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FEDERAL RESERVE

INDUSTRIAL PRODUCTION

G.12.3

For immediate release
January 17, 1978

Industrial production increased by an estimated 0.2 per cent in December compared with revised increases of 0.4 per cent in November and 0.2 per cent in October. The December increase in the index would have been twice as large if it were not for the nearly 50 per cent cut in bituminous output due to the coal strike.

Moderate increases were registered in most market groupings of the index, including home goods, consumer nondurable goods, business equipment, construction supplies, and durable and nondurable goods materials. The December index, at 139.6 per cent of the 1967 average implies a preliminary annual average for 1977 of 137.1 per cent, up 5.6 per cent from the previous year.

Products. Output of consumer goods increased 0.3 per cent, reflecting moderate increases in home goods and nondurable consumer goods such as food, staples, and clothing. In response to weaker than expected sales, auto assemblies were reduced to an 8.9 million unit annual rate from a 9.1 rate in November. First quarter assemblies are also currently scheduled in this range. Production of business equipment is estimated to have increased 0.4 per cent in December, following smaller rises over the previous two months; a small portion of this increase is attributable to partial resumption of production in strike-affected aerospace industries. Output of intermediate products, which includes construction and business supplies, advanced 0.9 per cent further.

Materials. Output of total materials declined 0.1 per cent in December, as production of energy materials was reduced more than 3 per cent due to the coal strike. Both durable and nondurable goods materials increased moderately further.

INDUSTRIAL PRODUCTION: SUMMARY (Seasonally Adjusted)

Indexes, 1967=100	1977				Per cent changes		
	Sept.	Oct.	Nov. (p)	Dec. (e)	Month ago	Year ago	QIII to QIV
Total	138.5	138.8	139.3	139.6	.2	5.0	.6
Products, total	138.8	138.9	139.3	140.0	.5	4.9	.6
Final Products	136.8	136.6	137.0	137.6	.4	4.6	.4
Consumer Goods	144.9	145.2	145.7	146.2	.3	3.5	.5
Durable Goods	155.6	157.2	155.6	155.9	.2	3.6	.1
Nondurable Goods	140.7	140.5	141.6	142.2	.4	3.3	.6
Business Equipment	152.1	152.3	152.7	153.3	.4	7.7	.9
Intermediate Products	146.5	147.0	147.9	149.2	.9	6.2	1.2
Construction Supplies	143.2	144.4	146.0	147.1	.8	8.6	2.7
Materials	137.9	138.8	139.2	139.1	-.1	5.4	.7

