do. Supplementory series:	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	8, 138 18, 594 14,297 10,267 8, 611 43,662 3, 333	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	8, 994 19,453 15,234 11,179 10,149 46,912 3,754	7 9, 232 7 19, 555 7 15, 731 7 11, 305 7 10, 193 7 47, 103 3, 850 17, 975	9, 146 19, 982 15, 497 11, 335 10, 038 47, 297 73, 952 717, 870	
Household durables do Capital poods industries do Nondefense do Defense do	1 140,651 1 23,725	1155,317 126,307	13,206 2,244	16.446 13,931 2,515	16,217 13,570 2,647	13,776 2,615	14,204 2,611	14.234 2,496	14,356 2,578	14,030 2,551	14,529 2,578	14, 935 2, 501	17, 511 14, 943 2, 568	15, 432 2, 543	715, 224 7 2, 646	² 16, 036
Inventories. end of year or month:† Book value (unadjusted), total† do. Durable goods industries, total do. Nondurable goods industries, total do.	155, 825 99, 853 55, 972	167, 299 105, 516 61, 783	166, 528 105, 193 61, 335	167, 299 105, 516 61, 783	169,300 107,378 61,922	170,396 108,439 61,957	170,818 108,726 62,092	171,886 109,218 62,668	173,087 109,925 63,162	173,022 110,229 62,793	172,902 110,110 62,792	173,730 110,656 63,074	174,161 110,740 63,421	r175,392 r110,736 r 64, 656	176, 423 111, 463 64, 960	
Book value (seasonally adjusted), total†do By industry group: Durable goods industries, total \(\) do Stone, clay, and glass productsdo Primary metalsdo Blast furnaces, steel millsdo Nonferrous and other primary met. do	100, 310	166, 587 105, 729 4, 194 17, 329 10, 179 6, 178	167, 114 106, 128 4, 130 17, 178 10, 072 6, 126	166, 587 105, 729 4, 194 17, 329 10, 179 6, 178	167, 482 106, 562 4, 248 17, 197 10, 148 6, 100	168, 449 107, 222 4, 234 17, 276 10, 154 6, 154	1	170,747 108,190 4, 193 17, 332 10, 215 6, 088	172,629 109,154 4,258 17,584 10,444 6,159	173,818 110,421 4,251 17,645 10,500 6,150	1	175,104 111,452 4, 314 17,759 10,519 6, 213	176,164 111,787 4,348 17,640 10,323 6,242	1	177, 101 112, 468 4, 564 17, 602 10, 088 6, 420	
Fabricated metal products	12, 931 23, 479 12, 883 19, 048 5, 978 4, 290	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	13,893	13, 976 25, 586 15, 512 20, 424 7, 264 5, 027	
By stage of fabrication:† Materials and supplies ? do		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	737, 394 78, 250 711, 479 76, 001		
Work in process Q		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 11,738	744, 430 75, 842 717, 664 711, 383	44, 910 5, 857 17, 842 11, 592	
Finished goods 9		28, 088 3, 320 11, 028 2, 476	27, 803 3, 347 10, 729 2, 622	28, 088 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	30, 240 3, 710 11, 683 2, 844	
Nondurable goods industries. total 9 de Food and kindred products	55, 382 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 13,949 5,846 4,185	764, 885 716, 667 3, 646 75, 410 75, 675 714, 177 75, 855 74, 171	64, 633 16, 240 3, 650 5, 392 5, 665 14, 222 5, 986 4, 128	
Materials and supplies do. Work in process do. Finished goods do. Revised. Based on data not seasonally adju-		26, 013 9, 182 25, 663	25, 843 9, 171 25, 972	26, 013 9, 182 25, 663	25, 678 9, 067 26, 175		,			26, 842 9, 429 27, 126	26,701 9,574 27,318 Orders;		27,983	726, 696 7 9, 741 728, 448		f ¢0.05

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. † 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-

ufacturers' Shipments, Inventories, and Orders; 1958-1976 (Revised)," available for \$2.25 from the Subscribers Services Section, Bur. of the Census, Wash., D.C, 20233. Data back to Jan. 1958 for mfg. and trade sales and invent. and inventory-sales ratios appear on p. 22 ff. of the Jan. 1977 Survey. \oplus See corresponding note on p. S-5. \Diamond 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						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	NERAI	BU!	SINE	SS IN	DICA	TOR	S—Co	ontin	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 apparelmil. \$ Consumer staples	13, 323 61, 525	14, 039 23, 119 38, 842 8, 430 14, 161 67, 996	14,143 23,367 38,943 8,993 13,983 67,685 6,996	14,039 23,119 38,842 8,430 14,161 67,996 6,923	14,003 23,164 39,044 8,601 14,615 68,055 6,936	14, 056 23, 327 39, 231 8, 718 14, 663 68, 454 7, 117	14, 296 23, 531 39, 393 8, 728 14, 560 68, 871 7, 275	14,608 23,928 39,638 8,691 14,523 69,359 7,407	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 7, 487	14, 708 24, 217 40, 901 9, 298 14, 462 71, 518	24, 911 41, 250 9, 278 14, 677	714, 566 724, 914 741, 139 79, 315 714, 861 771, 994 77, 488	14, 534 24, 797 41, 467 9, 511 14, 961 71, 831 7, 447	
Household durables do Capital goods industries do Nondefense do Defense do	6, 578 42, 341 35, 772 6, 568	6, 923 43, 104 36, 527 6, 577	43,124 36,277 6,847	43,104 36,527 6,577	43, 311 36, 702 6, 609	43, 737 37, 112 6, 625	43, 992 37, 475 6, 517	4, 335 47, 733 36, 602	44,671 38,034 6,637	45,206 38,332 6,864	45, 391 38, 455 6, 936	7, 559 45, 641 38, 715 6, 926	45, 897 39, 043 6, 854	745, 730 739, 134 6, 596	46, 070 39, 444 6, 626	
New orders, net (not seas. adj.), total †△doDurable goods industries, totaldoNondurable goods industries, total△doNow orders, net (seas. adj.), total †△do	521, 936	1,183,468 608,170 573,796 21,183,468	100,039 51,386 48,653	99,575 52,139 47,436 106,608	98,810 51,048 47,762 105,288	107,879 55,651 52,228 106,575	114,873 60,900 53,973 111,788	113,054 59,824 53,230 111,547	111,066 58,899 52,167 111,693	117,795 63,372 54,224	103,311 53,317 49,994 108,598	111,036 57, 107 53, 929 111,494	117,055 61,713 55,342 112,441	r121,661 66,022 r55,639 r116,543	115, 429 161, 156 54, 450	160, 574
New orders, net (seas. adj.), (total \(\sigma \)	1	609, 450 90, 046 45, 846 34, 956	52,235 7,529 3,650 3,080	57,040 7,252 3,808 2,629	55,037 7,987 4,054 3,040	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	761, 984 78, 901 4, 753 3, 128	165, 373 18, 772
Fabricated metal products do. Machinery, except electrical do. Electrical machinery do. Transportation equipment do. Aircraft, missiles, and parts do.	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	13, 145 2, 682	r 4, 251	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	53, 393 11, 985 41, 408	754, 040 712, 038 742, 002	54, 308 11, 971 42, 337	
By market category: \dagger Home goods and apparel Δ		2 93, 224 217, 424 2163,818 110,631 2 99, 180 2 498, 255 2 38, 599 2183,614	7, 945 18,274 13,897 9, 628 8, 721 42,319 3, 284 15, 875	7, 981 18,310 15,929 11,800 9, 075 43,505 3, 314 17, 885	8, 171 18, 624 13,994 10, 482 8, 733 45, 284 3, 351 16,570	8, 413 19, 008 14,323 10, 717 9, 227 44, 884 3, 510 16,136	8, 273 19, 316 14,478 12, 413 9, 706 47, 570 3, 425 16,775	8, 377 19, 514 16, 169 11, 627 9, 545 46,315 3,443 18,276	8, 588 19,032 15,948 11,074 9, 564 47,487 3, 493 18,293	8, 549 19,531 15, 799 11,542 9, 683 46,440 3, 587 17,717	8, 796 19, 108 14, 484 11, 022 9, 418 45, 770 3, 589 16, 341	9, 161 19, 660 14, 332 11, 076 10, 129 47, 136 3, 931 16, 676	15, 242 11, 016 9, 883 47, 843 3, 773 17, 819	r 9, 481 r 19, 536 r 17, 899 r 11, 443 r 10, 300 r 47, 894 4, 066 20, 770	9, 201 19, 968 17, 194 11, 209 10, 654 47, 872 + 3, 944 r 19, 453	1 4, 225 121, 569
Household durables	2 130.782 2 25, 185 170.243 162,726 7,517	2 153,845 2 29, 338 174, 222 166, 408 7, 814	12, 734 3, 141 172,646 165,040 7, 606	13, 835 4, 050 174,222	14,621 1,949 176,648 168,599 8,049	14,249 1,887	14,561 2,214 178,453 169,884 8,569	14,679 3,597 180,255 171,526 8,729	15,000 3, 293 180,563 172,024 8, 539	15,535 2, 182 181,521 173,045 8, 476	14, 409 1, 932 182,632 173, 984 8, 648	14, 678 1, 998 183,774 175,322 8, 452		716, 502 4, 268 7187,386 7178,950 7 8, 436	189, 255	
Unfilled orders, end of year or month (seasonally adjusted) total†mil. \$ By industry group: Durable goods industries, total \$\varphi\$do. Primary metalsdo. Blast furnaces, steel millsdo. Nonferrous and other primary metdo.	171,438 163,582	175, 453 167, 261 16, 004	173,333 165,519 16,051 9,768 5,261	175,453 167,261 16,004	177,179 168, 962 16, 658	177,623 169, 394	178,167 169,704 17, 122	171,587	182,301 174,047 17,673 11,696 4,807	183,150 174,859		182,646 174,245 17,634 11,347 5,040	174, 682 17, 887	7186,590 177, 923 17, 733 711, 385 7 5, 090	r180,750	1118 487
Fabricated metal products	23, 690 45, 472 21, 239 59, 236 33, 106 7, 856	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	7 23, 152 7 46, 462 7 24, 740 56, 431 7 38, 199 7 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	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 2, 790	3, 622 104,906 18, 191 55, 822 2, 874 113, 391	18, 335 56, 297	3, 916 103,950 18, 068 57, 232 3, 135 112, 935	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. BUSINESS INCORPORATIONSO	108,5 33 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	82, 179 31, 212	81, 923 30, 707	83, 167 29, 768	115, 730 84, 236 31, 494	r84, 892 r32, 418	186, 299
New incorporations (50 States and Dist, Col.): Unadjustednumber Seasonally adjusteddo	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 FAILURES⊙ Failures, total number Commercial service do. Construction do Manufacturing and mining do. Retail trade do.	1,637 2,262 1,645 4,799	9, 628 1, 331 1, 770 1, 360 4, 139	770 101 153 101 317	696 99 128 105 295	664 87 107 74 315	693 85 142 114 284	858 104 158 110 398	804 109 137 108 367	724 99 147 102 300	732 94 139 98 319	513 63 83 91 223 53	687 95 129 85 293				
Wholesale trade. do Liabilities (current), total. thous. \$ Commercial service. do Construction. do Manufacturing and mining. do Retail trade. do Wholesale trade. do	475, 485 640, 845	1, 028 3,011,271 490, 140 428, 737	98 277, 598 35, 323 21, 647 123, 329 39, 296 58, 003	69 200, 441 21, 163 56, 468 47, 747 43, 259 31, 804	81 168, 539 27, 408 24, 419 63, 480 36, 825 16, 407	68 194,197 41,971 29,435 72,809 33,854 16,128	88 248, 196 37, 873 33, 487 71, 219 54, 743 50, 874	45, 938 40, 516 43, 570 58, 477	14, 647 141, 306	82 305, 860 21, 041 29, 165 166, 517 42, 515 46, 622	577, 825 89, 511 9, 653 443, 140 18, 494	338, 252				
Failure annual rate (seasonally adjusted) No. per 10,000 concerns Revised. p Preliminary. Advance estima				32.0	28, 4	29. 6	32.3	31. 8	30.2	30.8	24.1			annoral	and other	

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.

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	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
			C	OMM	ODIT	Y PR	RICES) 								
PRICES RECEIVED AND PAID BY FARMERS;					}											
Prices received, all farm products1910-14=100_	463	465	432	446	457	468	474	477	484	461	451	438	435	444	r 448	453
Crops Qdo	452	444	419	427	445	457	475	479	482	447	410	390	384	401	r 417	412
Commercial vegetablesdododo	458 348	456 504	482 550	456 533	574 526	637 540	641 589	507 572	482 567	435 516	447 533	438 514	449 499	476 448	r 525 r 434	444 412
Feed grains and hay do Food grains do	400 426	379 354	322 283	347 277	361 282	362 287	365 282	359 277	352 261	328 245	291 243	260 259	255 263	264 281	r 290 r 3 05	302 309
Fruit do	313 899	300 907	295 948	274 973	271 959	276 954	297 957	319 967	374 966	354 966	342 841	383 977	400 1,074	503 983	7 443 1, 025	421 1,015
Livestock and products Qdo	474	485	446	465	467	478	471	473	485	476	493	487	487	488	r 479	495
Dairy productsdo Meat animalsdo	537 567	591 569	605 487	595 523	590 530	584 546	577 544	577 551	571 585	574 568	581 590	593 579	612 569	62 4 573	* 624 554	624 584
Poultry and eggsdo	235	233	231	241	240	252	240	232	220	217	231	223	226	214	216	219
Prices paid: All commodities and servicesdodo	533	565	564	569	578	584	590	597	601	597	595	591	589	591	593	596
Family living itemsdo Production itemsdo	533 528	563 560	575 554	578 559	² 553 569	² 556 578	² 562 583	² 565 592	² 570 594	² 573 588	² 577 582	2 579 576	2 582 572	584 574	² 585 576	² 588 579
All commodities and services, Interest, taxes, and wage rates (parity index)1910-14=100	614	653	652	657	673	679	685	692	695	692	690	686	685	684	687	689
Parity ratio §do	76	71	66	68	68	69	69	69	70	67	65	64	64	65	• 65	66
CONSUMER PRICES		i														
(U.S. Department of Labor Indexes) Not Seasonally Adjusted														104 5	107	100.1
All items1967=100 Special group indexes:	161.2	170.5	173.8	174.3	175.3	177.1	178. 2	179.6	180.6	181.8	182.6	183. 3	184.0	184, 5	185. 4	186.1
All items less shelter do All items less food do	159. 1 157. 1	168.3 167.5	171. 6 171. 6	172. 2 172. 2	173.1 172.9	175. 0 174. 0	176. 1 175. 1	177. 5 176. 2	178.4 177.3	179.6 178.4	180. 2 179. 1	180.8 179.8	181. 2 180. 9	181.7 181.6	182, 5 182, 5	183. 0 183. 1
All items less medical caredo	160. 9	169.7	172. 7	173.2	174. 2	176. 0	177. 0	178.4	179.4	180.6	181.4	182.0	182.6	183. 1	184.1	184.7
Commodities do do Nondurables do do	158. 4 163. 2	165. 2 169. 2	167.7 171.3	168.1 171.7	168.7 172.4	170. 9 175. 0	171.8 175.9	173.3 177.4	174.3 178.3	175.4 179.7	175.8 180.1	176.3 180.8	176, 6 181, 0	177. 0 181. 4	177. 9 182. 4	178.3 182.9
Nondurables less fooddo Durablesdo	151. 7 145. 5	158.3 154.3	161. 9 158. 0	162. 3 158. 4	161. 9 158. 9	163, 1 159, 7	163. 9 160. 8	164. 7 162. 2	165. 7 163. 4	166. 6 163. 9	166. 6 164. 3	167.3 164.3	168. 4 164. 5	169. 2 165. 0	170. 1 165. 5	170.3 165.9
Commodities less fooddodo	149. 1 166. 6	156. 6 180. 4	160, 3 185, 1	160, 6 185, 8	160.6	161. 6 188. 7	162. 6 190. 0	163. 6 191. 2	164. 7 192. 2	165. 4 193. 7	165, 6 195, 3	166.0 196.3	166, 7 197, 7	167.4 198.5	168.1 199.5	168. 4 200. 5
Servicesdo Services less rentdo	171.9	186, 8	191.8	192.6	187. 4 194. 3	195. 6	197. 0	198. 4	199. 4	201.1	202.8	203.8	205. 3	206. 2	207, 2	208.2
Food 9dodododo	175, 4 178, 0	180.8 179.4	181.1 172.0	181.7 170.2	183.4 172.3	187. 7 174. 7	188. 6 175. 0	190. 9 174. 6	191. 7 175. 9	193. 6 178. 5	194.6 180.4	195. 2 181. 8	194. 5 182. 1	194. 4 180. 9	195. 6 181. 9	196. 3 182. 1
Dairy products do Fruits and vegetables do	156. 6 171. 0	169.3 175.4	171.7 174.8	171.4 175.5	171.3 177.6	171. 1 194. 7	171. 2 196. 8	171. 4 203. 0	173. 1 195. 1	174.3 196.8	174. 1 194. 1	175.1 192.1	175. 4 183. 2	176. 2 184. 0	176. 5 188. 7	176.9 192.5
Housingdo	166.8	177.2	180.7	181.6	183. 1	184.3	185. 5	186, 7	187.6	189.0	190, 5	191.4	192.7	193. 6	194,6	195. 7
Shelter Qdo Rentdo	169.7 137.3	179.0 144.7	182. 1 147. 5	182. 4 148. 3	184. 1 149. 5	185. 3 150. 2	186. 3 150. 8	187. 7 151. 6	188. 9 152. 2	190.3 152.9	192. 2 153. 6	193. 2 154. 4	194. 7 155. 3	195. 6 156. 1	196. 9 157. 0	198. 2 157. 9
Homeownership do Goule Fuel and utilities φ do Goule Homeownership do Goule Homeownershi	181.7 167.8	191. 7 182. 7	194. 8 188. 2	195, 0 192, 0	196.7 194.8	198. 1 196. 4	199. 3 198. 5	201. 0 199. 4	202, 3 200, 2	203. 9 201. 8	206.2 203.5	207.4 204.5	209. 1 205. 5	210. 0 206. 8	211.5 207.4	213.0 207.6
Fuel oil and coaldodo	235. 3 169. 6	250.8 - 189.0	258. 0 195. 5	264.5 201.4	271. 7 204. 2	278. 3 205. 4	281. 4 208. 5	282. 0 209. 8	282. 6 210. 9	283. 1 213. 0	283. 7 216. 0	284. 1 217. 4	285. 1 218. 0	287. 2 219. 3	289. 9 219. 5	291. 9 218. 9
Gas and electricity do- Household furnishings and operation do-	158. 1	168.5	171.7	172.3	172.6	173.6	174.6	175. 4	175. 9	177.1	177. 4	178. 1	178.9	179. 5	180.1	181.1
Apparel and upkeepdo Transportationdo	142. 3 150. 6	147. 6 165. 5	151.9 171.4	151.8 171.4	150.0 172.2	150. 8 173. 2	151.7 174.7	152, 3 176, 7	153.4 178.1	153. 9 179. 1	153.4 179.2	154.8 178.8	156. 2 178. 4	157. 2 178. 6	158. 5 178. 7	158. 2 178. 8
Private do New cars do	149.8	164. 6 135. 7	170.6	170.7 140.4	171. 5 141. 1	172.6	174.0	176, 2	177. 7 141. 4	178.6	178. 7 141. 6	178. 2 141. 6	177.8 141.1	177.9 145.7	178. 0 148. 2	$178.0 \\ 150.5$
Used carsdo	127. 6 146. 4	167.9	139. 7 179. 0	178.0	177.7	140.7 179.1	140. 9 182. 7	140. 6 187. 8	191.4	141.7 192.2	190.6	186. 4 183. 5	182. 5 184. 1	178. 0 184. 4	175. 0 184. 7	170. 7 185. 7
Public do do Health and recreation 9 do do	158. 6 153. 5	174. 2 163. 3	177. 6 167. 3	178.0 168.0	178. 7 169. 0	178. 9 169. 8	180. 4 170. 7	180. 4 171. 4	181.5 172.3	183. 2 173. 2	183. 5 174. 1	174.7	176.1	177. 1	177.9	178.5
Medical care do Personal care do	168. 6 150. 7	184. 7 160. 5	191.3 164.8	192. 3 165. 2	194. 1 166. 2	195. 8 166. 7	197. 6 167. 3	199. 1 168. 4	200.5 169.5	201. 8 170. 6	$203.5 \\ 171.3$	204.9 172.1	206. 3 172. 8	207. 2 173. 9	208. 1 175. 5	209.3 176.3
Reading and recreationdodo	144. 4	151. 2	154. 1	154.4	154.9	155. 5	155. 8	156. 0	156.8	157. 6	157. 7	158.1	159.8	160. 6	160, 9	161. 3
Seasonally Adjusted¶ All items, percent change from previous month			0.3	0.4	a 0. 8	1.0	0, 6	0.8	0.6	0.6	0.4	0.3	0.3	0.3	0.5	0.4
Commodities 1967 = 100 Commodities less food do			167. 4 159. 6	168.0 r 160.5	a 169. 4 a 161. 6	171. 4 162. 7	172. 2 163. 4	173. 6 164. 0	174.5 164.7	175. 3 165. 1	175. 5 165. 3	176. 0 165. 8	176. 3 166. 2	176. 7 166. 7	177.6 167.5	178.3 168.3
Fooddo Food at homedo			181. 7 179. 6	181. 9 179. 7	a 183. 5	187. 1 185. 4	188. 2 186. 4	191. 0 189. 3	192. 4 190. 7	193. 9 192. 1	194. 0 191. 9	194.5 192.3	194. 7 192. 4	194, 9 192, 5	196. 1 193. 9	196.5 194.1
Fuels and utilitiesdo			188.7	191.8	o 194. 0	194.6	197. 3	198.4	199.8	202.0	204.3	205.9	206.9	208.3	208, 0	207.4
Fuel oil and coaldo			257.0	261.4	a 266. 6	272.0	278. 1	280.6	282.9 153.2	285.4	287. 1 154. 8	289. 6 155. 4	290, 9 155, 4	291. 0 155. 6	288. 7 156. 3	288. 4 156. 9
Apparel and upkeepdo		•	149. 9 171. 0	150.6 171.9	4 151. 7 4 173. 5	152. 0 175. 1	152. 3 176. 2	152. 6 177. 9	178.4	154. 2 178. 1	177.4	177. 6	177.7	177.9	178.3	179.3
Transportation do Private do New cars do			170. 3 138. 6	171. 5 139. 2	4 173. 0 4 140. 0	174. 8 140. 1	175. 7 140. 6	177. 4 140. 5	177.6 141.7	177.5 142.0	176.8 142.3	176, 8 14 3 , 2	$177.1 \\ 144.0$	177.2 144.8	177. 6 147. 0	178.7 149.2
Servicesdo			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
WHOLESALE PRICES ♂ (U.S. Department of Labor Indexes) Not SeasonallyAdjusted									The state of the s					·	, ,	
Spot market prices, basic commodities: 22 Commodities1967=100	1 198. 2	1 201. 0	107.0	200.6	007.0	010.0	010.4	000.0	218.7	000 =	204.1	200.8	201. 3	203. 3	205, 9	212. 7
9 Foodstuffsdo	1 227.3	1 201. 6	197. 2 191. 7	196.7	207. 3 203. 3	213. 0 208. 0	218. 4 212. 0	220. 8 219. 0	219.4	208. 5 211. 3	203.8	198.0	198, 9	201. 2	208, 8	215. 1 210. 9
13 Raw industrials do	1 180. 4 174. 9	1 200. 6 183. 0	201.0	203. 2 187. 1	210. 2 188. 1	216. 4 190. 2	222. 8 192. 0	221. 9 194. 3	218. 1 195. 2	206. 4 194. 4	204. 1 194. 9	202.7 194.6	202, 9 195, 3	204. 7 196. 3	203, 8 197, 0	198. 2
By stage of processing: Crude materials for further processing do	196.9	205.1	204.5	207.9	208.1	215.5	!		224. 4	215.4	213, 2	207. 3	207.8	208. 0	210, 5	215, 6
Intermediate materials, supplies, etc. do Finished goods O do	180.0	189.3	193.1	194.0	195.0	196.6	219. 9 198. 7	226. 1 201. 2	202.1	202.0	202.7	203. 4 181. 3	204. 2 181. 8	204. 4 183. 9	204.8 184.5	205, 3 185, 5
Consumer finished goodsdo	163. 4 163. 6	170.3 169.0	172. 3 170. 1	174. 0 172. 0	175. 1 173. 2	176.6 175.0	177. 5 176. 1	178.8 177.5	180.3 179.4	180. 5 179. 3	181.3 180.2	179.7	180. 2	181.4	181.8	182. 9 191. 5
Producer finished goods do By durability of product:	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	
Durable goods dodo	165. 8 181. 7	176.0 188.0	180. 0 189. 3	$181.1 \\ 191.2$	182. 3 191. 9	183. 0 195. 0	184. 8 197. 1	185. 9 200. 5	186. 4 201. 7	186.7 199.9	188, 2 199, 4	189. 5 197. 8	190.8 198.0	192. 6 198. 4	192.9 199.4	19 3 . 8 200. 8
Durable manufactures do	171.1 165.6	179.0 175.6	181. 9 180. 0	183. 2 181. 0	184. 2 182. 1	185. 4 182. 9	186.9 184.3	188. 9 184. 5	190. 2 186. 2	190. 4 186. 6	191. 0 188. 3	191.1 189.5	191. 9 190. 9	193. 1 192. 8	193.7 193.2	194, 5 194, 0
Nondurable manufactures do	176.6	182.1	183. 4	185.0 l	185.8	187. 6	189. 2	192. 0	194. 1	193.9	193, 3	192.3	192.4	192.8	193, 5	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. ♀ 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 "t" for this page. ♂ 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						19	17					
the 1975 edition of BUSINESS STATISTICS	Anr	ıual	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				<u>,</u>	·		<u>'</u>
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 Residential (including farm)do New housing unitsdo	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 public utilities, total \$\frac{1}{2}\$	26, 407 8, 018 12, 806	26, 091 7, 183 12, 756	2, 281 581 1, 129	2, 179 591 1, 062	1,804 456 906	1,836 468 915	2, 078 554 1, 051	2, 204 582 1, 108	2,254 600 1,142	2, 394 602 1, 265 401	2, 497 620 1, 329	2,595 658 1,380 410	2, 677 656 1, 452 401	7 2, 704 7 675 7 1, 471 411	2, 613 633 1, 402	
Telephone and telegraphdo Public, total 9do	3, 683 40, 670	3, 777 37, 981	3, 093	2, 590	2,088	2, 137	2, 439	2, 759	3, 201	3, 637	3,574	3,820	3,823	7 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 7 124 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. 8 119. 0	155, 4 121, 2	148. 1 116. 2	156. 9 122. 4	163. 8 128. 4	167. 6 131. 4	172, 2 133, 8	174. 4 135. 0	172. 3 133. 0	170, 9 132, 7	7 175. 9 7 136. 7	7 177.9 7 140.2	178. 0 142. 1	1
Residential (including farm) do New housing unitsdo 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 65. 1	r 82. 4 r 66. 4	r 85.8 r 68.9	87. 9 70. 7	
lic utilities, total ? bil. \$ Industria do Commercial do Public 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 Qdo Buildings (excluding military) Qdo Housing and redevelopmentdo			34. 9 11. 1 . 6	34.3 10.8 .6	32.0 11.8 .8	34.5 11.5 1.0	35. 4 11. 8 1. 0	36, 2 12, 4 . 9	38. 4 12. 2 1. 0	39, 4 13, 1 1, 2	39. 2 13. 8 1. 0	38. 2 12. 7 . 8	39. 3 13. 4	7 37. 7 7 12. 1 . 8	35. 9 12. 1 . 7	
Industrial			1.0 1.5 8.5	.8 1.5 8.2	1.0 1.5 7.2	1.0 1.6 8.4	1. 0 1. 5 9. 2	1, 1 1, 5 9, 1	1. 0 1. 6 9. 8	1. 1 1. 6 10. 8	1.3 1.5 9.5	1.4 71.5 9.4	1.4 1.5 8.9	1. 1 1. 4 9. 5	1.3 1.3 8.4	
CONSTRUCTION CONTRACTS																
Construction contracts in 50 States (F. W. Dodge Division, McGraw-Hill): Valuation, total	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 3 07	11, 246 218	14, 231 267	13, 713 279	10, 581 244	10, 391 258	
Public ownership mil, \$ Private ownership do By type of building:	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	
Nonresidential do Residential do Non-building construction do New construction planning (Engineering News-Record) do	31, 647 31, 261 29, 751 83, 795	30, 045 43, 651 33, 463 88, 457	2, 491 3, 716 1, 484 9, 771	2, 133 3, 236 1, 828 10, 674	2, 163 2, 927 1, 658 9, 351	1, 879 3, 427 2, 217 4, 438	3, 003 5, 149 1, 785 6, 441	2,890 5,266 3,922 5,526	3, 047 5, 660 7, 225 6, 979	3,063 5,945 6,409 7,045	2, 997 5, 548 2, 702 6, 844	3, 785 6, 148 4, 297 7, 736	3, 617 5, 518 4, 578 9, 091	3, 154 5, 452 1, 975 8, 238	3, 107 5, 281 2, 003 7, 313	
HOUSING STARTS AND PERMITS						İ										
New housing units started: Unadjusted: thous Total (private and public) thous Inside SMSA's. do Privately owned do One-family structures do	766.8 1,160.4	1,547.6 1,048.3 1,537.5 1,162.4	128. 2 89. 5 127. 1 89. 4	108. 1 78. 6 107. 4 71. 6	81. 5 63. 9 81. 3 55. 7	112.7 80.7 112.5 87.2	173. 6 124. 4 173. 6 125. 8	182. 4 126. 4 182. 2 138. 8	201. 3 134. 7 201. 3 152. 2	197. 8 131. 1 197. 6 149. 1	189. 8 130. 3 189. 8 138. 2	194. 2 129. 9 194. 0 140. 5	177. 8 121. 2 177. 7 131. 6	r 193. 1	7 110. 1 7 154. 9	95. 1 128. 4
Seasonally adjusted at annual rates: Total privately owneddo One-family structuresdo			1, 706 1, 236	1, 889 1, 324	1, 384 1, 006	1,802 1,424	2, 089 1, 503	1,880 1,413	1, 937 1, 455	1, 897 1, 389	2, 083 1, 437	2, 029 1, 453	2,065 1,523	7 2, 203 7 1, 562	7 2, 121 7 1, 543	2, 295 1, 605
New private housing units authorized by building permits (14,000 permit-issuing places): 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, 6 95 1, 135	1,850 1,216	, 1, 893 , 1, 257	1, 858 1, 223
Manufacturers' shipments of mobile homes (Manufactured Housing Institute): Unadjusted	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 o 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: 1913=100 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, 037 2, 181 2, 132 2, 082 1, 942	2, 190 2, 136 2, 173	2, 127	2, 129 2, 166	2, 180
Boeckh indexes: Average, 20 cities: Apartments, hotels, office buildings§.1972=100. Commercial and factory buildingsdo Residencesdo	127. 2 130. 4 125. 9	137. 3 141. 5 136. 2	147.0		147.8		150.1		151.6		154, 2		155.7		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.

Pincludes 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	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	CON	STRU	CTIO	N AN	D RE	EAL I	ESTA	ГЕ—(Conti	nued						
CONSTRUCTION COST INDEXES—Con.																
Engineering News-Record: Building	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	
Federal Highway Adm.—Highway construction: Composite (avg. for year or qtr.)1967=100 CONSTRUCTION MATERIALS	203.8	199. 3		200. 4			202. 2			215. 4			215. 9	 		
Output index:																
Composite, unadjusted $\[\mathcal{G} \]$	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								;	:							
Mortgage applications for new home construction: FHA net applications thous, units. Seasonally adjusted annual rates do Requests for VA appraisals do Seasonally adjusted annual rates do	157.7	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 amount	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	830. 30 1,311.79	
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. \$	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	7 9, 281	9, 150	
By purpose of loan: Home construction	32, 106	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																
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		1	Ī													
McCann-Erickson national seasonally adjusted: adjusted: 1967=100 Combined index do 400 Network TV do 400 Spot TV do 400 Magazines do 400 Newspapers do 400	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	71,328.7 746.0 7101.3 720.6 7138.1 791.0	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	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	3. 4 19. 5	
Newspaper advertising expenditures (64 cities): ⊕ Total	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 81. 6	
WHOLESALE TRADE ⊙								**		FF 80.	F1 000	EE 202	E4 505	754 071	EE 010	
Merchant wholesalers sales (unadj.), total ⊙ mil. \$ Durable goods establishmentsdo Nondurable goods establishmentsdo	200,094	580,894 246,732 334,162	49,525 20,904 28,621	51,217 20,758 30,459	46,352 19,895 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 3 0, 502	51,290 22,915 28,375	55, 597 25, 998 29, 599	54, 505 25, 461 29, 044	7 54, 251 7 25, 369 7 28, 882	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 21, 604	62, 056 37, 628 24, 429	62,179 37,879 24,300	62,056 37,628 24,429	62,910 38,455 24,455	63, 985 39, 362 24, 624	65, 097 39, 965 25, 131	65, 042 40, 168 24, 874	64,088 40,763 23,324	64, 117 41, 593 22, 523	63,666 41,738 21,928	64, 105 42, 142 21, 963	65, 291 42, 484 22, 807	7 66, 530 7 42, 627 7 23, 903	67, 468 42, 738 24, 730	

Durable goods establishments. do. 34, 123 37,628 37,879 37,628 38,455 39,362 39,965 40,168 40,763 41,738 42,142 42,484 42,738 42,738 42,142 42,738 42,739 42 OBeginning Nov. 1977 Survey, data revised to reflect new sample design, benchmarking to the 1967 and 1972 Censuses, conversion of the classifications to the 1972 SIC, addition of farm assemblers and bulk petroleum establishments, and revision and updating of seasonal factors. Revisions back to Jan. 1967, as well as a summary of the changes, appear in the report, Monthly Wholesale Trade: January 1967-August 1977 (Revised) available from the Census Bureau, Washington, D.C. 20233.

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.
	<u>·</u>	D	OME	STIC	TRA	DE-	Conti	nued	·	·						
RETAIL TRADE			1				<u> </u>			1]			
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	61,863	173,074
Durable goods stores QdoBuilding materials, hardware, garden supply,	178, 887	210, 530	17, 592	19, 591	15, 438	16, 349	20, 328	20, 559	20, 961	21,829	20, 553	21, 182	19,551	20,788	19,961	120, 64
and mobile home dealers 2	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, 94
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 •12, 036 1, 021	12,851 •11,800 1,051	12,878 •11,850 1,028	13, 555 •12, 456 1, 099	12,520 11,462 1,058	12,713 •11,641 1,072	11,327 10,273 1,054	r 12, 418 11, 313 r 1, 105	11, 520 10, 402 1, 118	110, 63
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, 85
Nondurable goods stores	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	7,616	r 41, 902 r 8, 991 r 7, 311 716	113,99
Food stores do. Grocery stores do. Gasoline 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	r 12, 201	114, 97: 113, 94: 14, 84
Apparel and accessory storesdo Men's and boys' clothingdo	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, 116 648	1 5, 00
Women's clothing, spec. stores, furriers.doShoe 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	
Pating and distributing places	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	5,607 1,828 1,087 463	1,831 1,135 470	1,898 1,833 1,067 573	5,485 1,794 1,028 549	7 1,847	r 5, 339 r 1, 837 1, 104 873	1 5, 60 1 2, 57
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	r 61, 482	161,04
Durable goods stores 9do. Building materials, hardware, garden supply, and mobile home dealers 9mil. \$. Building materials and supply stores.do Hardware storesdo.			18,098 2,816 1,949	19, 038 2, 910 2, 030	18,860 2,807 1,911	19, 382 2, 991 2, 090	19,863 3,123 2,186	19,833 3,135 2,190	19, 516 3, 129 2, 187 543	19, 436 3, 143 2, 211 540	19,505 3,175 2,230 552	19,984 3,229 2,287 543	19,763 3,297 2,335 550	r 3, 428	r 20, 640 r 3, 222 2, 272 537	1 3, 01
Automotive dealers do Motor vehicle dealers do Auto and home supply stores do		Į.	10,816 9,950 866	11, 562 10, 668 894	493 11, 626 10, 664 962	11,835 10,859 976	526 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	r 12, 540 11, 439	i	112, 33
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, 04
Nondurable goods stores			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	1 40, 71 1 7, 92 1 6, 35
Food stores do Grocery stores do Gasoline service stations do			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		13,005 12,171 4,712	13,099 12,251 4,693	r 13, 203 r 12, 299 r 4, 761	r 13, 552 r 12, 578 r 4, 828	1112.55
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	* 2,855 * 559 * 1,111 * 513	7 2,980 615 1,138 534	
Eating and drinking placesdo. Drug and proprietary storesdo. Liquor storesdo. Mail-order houses (dept. store indsc.)§.do.			4,899 1,765 1,057 520	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		r 5,567 r 1,882 1,104 573	1 1,92
E stimated inventories, end of year or month:† Book value (unadjusted), total†	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 goods stores Q 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		53, 621 24, 983 17, 271 9, 518 7, 466	
Book value (seas. adj.), total†do. Durable goods stores 9do. Building materials and supply stores. do. Automotive dealersdo. Furniture, home furn., and equipdo	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	r 87,227 r 38,515 5,571 20,157 6,499	87, 462 38, 752 5, 484 20, 334 6, 449	39, 134 5, 569 20, 659	
Nondurable goods stores Q do General merch, group stores do Department stores do Food stores do Apparel and accessory stores	39, 399 16, 876 10, 502	43, 364 18, 119 12, 342 8, 733 6 359	43, 113 17, 660 12, 053 8, 776 6, 287	43, 364 18, 119 12, 342 8, 733 6, 359	43, 870 18, 273 12, 410 8, 801 6, 392	44, 205 18, 857 12, 875 8, 641 6, 294	45, 046 19, 075 13, 057 8, 859 6, 414	45, 731 19, 467 13, 233 8, 904 6, 514	46, 207 19, 931 13, 525 9, 024 6, 516	47, 030 20, 446 13, 894 9, 086 6, 651	47, 196 20, 698 13, 911 8, 998 6, 653	48, 073 21, 444 14, 360 8, 943 6, 629	7 48,712 7 21,804 7 14,586 7 9,012 7 6,691	14,847	15, 110	

Food stores do 8,066 8,733 8,776 8,733 8,801 8,801 8,801 8,801 8,901 9,021 9,086 8,908 8,903 7,012 8,986 9,099 Apparel and accessory stores do 5,504 6,352 6,287 6,352 6,392 6,294 6,414 6,514 6,516 6,651 6,653 6,629 7,691 6,725 6,831 7,000 6

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.
		D	OME	STIC	TRA	DE	Conti	nued								
RETAIL TRADE;—Continued																
Firms with 11 or more stores: Estimated sales (unadjusted), total:mil. \$									219, 345	19, 368	20, 051	20, 300	20, 238	20, 976		
Durable goods storesdo Auto and home supply storesdo									² 1, 528 ² 242	1, 545 279	1, 532 258	1, 558 260	7 1, 541 7 249	1,596 267		
Nondurable goods stores Qdododo									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 \$\sigma\$. 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 storesdo									2 6, 914	6, 985 6, 891	7, 433 7, 339	6, 989 6, 894	7, 178 7, 097	7, 170 7, 084		
Apparel and accessory stores Qdo					ļ				2 877	864	835	1,006	7 981	1,044		1
Women's clothing, specialty stores, fur- riers									² 355 ² 225	348 230	347 208	416 245	7 395 7 223 7 258	436 239		
Eating places do Drug stores and proprietary stores do	1			t .		Į.	i		1	192 979	1, 106	1, 120	1,022	1,038		
										819 19, 693	860 20, 541	840	* 835 * 20, 431	843 20, 881		
Estimated sales (seas. adj.), total; Q do Auto and home supply stores do Department stores do Variety stores do Grocery stores do Grocery stores do									² 226 ² 5, 287 ² 528	5, 315 523	5, 633 525	245 5, 630 498	255 5,629 491	5,830 502		
Grocery stores do do do do do do do do do do do do do									² 7, 009 ² 921	7,017 907	7, 070 978	6,908	7, 133	7, 105 1, 036		
Apparel and accessory storesdo Women's clothing, spec. stores, furriers.do Shoe storesdo Drug 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. \$.			29, 963							31, 259		330, 103	30, 405	30, 972		
Durable goods stores do Nondurable goods stores do	8 901	32, 153 9, 515 22, 638	9, 3 98 20, 565	32, 153 9, 515 22, 6 38	30,789 9,037 21,752	30,222 9,052 21,170	30,227 9,348 20,879	30,755 9,628 21,127	31, 435 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 accountsdo Installment accountsdo	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	330, 555 39, 794 320, 761	30, 615 9, 696 20, 919	31, 064 9, 873 21, 191		
Charge accounts do Installment accounts do	11, 028 16, 736	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 18,657	³ 9, 738 ³ 20, 817	9, 811 20, 804	9,958 21,106		
	LAB	OR FO	ORCE	, EM	PLOY	YMEN	IT, A	ND E	ARNI	NGS						
POPULATION OF THE UNITED STATES																
Total, incl. armed forces overseastmil.	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					}											
Labor force, total (including armed forces), persons 16 years of age and over thous. Civilian labor force do do do do do do do do do do do do 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 95, 771	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 Agriculture do Nongericultural industries do	84, 783 3, 380 81, 403	87, 485 3, 297 84, 188	88, 542 3, 081 85, 460	88, 494 2, 850 85, 645	86, 856 2, 672 84, 184	87, 231 2, 709 84, 522	88, 215 2, 804 85, 411	89,258 3,140 86,118	90, 042 3, 478 86, 564	91, 682 3, 820 87, 862	92, 372 3, 790 88, 582	92, 315 3, 682 88, 633	91, 247 3, 326 87, 921	92, 230 3, 408 88, 822	92,473	92, 623 2, 914 89, 710
Unemployed do do Seasonally Adjusted \(\)	7, 830	7,288	7,095	7,022	7,848	8, 109	7,556	6, 568	6, 151	7, 453	6,941	6, 757	6, 437	6, 221	89, 292 6, 346	5, 880
Civilian labor force do Employed, total do Agriculture do Nonagricultural industries do			95, 871 88, 220 3, 248 84, 972	95, 960 88, 441 3, 257 85, 184	95, 516 88, 558 3, 090 85, 468	96, 145 88, 962 3, 090 85, 872	96, 539 89, 475 3, 116 86, 359	96, 760 90, 023 3, 260 86, 763	97, 158 90, 408 3, 386 87, 022	97, 641 90, 679 3, 338 87, 341	97, 305 90, 561 3, 213 87, 348	97, 697 90, 771 3, 252 87, 519	97, 868 91, 095 3, 215 87, 880	98, 102 91, 230 3, 272 87, 958	98, 998 92, 180 3, 362 88, 818	98, 926 92, 589 3, 331 89, 258
Unemployed do	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, 337 1, 838
Rates (unemployed in each group as percent of total in the group): All civilian workers Men. 20 years and over	8. 5 6. 7	7.7	8.0 6.3	7.8 6.2	7.4 5.6	77.6	r 7.4	77.1	7.1 5.3	7. 1 5. 0	6.9	7.0 5.2	r 6.8	7 6.8 5.3	7 6. 7 4. 9	6.4
Women, 20 years and over 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 17.8	6. 6 17. 9	7. 2 18. 6	6.9 17.4	7. 1	7. 0	6.8	7. 1 17. 1	6. 7 15. 4
White Black and other Married men, wife present	13.0	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 Blue-collar workers	4.7 11.7	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 7.8	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
Industry of last job (nonagricultural): Private wage and salary workers Construction Manufacturing Durable goods	10.9	7.9 15.6 7.9	8. 2 15. 4 8. 2	7. 9 14. 1 8. 2 8. 0	7.4 14.9 6.9 6.5	7.6 15.2 7.1 7.0	7.4 14.2 6.6 6.1	7. 0 12. 0 6. 7 6. 0	7. 1 13. 0 6. 2 5. 7	6.9 12.6 6.3	6. 8 12. 1 6. 7 6. 1	7.0 11.5 7.0 6.5	6.9 10.4 7.2 6.6	7. 1 12. 2 7. 0 6. 3	6.9 11.3 6.8 6.3	6. 3 10. 5 5. 8 5. 7

[&]quot;Revised 1 As of July 1. 2 See note "¶" 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 "¶" for p. S-12.

1 See note "¶" on p. S-12.

1 Revisions 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					
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) do Nonmanufacturing industriesdo Goods-producingdo Miningdo Contract constructiondo	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	r 82, 902 r 67, 565 r 47, 899 r 24, 436 859 r 3, 911	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	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, 236 156 625 495 633 1, 185 1, 415 2, 122 1, 874 1, 787 521 423	19, 278 11, 261 156 627 498 622 1, 180 1, 420 2, 134 1, 890 1, 786 7 523 425	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, 451 156 638 508 653 1, 215 1, 444 2, 165 1, 925 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	7 19, 717 7 11, 627 7 152 663 7 521 7 667 7 1, 207 7 1, 480 7 2, 236 7 1, 975 7 1, 781 532 413	19, 876 11, 746 153 663 529 669 1, 212 1, 495 2, 252 1, 993 1, 821 535 424
Nondurable goods Food and kindred productsdo. Tobacco manufacturesdo. Textile mill productsdo. Apparel and other textile productsdo. Paper and allied productsdo. Printing and publishingdo. Chemicals and allied productsdo. Petroleum and ecal productsdo. Rubber and plastics products, necdo. Leather and leather productsdo.	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 7 702 7 1, 119 7 1, 060 212 7 680 7 265	8, 130 1, 708 67 993 1, 296 709 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. Rinance, 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	7 4, 610 7 18, 414 7 4, 415 7 13, 999 7 4, 572 7 15, 533 7 15, 337 2, 730	7 18, 486 7 4, 439 7 14, 047 7 4, 600 7 15, 601	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 Othous. Manufacturingdo	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	r 56, 207 r 14, 345	56, 261 14, 329
Seasonally Adjusted†				E												
Production or nonsupervisory workers on private nonagricultural payrolls† thous. Goods-producing do. Mining do. Contract construction. do. 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. Electrical equipment and supplies do. Transportation equipment and supplies do. Instruments and related products do. Miscellaneous manufacturing do.	464 364 485 919 996 1, 346 1, 140 1, 148 293 309	53,054 17,067 593 2,849 13,625 7,866 72 508 402 498 933 1,046 1,339 1,210 322	53,537 17,171 612 2,871 13,688 7,932 70 524 404 506 929 1,053 1,354 1,229 1,235 313 315	53, 718 17, 186 613 2, 854 13, 719 7, 967 7, 70 528 406 501 925 1, 061 1, 358 1, 233 1, 250 316 319	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, 349 617 2, 880 13, 852 8, 039 70 532 409 489 919 1, 075 1, 378 1, 254 1, 267 320 326	54, 462 17, 594 17, 594 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, 211 772 543 419 521 952 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 73 527 943 1, 106 1, 438 1, 299 1, 281 322 315	55, 117 17, 784 609 3, 097 14, 078 8, 252 71 548 416 523 937 1, 104 1, 443 1, 296 1, 279 321 311	643 3, 095 14, 091 8, 266 70 553 418 524 948 1, 102 1, 444 1, 289 1, 285 324 309	7 55, 349 7 17, 910 7 645 7 3, 124 714, 141 7 8, 321 7 655 424 7 524 7 1, 118 7 1, 463 7 1, 287 7 325 7 311	55, 588 17, 997 648 3, 149 14, 260 8, 367 67 427 587 427 533 949 1, 129 1, 461 1, 316 1, 279 326 313	
Nondurable goods do. 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 coal products do. Rubber and plasties products, nec do. Leather and leather products do.	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 1,156 855 1,102 528 640 609 137 522 223	5, 825 1, 157 54 857 1, 100 526 639 608 138 522 224	7 5, 820 7 1, 139 7 55 860 1, 100 528 7 641 7 607 7 139 7 524 227	53 865 1, 102 531 643 611	
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	36, 954 3, 893 16, 035 3, 614 12, 421 3, 402 13, 624		37, 091 3, 903 16, 114 3, 623 12, 491 3, 420 13, 654			13, 827	7 3, 476 7 13 867	16, 240 3, 656 12, 584 3, 493 13, 947	total

Revised. *Preliminary. Ose 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, 1966. 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 below, data	1975	1976	19	76						197	77					
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. p	Dec. P
LABO	R FO	RCE,	EMP	LOYN	MENT	Γ, AN	D EA	RNI	NGS-	-Conti	inued					
AVERAGE HOURS PER WEEK† Seasonally Adjusted†																
Avg. weekly hours per worker on private nonagric. payrolls: ¶ Seasonally adjusted	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 do Overtime hours 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 Miscellaneous manufacturing ind	39. 9 2. 5 41. 3 39. 1 37. 9 40. 6 40. 0 40. 0 39. 5 40. 3 39. 5 38. 3	40. 6 3. 1 40. 7 40. 2 38. 7 41. 2 40. 6 40. 7 41. 1 40. 0 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. 2 40. 2 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 41.6 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 40. 3 39. 0	41. 0 3. 6 41. 1 40. 0 38. 7 41. 6 41. 5 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 41.3 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 41. 3 41. 1 42. 0 40. 3 7 42. 7 40. 6 39. 1	41. 1 3.7 7 40. 2 7 40. 5 7 39. 5 7 41. 3 7 41. 3 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 7 41. 0 41. 8 40. 5 41. 5 40. 0 39. 2
Nondurable goods	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	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 7 37.9 41.7 7 43.3 7 40.9 7 37.7	43. 1 37. 8 41. 4 43. 6 40. 8 37. 2
Trans., comm., elec., gas, etc. do Wholesale and retail trade. do Wholesale trade. do Retail trade. do Finance, insurance, and real estate. do Services. do	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-HOURS Seasonally Adjusted																
Employee-hours, wage & salary workers in non agric. establish, for I week in the month, season ally adjusted at annual rate† bil. hours. Total private sector do	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 39, 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 1.83 7 6.53 7 39.46 7 9.40 7 31.24	r 124. 88 r 1. 86 r 7. 14 r 40. 13 9. 59 r 31. 47	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		7 156, 50 7 126, 65 7 1, 94 7 7, 49 7 40, 82 7 9, 61 7 31, 76 8, 55 26, 47 7 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	7 157. 99 7 128. 24 2. 00 7 7. 57 7 41. 18 7 9. 61 7 32 08 7 8. 78 27. 02 7 29. 75	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 weekly):¶ Private nonagric. payrolls, total. 1967=100. Goods-producing. do Mining. do Contract construction. do Manufacturing. do Durable goods. do Nondurable goods. do Service-producing. do Transportation, comm., elec., gas. do Wholesale and retail trade. do Wholesale trade. do Retail trade. do Finance, insurance, and real estate. do Services. 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. 3 120. 6 126. 9	112. 8 *97. 1 132. 6 104. 9 94. 5 93. 8 95. 6 123. 7 163. 3 119. 1 114. 8 120. 7 129. 1 137. 7	113. 3 97. 0 133. 7 104. 0 94. 5 93. 7 124. 7 104. 9 120. 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. 7 119. 4 115. 4 120. 8 130. 1 138. 8	114, 2 98, 6 134, 3 105, 8 96, 1 95, 2 97, 3 125, 0 104, 4 120, 3 117, 1 121, 6 130, 2 139, 3	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, 0 139, 8	115, 4 100, 8 141, 6 111, 7 97, 5 96, 9 98, 5 123, 8 121, 0 117, 3 122, 4 131, 0 140, 1	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. 7 139. 6	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, 9 121, 8 117, 8 123, 3 133, 2 140, 9	116.8 7 101.7 7 143.9 7 112.3 7 98.4 7 99.3 97.1 127.2 1102.9 122.7 118.7 124.2 134.2 7 142.7	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. 9 143. 1
Average hourly earnings per worker: Not seasonally adjusted: Private nonagric. payrolls	4. 54 5. 90 7. 25 4. 81 4. 66 5. 148 4. 98 5. 23 4. 28 3. 75 4. 89 6. 17 5. 36 4. 58 6. 4. 58 6. 6. 22 4. 56 5. 3. 79	4. 87 6. 42 7. 68 5. 19 5. 00 5. 55 5. 57 4. 71 3. 98 5. 43 5. 76 6. 80 5. 43 6. 49 1. 4. 51 4. 51 4. 51 4. 51 4. 51 4. 51 5. 43 5. 72 6. 80 6.	5. 00 6. 62 7. 86 5. 34 5. 14 5. 68 5. 98 4. 86 4. 07 5. 53 5. 91 5. 50 6. 94 5. 50 6. 94 4. 99 4. 99	5. 02 6. 71 7. 88 5. 42 5. 21 5. 78 5. 55 6. 05 4. 88 4. 13 5. 47 7. 00 5. 69 5. 15 6. 99 5. 19 6. 94 6. 94 6. 94 6. 94 9. br>96 96 96 96 96 96 96 96 96 96 96 96	5.07 6.76 7.96 5.46 5.25 5.81 5.59 6.06 4.95 7.03 5.58 6.01 5.16 6.95 5.10 4.24	5. 09 6. 76 7. 88 5. 43 5. 24 5. 79 5. 57 6. 06 4. 91 4. 16 5. 54 7. 06 5. 57 6. 02 5. 17 6. 82 5. 12 6. 82 5. 12 6. 82 5. 12 6. 82 5. 12 6. 82 6. 82	5. 12 6. 78 7. 87 5. 48 5. 27 5. 84 5. 61 6. 12 4. 89 4. 19 5. 57 7. 13 5. 60 4. 19 5. 10 4. 27	5. 15 6. 80 7. 88 5. 52 5. 31 5. 88 5. 65 6. 14 4. 94 4. 21 5. 66 7. 22 5. 67 6. 07 5. 20 5. 11 4. 27	5. 19 6. 81 7. 91 5. 56 5. 95 5. 70 6. 16 4. 97 4. 23 7. 39 5. 73 7. 10 5. 23 7. 10 5. 13 4. 31	5. 22 6. 88 7. 97 5. 60 5. 74 6. 15 5. 01 4. 28 6. 15 5. 29 7. 45 5. 29 7. 18 5. 15	5. 25 6. 90 8. 00 5. 65 5. 43 6. 03 5. 79 6. 24 5. 07 4. 29 5. 83 7. 52 6. 17 5. 34 7. 15 5. 20 4. 33	5. 26 6. 86 8. 06 5. 65 5. 42 6. 03 5. 76 6. 30 5. 13 4. 35 5. 84 7. 60 5. 87 6. 21 5. 40 7. 11 7. 11 7. 11 7. 11 7. 11 7. 12 8. 13 8. 14 8. 15 8. 16 8. 16	5. 36 7. 05 8. 20 5. 75 5. 48 6. 14 5. 83 5. 12 4. 39 4. 39 6. 32 5. 46 7. 27 5. 28 5. 48 7. 27 5. 28	5. 40 7.7. 08 7.8. 25 5. 7.8 5. 5. 7.8 7. 6. 19 7. 5. 91 7. 7. 72 6. 00 7. 6. 39 7. 7. 43 7. 7. 43 7. 5. 28 7. 4. 39	7 5. 41 77.11 7 8. 22 5. 81 5. 56 6. 21 6. 21 7 5. 94 6. 44 7 5. 22 7 4. 43 7 7. 77 6. 03 7 6. 41 7 7. 46 7 7. 43 7 7. 74 8 7 7. 75 9 7 7 4 9 7 7 7 4	5. 41 6. 61 8. 23 5. 61 6. 29 6. 46 9. 59 6. 42 6. 59 6. 52 5. 58 7. 79 4. 48

^{&#}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 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). Twages as of Jan. 1, 1978: Common, \$9.77; skilled, \$13.01. Revisions for 1975 are in the July 1976 Survey.