p--preliminary

e--estimated



FEDERAL RESERVE

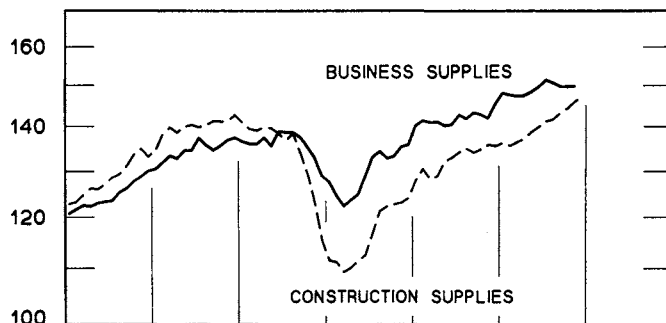
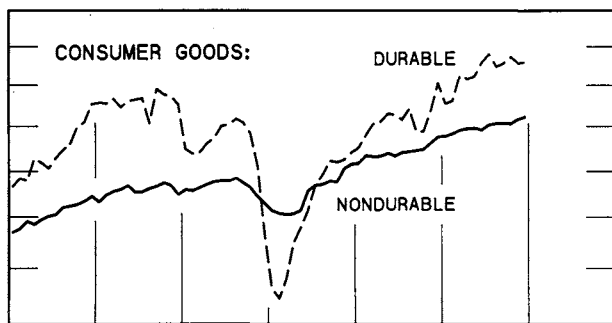
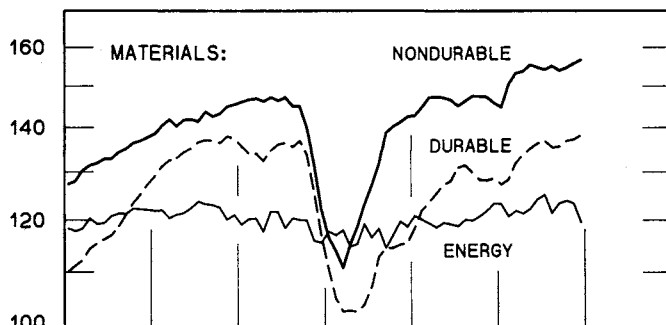
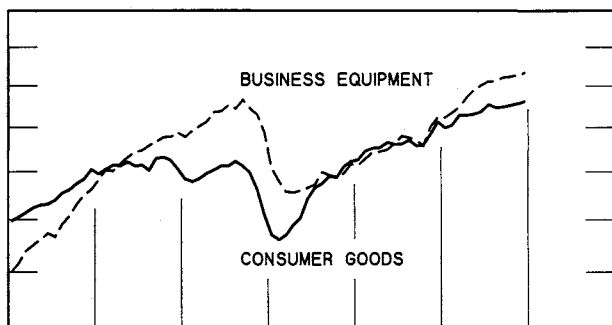
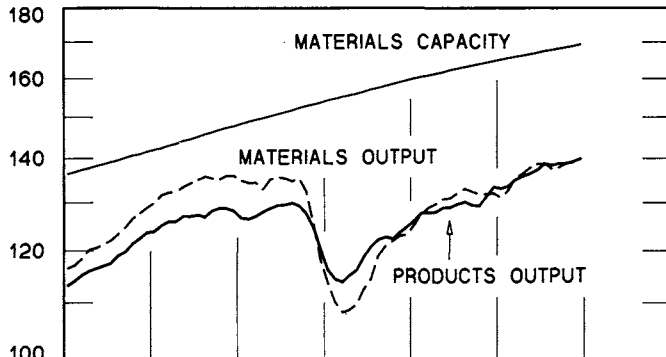
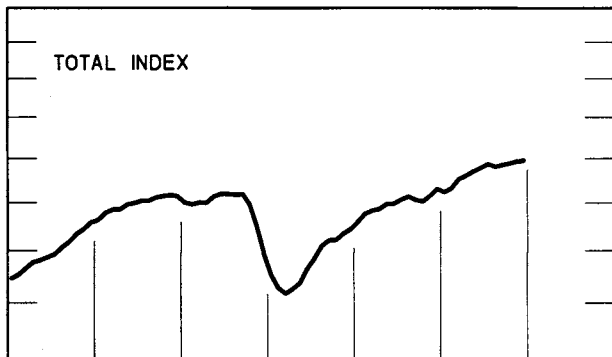
statistical release

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INDUSTRIAL PRODUCTION

DECEMBER DATA

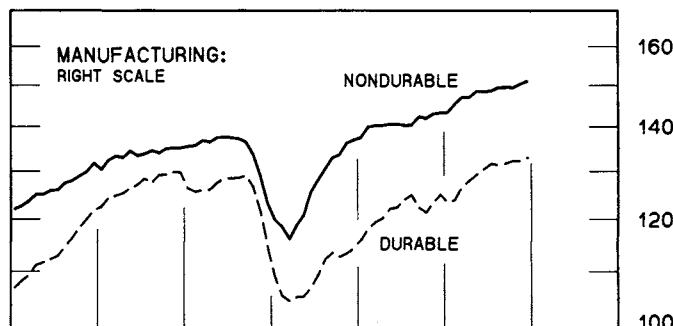
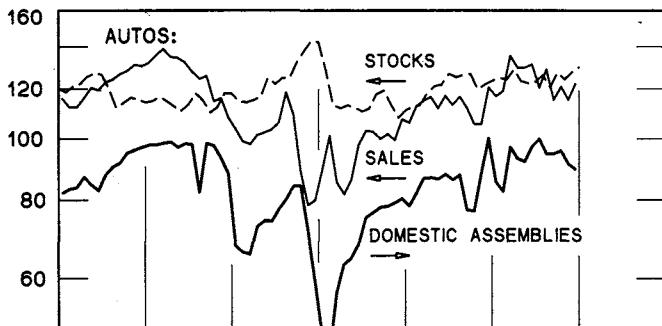
SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