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

Inless 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	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
LABO	R FO	RCE,	EMP	LOYN	IENT	, AN	D EA	RNIN	GS-	Conti	nued			!		
UNEMPLOYMENT INSURANCE															1	
Inemployment insurance programs: Insured unemployment, all programs, average												0.751				
weekly § 9 thous. State programs (excl. extended duration prov.) Initial claims thous.	4, 943 24, 863	3,822 20,065	3, 453 1, 767	3,884 2,252	4, 442 2, 552	4, 448 1, 995	3, 972 1, 483	3, 506 1, 357	3, 105 1, 325	2,939 1,429	3, 065 1, 707	2,751 • 1,467	2, 643 1, 229	2, 649 p 1, 350	» 2, 853 » 1, 580	1
Insured unemployment, avg. weeklydo Percent of covered employment:	3, 986	2, 991	2, 694	3, 103	3, 638	3, 647	3, 173	2,752	2, 414	2, 289	2, 465	2,322	2,089	2,071	p 2, 274	
Unadjusted Seasonally adjusted	6. 0 3, 371	4. 6 2, 450	4.1 4.8 2.046	4.7 4.4 2,368	5.5 4.2 2,975	5.5 4.2 3,106	4.8 3.8 2,897	4. 1 3. 7 2. 363	3.6 3.7 1,998	3. 4 3. 8 1, 988	3. 6 3. 9 1, 898	3. 4 4. 1 1, 933	3. 1 4. 1 1, 693	3. 0 4. 0 2 1, 613	p 3. 3 p 3. 9 p 1. 663	
Beneficiaries, average weekly thous. Benefits paid \ mil. \\$	11,754.7	8, 974. 5	666.7	819.0	955.3	975.6	1, 038. 5	763.7	666.0	658.3	592.4	671.3	565. 2	p 584. 2	p 604. 6	
Federal employees, insured unemployment, average weekly thous. Veterans' program (UCX):	45	50	52	55	60	59	57	50	43	41	41	3 9	38	40	p 41	
Initial claimsdo Insured unemployment, avg. weeklydo	413 100	401 98	33 96	35 101	33 103	29 101	31 95	26 87	26 78 74	32 74	32 76	34 74	31 69	⊅ 28 67	^p 27 ^p 67	
Benefits paid mil. \$	528. 5	98	90 32. 4	96 36. 0	104 35, 6	99 32. 5	97 36. 9	85 29. 6	$\begin{array}{c} 74 \\ 27.2 \end{array}$	76 28, 0	76 71 25, 1	72 28. 2	65 25. 0	p 64 p 25. 3	p 69 p 26. 2	
Applications thous Insured unemployment, avg. weekly do	15 3 27	115 27	9 24	6 23	8 29	8 30	5 28	3 21	2 16	11 13	17 15	13 18	10 20	7 20	8 21	
Benefits paid	89. 5	134.8	9.5	10.1	11.0	10.9	13.5	9. 1	6. 2	6.7	4, 7	5.9	5.5	7.4	9, 1	
					FINA	NCE				,					,	
BANKING																
pen market paper outstanding, end of period: Bankers' acceptances mil. \$. Commercial and financial co. paper, totaldo	18,727 47,690	22,523 52,011	20, 678 53, 080	22,523 52,011	22, 36 2 53,905	22, 187 54, 432	22, 694 54, 671	22 899 56, 333	23, 201 57, 573	23, 440 59, 372	23, 499 58, 760	23, 091 59, 397	23, 317 59, 952	23, 908 63, 920	24,088 63,927	
Financial companies do Dealer placed do do do do do do do do do do do do do	37, 515 6, 239	39,680 7,294	39, 768 7, 113	39,680 7,294	40,100 7,347	39, 683 7, 291	40, 980 7, 271	41,613	43, 136 7, 492	44, 642 7, 761	44, 404 7, 935	44, 886 7, 854	44, 815 8, 094	48, 147 8, 784	48, 361 8, 806	
Directly placed do Nonfinancial companies do	10, 175	32, 386 12, 331	32, 655 13, 312	32, 386 12, 331	32,753 13,805	32, 392 14, 749	33, 709 13, 691	34, 288 14, 720	35, 644 14, 437	36, 881 14, 730	36, 469 14, 356	37, 032 14, 511	36, 721 15, 137	39, 363 15, 773	39, 555 15, 566	
gricultural loans and discounts outstanding of agencies supervised by the Farm Credit Adm.: Total, end of periodmil. \$	31,741	36, 740	36, 387	36,740	37, 507	38, 199	39, 141	39, 581	40, 035	40, 322	40, 644	40,889	41, 112	41, 442	41, 600	
Farm mortgage loans: Federal land banksdo	16, 564	19, 127	18, 918		1	19,530	19,944	20, 242	20,540	20,820	21,076	21, 302	21, 524	21,714	21, 923	
Loans to cooperatives doOther loans and discounts do	3, 979 11, 198	4, 931 12, 682	4, 997 12, 472	19, 127 4, 931 12, 682	19, 298 5, 596 12, 612	5, 924 12, 745	6, 140 13, 057	5, 924 13, 416	5, 654 13, 841	5, 232 14, 271	5,001 14,566	4, 914 14, 673	4, 953 14, 63 5	5, 407 14, 321	5, 696 13, 981	
ank debits to demand deposit accounts, except interbank and U.S. Government accounts,												ļ		•		
annual rates, seasonally adjusted: Total (233 SMSA's) O			28, 049. 0	28, 911. 0 13, 835. 0	29, 288, 1 14, 411, 8	30, 145. 4 14, 898. 0	30, 421. 7 14, 612. 1	30, 585. 5 14. 988. 9	32,028.5 15, 739, 7	32,394.9 15.516.4		 -				
Total 232 SMSA's (except N.Y.)			14, 553. 5 5, 693. 2	15, 076. 1 5, 917. 1	14,876.3 5,864.3	15, 247, 4 5, 887, 1	15, 809. 6 6, 155. 7	15, 596, 5 6, 055, 5	16, 284, 2 6, 420, 4	16,878.5 6, 213. 1			 			
226 other SMSA'sdodododo			8,860.4	9, 159. 0	9,012.0	9, 360. 2	9,653.9	9,541.1	9,863.8	10,665.4		1	j	•		
Assets, total Qmil. \$	123, 997	1	126,844		125,517	1	i]	j			134,425	1 '	128,999	1	1
Reserve bank credit outstanding, total 9 do Time loans do U.S. Government securities do	. 211	95	40	25	103,644 47	94	271	111,163 379 99,967	108,982 400 97 304	114,757 260 102, 239	788 98, 711	109,302 1,265 98,436	115,972 1,069 104,715	106,794 923 94,597	r 926	1
Gold certificate accountdo	11,599		91,660 11,598	i	i	1			11,629	11,620	11,595	11, 595	11, 595	11, 595	11, 595	11,
Liabilities, total Qdo Deposits, totaldo	1	133, 540 38, 016	126,844 31, 332		125,517	127,056 36,313	129,044 35, 950	135,084	131,108 36, 114	137,763 40,872	133,932 36,748	134,425 35,591	139,288	1	r133,591	1
Member-bank reserve balances do Federal Reserve notes in circulation do	26,052	25, 158 85, 590	23, 239 84, 281	25, 158 85, 590	35, 833 23, 411 81, 198	22,916 81,709	27, 814 83, 257	25, 773 83, 757	29, 009 85, 333	24,562 86,326	26,912 86,674	28,262	23, 953 87, 361	22, 841 88, 380	7 26, 345 91, 229	26, 9 3 ,
.ll member banks of Federal Reserve System, averages of daily figures:																
averages of daily figures: Reserves held, total	1 34, 989 1 34, 727	35, 136 34, 964	34, 797 34, 433	35, 136 34, 964	36, 290 35, 796	34,199 34,234	34, 135 33, 870	34, 613 34, 602	34, 732 34, 460	34,406 34,293	35,391 35,043	35,186 34,987 199	35,156 34,965	35, 521	735, 782 735, 647	P36,
Excess do. Borrowings from Federal Reserve banks do. Free reserves do.	1 262 1 127 1 148	172 62 122	364 84 301	172 62 122	494 61 441	-35 79 -102	265 110 168	11 73 -48	272 200 103	113 262 -94	348 336 72	1,071 -771	191 634 -331	339 1,319 -866	7 135 7 840 7 -622	p p
arge commercial banks reporting to Federal Re- serve System, Wed. nearest end of yr. or mo.:								<u> </u>								
Deposits: Demand, adjusted ofmil. \$mil. \$	1	112,773	110,999	112,773	109, 046	107, 755	107, 553	109, 800	109, 343	110, 328	110, 421	113, 266	109, 130	113,077	113, 231	120,
Demand, total 9 doIndividuals, partnerships, and corp doState and local governments do	184, 174 132,245	181, 528 130, 575	183,073	· ·	172, 695 123, 671	173, 182	170, 784	i i	1 .	l	179, 973 128, 296	182.949	176 535	182,852	189, 514 135, 815	200,
State and local governments do U.S. Government do U	1,386	6, 041 1, 620	130,287 6,597 1,385	6,041 1,620	6, 816 1, 467	124, 769 6, 222 1, 313	123, 138 5, 814 1, 045	6, 205 4, 881	185, 989 132, 874 6, 678 1, 083 29, 090	6, 298 1, 349 25, 407	6, 079 2, 777 26, 049	6, 320 1, 013	125, 685 5, 748 5, 3 52 25, 178	6,630 1,196	6, 235	6,
Domestic commercial banksdo	29, 322	27, 383	27, 430	27, 383	25, 238	25, 900	26, 323	l	1	J	1	j	l	27,714	29, 389	29,
Time, total 9dododo	68, 445	89, 473	224, 828 86, 851	89, 473	230, 446 91, 515	230, 598 92, 711	94, 998	l '	i '	1	94, 331 110, 461	· ·	í ·	92,844	246, 729 92, 276	92,
Other timedo	115, 961	107, 545	105, 244	107,545	105, 159	104, 540	106, 157	1		1			1	114,684	117, 672	121,
Loans (adjusted), total do	120,66i	291, 495 116, 480 12, 327	290, 428 115, 507 12, 617	116,480	289, 825 114, 771 12, 213	290, 042 116, 187 11, 625	291, 422 116, 791 11, 682	292, 549 117, 447 11, 966	298, 242 117, 982 12, 748	299, 724 119, 439 12, 296	305, 006 119, 308 13, 667 22, 461	119, 292 12, 854	120, 936 120, 290 13, 075	316,908 123,508 12,905	318, 767 123, 573 13, 167	13.
To nonbank financial institutions do Real estate loans do	27, 180 59, 530	24, 540 63, 409	23, 863 63, 227	24, 540 63, 409	23, 264 63, 945	22,964 64,485	23, 560 64, 974	23, 017 65, 432	12, 748 23, 208 66, 304 100, 307	07,721	00,900	09, 999	11,303	23, 188 72, 490	23, 285 73, 444	23,
Other loans	87, 404 100, 345	111 459	94, 157	96, 816	95, 291	93,696	93, 940 109, 507		100, 307 111, 594	1	101, 205 110, 660		101,651	110,989	107, 158 112, 725	1
Investments, total do U.S. Government securities, total do Notes and bonds do	40, 178 26, 464	50, 076 36, 825	47, 615 36, 089 60, 886	50,076 36,825	47, 615 36, 494	49,649 39,429	49, 489 39, 730	47, 696 40, 099	48, 273 39, 459	48, 295 39, 153	46,726 38,701	46, 485 38, 458	45, 713 38, 073	44, 816 37, 212	45, 659 37, 468	46, 37,
Other securities	60, 167				59, 803	59,855	60,018	63, 480	63, 321	63, 954		64,860		66, 173	67,066	1 67,

r Revised. r Preliminary. ¹ 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. △ Insured unemployment as % of average covered employment in a 12-month period. ② Includes data not shown separately. ♂ For demand deposits, the term "adjusted" denotes demand deposits other than domestic commercial bank and U.S. Government, less cash items in

process 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). OTotal 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.

1077

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	NAN(CE—C	Contir	nued		•							
BANKING—Continued				I					1							
Commercial bank credit (last Wed. of mo., except for June 30 and Dec. 31 call dates), seas adj.:† Total loans and investments obil. \$. Loans ob. U.S. Government securities do. Other securities do.	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. 28 6. 88 7. 62 7. 28 7. 51 7. 33 7, 52													
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 mort- gages):¶ 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. 8 3	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 rate do	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)				:	:											
Installment credit extended and liquidated: Unadjusted: Extended, total Q mil. \$ Automobile paper do Mobile home do Home improvement do Revolving: Bank credit card do	51, 413 4, 323 5, 556 20, 428	193,328 62, 988 4, 841 6, 736 25, 862	16,813 5,004 387 567 2,305	19,588 5, 162 382 551 3,050	14,051 4, 297 272 410 2, 207	14,571 4,949 322 461 1,945	18,899 6,711 453 652 2,267	18,733 6,304 493 690 2,361	19,275 6,473 445 704 2,485	20,765 7,197 496 821 2,666	18,801 6,286 484 740 2,453	21,314 7,035 540 856 2,934	19 298 6, 178 454 740 2, 937	18,784 5,898 464 696 2,818	19, 721 5, 924 442 701 2, 878	
Bank check credit	156,665 48,406 4,517 4,675	4, 783 172,795 52,750 4, 691 5, 151 24, 012 4, 552	431 15,062 4,577 384 436 2,167 401	505 15,337 4,514 371 452 2,262 407	454 14, 813 4, 483 366 443 2, 273 429	417 14,532 4,407 380 438 2,107 404	16,888 5,334 428 509 2,370 472	15,790 4,856 417 498 2,167 426	16,167 4,914 426 512 2,412 418	506 16,591 5, 225 410 529 2, 390 424	493 15,828 4,811 398 509 2,261 428	555 16,927 5,312 440 553 2,461 441	513 16, 361 4, 998 386 536 2, 513 418	475 16, 937 5, 260 415 525 2, 640 429	16, 788 5, 013 372 526 2, 612 447	
Seasonally adjusted: Extended, total 9			16,712 5,312 403 622	17.677	17,241 5,511 372 571 2,182 465	17,595 5,819 383 577 2,408 465	18,496 6,199 445 648 2,406 475	18,784 6,106 479 668 2,576	18,503 6,048 415 636 2,621	18,810 6,063 420 686 2,640 521	18,631 5,966 455 671	19,204 6, 158 479 733 2, 711	6, 109 424 679 2, 847	6, 083 457 718 2, 973	6, 330 464 761 2, 828	
Liquidated, total Qdo. Automobile paperdo. Mobile homedo. Home improvementdo. Revolving:			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	15,886 4,901 414 480	15,849 4,801 421 502	386 505	4,897 397 506	5, 104 424 551	5,005 392 536	5, 234 413 517	5, 089 390 550	1
Bank credit carddo Bank check creditdo			2, 148 403	2, 228 415	2, 176 421	2, 201 420		2, 298 415		2, 403 431		2, 396 450		2, 687 430		
Total installment credit outstanding, end of year or month	55, 879 14, 423 9, 405 9, 501 2, 810	185,489 66, 116 14, 572 10, 990 11, 351 3, 041 79, 418	181,237 65,469 14,561 10,891 10,563 2,943 76,810	66,116 14,572 10,990 11,351 3,041	14,479 10,956 11,285 3.066	66,473 14,421 10,978 11,123 3,080	67,850 14,447 11,122 10,020 3,075	69,298 14,521 11,315 11,215 3,094	70,857 14,540 11,507 11,287 3, 148	72,829 14,627 11,794 11,563 3,230	74,304 14,713 12,025 11,754 3, 295	76,027 14,812 12,329 12,227 3,409	77. 207 14. 880 12, 532 12. 651 3, 504	77, 845 14, 929 12, 703 12, 829 3, 551	14, 999 12, 879 13, 096 1 3, 601	
By holder: Commercial banks	78, 667 35, 994 25, 666 18, 002 6, 626	89, 511 38, 639 30, 546 19, 052 7, 741	88,112 38,090 30,053 17,335 7,647	89,511 38,639 30,546 19,052 7,741	89,393 38,790 30,410 18,378 7,757	89,484 38,868 30,701 17,860 7,852	90,585 39,188 31,448 17,585 7,971	92,377 8 39,561 8 31,912 5 17,734 1 8,136	93,875 40,127 2 32,704	96,149 40,712 33,750 18,032 8,355	41, 398 34, 122 18, 137 8, 520	31, 987 35, 077 18, 475 8, 760	7 42, 333 7 35, 779 5 18, 725 0 8, 894	3 42,70- 9 35,993 5 18,96 4 8,975	43, 32: 36, 488 1 19, 62: 9, 166	3

r Revised. p Preliminary. 1 Average for year. 2 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			-			19	77					
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	'		<u>'</u>				_		
FEDERAL GOVERNMENT FINANCE			 													
Budget receipts and outlays: Receipts (net)	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	¹ 45, 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	6,043 -2,871 8,914	-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		
Gross amount of debt outstandingdo Held by the publicdo	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			707, 693 553, 694		
Budget receipts by source and outlays by agency: Receipts (net), total	1 122, 386 1 40, 621	¹ 299,197 ¹ 130,795 ¹ 41,409	25,694 12,530 6 99	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		
Other	¹ 86, 441 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	14, 203 2, 961	7, 6 96 3, 052	7,961 3,016	12, 958 3, 185	7,828 3,112	6, 550 2, 857		
Outlays, total 9 doAgriculture Department doDefense Department, military doHealth, Education, and Welfare Department	1 9,725 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			37 1, 2			373. 2			
Personal tax and nontax receipts do Corporate profit tax accruais do Indirect business tax and nontax accruals. do Contributions for social insurance do	125. 6 43. 1 24. 0 94. 2	147. 3 55. 9 23. 4 105. 7					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. 2
Federal Government expenditures, total†do	357.1	386.3	1	400, 4			403.7			411.5			432. 1		-	₽ 446. 7
Purchases of goods and servicesdo National defensedo	123. 3 83. 9	130. 1 86. 8		134, 2 88, 4			136. 3 89. 7			143. 6 93. 4			148. 1 95. 6			p 153. 8 p 98. 6
Transfer payments	149. 1 54. 6 23. 3 6. 7	162.0 61.0 27.2		65, 5 28, 5			170. 7 62. 0 28. 6 6. 1			29. 1			174. 8 72. 7 29. 4			
Less: Wage accruals less disbursements_do	.0	.0	1	.0			.0			.0				1	_	₽.0
Surplus or deficit (-)do	-70.2	-54.0	ļ	-55.9			-38.8			-40.3		-	58.9		-	-
LIFE INSURANCE Institute of Life Insurance:																
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	321. 55 20. 26 154. 93 91. 55 84. 13	20. 66 152.11 90. 79		322. 49 19. 75 157. 26 91. 62 84. 19	324. 16 20. 12 158. 38 91. 65 84. 13	20. 98 158. 70	21. 03 160. 29		21. 25 164. 19	21. 64 165. 78	166.94		22. 79 168. 73 94. 68 86. 12		
Real estate	24. 47 1. 92	10. 48 25. 83 2. 00 16. 50	25. 70 1. 17	10. 48 25. 83 2. 00 16. 50	10. 55 25. 92 1. 51 15. 88	10. 63 26. 05 1. 37 15. 96	10. 74 26. 21 1. 56 16. 75		10.82 26.50 1.62 17.12	1.56	26. 78 1. 50	26. 95 1. 60	27. 09 1. 60	27. 22 1. 46		
Life Insurance Agency Management Association: Insurance written (new paid-for insurance): Value, estimated totalmil. \$. Ordinary (incl. mass-marketed ord.)do Groupdodo Industrialdodo	185, 779 2 96, 34 9	321, 167 212, 003 102, 791 6, 373	18, 716 8, 779	16, 855	26, 002 15, 970 9, 534 498	24, 722 17, 114 7, 114 494	20,858	19, 400 6, 786	20, 115 6, 717	21,024 9,430	17, 833 8, 624	20,418	19, 689 13, 020	20,750 8,088	21, 322 8, 549	
MONETARY STATISTICS Gold and silver:			}													
Gold: Monetary stock, U.S. (end of period)mil. \$- Net release from earmark \$do. Exportsthous. \$- Importsdo	93 458,853	11, 598 331 347, 516 331, 017	48 8, 395	52, 805	71 142, 509	65, 292	5, 898	-11 1,908	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					2
Silver: thous. \$ Exports do. Price at New York dol. per fine oz. Production: United States thous. fine oz.	330, 556	325, 252 4. 353	31,533	38, 765 4. 348	4.409	4.535 2,026	41,854 4.842 1,644	31, 170 4, 777 2, 169	25, 796 4, 692 2, 446	30, 236 4. 443 2, 800	17, 886 4. 498 1, 054	31, 290 3 4. 444 4 2, 267	31,776 4,539 7 1,989	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	32, 698 4. 829 1 3, 280	SURVEYS

^{*} Revised. * Preliminary. 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. * Includes \$1,694 mil. Vets group life ins. * Q 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	7				•	_
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																
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 do_ Currency outside banks do_ Demand deposits do_ Time deposits adjusted¶ do_			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)Oratio of debits to deposits. New York SMSAdo	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						
Total 232 SMSA's (except N.Y.)do 6 other leading SMSA's♂do 226 other SMSA'sdo	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. 6 133. 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						
PROFITS AND DIVIDENDS (QTRLY.)						ļ										Ì
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			1, 164 168 482			19, 722 1, 573 168 618 2, 248						
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 suppliesdo	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	ł		i
Common stockdo Preferred stockdo	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	5, 099 1, 182 399 1, 466	3, 853 1, 309 289 568	3, 172 966 296 497	3, 598 551 156 1, 417		-	
Transportation do Communication do Financial and real estate do	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			r 3, 112 r 1, 339	
SECURITY MARKETS																
Stock Market Customer Financing												-				
Margin credit at brokers and banks, end of month, total	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	8,891 810	9, 885 9, 078 807	10,068 9,267 801	10, 255 9, 432 823	10, 490 9, 667 823	9, 763 829	9, 793 6 824	9,756 827		-
Margin accounts do Cash accounts do do	1 475 1 1, 525	585 1,855	615 1,740	585 1,855	645 1,930	1,815		615 1,715	1,710	595 1,805	600 1,860	605 1,745				.

r Revised. P Preliminary. I End of year. Beginning Jan. 1973, does not include noncorporate bonds and notes formerly included. Effective February 1976 Survey, data revised to reflect: Annual review of seasonal factors; regular benchmark adjustment; effect of changes in check collection procedures (Regulation J); and adjustments to include new figures from internationally oriented banking institutions. Monthly revisions back to 1970 are in the Feb. 1976 Federal Reserve Bulletin.

¶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					- *
the 1975 edition of BUSINESS STATISTICS	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	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	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: Market valuemil. \$ Face valuedo	9,345.90 10,703.85														 	
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
Yields: Domestic corporate (Moody's) \$	9.57 8.83 9.17 9.65	9. 01 8. 43 8. 75 9. 09	8. 66 8. 25 8. 46 8. 69	8. 47 7. 98 8. 24 8. 53	8. 41 7. 96 8. 16 8. 45	8. 48 8. 04 8. 26 8. 49	8. 51 8. 10 8. 28 8. 55	8. 49 8. 04 8. 28 8. 55	8. 47 8. 05 8. 28 8. 55	8. 38 7. 95 8. 19 8. 46	8. 33 7. 94 8. 12 8. 40	8. 34 7. 98 8. 17 8. 40	8. 31 7. 92 8. 15 8. 37	8. 42 8. 04 8. 26 8. 48	8. 48 8. 08 8. 34 8. 56	8, 54 8, 19 8, 40 8, 57
Baado By group: Industrialsdo Public utilitiesdo Railroadsdo	9. 25 9. 88 9. 39	9. 75 8. 84 9. 17 8. 85	9. 23 8. 54 8. 77 8. 48	9. 12 8. 33 8. 61 8. 39	9. 08 8. 24 8. 59 8. 27	9. 12 8. 33 8. 63 8. 26	9. 12 8. 36 8. 66 8. 26	9. 07 8. 32 8. 65 8. 17	9. 01 8. 30 8. 64 8. 12	8. 91 8. 23 8. 53 8. 06	8. 87 8. 18 8. 48 8. 02	8. 82 8. 21 8. 47 8. 05	8. 80 8. 19 8. 43 8. 03	8. 89 8. 27 8. 56 8. 07	8, 95 8, 36 8, 61 8, 10	8, 99 8, 42 8, 65 8, 10
Domestic municipal: Bond Buyer (20 bonds)do Standard & Poor's Corp. (15 bonds)do	7.08	6. 56 6. 49	6. 03 6. 05	5. 83 5. 69	5. 93 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. 37	5. 55 5. 53	5.47 5.38	5. 66 5. 48
U.S. Treasury bonds, taxable ⊙do	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
Stocks Dividend rates, prices, yeilds, and earnings, common stocks (Moody's): Dividends per share, annual rate, composite dollars. Industrials. Public utilities. do Railroads. N.Y. banks OProperty and casualty insurance cos. do	(1)															
Railroads do N.Y. banks do Property and casualty insurance cos do																
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	1										.	_ 1	1	1	
Earnings per share (indust., qrtly. at ann. rate; pub.util. and RR.,for12mo.endingeach.qtr.): Industrials	. (1)															
Dividend yields, preferred stocks, 10 high-grade (Standard & Poor's Corp.)percent.		8, 06	7.80	7. 70		7, 55	7. 56								7. 67	7.85
Prices: Dow-Jones averages (65 stocks) Industrial (30 stocks) Public utility (15 stocks) Transportation (20 stocks)	802.49	303. 91 974. 92 92. 28 214. 03	303.03 944.58 99.59 217.53	317, 03 976, 86 105, 33 232, 43	970, 62 108, 88	308. 93 941. 77 107. 49 227. 29	309. 63 946. 11 106. 48 225. 94	929. 10 107. 71	926. 31 110. 49	916. 56 113. 63	908. 20 117. 11	872. 26	853, 30 112, 37	823. 96 111. 76	284.77 828.51 110.85 212.22	818. 80 111. 45
Standard & Poor's Corporation: \(\sigma^2\) Combined index (500 Stocks) \(\cdot \) 1941-43=10. Industrial, total (400 Stocks) \(\gamma\) do Capital goods (111 Stocks) \(\cdot \) do Consumer goods (189 Stocks) \(\cdot \) do	96. 56 94. 63	102, 01 114, 35 115, 52 92, 73	101. 19 112. 96 111. 33 90. 98	104. 66 116. 33 114.30 92. 90	115, 17 113, 12	100, 96 112, 14 110, 71 87, 93		109.89 110.76	109. 10 109. 28	109. 46 108. 17	110. 12 107. 69	107. 50	105. 94 102. 76	99.79	94. 28 103. 71 100. 76 83. 90	103. 13 101. 36
Utilities (40 Stocks) do Transportation (20 Stocks) 1970=10. Railroads (10 Stocks) 1941-43=10. Financial (40 Stocks) 1970=10. New York Citybanks (6Stocks) 1941-43=10. Banks outside N.Y.C. (10 Stocks) do. Property-Casualty Insurance (6 Stocks).do.	37. 48 51. 48 80. 52	-			50. 24 12. 30 53. 49 107. 79 115. 06		107.00	14. 38 52. 83 11. 41 47. 94 97. 47	54. 14 11. 59 47. 63 96. 14 117. 06	14. 82 53. 06 11. 74 47. 61 95. 30 121. 39	53. 12 12. 11 50. 04 98. 88 121. 13	13. 74 49. 19 11. 95 48. 39 99. 68 114. 79	13. 45 48. 11 11. 61 45. 84	46. 23 11. 09 42. 36 94. 40 106. 53	11. 25 42. 57 94. 92 109. 22	13. 34 46. 46 11. 15 41. 63 93. 73 108. 45

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

of 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.

The late 1975 edition of BUSINESS STATISTICS Annual Nov. Dec. Jan. Peb. Mar. Apr. May June July Aug. Sept.	otherwise stated in footnotes below, data igh 1974 and descriptive notes are as shown	1975	1976	197			—		 i		197	7		 1		1	
SECURITY MARKETS		Ann	iual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Stocks-Continued				F	INAN	CE—	Conti	nued					*				
retas—Curitand New York Stock Exchange common stock Indexes: Composite. 1,125/18/55-90. 45, 73 5, 85 5	SECURITY MARKETS—Continued																
New York Stock Exchanges 1.5	Stocks-Continued													ł			
Compacting 1,124(196=0) 4,73 5,4 6,5 17 5,3 4 5,5 23 5,4 5,5 23 1,5 24 5,5 24 5,5 24 1	-Continued York Stock Exchange common stock indexes																
Utility do. 31.50 36.77 38.85 40.71 41.33 40.95 40.18 40.22 41.14 41.50 40.95 50.88 sheet: Outside: control in epistered techanges (SEC): 10.18 5.19 5.59 41.50 5.98 5.50 5.50 5.50 5.88 50.85 5.50 5.60 50.88 50.88 50.80 50.88 50.80 50.80 50.80 50.80 50.88 50.80	mposite12/31/65=50 [ndustrialdo	45. 73 50. 52	60.44	59.45	61.54	61. 26	59.65	59.56	58.47	58.13	58.44	58.90	57.30	56.41	51.37 54.99	51.87 55.62	51.8 55.5
Track on all registered exchanges (SEC): Market value. Market value. Millens. 6, 221 7, 506 10, 406 10, 507 10, 10, 406 10, 507 10, 10, 406 10, 507 10, 10, 406 10, 507 10, 10, 406 10, 507 10, 10, 406 10, 507 10, 10, 406 10, 507 10, 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10, 406 10, 507 10	Utilitydo	31.50	36.97	38.85	40.61	41. 13	40.86	40.18	40. 24	41.14	41, 59	42.44	41.50	40.93	38, 33 40, 38 53, 24	39.30 40.33 54.04	39.7 40.3 53.8
Market value mills 17, 200 19, 400 12, 682 18, 769 17, 686 18, 700 16, 685 16, 685 18, 760 17, 686 18, 700 1		1	02.01	00.20	01.10	01.00	00.00	01.01	02.00	01.00	00.20	01.20	00.02	00.00	00.21	02.02	00.0
On New York Stock Exchange: Market voltage and of setting)	Market valuemil. \$	157, 260	1 194,969	12, 983 504	18,759 685			15,890		15,949	15, 619 617	16,635	15, 754	13, 673	13, 168		
New York Stock Exchange: A second of period: millions. 4, 693 5, 590 881 655 802 88 435 408 429 434 400 433 834 1000 1000 1000 1000 1000 1000 1000 10	New York Stock Exchange: Market valuemil. \$		164,545	11,089	15, 692	14,526	13, 3 09	13, 223	12,884	13, 370	13, 244	13,779	13, 411	11, 378	11, 343		
(sales effected)	York Stock Exchange:		5, 649	413	541	509	457	453	429	454	504	483	507	404	423		
Number of shares listed. Solid State S	(sales effected) millions	4,693	5, 360	381	535	502	398	435	403	426	484	450	433	384	414	495	48
FOREIGN TRADE OF THE UNITED STATES	ket value, all listed sharesbil. \$	_ 685.11													766.20	793. 99	796. 6
VALUE OF EXPORTS xports (máse.), incl. respects, totalo*, mil. s. 107,591.6 114,992.4 0,691.9 10,784.9 8,992.7 0,498.7 11,052.3 10,546.0 10,866.4 10,254.9 0,598.5 8,881.9 10,361.7 1 Excl. Dept. of Defense shipmentsdo 107,130.4 114,802.3 0,598.7 10,307.0 8,875.9 0,403.7 11,045.2 10,394.6 10,122.3 10,149.8 0,550.3 8,870.0 10,388.1 5 Py secaraphic regions:do 4,948.0 5,209.0 447.0 10,588.9 1,507.8 10,071.0 0,570.2 10,394.6 10,122.3 10,149.8 9,552.7 10,915.9 1 Py secaraphic regions:do 2,232.2 9,733.2 2,400.2 2,710.2 4,595.5 2,230.0 2,483.6 5,533.7 488.9 486.7 12,000.4 12,000.0 10,0	iber of shares listedmillions			<u> </u>	·		l	l	l 	[25, 668	25, 733	25,875	25,913	26,000	26, 0
Part Company Part Company Part Company Part Company Part Company Part Company Part Par		FC	REIG	N TR	ADE	OF 1	THE U	UNIT	ED S'	TATE	:S	1					
Exto Dept. of Defense shipments							_										
Seasonally adjusted do.		1	i	i	l.	1)	1		1	1		I	1	1		
Africa. do 4,948.9 5,205.9 417.0 510.3 371.2 413.0 525.9 483.6 522.7 488.9 486.7 413.4 \$41.6 Asia. Asi	Seasonally adjusteddodo	107,130.4	114,802.3	9,593.6	10,870.8	8, 975. 9 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, 915. 9	9, 190. 0	9, 304. 1	
Australia and Oceania	fricado_		5, 205. 9	417. 0											378.6		
Northern North America. do. 21,752,4 24,113.5 2,070.3 2,083.8 1,591.4 2,012.8 2,500.4 2,260.7 2,438.5 2,322.8 1,817.8 1,768.3 2,145.2 2 Southern North America. do. 8,882.1 8,867.7 662.4 778.2 562.5 544.8 730.5 687.1 674.5 708.2 794.8 737.3 809.2 South America. do. 1,382.6 8,600.5 742.7 906.3 619.4 650.8 717.9 772.0 748.4 755.3 817.6 813.0 1,021.1 By leading countries: Affect Expt. do. 682.7 810.0 55.9 64.9 60.2 76.8 121.3 104.9 102.3 73.9 101.6 65.5 78.4 82.1 82.1 82.1 82.1 82.1 82.1 82.1 82.1	ustralia and Oceania	2,339.5	2,689.9	2 3 5. 3	267.1	195.5	238.8	245. 2	241.2	222, 3	215.0	244.8	249.6	278.2	227.5		1
Southern North America.		21,752.4	24, 113. 5		2,053.8	-,	2,012.8	2, 500. 4	2, 260. 7	2, 438. 5	2, 322. 8	1,817.8	1,768.3	2, 145, 2	2, 381. 3		
Africa:	outhern North Americado	8,288.1					584. 8 650. 8		687. 1 772. 0						767. 2 672. 1		
Egypt. do. 682.7 \$810.0 55.9 64.9 60.2 76.8 \$121.3 104.9 102.3 73.9 101.6 65.5 78.4 78.8 78.9 77.8 78.8 78.9 78.8 78.9	frica:																
Australia, including New Guinea. do	Egypt doRepublic of South Africado	682.7 1,302.4				60. 2 88. 7	76. 8 128. 9						82. 8		43. 2 77. 3		
India	Australia, including New Guineado	1,835.0	2, 199. 2	195. 5	224. 1	161.1			201.1	180.6		202. 3			196. 2		
Indonesia	Indiado Pakistando	1,289.7 372.0	394.3	25. 1	28.7	57. 1 23. 5	14.1	31.9	35.7	48.3	21.4	38.1	16.5	14.8	62. 3 21. 2 79. 7		
Philippines	•		i				1	1				65.9		1	67. 6		1
Frênce	Philippinesdo	831. 5	818.6	61.7	54. 5	58.2		71.0	61.7	69.8	83.3	69. 2			54. 8 752. 2		
German Democratic Republic (formerly E. Germany)		3 021 0	3 448 0	285.0	295.0	271.8	317.7	333. 3	210 6	311.8	287.5	247. 2	245. 6	321.4	247. 9		
Germany mil. \$ 5, 194.1 5, 729.8 576.1 606.2 471.4 484.6 543.2 539.8 550.1 523.8 448.9 428.5 501.9	German Democratic Republic (formerly F Germany)mil. 8	17.3		1	1	i		1		1	i	1	1	1	3.1		
Union of Soviet Socialist Republics			5,729.8	576. 1	606. 2	471.4	484.6	543. 2	539.8	550.1	523. 8	448.9	428. 5	501.9	440.8		
North and South America: Canada	Union of Soviet Socialist Republicsdo	1,834.6	2,308.2	174.2	172. 4	179.6	196.0	223.6	239.8	104.9	107.5	91.4	48.4	88.8	175. 9 39. 2		
Canada do 21,743.9 24, 108.9 2,070.0 2,063.7 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 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.1 2,342.5 2,448.5 2,4		4,527.4	4,798.5	381.6	454.0	411.3	446.5	485.9	460.9	456.3	568. 9	405.7	382. 4	440.0	387. 6		
Argentina do 628.3 543.7 51.7 102.5 46.5 38.1 55.2 57.2 52.5 78.9 65.2 65.6 59.5 Brazil do 3,056.2 2,809.1 211.9 221.1 177.1 195.1 182.4 233.9 210.9 174.8 225.1 218.8 317.8 Chile do 533.4 507.7 42.6 58.7 46.1 30.1 48.6 35.8 46.2 34.3 40.0 50.7 45.1 Colombia do 643.0 702.7 56.6 85.5 43.1 46.8 76.4 61.5 67.7 63.4 60.8 64.6 85.2 Mexico do 5,141.3 4,989.5 358.1 436.6 294.1 312.1 408.9 361.3 373.0 371.8 477.6 408.6 418.2 Venezuela do 2,243.3 2,627.8 265.7 278.1 205.0 223.6 240.8 250.6 247.6 272.1 288.3 259.6 354.4 Exports of U.S. merchandise, total 7 do 106.102.1 113,318.5 9,539.4 10,596.3 8,834.3 9,275.7 10,857 2 10,348.1 10,674.0 10,040.1 9,347.6 8,708.6 10,148.0 Excluding military grant-aid do 105.641.0 113,128.4 9,534.2 10,592.3 8,817.6 9,270.7 10,849.3 10,342.6 10,669.0 10,037.1 9,344.4 8,705.7 10,144.4	Canadado.		1	1	1	1	t	i		}	1	1	1	1	1	1	1
Chile	Argentinado	628.3	543.7	51.7	102, 5	46.5	38.1	55.2	57.2	52, 5	78. 9	65. 2	65.6	59.5	65.9		.
Mexico. do. 5,141.3 4,989.5 358.1 436.6 294.1 312.1 408.9 361.3 373.0 371.8 477.6 408.6 418.2 Venezuela. do. 2,243.3 2,627.8 265.7 278.1 205.0 223.6 240.8 250.6 247.6 272.1 288.3 259.6 354.4 Exports of U.S. merchandise, total control of the cont	Chiledo_	533, 4	507.7	42.6	58.7	46.1	30.1 46.8	48. 6 76. 4	35, 8 61, 5	46.2	34. 3 63. 4	40.0 60.8	50.7	45.1 85.2	52.6 72.9		
Excluding military grant-aid. do 105.641.0 113.128.4 9.534.2 10.592.3 8,817.6 9,270.7 10,849.3 10,342.6 10,669.0 10,037.1 9,344.4 8,705.7 10,144.4	Mexicodo	5,141.3	4,989.5	358.1	436.6	294.1				373. 0 247. 6	371. 8 272. 1	477.6 288.3	408.6 259.6	418. 2 354. 4	454. 8 228. 6		
Agricultural products, total. do. 21,885.7 22,996.3 2,120.9 2,081.4 1,906.8 2,045.9 2,293.1 2,208.9 2,199.4 1,882.1 1,748.9 1,541.6 1,733.8 Nonagricultural products, total. do. 84,216.5 90,326.8 7,414.0 8,528.6 6,927.5 7,229.9 8,564.1 8,139.3 8,474.7 8,158.0 7,598.8 7,167.0 8,414.2	ts of U.S. merchandise, total do	1105 641 (1 112 128 4	0 534 2	10 592 3	8 817.6	19,270,7	10, 849, 3	2 10,348.1 3 10 342.6	10,674.0 10,669.0	10,040.1	9, 347. 6 9, 344. 4	8, 708. 6 8, 705. 7	10, 148. 0 10, 144.	0 9, 119. 1 4 9, 116. 5		
	icultural products, total do- lagricultural products, total do-	21,885.7							12 208 9	2 199.4	1, 882, 1	1, 748, 9	1, 541, 6	1, 733, 8	1, 705, 1		-1
By commodity groups and principal commodi-	commodity groups and principal commod	i				1											
ties: Food and live animals 9 mil. \$ 15,484. 3 15,710. 1 1,299. 2 1,220. 8 1,077. 0 1,114. 1 1,287. 7 1,232. 6 1,232. 2 1,145. 9 1,161. 9 1,138. 4 1,244. 3 Meats and preparations (incl. poultry).do 527. 7 798. 0 63. 5 69. 0 54. 4 60. 7 65. 4 64. 9 69. 2 62. 6 67. 0 67. 5 75. 3	ood and live animals Qmil.	15, 484. 3 527. 7	15,710.1 798.0	1, 299. 2 63. 5	1, 220. 8 69. 0	1,077.0 54.4	00.7	05.4	64.9	69.2	62.6	67.0	67.5	75.3	65.1		
Grains and cereal preparations 11,641.7 10,910.9 852.7 770.8 679.4 741.6 801.9 780.1 755.7 718.3 725.1 684.0 7777.7	Grains and cereal preparationsdo.	11,641.7	10, 910. 9	852.7	770.8	679.4	741.6	801.9	780. 1	755, 7	718.3	725.1	684.0	777.7	+	1	-
Crude materials inedible eye fuels 2 do 9 783 6 10 890 7 1, 118, 2 1, 101, 9 1, 040, 8 1, 188, 2 1, 241, 8 1, 308, 2 1, 310, 8 1, 051, 0 908, 7 686, 2 798, 9	_	1	1	1	ŀ		1	}					i i	798.9	1,017.0	1, 112. 1	
Cutton materials, inclinite, exc. ruleis 4 do 9, 183.5 10,887 93.9 130.4 126.2 181.5 189.3 189.4 143.0 167.5 98.4 61.6 67.0 Soybeans, exc. canned or prepared do 2, 865.2 3, 315.4 448.7 386.3 369.2 433.9 455.1 518.4 528.1 294.8 223.3 133.4 113.6 Metal ores, concentrates, and scrap do 1, 355.2 1, 284.5 100.7 104.5 93.5 73.8 94.6 101.4 110.6 140.6 145.0 125.0 89.5 104.5	Cotton, raw, excl. linters and wastedo_			93.9	130.4	126.2	181.5	189.3	189.4	143. 0 528. 1	167. 5 294. 8	98. 4 223. 3	61.6	67.0 113.6	45.9 448.1		-

r Revised. Annual total reflects revisions not distributed to the monthly data. Pata may not equal the sum of the geographic regions, or commodity groups and prin-

cipal commodities, because of revisions to the totals not reflected in the component items. $\mathbf Q$ Includes data not shown separately. • Corrected.

	1															
Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	19	76						19	777		, 			
the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FO	REIG	N TRA	DE (of T	HE U	NITE	D ST	ATE	S—Co	ntinı	ıed					
VALUE OF EXPORTS—Continued									1		1			}		
Exports of U.S. merchandise—Continued By commodity groups and principal commodities—Continued	4, 469, 5	4, 225, 8	379.1	361. 1	217.3	267.8	290.4	397. 3	432. 3	398. 1	397.8	333, 6	401.4	366. 2	362.1	
Mineral fuels, lubricants, etc. Qmil. \$Coal and related productsdoPetroleum and productsdo	3, 343. 0 907. 9	2, 988. 2 997. 9	270. 3 88. 8	234. 0 110. 0	122. 3 80. 7	158.3 97.9	180. 6 101. 0	280. 9 97. 3	284. 3 134. 1	295.5 98.3	258. 8 108. 8	206. 7 109. 2	259. 7 134. 1	259. 0 92. 3		
Animal and vegetable oils, fats, waxesdo	943. 8	978. 1 9, 958. 7	79. 0 829. 3	94.8	77.3 809.3	94. 8 910. 0	134. 5 943. 1	106. 1 903. 3	127. 3 918. 8	122. 5 918. 9	129.3	883. 2	108.3	99.8	114. 9 736. 3	
Chemicalsdodododo		1	904.8	996.4	871.0	926.0		1,003.9	1,002.1	981.6	890.8	862.4	1, 054. 3	779.0	847.8	
Textiles do Iron and steel do Nonferrous base metals do	1,624.5 2,457.0	1,970.0 1,906.2	170.5 147.6 92.0	178. 9 167. 9 95. 7	159. 5 130. 1 87. 3	170.7 140.6 79.9	185. 6 147. 1 95. 0	175. 7 157. 3 103. 8	164. 3 139. 1 100. 4	169. 6 139. 5 93. 4	156. 9 132. 0 87. 0	140. 0 133. 7 80. 2	194. 8 152. 7 97. 2	120.7 113.1 61.4		
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 Qdo Agriculturaldo Metalworkingdo Construction, excav. and miningdo Electricaldo Transport equipment, totaldo	2,092.2 918.2 4,733.8 7,582.0	949. 2	2,530.4 150.2 78.8 374.8 733.2 1,537.3	2, 857. 5 162. 4 86. 7 441. 7 892. 5 1,964.2	2,520.3 152.2 62.2 359.9 759.0 1,304.2	2, 545. 5 165. 4 67. 8 362. 6 764. 7 1, 323. 7	196. 2 67. 0 410. 3 960. 5 1, 810. 2	2,789.1 183.2 66.0 401.3 879.4 1,627.0	2, 826. 8 160. 3 75. 1 401. 5 876. 7 1, 806. 8	2, 753. 7 163. 4 59. 8 374. 2 851. 6 1, 572. 2	2, 627. 7 156. 9 55. 0 362. 2 844. 2 1, 204. 8	2, 432. 5 125. 5 48. 2 305. 4 778. 4 1, 244. 7	2, 860. 0 147. 3 68. 9 404. 6 901. 7 1, 507. 5	2,442.6 125.7 42.3 298.0 819.5 1,794.0	878. 5 1,501.4	
Motor vehicles and partsdo Miscellaneous manufactured articlesdo		10, 949. 1 6, 574. 9	997. 6 544. 5	611.0	868. 7 518. 1	884.1 556.8	1, 182. 8 654. 4	988.5	1, 156, 5 622, 3	1,037.8 648.1	786. 7 607. 0	711. 8 587. 3	1, 048. 9 666. 8	1,119.5 597.1	606. 6	
Commodities not classifieddo	1	'	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: Africado	8, 304. 6	12, 639. 3	1, 110. 3	1, 333. 3	1, 244. 0	1, 197. 7	1, 610. 1	1,722.4	1, 274. 7	1, 583, 7	1, 306. 1	1, 382. 5	1, 466. 8	1,264.3		
Asia do Australia and Oceania do Europe do	27, 054. 6 1, 508. 2 21, 465. 9	39, 366. 1 1, 671. 1 23, 640. 2	3, 714. 5 153. 0 2, 166. 7	3, 578. 3 160. 7 2, 162. 3	105. 3 2, 040. 8	144. 5 1, 903. 2	122.5 2,677.7	128. 3 2, 309. 5	136. 8 2, 356. 5	2, 603. 8	2, 376. 6	2, 631. 8	2, 389. 1	145. 3 2,229.2		
Northern North Americado Southern North Americado South Americado	8,821.6	9,347.5	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			
By leading countries: Africa: Egyptdo Republic of South Africado	27.5 840.9	92. 5 924. 8	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 Japan do	548. 2 48. 8 766. 4 2, 220. 6 754. 2	708. 2 69. 8 939. 6 3, 004. 3 882. 9	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: France	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. Germany mil. \$	11.2		1,5	.9	1.1 523.1	1.3	1.8 577.0	.7	1.8 589.5	1.4	625.5	1.3	627.0	605, 6		
Italy do Union of Soviet Socialist Republics do United Kingdom do	2, 397. 1 254. 4	2, 529. 7 220. 2	541. 7 214. 4 20. 4 356. 5	538. 1 238. 1 16. 6 383. 2	207. 9 12. 8 341. 8	444. 2 209. 5 15. 8 310. 0	310. 7 30. 8 492. 2	572. 6 265. 0 23. 0 434. 9	240. 1 22. 0 422, 3	276. 9 21. 0 507. 0	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: Canadadodo	21, 746. 7	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 \$ \text{do}\$	214. 6 1, 464. 3 137. 7 590. 2 3 058 6	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, total mil. \$ Nonagricultural products, total do		11, 178. 7 109,498.7	990.0	1, 106. 0	1, 124. 6 9, 808. 3	1, 142. 5 9, 362. 6	1, 343. 1 12, 208, 6	1,404,3	1,279.9 10,626.4	1, 251, 7 12, 318, 0	1, 010. 5 10.849.3	1, 019. 9 11,641.6		835. 6 10,978.1		
Food and live animals Q	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	1, 031. 4 31. 7 343. 7 90. 9	1, 008. 1 57. 2 401. 6 88. 7	1,042.3 46.9 385.0 109.5 86.5	1, 214. 1 44. 1 478. 5 114. 3	1, 325. 0 41. 6 519. 0 114. 5	1, 182, 3 70, 0 389, 1 109, 5	ľ	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	805. 1	
Sugardodododo	1 '	1, 154. 0 1, 623. 7	55, 5 137, 9	86. 2 155. 4	45. 4 128. 1	117.8	62. 1 156. 4	87. 9 119. 5	82. 9 142. 7	152.3	112.5	162.5	187. 0	139.7	102.0	ł
Crude materials, inedible, exc. fuels 9 do Metal ores do Paper base stocks do Textile fibers do Rubber do	5, 566. 2 1, 976. 7 1, 067. 5 174. 4	7, 013. 8 2, 250. 8 1, 275. 5 249. 3	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		
Minerals fuels, lubricants, etcdo Petroleum and productsdo	26, 475, 6		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, 065, 0	3, 208, 9 2, 992, 1	4,008.9	3, 531. 4 3, 331. 2	3, 761. 9	3, 809. 6 3, 538. 6	3, 396. 5 3,172.3	3,571.2	
Animal and vegetable oils and fatsdo	553.9	463. 9	62, 2	50.0	53. 2 402. 1	52.9 407.1	45. 0 517. 1	36.6	42. 1 481. 0	69. 7 505. 5	42. 0 414. 3	53. 3	41. 7 474. 8	29. 2 406. 8	36. 2 331. 1	
Chemicals	14,702.5 4,594.5 1.427.3	17,615.5 4,346.6	473. 9 1, 606. 8 455. 8 166. 8	453. 6 1, 629. 0 437. 8 157. 2	1, 498. 0 374. 9 134. 0	1,397.0 318.5 144.7	1, 773. 9 366. 6 171. 0		1,856.0 528.9 147.4	1, 999. 9 568. 9 174. 0	1, 761. 9 488. 2 139. 4	1, 954. 8 528. 2 160. 3	1, 932. 5 593. 5 149. 1	1, 765. 2 511. 9 156. 9	1,768.9	
Nonferrous metals do Textiles do	_ 2,580.7	3,500.8	258. 7 145. 3	324. 3	272.4	250. 4 133. 2	349.8	358.3	339. 1	365. 1 156. 3	334. 7	371.7	307. 9	300. 2		

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

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	1975 1976		1976		1977											
	Ann	<u> </u>	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FO	REIG	N TRA	DE	OF TI	HE U	NITE	D ST	ATES	S—Co	ntinu	ed		1 .			
VALUE OF IMPORTS—Continued]													
General imports—Continued By commodity groups and principal commodities—Continued																
Machinery and transport equipment mil. \$ Machinery, total φ do do	23,457.2 11,727.4	29, 823. 9 15, 183. 7	2, 723. 7 1, 429. 3	2, 795. 4 1, 452. 5	2, 569. 3 1, 311. 6	2, 504. 5 1, 229. 7	3, 151. 4 1, 527. 3	2, 864. 5 1, 363. 8	2, 951. 0 1, 477. 8	3, 294, 6 1, 623, 5	2, 881, 7 1, 490, 3		2, 874. 9 1, 531. 2	1, 505. 9	3, 044. 7	
Metalworking do Electrical do	361.5	361. 8 7, 424. 2	29. 6 746. 8	33. 5 676. 3	34. 4 609. 1	30. 5 563. 7	35. 8 712. 5	32. 2 624. 5	40.7 687.8	37. 1 781. 7	32. 6 733. 8	39.8 741.4	39. 7 766. 6	32.9 761.3		
Transport equipmentdo Automobiles and partsdo		14, 640. 2 13, 103. 9	1, 294. 3 1, 173. 8		1, 257. 7 1, 132. 0				1, 473. 2 1, 325. 5	1,671.1 1,474.2	1, 391. 4 1, 234. 5	1, 317. 9 1, 118. 3		1, 563. 5 1, 387. 9		
Miscellaneous manufactured articlesdo		12, 563. 9	1, 231. 3	· ·	1, 045. 9				1	1, 328. 5		1	1	1		
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			1													
Exports (U.S. mdse., excl. military grant-aid): Unit value 1967=100	195. 1	202. 1	207.3	209.1	209.0	208.1	211.3	212.2	213. 4	212.6	211.3	211.0	212, 2	210.6	213.0	
Quantitydo Valuedodo Jeneral imports:	176. 7 344. 9	182. 7 369. 1	180. 0 373. 1	198.6 415.3	165. 2 345. 3	174. 4 363. 0	201.1 424.8	190.9 405.0	195.7 417.8	184. 9 393. 0	173. 2 365. 9	161.5 340.9	187. 2 397. 2	169. 5 357. 0	174. 2 371. 0	
Unit value do Quantity do	241. 2 149. 4	248. 8 182. 1	253. 7 196. 3	255. 4 201. 8	259. 2 189. 7	260. 3 181. 5	267. 3 228. 0	265. 5 210. 4	272, 6 196, 7	268.7 227.3	270. 4 197. 0	273. 3 207. 6	273. 4 204. 7	272. 6 194. 7	275. 5 192. 5	
Valuedo	360. 5	452.9	498.0	515. 4	491.7	472.4	609. 5	558.6	536, 1	610.9	532.7	567. 4	559.5	530.8	530. 3	
Shipping Weight and Value Vaterborne trade:																
Exports (incl. reexports): Shipping weightthous. sh. tons	269, 182	283, 070	25, 608	24, 036	18, 358	20, 251	21, 946	24,776	24, 928	24, 062 5, 617	24, 085	21, 624				
Value mil. \$ General imports: Shipping weight thous. sh. tons.	01,408	64, 712 517, 450	5,605	6, 023	4, 982 48, 422	5, 342 42, 517	5, 951 58, 314	5, 976 50, 723	6, 055 45, 746	56,066	5, 4 90 4 9, 4 34	4, 880 54, 324				١.
Value mil. \$		81, 171	7, 409	7,770	7,813	7, 128	9, 447	8, 600	8, 175	9, 495	8, 488	9, 281				
	Tl	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), total \$ mil	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 55. 3	p 53.9	
Ton-miles (revenue), totalmil Operating revenues (quarterly) $\circ \circ$ mil. \$mil. \$mil. \$	22, 186 15, 356	24, 121 27, 506	1,832	2,066 24,428	1,952	1,747	2,098 4.437	2,057	2,060	2, 240 • 4, 896	2,425		2, 128	P 2,255	p 2, 116	
Passenger revenues do Cargo revenues do	12, 3 54 1, 3 10	214, 267 21, 497		⊅3,542 ⊅405			3,638 375			p 4, 026 p 407						
Mail revenuesdodododododododododododo	311 15, 228	p328		₽104 ₽4, 304			79 4,446 -37			P 4, 651						
Net income after taxes (quarterly)do Domestic operations:	-72	⊅415		⊅62			-3/			₽ 216						
Passenger-miles (revenue) bil. Cargo ton-miles mil.	131.73 2,747	145. 27 2, 909	10.74 238	12.56 245	12. 23 211	10.72 213	12.83 265	12.59 250	12.31 259	13. 69 272	15.00 263	15. 62 278	12. 3 4 2 6 9	p 13.02 p 292	p 281	ap12.
Mail ton-milesdo Operating revenues (quarterly)⊙mil. \$	12,020	719 P13, 901	64	»3, 568	57	56	3,590	63	58	61 p 3, 885	57	60	60	» 62	p 65	
Operating expenses (quarterly)do Net income after taxes (quarterly)do	11,902 -46	₽13, 326 ₽331		₽3, 455 ₽51			3,580 -25			₽ 3, 695 ₽ 159						
International operations: Passenger-mile (revenue)bil	31.08	33, 72	2, 25	2, 63	2.87	222	263	280	303	332	384	386	327	» 313	p 260	
Cargo ton-miles mil. Mail ton-miles do	2,048 426	2, 187 407	194 36	172 47	146	153 30	185 35	171 34	173 35	172 35	186 34	194	206	₽ 254		
Operating revenues (quarterly)mil. \$dododo	3, 336	P3, 605 P3, 457		₽861 ₽849			847 865			p 1, 011 p 956			_			.
Net income after taxes (quarterly)do	3,326 -25	P120		p11			-11			₹ 56			-			
Urban Transit Systems	5 040		- 400	100		105	577	100		.=-				400		
Passengers carried (revenue)mil Motor Carriers	5, 643	5, 690	7 463	492	474	465	577	463	467	471	426	442	463	489	479	
Carriers of property, large, class I, qtrly.:* Number of reporting carriers	99	99		99			100			100						
Operating revenues, total mil. \$. Net income, after extraordinary and prior period	9,703	2 11,362		3,040			3,030			3, 395		-			-	
charges and credits mil. \$ Tonnage hauled (revenue), common and contract		341		90		·	54		·	123		-	-	-	-	-
carrier service mil. tons. Freight carried—volume indexes, class I and II	177	199		53			51			57		-	-	-	-	-
intercity truck tonnage (ATA): Common and contract carriers of property (qtrly.) c ¹ average same period, 1967=100.	121	137	1	127			147									
Common carriers of general freight, seas. adj.† 1967=100.	131.7	152.3	154.0	154.8	159. 5	165. 6	Í		166.6	165. 8	168. 1	167. 5	165. 6	166. 8	163. 6	
Class I Railroads∆													1			
Financial operations, qtrly, (AAR), excl. Amtrak: Operating revenues, total $\oplus \circ$ mil. \$-	_ 16, 357	18, 560		4,742			4, 738			5, 269			5, 002 4, 693			-
Freight. do Passenger, excl. Amtrak do	297	17, 422 330		4, 448 83			4, 459			4,972			- 84		-	
Operating expenses⊕ do Tax accruals and rents do	2,799	14, 948 3, 182		3,864			3,902 825	. (4,148 893 228						
Net railway operating income do Net income (after taxes) \oplus do	351	1 273		102		-	1 -29		-	1 228		-				į.

* Revised. * Preliminary. ¹ Before extraordinary and prior period items. ² Annual total; quarterly revisions not available.

§ Includes data not shown separately. ¶ Applies to passengers, baggage, cargo, and mail carried. § Passenger-miles as a percent of available seat-miles in revenue service reflects proportion of seating capacity actually sold and utilized. © Total revenues, expenses, and income for all groups of carriers also reflect nonscheduled service. *New Series. Source: ICC (no comparable data prior to 1972).

§ Indexes are comparable for the identical quarter of each year (and from year to year).

ΔEffective 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). ⊕ 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.

1975 Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS 1976 1977 Dec. Jan Feb June July Sept. Oct. Dec. Annual Nov. Mar Apr. May Aug. Nov. TRANSPORTATION AND COMMUNICATION—Continued TRANSPORTATION—Continued Class I Railroads△—Continued 778. 4 7 754. 3 2. 043 169. 4 9, 765 202, 1 224. 9 216. 0 r 205. 3 198. 1 186. 6 191.1 191.6 198.0 198. 2 198, 2 198.5 207.8 198.0 198.3 198. 2 198.4 198, 4 198. 5 198. 6 Travel Hotels and motor-hotels:
Restaurant sales index...same month 1967=100.
Hotels: Average room sale¶...dollars.
Rooms occupied...% of total.
Motor-hotels: Average room sale¶...dollars.
Rooms occupied...% of total.
Foreign travel:
U.S. citizens: Arrivals⊙...thous.
Departures⊙...do.
Aliens: Arrivals⊙...do.
Departures⊙...do.
Passports issued...do.
National parks, visits§...do. 118 28. 76 60 20. 98 64 127 31. 32 63 22. 48 67 122 32, 54 63 22, 07 60128 31, 46 46 21, 88 50 114 34. 45 57 23. 15 61 122 33. 71 63 23. 27 65 145 33. 92 67 23. 66 71 128 34. 69 64 24. 06 70 147 34. 89 71 25. 07 77 157 34. 06 64 25. 81 78 138 34. 98 69 26. 10 81 155 36, 68 76 25, 72 76 144 35, 72 70 24, 29 72 138 35. 20 67 138 35. 70 67 -----25. 07 71 24. 96 66 7,700 7,755 6,264 5,382 2,817 60,521 710 853 572 462 371 8, 252 719 746 614 500 206 **6, 3**55 1,002 1 8, 050 535 511 760 468 588 552 618 643 919 549 354 304 222 1,971 8, 177 6, 176 5, 326 2, 334 60, 527 496 408 374 172 2,608 578 452 405 183 1,849 625 472 347 330 2,417 646 480 399 357 3,691 733 488 419 354 4,567 926 729 548 288 12, 107 769 661 271 11, 159 628 528 471 158 5,086 493 399 207 1,698 -----COMMUNICATION Telephone carriers: 3, 508 1, 608 1, 398 2, 232 637 143, 6 32,070 15,256 12,692 36, 602 16, 621 14, 618 23, 321 6, 679 138. 5 3, 151 1, 474 1, 242 2, 031 576 138. 1 3, 174 1, 438 1, 259 2, 173 497 138. 5 3, 222 1, 488 1, 295 2, 033 587 138, 9 3, 159 1, 488 1, 216 1, 985 578 139, 5 3, 364 1, 520 1, 391 2, 163 585 139, 9 3, 360 1, 531 1, 288 2, 224 399 140, 3 3, 364 1, 545 1, 351 2, 142 607 140, 1 3, 397 1, 548 1, 368 2, 163 624 141. 0 3, 290 1, 547 1, 323 1, 959 827 141, 5 3, 488 1, 557 1, 450 2, 243 631 142. 1 3, 467 1, 586 1, 376 2, 291 591 143. 0 -----------20,664 . - - - - - ------504. 8 403. 9 70. 7 44. 1 34. 5 7. 1 43. 3 33. 7 7. 1 47. 9 37. 6 7. 6 46.6 35.8 8.2 48. 4 37. 4 8. 4 45. 2 36. 2 6. 6 $\begin{array}{c} 47.4 \\ 38.1 \\ 6.7 \end{array}$ 46. 8 37. 9 6. 3 46.7 37.3 6.8 527. 423. 0 75. 4 34. 6 9. 0 34. 4 6. 2 36.7 6.0 315. 9 223. 6 74. 6 29. 8 21. 0 6. 8 29. 8 21. 0 7. 1 ----**--**CHEMICALS AND ALLIED PRODUCTS CHEMICALS Inorganic Chemicals Production: | roduction: | Aluminum sulfate, commercial (17° / Al₂O₁)† | Aluminum sulfate, commercial (17° / Al₂O₁)† | thous. sh. tons. | Chlorine gas (100% Cl₂)† | do. | Hydrochloric acid (100° / HCl)† | do. | Phosphorus, elemental† | do. | Sodium carbonate (soda ash), synthetic (58° / Na₂O)† | thous. sh. tons. | Sodium hydroxide (100° / NaOH)† | do. | Sodium sulfate, anhydrous† | do. | Sodium sulfate, anhydrous† | do. | Sodium trypolyphosphate (100° / Na₂P₃O₁₀)† | do. | | 112 877 243 32 7 94 872 216 34 1, 163 9, 167 2, 009 450 1, 230 10, 378 2, 496 437 104 880 204 34 78 792 179 33 82 794 183 33 93 883 203 39 104 901 214 38 97 866 204 41 98 917 2**3**2 **3**8 98 820 220 **3**4 889 207 41 ----------131 791 63 4 103 138 797 58 107 159 896 65 101 168 882 148 895 63 104 2.802 161 189 165 160 9, 635 724 1, 227 886 66 118 848 65 90 10, 516 747 860 79 95 61 117 61 94 1, 232 ¢ 114 € 101 Titanium dioxide (composite and pure) † ...do...
Sulfur, native (Frasch) and recovered:
Production..........thous. lg. tons...
Stocks (producers') end of period....do... 58 r **6**2 61 52 50 47 58 48 68 60 60 61 62 61 54 57 61 63 63 53 -----770 5, 401 740 5, 631 711 5, 613 774 5, 616 826 5, 578 826 5, 584 787 5,552r 768 r 5, 446 ----110,180 5,126 728 5, 598 768 5, 563 784 5, 607 801 5, 562 9,402 5,563 Inorganic Fertilizer Materials Production:
Ammonia, synthetic anhydrous;
Ammonium nitrate, original solution;
Ammonium sulfate;
do.
Ammonium sulfate;
do.
Nitric acid (100°, HNO3);
do.
Nitric acid (100°, HNO3);
do.
Phosphoric acid (100°, HSO4);
do.
Sulfuric acid (100°, HSO4);
do.
Sulfuric acid (100°, HSO4);
Production
Superphosphate and other phosphatic fertilizers (100°, P304);
Production
Stocks, end of period.
Dotash, deliveries (K3O)
Exports, total Q
Nitrogenous materials
do.
Phosphate materials
do.
Potash materials
do.
Potash materials
do.
Potash materials
do.
Potash materials
do.
Ammonium nitrate 1,149 557 136 579 183 654 2,634 16, 716 7, 186 2, 010 7, 892 2, 068 7, 955 33, 501 1,510 587 151 640 212 16, 419 7, 088 2, 106 7, 527 2, 068 7, 677 32, 360 1, 335 639 134 678 183 724 2, 905 1, 528 646 186 691 177 736 3, 030 1, 104 550 157 567 156 631 2, 631 1, 543 716 173 710 244 771 1,617 704 163 708 1,571 723 178 722 298 760 1, 491 614 178 649 1, 552 585 195 670 222 1,476 7 636 1,440 607 1,499 607 --**---**------125 660 229 719 150 680 661 702 2, 837 3,000 3, 062 3,007 3,079 2, 928 2, 684 2,892 2, 765 493 388 431 1,757 60 604 552 363 2, 101 595 244 947 1,764 5, 573 569 5, 079 $\frac{571}{261}$ 5, 824 469 434 1,981 126 1,308 171 471 497 2, 311 343 528 1,719 407 756 2,043 469 6, 282 $\frac{396}{527}$ 408 1,984 174 p 316 803 1,873 19, 614 1, 397 13, 789 1, 419 18, 324 1, 239 12, 351 1, 670 1,909 105 ------1.588 1,810 108 1,467 173 $\frac{69}{1,275}$ 151 1,666 124 1,561 1, 309 131 1,070 144 1, 259 147 1, 364 122 1, 480 72 1,420 179 1, 332 155 113 16 13 571 11 29 48 501 16 37 42 913 19 76 54 940 22 46 34 723 23 19 10 757 0 24 23 641 15 28 632 13 13 10 852 19 -----19 505 18 566 7,475 103 6, 132 139

^{*} Revised. * Preliminary. ¹Annual total; monthly revisions are not available. ² For six months ending in month shown. ³ For month shown. ⁴Restated 4th qtr. 1975. ΔSee "Δ" note, p. S-24. ¶Average 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 Ian. 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. Includes data for Western Union Int. Cable & Wireless.

\$\frac{1}{2}\$Monthly revisions back to 1971 are available upon request.

	1075	1070	10													
Inless 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					1
We will office of Double of Blattolion	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
	CHEM	IICAL	S AN	D AI	LIED	PRO	DUC	TS	Conti	nued						
CHEMICALS—Continued																
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	6, 876	6, 265	160 6, 348	7, 329	185 7, 031	186 7, 169	7, 404	204 7, 244	7, 374	6, 831	7, 308		
Nitrogen (high and low purity) do Oxygen (high and low purity) do 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:													1			
Acetylsalicylic acid (aspirin) mil. lb. Creosote oil mil. gal	1 25. 4 1 79. 2	1 28.3 1 77.1	2.5 11.9	2.7 11.4	2. 2 8. 9 10. 3	2. 3 19. 2	2. 5 14. 3	2.5 11.2	3. 2	2. 7 15. 2	2.1 11.2	2.4	1.7	1.2	1.8	
Ethyl acetate (85%) mil. lb. Formaldehyde (37% HCHO) do Glycerin, refined, all grades do	1 171. 2 14,558.1 264. 4	1 215.6 15,449.3 321. 2	12. 2 460. 0 28. 2	14.7 464.5 25.4	352. 8 25.5	11. 9 338. 1 22. 8	12.0 405.5 25.1	15.8 530.6 20.2	10.1 504.5 19.2	11.5 497.0 24.3	14. 2 465. 2 20. 2	11. 2 491. 6 27. 4	7.8 512.6 26.6	14. 4 546. 7 25. 6	14. 4 542. 6 24. 6	
Methanol, synthetic. mil. gal. Phthalic anhydride mil. lb.		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 83. 6	90.5 72.9	70.3 72.1	82.8 73.7	83. 3 68. 1	
ALCOHOL;										1						1
thyl alcohol and spirits: Productionmil. tax gal Used for denaturationdo	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 withdrawals do Stocks, end of period do	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	5. 7 79. 0	7.5 81.4	7. 0 69. 8			-1
enatured alcohol: Productionmil. wine gal	207.3	225. 1	18.7	16.7	17.6	18.9	20.7	19.1	18.0	22.4	14. 9	19.8	18.7			
Consumption (withdrawals) do do Stocks, end of period do do do do do do do do do do do do d	207. 1	225. 4 3. 2	18.3 3.4	16. 9 3. 2	18.5 2.5	18. 4 3. 0	20.7 2.9	19.3 2.7	17.5 3.0	22.8 3.5	14.7 2.8	20.1	18. 6 2. 7			-
PLASTICS AND RESIN MATERIALS																
roduction: Phenolic resins	11,274.9	11,305.3	128. 3	120.6	125.3	129. 1	143.0	142.1	138. 5	141.1	125.4	138. 4	146. 3	151.1	144. 1	
Polyethylene and copolymers do Polypropylene do do do do do do do do do do do do do	11,903.4		743. 7 196. 6	773.3 168.5	729.6	654. 4 243. 6	851. 3 229. 9	833. 7 236. 2	853. 1 229. 1	838.3 227.9	882.7 202.3	874. 7 197. 8	841. 5 218. 9	891. 0 239. 1 441. 7	834.1 224.3 468.9	
Polystyrene and copolymers do Polyvinyl chloride and copolymers do	13,877.3		390. 3 403. 2	389.9 355.2	329. 9 337. 9	358. 9 376. 2	472. 9 443. 0	461.9 451.4	449. 7 450. 0	458. 7 462. 7	406. 5 441. 1	423. 9 439. 2	423.1 417.8	451.9	417.4	
MISCELLANEOUS PRODUCTS																
explosives (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 shipments	4,026.6 2,079.0	4, 685. 9 2, 446. 4	342.9 165.7	280. 0 122. 6	285. 9 127. 2	311.9 141.1	393. 1 200. 8	377. 8 197. 9	429. 7 231. 6	445.5 237.7	393. 3 216, 6	445. 1 239. 6		366, 3 171, 3		-
Industrial finishesdo	1,947.6	2, 239. 6	177. 2	122. 6 157. 5	158.7	170.8	192. 3	179. 9	198. 2	207.9	176. 7	205.4	r 203.7	195.0		-
]	ELEC	TRIC	POW	ER A	AND	GAS								
ELECTRIC POWER	1	1	ļ]						1					1
roduction (utility and industrial), total mil. kwhr.	22 001 000		1			!										
Floatria utilities total do	p1 016 000	72 036 48	7 168 004	183, 080	196, 308	162, 840	168, 641	156, 885	168, 163	180, 236	197, 930	195,861				
By fuelsdo By waterpowerdo	1,616,000 300,000	11,752,807	149, 192 19, 802	162, 868 20, 212	175, 574	147, 543 15, 298	148, 832 19, 808	138, 247 18, 637	149, 466	163, 039	181, 138 16, 791	179,289 16,572				-
Industrial establishments, totaldo	» 84, 969 81, 649															-
By fuels																-
ales to ultimate customers, total (Edison Electric Institute) mil. kwhr		1,849,625	151,824	161,850	170, 277	165, 226	156, 887	150, 833	149, 545	160, 170	172, 569	176, 889	172,074			-
Commercial and industrial: Small light and powersdo Large light and powersdo	418, 069 661, 558		35, 760 61, 511	36, 916 61, 956	39, 133 60, 314	37, 945 59, 493	36, 222 62, 043	35, 341 62, 004	36, 227 63, 549	39, 511 65, 493	43, 180 63, 584	44, 345 64, 971	43, 167 65, 140			
Railways and railroadsdo	4, 273	4, 338	365	392	402	451	335	331	328	336	331	332	329			_
Residential or domesticdo		1	48,582	56,893 1,319	64,516	61, 705	52,686	47,736 1,123	44, 005 1, 113	49, 481 1, 074	59, 748 1, 141	61, 541	57, 687			
Street and highway lightingdo Other public authoritiesdo Interdepartmentaldo	43,625	14, 413 45, 625 6, 383	1,314 73,742 550	3, 839 535	3, 982 554	3, 815 576	3, 837 580	3,710 588	3,729	3, 705 571	4,008	4, 009 569	3, 977 611			
Revenue from sales to ultimate customers (Edison				,								5 007 7	5 010 1	į		
Electric Institute)mil. \$_	46,853.5	53, 462. 9	1, 453. 3	4,734.9	5, 107. 7	5, 005. 4	4, 846. 9	4, 685. 5	4, 683. 4	5, 100. 6	5,775.4	5, 967. 7	5, 819. 1			-
Cotal utility gas, quarterly			1										1	1		
(American Gas Association): Customers, end of period, totalthous_	. 44, 839	45,128		45,128			45, 670			45, 295					.	
Residentialdo Commercialdo	41, 210 3, 393	41,519 3,377		41,519 3,377			41, 950 3, 483			41, 685 3, 378						
Industrial do Other do	182	2 179		179 53			184 54			178 53						-
Sales to customers, totaltril. Btu.		14,814	1	3,890			4,949			3, 067				.	-	
Residential do do do do do do do do do do do do do	4, 991 2, 387	5, 014		1,438 683			2,348 1,002			851 441						<u> </u>
Industrial do do do do do do do do do do do do do	6,837	2, 423 27, 107 2 270		1,692 75			1,412 187			1, 723 51						
Revenue from sales to customers, totalmil. \$.	1	1		r 6, 738			9, 498			5, 898				.	-	
	1	1	1		1	1	- 001	i		1		1	1	1	1	
Residential doCommercial do				2,966 1,247			5,021 1,974			2, 088 852						

Other do 608 2 311 2 312 99 7 Revised. Preliminary. Reported annual total; revisions are not distributed to the monthly data. 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. o*Data 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	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.

Designed systems (1998). Transible with property (1998). Transib	the 1975 edition of BUSINESS STATISTICS	Anı	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Part Part		FO	OD A	ND K	INDF	RED I	PROD	UCTS	s; TO	BAC	co						
Finderson and to person and to both person and to person a						1			1	<u> </u>							
Trouble with present of present of the control of t	Productionmil. bbl. Taxable withdrawalsdo Stocks, end of perioddo	148.64	150.39	10.52	10.83	10.01	10.43	14. 55	14. 28	15.00	15.71	14.80	14.64	12.89	11.65		
Translate withdrawals — min where and series of \$6.50 and \$6.50 an	Productionmil. tax gal	144. 24	160. 42	14.91	12.16	11.33	12, 98	14.84	13.61	15, 25	13.85	11. 24	11.40	13.82			
Production 1.5		1 422. 61 229. 74 793. 87	216, 34 752, 85	20. 67 756. 50	17. 46 752. 85	16.85 747.64	15, 41 745, 49	19. 51 743. 22	17. 44 740. 35	16.85 737.50	17. 79 737. 26	14.45 735.02	19. 79 728. 33	725, 51			
## Production Market Marke	Production mil. tax gal Taxable withdrawals do	59. 64 140. 82	79, 12 126, 62	6, 16 12, 63	5. 36 9. 71	5.81 10.12	6. 71 9. 11	7.85 11.04	7.78 10.04	8. 14 9. 18	8. 08 9. 70	6.14 7.84	6. 17 11. 40	6. 16 11. 22			
White we will reserve the second of the seco	Importsmil. proof gal.	94. 98	92. 07	10.99	9.93	5, 59		7.58	6.66	6.97	7.56	6.12	5.82	9, 33	10. 91	9, 70	
Preduction (note profile and p	Whisky mil. proof gal. Whisky do Wines and distilling materials:						7. 23 2. 74		8. 07 2. 80	8.89 3.20							
Still virtices	Production mil. wine gal Taxable withdrawals do Stocks, end of period do	7.90	19. 22 8. 35	2.86 8.99	2. 34 8. 35	1.06 9.05	. 96 9. 94	1. 41 10. 37	1. 01 11. 03	1.70 10.60	1, 60 10, 00	1.06 10.17	1. 57 10. 60	2. 13 10. 41			
Distilling materials produced at wineriesdo \$38.31 344.77 \$6.84 16.48 8.58 16.52 16.73 16.75 6.85 0.00 2.67 19.37 89.85	Still wines: Production	300. 25 7 451. 84	298, 25 473, 70	26.13 499,43	27. 34 473. 70	23. 31 452. 46	6. 37 21. 31 429. 28	31. 19 398. 63	25. 02 378. 12	24. 29 357. 30	26. 32 332. 30	22, 29 309, 38	25. 93 298. 78	25. 98 392. 22			
DARRY PRODUCTS Professions: Consumers: Professions: Consumers: Professions: Consumers: Professions: Consumers: Professions: Consumers: Professions:	•	Ì		ì	ì	ľ	ľ			ł	1		1				
Production (Second)	•							20110						0000			
Decesion Continue	Stocks, cold storage, end of perioddo	10.9	47.1	47.3	47.1	67.6	94.3	106. 4	128.5	164.0	201.3	208.4	207.7	203.4	r 198. 3	193. 7	187. 5 1. 060
Shoesa, coal storage, end of period	Cheese: Production (factory) total:mil. lb	2,811.4	3, 336. 6	257, 0	281, 1	264.8	254. 0	299. 2	301.9	326.6	314.1	282.6	271.6		145. 2	136.0	
Cacco S. Per Ib. 1,144 1,146 1,140	American, whole milk do Imports do	307. 0	411.3	414.0	411.3	417.1	403.5	422. 5 12. 5	447. 4 11. 2	491.5	510.6 17.1	518. 3 16. 9	516. 9 16. 6	483. 2 18. 7	r 437. 5 17. 7	417. 7 15. 2	466. 0
Stocks, manufacturers', case goods, end of month or year.		1.044	1.161	1.140	1. 140	1.140	1.140	1. 152	1, 193	1, 193	1. 194	1.194	1.194				
Condensed (sweetened).	Stocks, manufacturers', case goods, end of month or yearmil. lb.	1		(1	İ	i		1	ì	l	1	l)	
Production on farmst. do. 115.326 120,386 9.233 9.785 9.916 9.235 9.525 9.536 9.525 9.536 9.435 9.345	Condensed (sweetened)do Evaporated (unsweetened)⊙do	1. 8 53. 0		1.9	. 5 2. 4		1.8	. 6 2. 3		2.6		2.1		2. 7		2.3	
Froduction: Dry whole milk (human food): Monfat dry milk (human f	Production on farms‡doUtilization in mfd. dairy products‡doPrice, wholesale, U.S. average‡\$ per 100 lb.	115,326 59,230 8.75	63,672	4, 563	5,066	5, 259	5, 100	5,847	5,992	6, 465	6,360	5,825	5,580	4,985	4,861	4, 631	9,838 p 10, 20
Dry whole milk	Production: Dry whole milk‡mil. lb. Nonfat dry milk (human food)‡do																
Exports Dry whole milk do 35.5 31.6 1.9 1.8 2.4 1.6 2.5 2.3 2.5 1.9 2.3 2.1 2.0 1.7 1.5 Nonfat dry milk (human food) do 90.6 10.3 3.2 3 2.1 1.1 1.1 4.3 11.8 3.7 4.9 4.8 1.4 3.1 1.5	Dry whole milkdodo											9. 4 128. 8					
Price, manufacturers' average selling, nonfat dry milk (human food). \$per ib. 6.33 .635 .632 .625 .624 .623 .628 .628 .653 .677 .679 .678 .679 .680 .680 .680 GRAIN AND GRAIN PRODUCTS Exports (barley, corn, oats, rye, wheat)mil. bu. 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 Barley: Production (crop estimate).Δ	Exports: Dry whole milkdodo		31.6	1.9	1.8	2.4		2.5	2, 3			2.3					
Exports (barley, corn, oats, rye, wheat)mil_ bu 2,529.0	Price, manufacturers' average selling, nonfat dry milk (human food)\$ per lb	1	1	[i	l	l	1	1					. 680	. 680	
Barley: Production (crop estimate) Δ		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	
On farms	Barley: Production (crop estimate) \triangle dodo	3 374. 4	3 372. 5											391. 4			6 415. 8
Prices, wholesale (Minneapolis): No. 2, malting	On farms do do do do do do do do do do do do do	162. 9 113. 5	154.5 117.5		154.5 117.5			91. 2 97. 3		2 5 52. 4 2 5 73. 4				139. 6		2 4	
Corn: Production (crop estimate, grain only) \triangle mil. bu. 73, 5, 829.0 73, 6, 266.4 4, 4,880.7 4, 4,880.7 5, 3, 317.0 5, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	Prices, wholesale (Minneapolis): No. 2, malting\$ per bu	`3 . 80	3. 11	3, 11	2.75	2.76	2.80	2.90	2.79	2.72	2. 28	1.95	1.84	2, 21	2, 23	2.33	2. 33 2. 32
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Corn: Production (crop estimate, grain only) △mil. bu. Stocks (domestic), end of period, totaldo	4,448.6	4,860.7				1							4 440.9		1	6,357.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Off farmsdo Exports, including meal and flourdo Price, wholesale:	1, 269, 4	1,543.7		1,543.7			1,159.3		2 787.3	125.9			4 438. 0 137. 5	119. 2		0.05
On farms do 407.6 347.3 347.3 216.3 216.3 215.132.4 509.0 115.5 115.5 115.5	Oats: \$ per bu	3 642. 0 501. 7	³ 546. 3 420. 7		420.7			263.7		2 5 168. 0				685.1			
	On farms do. Off farms do. Exports, including oatmeal do.	94.1								25 132. 4 25 35. 6 . 4	.7	.		115.5			

Exports, including oatmeal ______do ____ Price, wholesale, No. 2, white (Minneapolis) \$ per bu .____ * Revised. * Preliminary. * Includes Hawaii, not available on a monthly basis; monthly revisions will be shown later. * Stocks as of June 1. * 3 Crop estimate for the year. * 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

1. 67

1.74

1.92

1.68 1.78

^{1.12 | 1.17 | 1.34 | 1.34} 1.66 1.81 1.75 1.82 1. 37 | 1. 14 1.04

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.

1975

1976

1977

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS Nov. Dec. Feb. Nov. Dec. Annual Mar. Apr. May June July Sept. FOOD AND KINDRED PRODUCTS; TOBACCO-Continued GRAIN AND GRAIN PRODUCTS-Con. California mills:

Receipts, domestic, rough mil. bags 9.

Shipments from mills, milled rice downward and of period mil. basis, end of period mill. basis, end 8 99. 2 1 128. 4 ¹ 115, € 122 83 189 36 261 149 2,346 1,705 2,220 1,492 110 76 275 153 $\frac{305}{245}$ 104 32 88 74 163 121 216 114 219 177 85 121 147 113 -----138 158 127 158 156 138 136 132 171 209 185 149 82 166 191 Southern States mills (Ark., La., Tenn., Tex.): Receipts, rough, from producers mill. lb.
Shipments from mills, milled rice. do
Stocks, domestie, rough and cleaned (cleaned
basis), end of period mill. lb. 8, 461 5, 312 1,242 518 3,474 556 9, 563 5, 481 $\frac{575}{572}$ 624 521 729 507 505 587 292 526 199 555 $\frac{123}{407}$ 753 531 545 -----750 1,087 2,763 2,693 2,647 2, 150 2,682 2,877 2,682 2, 475 2,454 2,161 1,850 1,424 1,044 . _ _ - - - -Exports...do.
Price, wholesale, No. 2, medium grain (Southwest Louisiana)...\$ per lb. 4,711 4,640 406 233 487 529 381 498 494 511 188 634 574 313 263 -----. 190 . 123 . 121 . 155 . 153 . 145 . 150 . 154 . 205 . 215 . 140 . 123 . 113 . 118 . 133 . 156 r 1 16.0 1 15. 0 9. 3 2. 92 8 17.0 2.66 2. 26 2.55 2.55 2, 59 2.82 2.87 2.88 2.84 2, 56 1.92 1, 82 Production (crop estimate), total \triangle mil. bu. Spring wheat \triangle do. Winter wheat \triangle do. Distribution, quarterly σ do. 1 2, 122 1 482 1 1, 640 1, 860 8 2, 026 2, 142 1 582 1, 560 8 1, 527 2 742 2 278 406 392 1,754 Stocks (domestic), end of period, totaldo... 1,384.6 546.6 838.0 ,388.1 509. 5 878. 5 , **3**96. 5 , **03**1. 6 , **3**64. 9 1,780.1 1,780.1 41,110.8 1,116.4 1,116.4 3 4 685.9 ----- - - --------------Exports, total, including flour....do....do....do... 1,001.3 968.9 51. 9 49. 0 56. 5 50. 7 110. 2 108. 5 57. 4 56. 9 -----Prices, wholesale:
No. 1, dark northern spring (Minneapolis) No. 2, hd. and dk. hd. winter (Kans. City) do.... Weighted avg., selected markets, all grades \$ per bu. 4.60 3.96 3.08 2.71 3.08 2.68 3.03 2.60 2.86 2.52 2.92 2.60 3.02 2.84 2.94 2.88 4. 10 3. 50 3. 17 2. 79 3.08 2.77 3.11 2.76 2.87 2.41 2.72 2.38 2.57 2.38 2. 59 2. 35 3.05 4.84 3.87 3, 08 2.96 2 97 3, 01 3.00 2.94 2.82 2,64 2.57 2.55 2.82 3.04 3.13 Wheat flour: 259, 483 4, 643 584, 082 21,031 380 47,486 20,804 21,425 24,321 20,632 20, 861 20,52919,393 345 43,518 23,023 410 51,712 22,039 22, 054 7 383 49, 360 22,419 4, 485 555, 891 430 54,434 375 46, 870 -----373 46,931 385 48,023 370 46,402 367 46, 261 378 49, 258 380 48, 035 50, 116 3, 537 730 3, 907 10, 178 4, 334 13, 907 4, 334 188 4, 248 2, 519 4, 167 1, 248 447 1, 218 2. 334 1.194 1. 146 473 766 1,857 3,272 _____ Spring, standard patent (Minneapolis) \$ per 100 lb. Winter, hard, 95% patent (Kans. City)..do... 9 509 7. 913 6. 938 7.838 6.838 7.025 6.088 7. 200 6. 488 7.863 6.813 7.725 6.525 6.500 5.575 6.588 5.850 6.688 5.913 7. 188 6. 325 $7.338 \\ 6.575$ 7.750 6.763 6. 200 8.303 LIVESTOCK Cattle and calves: Slaughter (federally inspected): Calves thous. animals. 4, 438 38, 992 387 3, 200 457 3, 330 352 3, 085 411 3, 489 403 3, 320 392 3, 282 420 3, 205 408 3, 272 380 3,041 389 3, 033 368 3,374 398 3, 244 3,894 36,904 388 3, 154 353 3,054 Cattle. do
Prices, wholesale:
Beef steers (Omaha) \$ per 100 lb.
Steers, stocker and feeder (Kansas City) do...
Calves, vealers (So. St. Paul)† do... 40. 11 39. 61 46. 20 40. 35 39. 04 41. 54 40.94 38.90 46.95 41.83 38.79 40.98 44. 61 33. 42 40. 44 39, 96 35, 19 49, 58 38. 38 34. 87 53. 12 37.98 36.54 54.88 37. 28 38. 29 52. 26 40.08 41.33 52.88 41. 98 39. 88 54. 92 40. 24 38. 22 51. 60 43.13 39. 15 35. 07 40. 18 42. 50 37.65 45.18 40. 50 44, 90 Hogs: Slaughter (federally inspected)...thous. animals... 6, 186 6,885 64,926 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 Prices:

Wholesale, average, all weights (Sioux City)⊕

\$ ner 100 lb. Sper 100 lb. Hog-corn price ratio (bu. of corn equal in value to 100 lb. live hog)..... 44, 13 48. 30 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 17.5 15.8 19.8 23.9 26. 3 25.1 23, 9 r 19.9 21.0 17. 1 15.4 16, 2 16. 2 16.8 15.6 18.4 Sheep and lambs: Slaughter (federally inspected)...thous. animals. Price, wholesale, lambs, average (Omaha) \$ per 100 lb... 553 525 477 441 6, 474 517 534 461 579 539 474 550 468 568 50.75 56, 88 50.00 58.50 44. 42 47.84 39.00 45.00 49.50 50. 25 51.50 56.75 56.75 53.00 41.25 55, 75 Total meats (excluding lard): 3, 239 565 Production, total | mil. lb.
Stocks, cold storage, end of period od. do.
Exports (meat and meat preparations). do.
Imports (meat and meat preparations). 36, 213 675 864 3, 453 726 117 134 3, 367 733 128 3, 549 795 103 143 3, 122 798 110 147 3, 298 726 103 3, 344 7 530 106 117 3, 416 566 39,060 3, 238 745 3, 084 755 3, 200 818 $2,925 \\ 629$ 3,405 3, 354 580 100 110 158 109 1 309 125 130 147 2, 147 302 $2,106 \\ 323$ 2, 185 486 $2,044 \\ 485$ 2, 259 504 2, 049 484 2,052 456 2, 247 425 2, 031 2,302 361 24.5002, 190 439 464 $\frac{10}{129}$ -----82 1, 467 100 107 71 115 111 140 95 101 1, 304 104 64 123 113 . 715 . 754 . 675 . 660 . 668 661 . 667 . 694 . 690 . 644 . 645 . 662 638 630 . 605 . 640 Lamb and mutton: Production, total† _____ mil, lb_ Stocks, cold storage, end of period _____do___ 27 $\frac{34}{12}$ 29 14 30 12 15 10

r Revised. ¹ Crop estimate for the year. ² See "♂" note, this page. ³ Stocks as of June 1. ⁴ Previous year's crop; new crop not reported until June (beginning of new crop year). ⁵ See "⊙" note, this page. ⁵ Average for 11 months (Jan.-June, Aug.-Dec.). ² Reflects revisions not available by months. ⁵ Crop estimate for 1977. ♀ Bags of 100 lbs. ♂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; © Enecuve April 1977 SURVEY, data beginning Feb. 1976 are restated to exclude cooler meats; comparable earlier data will be shown later. † See corresponding note, p. 8-29. ⊕ Effective July 1977 SURVEY, monthly prices are restated through May 1977 to coincide without 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.

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.
FO	OD AI	ND KI	NDR	ED P	RODU	JCTS	; TOI	BACC	0—C	ontin	ued		<u> </u>	' <u></u>	<u>'</u>	•
MEATS—Continued																
Pork (excluding lard): mil. lb. Production, total† mil. lb. Stocks, cold storage, end of period△ do. Exports. do. Imports. do. Prices, wholesale: Hams, smoked composite. \$per lb. Fresh loins, 8-14 lb. average (New York)do.	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 r 167 26 18 . 889 . 984	1, 241 208 28 12 . 971 . 901	1, 108 187 1, 013 1, 029
POULTRY AND EGGS	. 555		100	. 600	.9/1	. 910	. 002		. 832	1.004	1.042	. 919	. 500			1.023
Poultry: Slaughter (commercial production) mil. lb. Stocks, cold storage (frozen), end of period, total mil. lb. Turkeys. do. Price, in Georgia producing area, live broilers	10, 434 314 195	11,739 363 203	1, 021 453 299	928 363 203	849 335 190	780 303 168	938 279 142	895 266 130	988 281 138	1, 0 95 353 201	988 408 252	1, 179 481 328	1, 115 566 408	1,092 r 602 446	1,028 420 269 .215	317 167
Eggs: \$ per lb. Production on farms ‡ mil. casesO	. 269 178. 9	. 240 180. 1	14.8	. 195 15. 4	. 220 15. 2	13.7	. 250 15. 4	. 250 14. 8	. 250 15. 2	. 255 14. 5	. 270 14. 7	. 245	. 245 14. 8	. 235 15. 5	15. 3	. 205
Stocks. cold storage, end of period: Shell	22 36 . 594	28 26 . 678	25 26 . 767	28 26 . 823	29 27 . 787	44 25 .756	42 25 . 675	42 25 . 624	33 28 .557	40 32 . 570	38 35 . 628	47 35	49 34 . 593	7 49 33	51 31 . 550	38 30 .615
MISCELLANEOUS FOOD PRODUCTS																
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. 1 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 	1, 137 154 	756 98 135	695 71 284	678 5 r 327	635 1 275	972 3 <u>267</u>	
Fish: Stocks, cold storage, end of period;mil. 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: Productionthous, sh. tons	5, 192	5,742	1, 174	1, 214	775	459	275	202	206	104	68	73	147	681		
Deliveries, total do For domestic consumption do Stocks, raw and ref., end of perioddo	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 \$\frac{1}{2}\$ per lb. Refined: Retail (incl. N.E. New Jersey) \$\frac{1}{2}\$ per 5 lb. Wholesale (excl. excise tax) \$\frac{1}{2}\$ 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	. 112 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): Production1mil. lb. Stocks, end of period⊕do	3, 687. 3 124. 7	3, 913. 4 127. 7	324.3	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	
Salad or cooking oils: Production1	3, 947. 2 90. 8	4, 343. 0 104. 0	120. 5 351. 4 89. 4	344. 8 104. 0	311.5 117.8	316. 9 118. 1	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: Production	2, 399. 3 60. 1 . 525	2, 629. 7 67. 2	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	178.8 91.0	179. 8 81. 0	164. 8 73. 7	198. 2 68. 6	209. 1 58. 9 . 535	7 221. 8 7 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	535.5 660.5 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	4, 655. 4 2, 908. 4 276. 6	5, 674. 6 3, 367. 2 354. 8	487. 4 265. 6 384. 5	501. 8 261. 4 354. 8	464. 1 261. 7 377. 9	440. 9 237. 5 357. 5	484. 4 270. 9 402. 7	422. 2 265. 0 359. 3	439. 6 274. 0 372. 8	450. 5 276. 5 352. 6	398. 1 242. 0 326. 0	432, 1 262, 1 356, 0	255.7	7 427. 4 7 262. 1 7 350. 8	328.8	CUDVEY

Stocks, end of period \(\) \\(\) \

stocks. † Monthly revisions back to 1974 are available. \(\times \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	17				<u> </u>	
the 1975 edition of BUSINESS STATISTICS	Ann	ual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FOO	OD AN	D KI	NDRI	ED PI	RODU	CTS:	TOI	BACC	0—Сс	ntin	ıed					
FATS, OILS, AND RELATED PRODUCTS—Continued																
Vegetable oils and related products: Coconut oil: Production, refinedmil. lb. Consumption in end productsdo. Stocks, refined, end of period ¶do. Importsdo.	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: Crude		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	7 115. 1 7 77. 8 7 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 Refineddo Consumption in end productsdo	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	7 686. 8 7 658. 6	921. 4 749. 8 682. 2	
Stocks, crude and ref., end of period ¶do Exports (crude and refined)dodo 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) mil. lb Stocks, dealers' and manufacturers', end of period mil. lb	1 2, 182 4,738 563,030	1 2, 136 4, 978	51, 307	4,978	77.000	50.064	4, 797	31,271	90 000	4, 425	40.800	47 500	4, 719 66, 331	17, 850	49, 515	9 1, 934
Exports, incl. scrap and stems	320, 318	577, 997 310,393		75, 600 25, 764	76, 832 26, 580	52,964 26,118	54, 695 22, 075	36, 471	38, 003 17, 482	41, 525 22, 762	49, 692 27, 333	47,506 32,360	33, 271	22, 997	25, 072	
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	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	4, 177	
			LEA'	THER	ANI) PR	ODUC	CTS								
HIDES AND SKINS Exports: Value, total ?thous. \$ Calf and kip skinsthous. skins. Cattle hidesthous. bides.	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: Value, total ?	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. 915/15 lb\$ per lb\$ thides, steer, heavy, native, over 53 lbdo	3.350 .234	7.754 .338	.700 .290	. 700 . 323	. 800 . 358	. 900	. 900	. 900	1, 150 , 413	1. 150 . 363	. 900 . 381	. 900 . 368	.900	. 338	. 750 . 348	.800
Production: Calf and whole kip. thous. skins. Cattle hide and side kip. thous. hides and kips. Goat and kid. thous. skins. Sheep and lamb. do			I		l											
Exports: Upper and lining leatherthous. sq. ft		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	1	\$ 197. 9	195.6			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:								Ì								
Production, total thous pairs Shoes, sandals, and play shoes, except athletic Slippers do Athletic do Other footwear do	331,232 70,536 7,917	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		33, 546 25, 947 6, 532 798 269		
Exportsdo	2 4, 332	6,023	498	564	391	436	475	463	412	477	422	475		369	489	
Prices, wholesale f.o.b. factory: Men's and boys' oxfords, dress, elk or side upper, Goodyear weltindex, 1967=190 Women's oxfords, elk side upper, Goodyear weltindex, 1967=100. Women's pumps, low-medium qualitydo	151.8	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	173.0	192. 5 173. 0 143. 8	192. 5 173. 0 143. 8	194. 8 170. 2 143. 8	194. 8 170. 2 143. 8	170, 2	197. 9 173. 3 146. 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.,

Unless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976	197	76						199	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																
Vational Forest Products Association: mil. bd. ft. Production, total mil. bd. ft. Hardwoods do Softwoods do	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	576		
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 productsdomports, 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:	7 490	8, 377				674		700	725	748	537	715	663	726		
Orders, newmil. bd. ft_ Orders, unfilled, end of perioddo	i	634	673 618	696 634	675 638	674 637	771 672	733 621	573	631	547	573 682	504	497		
Production	1	8, 322 8, 293 949	700 677 954	675 680 949	720 671 998	686 675 1,009	743 736 1,016	745 784 977	737 773 941	656 690 907	599 621 885	689 878	772 732 918	747 733 932		
Exports, total sawmill products	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. 3 8	225, 50	232, 09	226, 05	225. 42	213. 79	230. 93	242. 51	256. 92	237. 27	218. 0 3	227.
outhern 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		
Productiondo Shipmentsdo	1 6, 967 1 7, 142	17,987 17,889	656 633	663 658	651 614	702 652	787 794	778 780	729 753	728 785	708 746	759 797	742 723	764 752		
Stocks (gross), mill and concentration yards, end of periodmil. bd. ft.	1,134	1, 232 140, 386	1, 227	1,232	1, 269 9, 455	1,319	1, 312 13, 413	1,310	1,286	1,229	1, 191 9, 194	1, 153 15, 682	1, 172 14, 242	1, 184 9, 272	10, 223	
Exports, total sawmill products	67, 502	110,000	12,833	17, 349	9, 400	16, 361	10, 110	17,548	14, 938	18, 473	9,194	10,002	14, 242	3,212	10, 220	
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
Vestern 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	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	
$\begin{array}{cccc} \textbf{Production} & & do \\ \textbf{Shipments} & & do \\ \textbf{Stocks (gross), mill, end of period} & & do \\ \end{array}$	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	
		M	ЕТАІ	S AN	ND M	ANUI	FACT	URES	;	<u> </u>	<u>,</u>					
IRON AND STEEL				}								1				
xports: Steel mill productsthous. sh. tons. Scrapdo Pig irondo	9,608	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	
mports: Steel mill products	305	14, 285 507	1,597 50	1,364	1, 121 55	1,002	1, 175 62	1, 115 80	1,817 43	1,819	1, 582 35	1,831 67 19	2,057 62 25	1,762 40 54	1, 938 39 48	
Pig frontdodo	478	415	23	64	6	20	17	14	36	58	22	19	20	1	10	
Production	1 36,753	1 50, 035 1 41, 144 1 89, 914 1 9, 988	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	4,571 4,456 8,570 9,720	4,570 3,961 8,507 10,625	3, 961 3, 961 7, 527 10, 553	4,051 7,734	7 4, 187 7 4, 035 7 7, 605 7 9, 917	p 4,076		
Prices, steel scrap, No. 1 heavy melting: Composite (5 markets) \$ per lg. ton. Pittsburgh district	70.83	73. 62	60.02	63. 22	67.03	² 68. 76	73.66	74.03	68.01	63 32	,	260.65	2 59, 53	2 51. 77	2 47, 17	
Revised. p Preliminary. 1 Annual data; m 2 Effective with Feb. 1977, composite reflects subst	onthly re-	visions are	not avai	ilable.	300'		fective A e iron im					ports of	rerolling	rails and	pig iron	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. \$\rightarrow\$ 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.

through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS	·															
	An	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	М	ETAL	S ANI	D MA	NUF	ACTU	RES-	-Con	tinue	d						
IRON AND STEEL—Continued	1]		l	1	}									
Ore	}	1														
Iron ore (operations in all U.S. districts): Mine productionthous. lg. tons Shipments from minesdo. Importsdo	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	106, 230	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.	1 12, 299 52, 231	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	43, 354 3, 018	
Manganese (mn. content), general importsdo	1,033	1,053	93	114	70	53	29	48	121	119	62	87	110	49	21	
Pig Iron and Iron Products																
Pig iron: Production (excluding production of ferroalloys) thous. sh. tons. Consumption	79, 923 1 79, 638	86, 870 86, 929	6, 382 6, 402	6, 272 6, 275	5, 985 5, 984	5, 827 5, 860	7,174 7,227	7, 382 7, 396	7, 962 8, 053	7, 530 7, 535	7,008 7,001	6, 763 6, 832 1, 573	r 6, 566 r 6, 650 r 1, 530	6, 636 6, 753 1, 419		
Price, basic furnace		1, 513 3 182. 33	1, 491 182. 25	1, 513 182. 25	1,530 182.25	1,520	1,505 178.00	1,526 178.00	1,508 178.00	1,526 178.00	1,564 178.00	178.00	191.00	191.00	191.00	
Castings, gray and ductile iron: Orders, unfilled, for sale, end of period thous. sh. tons.		r 832	r 816	834	883	901	884	920	964	920	923	940	r 870	897		
Shipments, totaldo For saledo Castings, malleable iron: Orders, unfilled, for sale, end of period	r 12, 407 r 6, 397	714, 168 76, 859	1, 160 7 546	1,036 482	1,088 479	1, 130 507	1, 362 629	1, 302 632	1, 357 660	1,425 698	1, 106 557	1, 276 658	1, 264 7 632	1, 319 641		
Shipments, total. do For sale. do	64 729 431	56 848 491	* 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	}															
Steel (raw): Production thous, sh. tons. Rate of capability utilization* percent. Steel costings: Orders, unfilled, for sale, end of period	1 116,642 76. 2	1127, 943 80, 9	9, 494 72. 2	9, 215 67. 8	9, 089 66. 8	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	₽ 9, 748 ₽ 75. 0	
thous. sh. tons. Shipments, total	748 r 1, 974 r 1, 622	7 431 7 1,804 7 1,513	424 145 123	432 144 125	450 137 121	446 131 116	436 160 139	447 145 123	439 156 133	427 165 143	444 113 97	441 131 111	r 438 r 152 r 132	429 154 135		
Steel Mill Products	,									i						
Steel products, net shipments: Total (all grades)thous. sh. tons.	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	
By product:	8, 761	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, totaldo Bars: Hot rolled (incl. light shapes)do Reinforcingdo Cold finisheddo	8, 146	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	5, 687 30, 763	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.	15, 622 8, 767 3, 927 15, 214 3, 152 5, 173 6, 053	4 14, 615 4 7, 508 4, 502 21, 351 3, 056 5, 180 6, 914		960 4, 873 848 1, 237 1, 428			3, 492 1, 681 972 5, 324 788 1, 318 1, 971			4, 271 2, 161 1, 328 5, 963 869 1, 496 1, 697			3, 944 1, 957 1, 148 5, 109 806 1, 324 1, 748 6, 446	2 1, 179 2 603 2 370 2 1, 805 2 258 2 492 2 481 2 2, 212	2 1, 222 2 570 2 367 2 1, 725 2 248 2 484 2 412 2 2, 160	
Other do. Steel mill shapes and forms, inventories, end of period—total for the specified sectors:		4 26, 371		5, 828		25 5	6, 371	24.7	25.4	7,374	25.5				ŕ	
mil. sh. tons. Producing mills, inventory, end of period: Steel in process	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	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	6. 5 10. 2 62. 6 62. 9	6. 4 10. 3 5. 0 4. 9	6. 5 10. 2 4. 5 4. 6	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		

^{*}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	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.
	MI	ETALS	ANI) MA	NUFA	ACTU	RES-	-Con	tinue	d						
NONFERROUS METALS AND PRODUCTS]		ļ		1	1]			
Aluminum: Production, primary (dom. and foreign ores)	_															
thous. sh. tons. Recovery from scrap (aluminum content)do	3, 879 11, 156	4, 251 1, 346	387 119	400 106	399 109	352 109	379 124	371 123	382 120	369 117	7 381 103	376 116	7 367 119			
Imports (general): Metal and alloys, crudedo	457. 9	568. 7	33.6	25. 9	15.8	48. 5	68.6	59, 3	59.8	74.1	67.5	75.9	42.2	49.6	54.5	
Plates, sheets, bars, etcdo Exports:	61.0	87. 1	6.5	6.5	5. 5	5.0	6.0	6.1	4.8	6.8	5.8	8.0	8.0	5.8	5.1	
Metal and alloys, crudedo Plates, sheets, bars, etcdo	185, 8 7 187, 0	152, 4 222, 1	13. 1 19. 2	12.7 21.0	9. 8 13. 2	10. 6 18. 1	7 8.7 7 21. 2	7 12.5 7 20.0	7 4. 4 7 20. 2	6.7	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:																1
Ingot and mill prod. (net ship.) mil. lb. Mill products, total do Sheet and plate do	9,804 7,427 4,052	12,568 9,716 5,584	960, 9 742, 5 432, 5	1,055.6 802.3 494.3	885. 8 742. 5 422. 5	976. 9 752. 7 429. 6	1,432.1	1,2 04 . 6 952. 1 557. 4	1,175.1 948.3 541.6	1,208.4 915.4 528.2	975. 2 800. 3 472. 3	866.9	r 1050.4 r 878.3 r 509.3	1072. 7 864. 8 506. 7		
Castings do	1, 376	1,845	160.6	147.6	168.7	166.9	606, 3 186, 7	166.2	172.8	176. 5	130. 2	165. 2	7 165. 8	174. 4		
Inventories, total (ingct, mill products, and scrap), end of periodmil. lb	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	1 1, 443. 4	11,611.3 11,539.3	135. 9 133. 0	138. 4 136. 0	142. 0 125. 5	131. 9 123. 6	159. 0 169. 6	147. 1 166. 2	146. 5 166. 9 156. 4	138. 6 176. 9	70. 1 46. 2	102.5 69.1	7 107. 5 88. 5 85. 1	123.7 118.2 110.9		
From domestic ores do From foreign ores do Secondary, recovered as refined do		11,422.7 1116.6	121.1 11.8 41.0	124. 0 12. 0 30. 0	118. 0 7. 5 30. 0	9. 2 31. 0	160. 1 9. 5 32. 0	157. 3 8. 8 36. 0	10. 5 39. 0	166. 5 10. 4 46. 0	1.8 24.0	66.3 2.8 21.0	3. 4	7.3		
Imports (general):					i											
Refined, unrefined, scrap (copper cont.)do Refineddo	330. 0 146. 8	547. 4 384. 1	19. 1 10. 4	40. 6 26. 8	39. 2 26. 8	29. 9 21. 7	34. 1 17. 7	49. 6 35. 0	44. 2 28. 6	41. 9 36. 0	45. 2 40. 4	49. 1 39. 7	37. 3 31. 7	42.5 r 32.1	43. 8 28. 6	
Exports: Refined and scrapdo Refineddo	333. 1 172. 4	250.0 113.1	20. 4 7. 3	17. 1 6. 8	13.9 3.7	11.1	r 14.6	r 14.8	r 14.7	7 36, 0 5, 2	, 21. 5	17. 5 1. 6	22. 0 4. 4	16. 6 4. 6	14.7 5.0	
Consumption, refined (by mills, etc.)do	1,541	1,995		499			557			635	1 148	4 211				
Stocks, refined, end of period do do Garagnesia do do do do do do do do do do do do do	538 177	651 177	568 152	651 177	647 178	668 181	666 194	662 220	679 22 6	683 248	656 247	598 227				
Price, electrolytic (wirebars), dom., delivered \$ per lb Copper-base mill and foundry products, Shipments	. 6416	. 6956	. 7062	. 6577	. 6624	. 6862	. 7255	. 7439	. 7261	.7120	. 6800	. 6379	. 6062	. 6062	. 6062	
(quarterly total):	2,025	0.517		F00			701			729						
Brass mill products mil. lb Copper wire mill products (copper cont.) do Brass and bronze foundry products do	2,056	2, 517 2, 383 547		582 581 142			701 659 145			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	39. 0 54. 0	52, 1 62, 6	46. 2 65. 7	7 49. 1 62. 6	49. 0	
Imports (general), ore (lead cont.), metaldo	188. 6	224. 6	18.5	24.3	19.7	24.0	22.3	15. 4	19.8	6.2	21.2	39.8	10.0	4.6	9. 2	
Consumption, totaldo	1,297.1	11, 429. 1	122.5	120.0	123.4	114.5	134. 4	126.9	121.8	126. 2	105.0	124.0	133. 5	132.7		
Stocks, end of period: Producers', ore, base bullion, and in process (lead content), ABMSthous. sh. tons	191.4	180.7	187. 2	180.7	169.8	173. 2	162.5	163. 4	158.0	157.1	163.1	r 183. 4	192.7	189.7		
Refiners' (primary), refined and antimonial (lead content)thous, sh. tons.	81.3	43.7	43.8	43.7	36.5	27. 1	22.7	20. 5	19.7	14.5	13. 2	12. 7	11.1	13.5		
Consumers' (lead content) ddo Scrap (lead-base, purchased), all smelters	1 133.3	110.1	108.0	110.1	104. 2	106.1	104.9	101.6	101.1	115. 2	120.8	119.7	118. 2	112. 9 84. 8		
(gross weight) thous. sh. tons. Price, common grade, delivered \$\frac{1}{2}\$ per lb.	87.8 .2153	96.0 .2310	95. 6 . 2579	96. 0 . 2582	85. 0 . 2686	84. 0 . 2869	89. 3 . 3100	90.6	89.0 .3100	85. 2 .3100	90.6	90.5	88. 7 . 3100	. 3102	. 3200	
Tin: Imports (for consumption):																
Ore (tin content) †	6, 415 44, 365 15, 869	5, 733 45, 055	838 3, 484	1, 346 4, 956 1, 275	4,016	1,079 4,577 1,275	522 4, 523	3,955 1,300	3, 711 1, 205	2, 429 3, 549 1, 295	4, 084 1, 160	4, 406 1, 425	3,541	4, 056		
Recovery from scrap, total (tin cont.)†do As metal†do Consumption, total†do	1, 917 55, 800	14, 057 2, 393 67, 567	1, 245 208 5, 950	1, 275 193 5, 700	1,140 120 5,600	1,275 125 5,500	1,480 150 6,800	1,300 150 5,800	1, 205 135 5, 800	1, 295 155 6, 000	1, 100 175 5, 200	155 5,800	5, 900			
Primary†do	43, 620	53, 850	* 4, 690	4,600	4,400	4,500	5,300	4,600	4,700	4,800	4, 200	4,500	4,700			
Exports, incl. reexports (metal)† doStocks, pig (industrial), end of period† dodo	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	5, 874 5, 1893	370 6,175 4.8007	7 281 5, 644 4, 8861	381 4, 720 4, 8179	6, 305 5, 1804	5, 557 5, 5637	498 5, 378 5, 5638	594 6, 0794	6. 2093	
Price, Straits quality (delivered)*\$ per lb Zinc:	9. 3982	3. 1982	4.0778	4, 1017	4. 0347	3.0143	3. 1593	4. 8007	4.0001	4. 6179	0.1004	3.0001	0.0000			[
Mine prod., recoverable zincthous. sh. tons Imports (general):	469. 4	484.5	37.3	36.6	39.1	40.5	41.9	40. 2	38.9	39.0	32.4	41. 2	36. 4	37. 2	26.5	
Ores (zinc content)dododododododododo	145. 0 380. 4	97. 1 714. 5	8. 9 52. 4	8. 0 62. 5	10. 3 34. 0	4. 3 37. 8	7. 3 51. 6	4.7 60.8	4. 6 52. 1	8.1 36.2	11.3 43.5	11. 3 55. 4	9, 3 42, 2	11. 8 47. 1		
Consumption (recoverable zinc content): Ores	1 82.7	96.6	6.8	7.1	6.3	7. 7	8.1	8.3	9.3	8.5	8.6	9.2	10.6	7.7		
Scrap, all typesdo	223.8	202. 3	15.7	15. 1	15.0	15. 2	16.4	16.4	16. 2	15.8	15, 3	15.8				
Slab zinc: § Production (primary smelter), from domestic and foreign oresthous, sh. tons	438. 1	498, 9	37.0	41. 4	42.5	36. 8	38.8	40.9	32.7	27.8	23.6	21.7	22. 5	31.1		
Secondary (redistilled) production dodododododododo	57. 9	498. 9 63. 6 1, 127. 1	4. 2 81. 4	3. 7 79. 1	3. 1 83. 6	2.8 82.0	38.8 4.8 106.2	40. 2 2. 7 96. 2	32. 7 4. 5 96. 5	4. 1 100. 4	3. 2 80. 6	3.7 98.4	3. 4 96. 0	3. 1 95. 0		
Exportsdo	6.9	3.5	.2	.1	.1	0	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
Producers', at smelter (ABMS) O do Consumers' do do Primo Westown	107.3	88. 8 111. 8	82.7 124.3	88. 8 111. 8	112.9	84. 2 105. 2	58.9 108.0	67. 9 116. 7	78.9 107.7	77. 3 89. 1	74.9 83.6	64.7 86.2	59.7 7 81.9 3400	60.3 76.9 .3190		
Price, Prime Western	. 3896	3701		.3700				. 3700	3557	.3400	.3400			.3190 k.MW Co	•	

r Revised. ¹ Annual data; monthly revisions are not available. ² Less than 50 tons. ² 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 temelted 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	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	M	ETAL	S AN	D MA	NUF	ACTU	JRES-	Con	tinue	ed						
MACHINERY AND EQUIPMENT													1			
Heating, combustion, atmosphere equipment, new orders (domestic), net, qtrly. \$\infty\$ \cap \dots mil. \$\\$\text{Lictric processing heating equip.} \dots \text{Dots} \dots \text{Tuel-fired processing heating equip.} \dots \	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				
Industrial 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		
Industrial supplies, machinery and equipment: New orders index, seas. adjusted1967-69=100. Industrial suppliers distribution: Sales index, seas. adjusted1967=100	142.3	165. 4 183. 8	171. 9	178. 7	187. 6	188. 3	194. 6 196. 9	201. 7	198. 8	199.1	199. 5	195. 4 218. 6	200. 0	206. 2 214. 7	207. 5	208, 8
Price index, not seas. adj. (tools, material handling 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	200.0
Machine tools: Metal cutting 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, 269, 85	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	160, 10 150, 55 141, 55 131, 40 1,687.8	p223. 00 p206. 20 p162. 50 p140. 05 p1, 748. 3	
Metal 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	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	79.80 74.85 51.55 747.15 7357.2	p 64. 15 p 59. 80 p 60. 05 p 49. 95 p 361. 3	
Tractors used in construction, shipments, qtrly: Tracklaying, total	20, 453	19,533		4,321			4,963			5, 368 291. 1				3 1, 891 3 109. 0		
mil. \$ Wheel (contractors' off-highway)	1,111.5 4,592 289.6	3,772		248. 6 813 49. 5			267. 8 1, 119 69. 8			1, 263 84. 2			200. 2			
and tracklaying types	37, 956 1, 132, 7	34, 543 975. 7		7,628 222,9			10, 827 322. 4			11, 619 361. 9						
construction types), ship., qtrly units mil. \$_	224,259 2, 321. 5	207,036 2,451.5		43,112 522, 3			60, 072 785. 5			60, 039 770. 2				³ 19, 795 ³ 272. 1		
ELECTRICAL EQUIPMENT	ļ		ļ			1							İ			
Batteries (auto-type 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	
Radio sets, production, total marketthous. Television sets (incl. combination models), production, total marketthous	34, 516 10, 637	44, 102 14, 131	3, 616 1, 219	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	1	4, 891 1, 380	5,061 1,366	² 6, 231 ² 1, 359
Household major appliances (electrical), factory shipments (domestic and export) \(\foating{P} \) thous. Air conditioners (room) \(\dot \text{do} \) do \(\text{Dishwashers} \) do \(\text{Dishwashers} \) do \(\text{Ranges} \) do \(\text{Ranges} \) do \(\text{Refrigerators} \) do \(\text{Freezers} \) do \(\text{Vashers} \). \(\dot \text{do} \) \(\text{Dryers (incl, gas)} \) do \(\text{Vacuum cleaners (qtrly.)} \) do \(\dot \text{do} \)	2,670		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, 967 219. 2 239. 4 224. 3 187. 0 354. 9 101. 1 352. 0 247. 7	2, 179 253. 4 272. 0 228. 7 193. 4 374. 6 107. 1 406. 6 292. 2	4 2, 903 427. 7 316. 4 252. 1 250. 4 505. 8 152. 5 478. 3 336. 5 2, 489. 3	4 2, 506 488. 1 235. 7 225. 5 215. 5 419. 9 361. 5 241. 5	4 2, 580 440.8 255.5 229.1 242.3 456.7 136.2 404.9 246.3	4 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)					ļ	İ		1								
Furnaces, gravity and forced-air, shipments thous. Ranges, total, salesdo	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	
		PETI	ROLE	UM,	COAI	L, AN	D PR	ODU	CTS	<u>:</u>				***		
COAL			<u> </u>]											
Anthracite: Production † thous. sh. tons. Exports. do Price, wholesale, chestnut, f.o.b. car at mine	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	475
Bituminous: \$ per sh. ton Production ‡ thous. sh. tons		46. 428 1678,685	46. 428 56, 995		4	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. 579 32, 120

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	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.
	PETR	OLEU:	M, C	OAL,	AND	PRO	DUC	rsc	ontin	ued						
COAL—Continued	1					1										
Bituminous—Continued ‡ Industrial consumption and retail deliveries, total \$\sigma\$ thous. sh. tons. Electric power utilities	2 556,301 403, 249 145, 746 83, 272	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	127,115 109,707 17,175 8,671	133, 673 116, 554 16, 879 9, 804		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		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 dealersdo	233	240	210	240	130	140	155	140	160	175	200	190	240	275		
Exportsdo	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 37 9. 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
Production:	2 727	605	42		49	37	37	36	26	38	38	36	36			
Beehive thous sh. tons Oven (byproduct) do Petroleum coke \$ do Stocks, end of period:	56, 494 25, 848	57, 728 26, 029	4,752 2,099	55 4, 751 2, 211	4, 412 2, 135	4, 273 2, 005	4, 696 2, 239	4, 672 2, 183	4,819 2,222	4, 686 2, 206	4,642	4, 259	4, 087			
Oven-coke plants, total do At furnace plants do At merchant plants do Petroleum coke do	4, 996 4, 718 278 1, 472	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			
Exports do	1, 273	1,315	90	32	91	51	108	108	95	160	126	136	(4)	4 159	142	
PETROLEUM AND PRODUCTS		,														
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, 3 91 262. 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, 400 273. 1	1, 924 276. 1	1, 562 278. 6	1, 785 282. 9	288, 1
All oils, supply, demand, and stocks: New supply, total other mil. bblmil. bbl	5,876.9	6, 242. 6	532.8	559.1	566.1	549.7	589.0	554.0	566.0	557.3						
Production: Crude petroluem ‡dodo Natural-gas plant liquidsdo	3, 056. 8 609. 7	2, 971. 7 601. 0	241.3 49.7	248. 2 50. 8	241. 5 49. 2	225. 9 45. 8	248. 7 53. 7	242. 4 51. 5	248. 3 52. 0	l .				1	1	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		ľ		ł	i	Į.
Demand, total ‡dodo	1	6, 465.7	575.8	644.3	640.9	578.5	566.1	533.8	534.7	548.2		!		1	l .	l .
Crude petroleumdo Refined productsdo	2. 1 74. 3	2.9 78.7	9.5	1.1 7.6	5.5	1.7 4.9	1. 0 5. 4	6.2	2.8 6.2	6. 5						
Domestic product demand, total 9 \$ do\ Gasoline do\ Kerosene do	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 ‡ do Residual fuel oil ‡ do Jet fuel do	1,040.6 898.6 365.3	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						
Lubricants ‡ do Asphalt do Liquefied gases do	50, 2 147, 4 486, 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	1, 133. 0 271. 4 113. 7 747. 9	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. 6 238. 0	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, regular	211.8	233, 6	243.8	242. 2	239. 9	240. 4	245. 6 . 496	249. 5 . 503	254. 5 . 510	258.9	261.2	260. 5	259. 6 . 515	257. 5	256.3 .513	255.8
(mid-month) \$ per gal Aviation gasoline: mil. bbl Production do Exports do Stocks, end of period do	13.7	13.3 .2 2.8	1.1 (1) 2.8	1.0 (1) 2.8	.484 .8 (¹) 2.8	.488 .7 (1) 2.6	1. 2 (1) 2, 6	1.1 (1) 2.6	1.3 (1) 2.8	1.4 (¹) 2.7			ĺ			
Kerosene: Production	1	55.7 12.5	4.9 14.4	6. 9 12. 5 323. 2	7. 9 10. 5 325. 6	7.1 11.7 339.2	5. 5 13. 6	3.8 14.1	3.7 15.0	4. 2 16. 8						

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.

of Includes small amounts of "other hydrocarbons and hydrogen refinery input," not shown separately. I Monthly revisions back to 1973 for bituminous coal and back to 1974 for petroleum and products are available upon request.

S-36		SUR	VEY	OF	CURI	KENT	r BU	SINE	55					J	anuary	7 1978
inless otherwise stated in footnotes below, data through 1974 and descriptive notes are as shown in	1975	1976 ₽	1976	·						197	7					
the 1975 edition of BUSINESS STATISTICS	Annı	ıal	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	PETR	OLEU	M, C	OAL,	AND	PRO	DDUC	TS	Conti	nued						
PETROLEUM AND PRODUCTS—Continued																
efined petroleum products—Continued Distillate fuel oil: mil. bbl Production. mil. bbl Imports‡ do Exports. do Stocks, end of period do	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	95. 9 4. 0 (2) 178. 9						
Price, wholesale (middle distillate) 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	337. 0 504. 0 511. 7 4. 2 72. 3	344. 3 47. 4 44. 2 . 5 73. 3	349. 8 54. 9 55. 5 .1 72. 3	359. 0 58. 6 49. 5 . 1 64. 7	369. 4 54. 6 54. 4 . 2 71. 4	377.8 53.2 43.9 .1 71.2	384. 0 50, 6 33. 7 . 1 70. 2	387. 0 51. 8 35. 5 2 73. 4	386. 8 51. 4 35. 4 .1 71. 9			388. 9	389. 1 		394.
Price, wholesale Index, 1967=100 Jet fuel: Production mil. bbl Stocks, end of period do	318. 0 30. 4	335. 8 32. 1	27. 6 33. 9	480. 4 27. 9 32. 1	492, 3 28, 4 30, 2	523, 1 27, 3 30, 5	533, 1 29, 6 30, 7	545. 9 29. 7 32. 4	30.4 33.6	29. 9 34. 7	510. 2	513, 6	512, 7		511.3	
Lubricants: Production do Exports do Stocks, end of period do	56. 2 9. 1 14. 3	61. 8 9. 5 12. 3	5. 4 .9 12. 3	5. 4 . 9 12. 3	5. 0 . 7 12. 3	4. 7 . 7 13. 0	5. 5	5.3 1.0 11.6	5.6 .9 11.4	5.3						
Asphalt: Productiondo Stocks, end of perioddo	144. 0 22. 8	139. 7 19. 4	11, 1 16, 7	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	561. 9 437. 4 124. 6 116. 3	47. 0 37. 1 9. 9 134. 2	48.3 37.8 10.6 116.3	46. 3 36. 3 10. 0 98. 9	42. 9 33. 5 9. 4 86. 5	10.2		49. 8 37. 4 12. 3 109. 9	10.9						
		PULP,	PAP	ER,	AND	PAPI	ER PI	RODU	CTS	, ,,,						
PULPWOOD AND WASTE PAPER					1											
ulpwood: Receipts. thous. cords (128 cu. ft.). Consumption.	65, 421	73, 583 73, 209 6, 805	5, 930 6, 069 6, 111	5, 897 5, 571 6, 445	5, 818 6, 373 6, 180	6, 176 6, 005 6, 247	6,562	6, 244 6, 436 6, 046		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		
Vaste paper: Consumptionthous, sh. tons Stocks, end of perioddodo	10, 367 731	12, 103 772	829 721	772 772	825 709	815 718		890 714	931 682	918 701	803 698	920 679	r 840 r 680	924 650		
roduction: Total, all gradesthous. sh. tons. Dissolving and special alphado. Sulfatedo. Sulfatedo. Groundwooddo. Defibrated or exploded, screenings, etcdo. Soda and semichemicaldo.	1,583 329,213 1,951	448, 804 1, 400 333, 615 2, 079 4, 797 (4) 33, 627	3, 966 138 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	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		
tocks, end of period: Total, all millsdo Pulp millsdo Paper and board millsdo Nonpaper millsdo	51 158	51, 344 5 656 623 65	1, 133 670 395 68	1, 344 656 623 65	1, 020 605 354 62	1, 045 593 390 63	1, 132 640 424	1, 132	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			
xports, all grades, total do Dissolving and special alpha do All other do	12,565 692 11,872	1 2, 518 730 1 1, 787	191 60 131	210 54 156	184 53 131	236 76 160		84	270 80 191	206 57 150	213 58 155	212 63 150	266 83 183	56	50	
nports, all grades, totaldo Dissolving and special alphado All otherdo	1 3, 078 140 1 2, 937	1 3, 727 188 1 3, 539	297 11 286	303 17 286	281 17 263	334 8 326	14	19	304 21 283	385 18 366	281 10 271	350 17 332	286 5 282	14	374 19 356	
PAPER AND PAPER PRODUCTS																
aper and board: Production (Bu. of the Census): All grades, total, unadjustedthous. sh. tons. Paper	23, 306 24, 452 115 4, 648	60, 043 26, 534 27, 960 130 5, 419	4, 912 2, 190 2, 280 10 432	8	2,222	2, 135 2, 168 7	2, 425 2, 502	2, 281 2, 399 8	2,357 2,509 9	2, 460	4,715 2,108 2,157 6 443	5, 416 2, 397 2, 475 9 535	72, 239	2, 348 2, 377 9		-
Book paper, A grade 1967=100 Paperboard do Building paper and board do	170, 3 127, 1	190. 4 138. 7	178. 5 141. 8			144.5		148.8	151.3	153.8	180, 6 157, 8		166.7	168.8	168.3	

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.

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					
through 1974 and descriptive notes are as shown in 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.				- "												
selected types of paper (API): Groundwood paper, uncoated:										i I						
Orders, newthous. sh. tons Orders, unfilled, end of perioddo	1, 245 172	1,300 151	95 150	103 151	99 131	98 134	106 138	113 142	112 151	120 167	112 168	121 178	107 180	110 173		
Shipmentsdo Coated paper: Orders, newdo	1, 189 7 3, 166	1, 278 3, 956	103 297	104 327	107 362	98 333	106 374	107 360	108 346	103 365	111 319	115 396	105 r 358	112 r 369	331	
Orders, unfilled, end of perioddo Shipmentsdo	7 313 7 3, 194	337 3, 981	345 338	337 332	363 331	369 331	363 382	388 343	387 350	383 365	383 317	400 383	r 408 r 357	r 394 r 372	376 360	
Uncoated free sheet papers: Orders, newdo Shipmentsdò	r 5, 481 r 5, 648	6, 354 7 6, 793	504 r 540	528 • 523	555 r 559	557 r 553	635 r 649	591 r 603	557 + 597	571 - 604	518 - 550	565 7621	542 + 580	r 578 r 627	559 597	
Unbleached kraft packaging and industrial converting papers:	7 0,010	. 0, 155	. 540	. 023	- 505	000	015	000	051	001	. 300	021	. 000	1 021	391	
Orders, newthous. sh. tons Orders, unfilled, end of perioddo									200							
Shipments dodo	7 3, 312 3, 979	r 3, 839 4, 186	315 359	300 340	320 363	324 340	350 374	307 360	330 371	331 37 4	292 342	323 r 373	322 7 340	332 366	305 360	
ewsprint: Canada:																
Production do Shipments from mills do Stocks at mills, end of period do do do do do do do do do do do do d	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	1
United States:	95	299			3/9	420		410		410	400	404	400	392		
Production do Shipments from mills do	3, 614 3, 613	3, 686 3, 678	322 321	282 289 29	323 312 41	291 285	333 321	306 299	323 324	330 333 59	307 306	336 331	293 300	332 334	322 327	
Stocks at mills, end of perioddo Consumption by publishers o do	6, 363	6, 534	36 595	29 575	529	47 483	58 572	64 563	63 599	59 556	60 524	65 539	58 561	55 628	51 620	
Stocks at and in transit to publishers, end of period thous. sh. tons	734	921	906	921	873	896	897	873	831	835	832	851	827	800	763	
Importsdo	5, 847	6, 569	662	594	468	500	599	495	530	608	483	558	532	552	610	
Price, rolls, contract, f.o.b. mill, freight allowed or deliveredIndex, 1967=100	184.0	198. 2	205.3	207. 6	209, 4	209, 4	216.7	216.7	216.7	216.7	216.7	216.7	216, 7	216.7	216.7	21
aperboard (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	
aper 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. \$	2,380.0 1,755.0	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	7 228. 0 7 185. 4	7 219.6 7 179.2	7 232. 5 7 189. 8	214. 2 171. 6	
**************************************	<u> </u>	RU	BBER	ANI	RUI	BBER	PRO	DUC	rs	•	,		,			<u></u>
RUBBER			[1							
fatural rubber: Consumptionthous. metric tons	669.97	730, 73	56.86	59.43	67, 27	68, 50	77. 57	68.60	67.66	72.06	57.43	73.47				
Stocks, end of perioddoImports, incl. latex and guayulethous. lg. tons	105, 38 656, 60	141. 84 712. 90	52.30	1 141.84 68.80	1119.92 70.19	1 127.04 55.61	123.77 82, 29	1 118.30 72.18	1119, 10 49, 98	1 123, 91 71, 16	1 126,72 72,86	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: Productionthous, metric tons	1,937.85	2, 303. 75	206.33	210. 92	203.95	193, 03	213. 07	204.80	211.45	201.84	191.32	198.83	205, 554			.
Consumption do Stocks, end of period do	2,022.43 369.86	2, 175. 26 458. 12	211.87	200.56 1458.12	216.92 1441.37	202.68 1 431.81	238. 09 1 407.62	200. 42 1 412.85	220, 14 1409,35	206. 75 1402. 18	159.78 1 430.43	210.53 1430.31				-
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	
leclaimed rubber: Production thous. metric tons Consumption do Stocks, end of period do	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 9.68 116.66	7. 02 9. 78 1 16. 26	6.75 9.40 113.99	7.34 8.83 114.78	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, 638	20,094	22, 640	20,087	19, 512	20, 734	15, 050	19, 495	19, 321	18, 926		_
Shipments, total	196, 295 47, 467 142, 706	210,702 60,138 145,869	16, 873 5, 419 11, 064	6, 241 9, 731	² 16,773 ² 5,835 ² 10,496	16, 609 4, 838 11, 282	21, 022 6, 423 14, 020	20, 530 5, 766 14, 313	19,790 5,828 13,501	22, 758 6, 511 15, 742	17, 177 4, 474 12, 298	18, 262 4, 425 13, 400	20, 558 5, 750 14, 383	20, 247 6, 124 13, 818		·
Exports	6, 122 50, 020 6, 124	4, 695 34, 768 4, 784	391 30, 200 397	494 34,768 519	² 442 ² 39,010 483	489 43, 212 546	579 45, 616 637	451 45, 832 618	461 46, 231 504	504 44, 887 525	404 43, 460 514	436 45, 229 448	425 44, 542 544	304 43, 841		
nner tubes, automotive:													1			
Production do_Shipments do_Stocks, end of period do_	32, 584 34, 581 9, 212	27.548 33,304	2, 461 2, 281	2,362 2,315 5,106												
Exports (Bu. of Census)do	3, 998	5, 106 3, 167	4, 912 249	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.

nless 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	Anr	nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	,	STON	E, CL	AY,	AND	GLAS	SS PF	RODU	CTS							
PORTLAND CEMENT		1														
hipments, finished cementthous.bbl CLAY CONSTRUCTION PRODUCTS	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	
hipments:‡ Brick, unglazed (common and face)																
Structural tile, except facingthous. sh. tons Sewer pipe and fittings, vitrifieddo Facing tile (hollow), glazed and unglazed	79.5	7,034.4 71.0 1,097.8	617. 0 3. 7 86. 4	489. 4 4. 3 62. 5	296. 6 2. 6 45. 5	437. 9 3. 4 65. 8	687. 8 3. 4 102. 3	727. 3 4. 3 107. 2	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	4.0		
mil. brick equivalent. Floor and wall tile and accessories, glazed and	73.4	64.8	4.7	4.3	3.3	2.9	5. 5	5.6	5, 6	5.8	5. 3	5. 3	6.4	5. 6		
unglazed mil. sq. ft. rice index, brick (common), f.o.b. plant or N.Y. dock 1967=100	251. 7	276. 7 177. 0	23. 1 184. 6	21. 7 185. 9	18.9 188. 2	21. 6 191. 6	22. 6 194. 8	22. 8 195. 8	23. 8 198. 2	25. 9 201. 4	22. 7 207. 8	27. 9 209. 2	7 26. 9 212. 2	25. 8 214. 2	215. 7	215.
GLASS AND GLASS PRODUCTS									 					1		
lat glass, mfrs.' shipments thous. \$ Sheet (window) glass, shipments do Plate and other flat glass, shipments do	76 220	644, 751 101, 739 543, 012		171, 412 24, 532 146, 880			165,553 (⁵) (⁵)]			
llass containers: Production: thous, gross	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	r 25, 842	26,825	
Shipments, domestic, total do	1	292,345	21,804	22,943	22, 177	22,456	34,176	21, 161	23, 869	26,526	24,472	35, 382	23, 828	21,577	23, 530	
Food do Beverage do Beer do Liquor and wine do	64, 418	25,727 65,093 81,938 22,674	1,486 4,926 5,925 1,986	1,727 5,736 6,070 2,004	2,244 4,352 5,909 1,813	2, 115 4, 608 5, 890 1, 709	3,060 7,142 9,074 2,849	1,567 4,521 7,670 1,630	1, 925 5, 450 8, 452 1, 787	2, 155 6, 697 8, 794 1, 939	1,633 6,218 8,434 1,551	3, 289 8, 451 10, 179 2, 685	1, 987 4, 902 7, 574 1, 821	7 1,482 7 4,429 7 6,515 7 1,978	1,620 5,054 6,613 2,287	
Wide-mouth containers: Food (incl. packer's tumblers, jelly glasses, and fruit jars) † 0thous. gross_		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	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	1	42,800	45,039	42,800	41,932	43,266	36,408	40, 414	41,613	42,077	43,019	37, 253		738, 433	41, 504	
GYPSUM AND PRODUCTS								ì								
Production: Crude gypsum (exc. byproduct)_thous.sh.tons_Calcineddo		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			
mports, crude gypsumdo	- 5, 448	6, 231	572	591	533	284	541	515	565	771	600	792	720			
ales of gypsum products: Uncalcineddo	1 4,878	5,030	445	476	312	276	348	459	502	572	528	585	566			
Calcined: Industrial plasters	1	305	27	23	23	22	28	27	27	26 13	24	25 12	30 12			İ
All other (incl. Keene's cement)do	- 360	162 329	27	11 23	20	10 22	14 27	12 25	25	29	10 27	32	28			
Board products, total mil. sq. ft Lath .do Veneer base .do Gypsum sheathing .do Regular gypsum board .do	182	184 362 1 272	1, 135 14 32 24	1, 165 15 31 23	949 11 23 19	1,029 12 24 20	1,382 17 38 30	1, 201 13 29 28	1, 281 17 35 26	1,380 15 40 31	1, 262 14 36 23	1, 421 17 41 24	1, 333 10 39 25			
Regular gypsum boarddo. Type X gypsum boarddo Predecorated wallboarddo	_ 1, 790	1 2, 029	876 174 15	900 183 13	723 160 13	799 161 14	1,061 214 21	917 190 24	26 981 202 19	1,055 219 20	23 970 198 20	1, 102 217 20	1, 032 206 22			
			T	EXTI	LE P	ROD	UCTS	,								
FABRIC (GRAY)																
Init fabric production off knitting machines (own use, for sale, on commission), qtrly*mil. lb. Initting machines active last working day*_thous_	1,955.8 47.1	1, 790. 9 43. 5		402.3 43.5			7 419. 4 7 35. 7			⁷ 454. 3 ⁷ 35. 6						
Voven fabric (gray goods), weaving mills: Production, total \(\text{\$\cdots} \)mil. linear yd_ Cottondo	9,777 4,326	10, 448 4, 450	769 327	2 923 2 371	781 344	817 352	² 1, 057 ² 448	792 341	820 348	² 1, 027 ² 432	613 251	785 315	2 953 2 387			
Manmade fiberdo Stocks, total, end of period 9 ofdo	5,356 1,099	5, 913 1, 203	436 1, 203	² 545 1, 203	431 1,210	457 1, 213	² 600 1, 196	443 1,180	471 1, 153	² 585 1, 212	356 1,205	462 1, 118	2 558 1, 062			
Cottondo	489	431 767	429 770	431 767	426 778	425 781	425 766	415 760	391 767	388 817	380 819	365 748	345 712			
Cottondo	_ 2,590	1,830 789 1,008	1,912 796 1,086	1,830 789 1,008	1,766 772 993	1,770 753 1,017	1,991 869 1,081	2,113 921 1,149	1,980 846 1,134	794	1,839 765 1,074	1,722 698 1,023	1,728 742 985			.
COTTON Cotton (excluding linters):	ļ				ļ											
Production: Ginnings thous. running bales Crop estimate thous. net weight bales ① Consumption thous. running bales	38,301.6	10,580.6	7,658 501	9,887	10, 251 510	528	410, 348 410,580.6 2 653		507	2 616	85	695 492	2, 366 2 606		6 14,385.8	8
Consumption thous. running bales. Stocks in the United States, total, end of period ? thous. running bales.	_ 9.544	9, 610	10, 297	9, 610	8,716	7, 819	6, 642	5,570	4, 571	3, 496	2, 920	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 1,152	1, 247 7, 377 957	10, 266 3, 498 5, 912 856	9, 581 1, 247 7, 377 957	8, 689 1, 009 6, 709 971	7, 793 944 5, 777 1, 072	787 4,707 1,124	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	7,608 6,219 844		-
r Revised. P Preliminary. Annual total; quarters. Data cover 5 weeks; other months 4 Crop for the year 1976. Beginning 1st Qtr 1987, stimate of 1977 crop. Beginning 1st Qtr 1977, and collars; not comparable with earlier data.	revisions i s, 4 weeks	not alloca s. 3 Cre	ted to th	e month ie year :	is or 1975.	Mar	1075 for a	rlace oon	tainare u	rill ha sh	OWN 19te	r Ol	neliides (iaia not	ucts and shown se	Darau
⁴ Crop for the year 1976. ⁵ Beginning 1st Qtr 1 stimate of 1977 crop. ⁷ Beginning 1st Qtr 1977,	1977, data data exclu	no longer ide garme	available nt length	s, trimn	ec. 1 ning,	0.5	tocks (o	wned by	weaving	g mills a	nd billed	l and he	ld for ot lenims.	hers) exc	clude bed	isheeti rodusi
ond collars; not comparable with earlier data. ①Bales of 480 lbs. ①Includes data for "dairy"		,				٩U	nfilled of	rders cov	er wool a	ipparel (i	ınçı ud ing	polyeste	r-W001)	umsned 1	abrics; p sheeting,	towact

Unless otherwise stated in footnotes below, data	1975	1976	1976		1977											
through 1974 and descriptive notes are as shown in the 1975 edition of BUSINESS STATISTICS		nual	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TEXTILE PRODUCTS—Continued										<u> </u>						
COTTON AND MANUFACTURES—Con.	T	T	1	T	Ţ	1	1	1	1	T	1	I	T		1	1
Cotton (excluding linters)—Continued Exportsthous. running bales	3,840	3, 431	265	376	354	509	536	548	400	462	282	181	200	149	333	
Imports thous. net-weight bales Price (farm), American upland cents per lb	50 1 51, 1	96 64. 7	65. 2	63.1	62.3	63. 9	69.8	67.8	67.2	61.1	63. 1	60.9	59.1	53. 1	7 51. 4	p 48.8
Price, Strict Low Middling, Grade 41, staple 34 (11/16"), average 10 marketscents per lb_	1	773, 4	76.5	73.1	67.0	72. 2	75.8	73.7	70.6	61.1	58.2	52, 5	49.3	49.1	48.0	
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 doSpindle hours operated, all fibers, totalbil.	8.0 93.2	7.5 105.6	7.4 7.8	7.5 2 9.0	7. 4 8. 0	7. 3 8. 2	7. 2 2 10. 3	7.1 8.2	7. 0 8. 3	7.0 2 10.2	6.7	6. 8 8. 1	6.8	6. 8 8. 2		
Average per working daydoConsuming 100 percent cottondo	. 352 46.5	48.1	. 390 3. 4	. 359 24.0	3.5	. 412 3. 5	.413 2 4. 4	3.5	. 417 3. 5	. 406 2 4. 2	. 334 2. 8	. 405 3. 3	7. 392 2 4. 1	3.4		
Cotton cloth: Cotton broadwoven goods over 12" in width:	1.005	- 4 710		7 1, 129			1,207			1, 147						
Production (qtrly.)mil. lin. yd_ Orders, unfilled, end of period, as compared with avg. weekly productionNo. weeks' prod_	4, 095 3 12, 3	7 4,718 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	
Inventories, end of period, as compared with avg. weekly production	\$5.9	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	
Ratio of stocks to unfilled orders (at cotton mills). end of period	3.50	3 . 36	. 43	.42	.42	. 44	.39	.38	.41	.40	.42	.44	.38			
Exports. raw cotton equiv thous. net-weight() bales Imports, raw cotton equivalent do	488. 3 487. 1	556. 0 718. 3	45. 6 57. 7	53. 2 52. 4	42. 8 47. 7	51. 6 50. 2	47. 1 46. 9	47. 2 41. 2	36.9 43.7	36.5 44.2	29. 4 39. 6	31.0 42.7	40. 2 48. 1	24.8 35.5	$\frac{26.3}{32.3}$	
MANMADE FIBERS AND MANUFACTURES	401.1	/10. 0	"	02.1	71.1	00.2	10.0	11.2	10.1	71.2	00.0	12.				
Fiber production, qtrly: Filament yarn (acetate)mil. lb	301.3	286.9	<u> </u>	60.3			71.9			74.8			69.7			
Staple, incl. tow (rayon)do Noncellulosic, except textile glass:	370.9	475.4		121.4			135. 5			136.7			132.7			
Yarn and monofilaments do Staple, incl. tow do	2,676.8	3, 286. 5		829.9 833.3			882.3 892.0			981. 8 931. 7			923. 4 898. 7			
Textile glass fiberdo Fiber stocks, producers', end of period:	546.5	676.0		176.1	ŀ				İ	193.2		1	208. 9	1		
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			356. 0 315. 2			
Textile glass fiberdo Manmade fiber and silk broadwoven fabrics:	101.7			79. 4						301. 0 57. 6						
Production (4trly.), total?mil. lin. yd_ Filament yarn (100%) fabrics?do	5, 278. 3 1, 688. 0	6,092.4 1,984.4		1,458.8 467.7			1,553.8 497.9			1, 569. 1 510. 8						
Chiefly rayon and/or acetate fabrics do Chiefly nylon fabrics do	325.3 279.0	378.2		96.4			94.0			93. 4 97. 9			l			l
Spun yarn (100%) fab., exc. blanketing Q.do Rayon and/or acetate fabrics, blendsdo	3, 036. 5 172. 4	53,500.4		840. 0 42. 6			899.8			907. 4 74. 6						
Polyester blends with cottondo Filament and spun yarn fabricsdo	2, 3 59. 5 257. 1	2,713.2 320.5		647. 8 83. 8			694.1 88.3			675.7 84.4						
Manmade fiber gray goods, owned by weaving mills:	, 10	, , ,	20	40	45	40			40			40	40			
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			
		8.416	. 414	. 409	. 398	. 385	. 389	. 400	. 399	.388	.396	. 393	. 405	. 424	. 441	. 438
45", 128x72, gray-basis, wh. permpresfin. \$\permspressin.		. 725	.760	. 768	. 771	. 759	.760	. 764	. 765	. 754	. 750	. 750	. 741	.741	.727	. 727
Manmade fiber knit fabric prices, f.o.b. mill:* 65% acetate/35% pylon tricot, gray, 32 gauge, 54"						'										
3.2 oz./linear yd \$per yd. 100% textured polyester DK jacquard, 11 oz./ linear yd., 60", yarn dyed, finished\$ per yd Manmade fiber manufactures:		. 412	. 341	. 343	. 345	. 350	. 383	.419	. 420	. 446	. 450	.440	438	.445	. 435	. 435
Inear yd., 60", yarn dyed, finished\$ per yd Manmade fiber manufactures:	800 50	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
Yarn, tops, thread, clothdo	323. 73 188. 43	352. 17 201. 92	31. 33 18. 12	32. 12 18. 95	27. 67 16. 50	30. 77 18. 97	34, 18 20, 02	32. 02 18. 07	31.77 18.34	31.55 17.59	29. 36 15. 82	27. 08 13. 92	35. 02 18. 55	25. 81 14. 11	27. 50 14. 64 9. 97	
Cloth, woven Manufactured prods., apparel, furnishings.do	142. 89 135. 30	139, 17 150, 25	11. 83 13. 21 40. 68	11. 65 13. 17 34. 55	10.64 11.16	10. 56 11. 79 32. 55	11.82 14.17	11.68	11. 22 13. 43	11. 19 13. 96 7 59. 03	9.42	9. 36	11.88 16.48 51.85	9.60 11.63 746.69	12.86 37.57	
Imports, manmade fiber equivalent do Yarn, tops, thread, cloth do Colth work and do	400. 38 69. 23 54. 02	479. 32 83. 82	7. 45 5. 64	7. 53 5. 66	34. 20 7. 57 5. 25	7. 38 4. 40	9. 19	7 36. 29 7. 50 4. 95	* 43. 86 8. 72 5. 18	9.98 5.81	7 54. 82 10. 36 5. 74	7 55. 44 13. 05	r 10. 91 6. 56	9. 31 5. 76	6.09 4.14	
Cloth, wovendo Manufactured prods., apparel, furnishings_do Apparel, totaldo	331. 14 289. 00	64.41 395.49 343.25	33. 22 28. 61	27. 02 22. 58	26. 63 22. 59	25. 17 21. 50	5. 15 27. 81 23. 18	* 28. 80 * 24. 22	7 35. 14 7 30. 83	r 49.06 r 43.31	7 44. 46 7 39. 96	7.87 r 42.39 r 37.13	r 40. 95 r 36. 34	7 37. 38 7 32. 68	31. 48 27. 22	
Knit appareldo	194. 89	209. 80	17. 42	11.42	11.81	11. 49	7 13, 65	7 14. 47	r 19. 73	r 27. 52	r 24. 76	r 22. 94	r 21. 96	r 20. 13	16. 28	
WOOL AND MANUFACTURES Wool consumption, mill (clean basis):			ļ													
Apparel class mil. lb Carpet class do Vool imports, clean yield do	94. 1 15. 9	106.7 15.1	6. 9 1. 3	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 4.0	7. 4 1. 1	² 8, 6 ² 1, 1	8.4		
Duty-free (carpet class) do	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	$\begin{array}{c c} 7.4 \\ 2.6 \end{array}$	7. 4 2. 5	4.0 1.9	4.7 1.5	2. 4 . 6	2. 2 . 3		
U.S. mills: o]	l														
Domestic-Graded territory, 64's, staple 234" and up cents per lb	150. 2	182.1	192.5	187.5	187.5	187.5	182.5	182.5	182.5	182.5 226.3	182.5	182, 5 224, 0	182, 5 227, 0	182.5 227.0	182. 5 230. 5	182.0
Australian, 64's, Type 62, duty-paid do	205. 8 78. 9	6 217. 5	224.0	227. 3 21. 9	229. 0	227, 3	227. 6 26. 2	228.3	228.0	27.1	227.0	224. 0	227.0	221.0	200.0	226.5
FLOOR COVERINGS	10.0	97.3		21.0			20.2									
Carpet, rugs, carpeting (woven, tufted, other), shipments, quarterlymil. sq. yds.	834. 0	7 921. 1		232, 6			224, 9			r 248. 4			244.5			
APPAREL	302.0	·· 1		202.0			an 6a Tap ₹						-11.0			
Vomen's, misses', juniors' apparel cuttings:* Coatsthous. units	20, 876	20, 689	1,902	1,406	1, 187	1, 185	1,087	1,078	1, 285	1,744	1,524	7 2, 044	1,974	1, 912		
Dresses doSuits (incl. pant suits, jumpsuits) do	174,695 34,468	170,744 34,050	12,592	10,353 3,144	13,473 3,402	15,114 3,448	18,524 3,488	16,570 2,697	14,317 3,064	14,533 3, 019	11,486	13,687	12,827 $2,803$	2,996		
Blousesthous. dozen Skirtsdo	18, 971 4, 692	19,735 4,929	1,605 415	1,627 312	1,540 450	1,540 443	1,829 568	1,765 481	1,647 474	1,748 466	1,320 373	7 1, 706 7 477	1,632 425			
t Pariend a Dualiminant 1 Conservation								_								T2

^{**}Revised. ***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 "all other group," not shown separately). ** Avg. 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). ** O Net-weight (480-lb.) bales.

The color 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	1976		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: Suits‡thous. units. Coats (separate), dress and sport‡do. Trousers (separate), dress and sport‡do. Slacks (jean cut), casual ‡thous. doz. Shirts, dress, sport, inc. knit outerwear ‡do. Hosiery, shipmentsthous. doz. pairs.	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		22, 284	
	220,011				<u> </u>	ON E	1	<u> </u>	<u> </u>	21,010	20,020		, 200			
	1		I		I	//\ E\ 	VOIL!	NEN	<u> </u>							<u> </u>
AEROSPACE VEHICLES Orders, new (net), qtrly, totalmil. \$	28, 995	35, 991		11,029			6, 554			9,719						
U.S. Government do Prime contract do Sales (net), receipts, or billings, qtrly, total do U.S. Government do .	18,593 26,647	21, 056 32, 390 30, 363		6, 956 9, 658 7, 485 5, 099			4, 069 5, 692 7, 588 4, 950			5, 309 8, 967 8, 537 5, 185						
Backlog of orders, end of period \$\to\$ do	35, 038 22, 168 15, 389 3, 503	39, 682 22, 121 17, 321 3, 558		39,682 22,121 17,321 3,558			38, 668 23, 260 16, 071 3, 733			39,850 23,384 17,750 3,614						
sion units, and parts	6, 415 4, 071	6, 286 5, 542		6, 286 5, 542	ļ		6,000 5,654			5, 741 5, 657	1					1
Aircraft (complete): do Shipments. do Airframe weight. thous. lb Exports, commercial mil. \$	4,967.6 60,480 13,200	4, 646. 8 50, 314 1 3, 207	431. 6 4, 037 223. 0	529. 5 5, 405 420. 6	210. 8 2, 498 69. 6	217. 9 2, 794 63. 7	411. 6 4, 254 286. 8	374.7 4,007 267.9	458. 3 5, 578 218. 7	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	
MOTOR VEHICLES (NEW)					}											
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	1		766. 1 701. 5 840 721 119 9. 8 8. 1 1. 7	732. 7 679. 1 807 695 112 11. 3 9. 7 1. 6	683. 7 635. 8 725 602 123 10. 5 8. 8	675. 7 625. 8 811 666 144 11. 0 9. 1	953. 1 871. 5 1, 084 896 189 12. 2 10. 3 1, 9	815. 5 741. 5 1,029 822 207 11. 8 9. 4 2. 5	868. 3 794. 0 1,054 834 220 11. 5 8. 9 2. 5	951. 4 885. 4 111. 7 920 198 11. 7 9. 6 2. 1	679. 5 645. 2 913 731 182 10. 9 8. 7 2. 2	505. 4 473. 5 931 727 204 11. 5 9. 4 2. 1	738. 9 671. 2 829 657 172 10. 5 8. 6 1. 9	1,014 870 144 11.0 9.1 1.8	881 738 144 10.5 8.4 2.1	² 648. 3 ^p 795 646 ^p 149 ^p 11. 5 9. 3 ^p 2. 2
Retail inventories, end of mo., domestics:△ Not seasonally adjustedthous Seasonally adjusted†do Inventory-retail sales ratio, domestics△†	1,419 1,460 2.6	1, 465 1, 512 2, 1	1, 423 1, 455 2. 2	1, 465 1, 512 1, 9	1,594 1,532 2,1	1, 645 1, 539 2, 0	1,697 1,578 1.8	1, 697 1, 583 2. 0	1,747 1,602 2,2	1,806 1,627 2.0	1, 763 1, 751 2. 4	1, 563 1, 668 2, 1	1,669 1,718 2.4	1, 629 1, 683 2. 2	1,709 1,718 2.4	1,731 1,794 2,3
Exports (BuCensus), assembled carsthous. To Canadado Imports (BuCensus), complete unitsdo From Canada, totaldo. Registrations©, total new vehiclesdo Imports, 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 4726, 0 4110, 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 Domesticdo	2, 272 2, 003	2,979 2,734	242. 4 222. 3	243.3 221.5	251.8 230.9	261, 8 241, 2	334. 8 307. 3	288. 4 266. 2	290. 4 269. 2	316, 2 290, 9	264. 6 245. 4	274. 4 256. 9	305. 4 280. 3	2 323.9	2 286. 8	
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	2,076.0 168.9 106.1	2, 762. 8 161. 7 119. 6	221. 4 12. 6 10. 5	243. 2 12. 7 10. 5	263. 0 14. 1 13. 0	270. 6 14. 4 12. 8	290. 9 17. 0 14. 0	263. 0 14. 4 14. 4	240. 5 14. 3 15. 3	252. 9 15. 1 14. 8	224. 4 13. 7 13. 7	261. 3 13. 3 14. 6	248. 9 12. 7 14. 0	280. 6 15. 0 15. 3	270. 8 13. 5 14. 5	295. 3 14. 1 12. 9
Retail inventories, end of period, seasonally adjusted* Exports (BuCensus), assembled unitsdo. Imports (BuCensus), including separate chassis and bodiesthous. Registrations⊙, new vehicles, excluding buses not	485.7 223.47 466.28	546. 4 199. 63 812. 83	549. 3 14. 67 67. 54	551. 4 18, 26 64. 09	563. 5 17. 11 67. 27	555. 5 14. 99 68. 54	568. 2 20. 18 77. 55	565. 3 15. 46 75.56	585. 6 18. 63 68. 94	590. 1 19. 55 64. 49	630. 0 19. 10 52. 53	676. 5 15. 48 58. 75	689. 4 14. 95 62. 20	719. 5 15. 68 78. 27 4 282. 6	735. 6 16. 52 67. 02 270. 9	
produced on truck chassisthous Truck trailers and chassis, complete (excludes detachables), shipmentsnumber Vansdo Trailer bodies (detachable), sold separatelydo	78, 296 43, 596 18, 072	105, 401 61, 726 7, 316	10, 223 6, 125 504	9,548 5,617 822	8,756 5,552 625	11,145 7,057 746	3 273. 6 13,203 8,429 420	12,788 8, 256 450	\$ 305. 4 13, 547 8, 205 753	318.0 14,856 8,560 679	3 298. 4 12, 785 7, 343 564	5 313. 4 15, 184 9, 598 653	7 15, 296 7 9, 728 605	15, 038 9, 523 576		
Trailer chassis (detachable), sold separately_do	2, 936	5, 678	1, 199	1,148	1,565	1, 447	1,349	1,606	1,744	1,519	1,035	1, 761	2, 222	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	4, 103 3, 680 2, 494 2, 494 24, 839 20, 077	4,774 4,293 3,462 3,061 23,415 18,733	3, 401 3, 048 4, 291 3, 891 24, 202 19, 463	3, 344 2, 852 3, 548 3, 448 24, 316 19, 969	5, 321 4, 834 3, 578 3, 578 22, 642 18, 782	3, 604 3, 327 3, 956 3, 956 22, 703 19, 120	4, 982 4, 459 6, 334 6, 234 24, 082 20, 922	4, 899 4, 582 7, 461 7, 286 26, 663 23, 545	3, 432 3, 146 6, 073 6, 073 29, 411 26, 579	4. 370 3, 887 4, 412 4, 412 29, 216 26, 867	5, 232 4, 699 5, 376 4, 976 29, 343 27, 127	3, 896 3, 452 5, 673 3, 173 30, 973 26, 701	4, 009 3, 477 4, 053 4, 053 30, 757 27, 017	
Freight cars (revenue), class 1 railroads (AAR): \(\) Number owned, end of periodthous. Held for repairs, \(\% \) Capacity (carrying), total, end of momil. tons. Average per cartons.	1, 359 8. 6 99. 09 72. 89	1, 332 8, 8 97, 71 73, 37	1, 339 8, 9 99, 08 74, 01	1,332 8.8 97.71 73.37	1, 328 8, 9 98, 63 74, 27	1, 324 8. 9 99, 43 72, 91	1, 323 8. 8 98. 48 74. 36	1,319 8,9 98,22 74,46	1,312 8,9 97,91 74,62	1,310 8,6 97,96 74,75	1, 305 8. 7 97. 67 74. 85	1,302 8.6 97.56 74.94	1, 299 8, 7 97, 46 75, 05	1, 294 8, 7 97, 19 75, 13		

r Revised. Preliminary. Annual total includes revisions not distributed by months. Estimate of production, not factory sales. Excludes 2 States. Excludes 3 States.

Annual figures, "Apparel 1975," MA-23A(75)-1. Survey expanded and classification changed; not comparable with data prior to 1974.

Total includes backlog for nonrelated products and services and basic research. Seas. 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.

Domestics 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.

- INDEX TO CURRENT BUSINESS STATISTICS, Pages S1-S40

SECTIONS	Earnings, weekly and hourly	National defense expenditures
General:	Eggs and poultry. 3, 8, 9, 29 Electric power . 4, 9, 26	National parks, visits
Business indicators	Electrical machinery and equipment 5-7, 9, 14, 15, 20, 23, 24, 34	New York Stock Exchange, selected data 21, 22 Nonferrous metals
Commodity prices	Employee-hours, aggregate, and indexes	Noninstallment credit
Labor force, employment, and earnings 13-17	Expenditures, U.S. Government 19 Explosives 26	Oats
Finance	Exports (see also individual commodities) 1, 3, 22-24	Oils and fats. 9, 23, 29, 30 Orders, new and unfilled, manufacturers' 7 Ordnance. 14, 15
Industry:	Failures, industrial and commercial	Paint and paint materials 9,26
Chemicals and allied products 25, 26	Farm wages	Paper and products and pulp
Electric power and gas	Federal Government finance	Parity ratio
Leather and products	Federal Reserve member banks	Passports issued
Lumber and products	Fire losses 11 Fish 29	Personal income. 2, 3 Personal outlays. 2
Metals and manufactures	Flooring, hardwood	Petroleum and products
Pulp, paper, and paper products 36, 37	Food products 1, 4, 6, 8, 9, 14-16, 20, 22, 23, 27-30	Petroleum and products. 4, 6, 8, 9, 14, 15, 20, 23, 35, 36 Pig iron. 31, 32
Rubber and rubber products	Foreign trade (see also individual commod.) 22-24	Plant and equipment expenditures. 2 Plastics and resin materials 26
Textile products	Freight cars (equipment)	Population
Transportation equipment	Fuel oil	Poultry and eggs. 3, 8, 9, 29 Price deflators, implicit, GNP. 2
	Furnaces	Prices (see also individual commodities)
INDIVIDUAL SERIES	THE PROPERTY OF STATE	Private sector employment, hours, earnings 13-16 Profits, corporate
	Gas, output, prices, sales, revenues	Public utilities
Advertising	Gasoline	Pulp and pulpwood
Agricultural loans	Glycerin	Radio and television
Air conditioners (room) 34 Aircraft and parts 7,40	Grains and products	Railroads
Alcohol, denatured and ethyl	Gross national product	Ranges
Aluminum	Gross private domestic investment	Real estate
Apparel	Sypsum and produces	Recreation. 8 Refrigerators. 34
	Hardware stores	Registrations (new vehicles) 40 Rent (housing) 8
Banking	Heating equipment 9,34 Hides and skins 9,30	Retail trade 5, 7, 12-16, 18
Battery shipments 34 Beef and yeal 28	Highways and roads. 10, 11 Hogs. 28	Rubber and products (incl. plastics)
Beverages	Hogs. 28 Home electronic equipment. 9 Home Loan banks, outstanding advances. 11	
Bonds, issued, prices, sales, yields	Home mortgages. 11 Hosiery. 40	Saving, personal
Brick	Hotels and motor-hotels 25 Hours, average weekly 15	Securities issued
7, 11, 31, 38 Building costs. 10, 11	Housefurnishings	Services
Building permits. 10 Business incorporations (new), failures. 7	8, 9, 12, 34	Shoes and other footwear
Business sales and inventories	Housing starts and permits	Soybean cake and meal and oil
	Imports (see also individual commodities) 1, 3, 23, 24	Steel (raw) and steel manufactures 23, 31, 32 Steel scrap 31
Cement and concrete products	Income, personal	Stock market customer financing 20
Cereal and bakery products	Industrial production indexes: By industry	Stock prices, earnings, sales, etc
Cheese. 27 Chemicals 4, 6, 9, 14–16, 20, 23, 25, 26 Cigarettes and cigars. 30	By market grouping4	Sulfur. 25
Cigarettes and cigars	Instruments and related products 5, 6, 14, 15	Sulfuric acid
Coal	Insurance, life	Tea imports
Coffee	International transactions of the United States 3 Inventories, manufacturers' and trade 5-7, 11, 12	Telephone and telegraph carriers
Coke. 35 Combustion, atmosphere, heating equipment. 34 Communication 2, 20, 25	Inventory-sales ratios	Textiles and products 4.6, 9, 14-16, 20, 23, 38-40
Confectionery, sales		Tin
Contracts	Labor advertising index, stoppages, turnover 16 Labor force	Tohacco and manufactures. 4, 6, 8, 14, 15, 30 Tractors. 34 Trade (retail and wholesale). 5, 11, 12, 14-16
Employment, unemployment, hours, earnings. 13-16 Fixed investment, structures	Lamb and mutton	Teaneit lines urban 24
Highways and roads 10, 11	Lead	Transportation 1, 2, 8, 14–16, 20–22, 24, 25 Transportation equipment 5–7, 14, 15, 20, 40
Housing starts	Life insurance	Travel
New construction put in place	Loans, real estate, agricultural, bank (see also Consumer credit). 11, 17, 18	Trucks (industrial and other) 34, 40
Consumer expenditures	Lubricants	Unemployment and insurance
Consumer Price Index 8 Copper 33		U.S. Government bonds. 17-21 U.S. Government finance. 19
Corn	Machine tools	U.S. International transactions
Cotton, raw and manufactures	Mail order houses, sales	34
Credit, short- and intermediate-term	Manufacturers' sales (or shipments), inventories, orders5-7	Vacuum cleaners. 12, 13 Variety stores. 23, 29, 30 Vegetable oils 23, 29, 30
Crude oil. 4, 35 Currency in circulation. 20	Manufacturing employment, unemployment, production workers, hours, earnings	Vegetable onls 8,9 Vegetables and fruits 8,9 Veterans' unemployment insurance 17
Dairy products	Manufacturing production indexes	Wages and salaries
Debts, bank. 17 Debts, U.S. Government. 19	Meat animals and meats 3, 8, 9, 22, 23, 28, 29 Medical and personal care. 8	Washers and dryers
Deflators, GNP	Metals	Wheat and wheat flour
Deposits, bank 17, 20 Dishwashers 34	Mining and minerals	Wholesale trade. 5, 7, 11, 14–16 Wood pulp. 36
Disputes, industrial 16 Distilled spirits 27	Money supply	Wool and wool manufactures
Dividend payments, rates, and yields 2, 3, 20, 21 Drugstores, sales	Motor carriers	Zinc
3a		

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OFFICIAL BUSINESS



POSTAGE AND FEES PAID

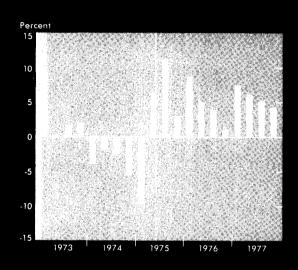
U.S. DEPARTMENT OF COMMERCE

Second Class Mail

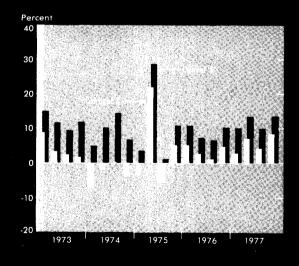
In the fourth quarter

- 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

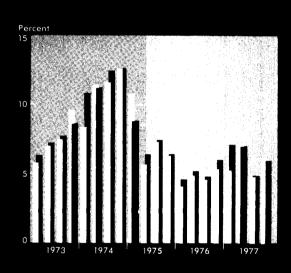
Real GNP



Disposable Personal Income



GNP Prices



Corporate Profits With IVA and CCAdj