1969-70=100

ANNUAL RATE, MILLIONS OF UNITS

1967=100



1972 1974 1976 1978

1972 1974 1976 1978

AUTOS: SALES AND STOCKS INCLUDE IMPORTS

Table 1.
INDUSTRIAL PRODUCTION BY MARKET GROUPINGS

Seasonally Adjusted, 1967-1900

MAJOR MARKET GROUPINGS	1967	1976	1976	1977											
	PRO- TION	AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL INDEX	100.00	129.8	133.0	132.3	133.2	135.3	136.1	137.0	137.8	138.7	138.1	138.5	138.8	139.3	139.6
PRODUCTS, TOTAL	60.71	129.3	133.4	133.1	133.6	135.1	135.8	136.5	137.3	138.7	138.4	138.8	138.9	139.3	140.0
FINAL PRODUCTS	47.82	127.2	131.5	130.8	131.6	133.3	134.1	134.7	135.4	136.8	136.3	136.8	136.6	137.0	137.6
CONSUMER GOODS	27.68	136.2	141.3	139.9	140.5	142.9	142.9	143.1	143.8	145.4	144.7	144.9	145.2	145.7	146.2
EQUIPMENT	20.14	114.6	118.0	118.4	119.2	120.0	122.1	123.2	124.1	124.8	124.9	125.6	124.9	125.3	126.0
INTERMEDIATE PRODUCTS	12.89	137.2	140.5	142.2	141.6	141.8	142.3	143.5	144.7	146.3	146.1	146.5	147.0	147.9	149.2
MATERIALS	39.29	130.6	132.0	131.1	132.7	135.5	136.5	137.8	138.7	138.9	137.6	137.9	138.8	139.2	139.1
CONSUMER GOODS															
DURABLE CONSUMER GOODS	7.89	141.4	150.5	145.4	146.1	152.4	151.5	152.2	155.8	158.0	154.7	155.6	157.2	155.6	155.9
AUTOMOTIVE PRODUCTS	2.83	154.8	178.8	164.2	161.7	178.3	173.9	172.8	179.8	184.8	177.2	177.0	180.1	173.7	173.5
AUTOS & UTILITY VEHICLES	2.03	149.8	176.9	155.8	152.7	176.1	171.2	167.4	177.4	184.1	173.1	172.6	176.7	167.7	166.7
AUTOS, TOTAL	1.90	132.0	156.3	136.9	132.8	155.8	150.6	148.5	156.8	161.4	150.9	151.6	154.3	147.5	143.6
AUTO PARTS & ALLIED GOODS	.80	167.6	183.4	185.6	184.3	184.1	181.3	186.6	185.8	186.6	187.3	188.1	189.0	189.2	191.0
HOME GOODS	5.06	133.9	134.5	134.8	137.3	137.9	138.8	140.6	142.3	142.9	142.1	143.6	144.4	145.3	146.2
APPLIANCES, AIR COND & TV	1.40	114.6	110.3	113.4	118.5	124.1	126.4	131.0	133.1	130.1	129.6	129.4	129.8	133.1	133.0
APPLIANCES AND TV	1.33	117.2	112.3	116.0	121.1	126.5	129.9	134.8	136.8	134.4	133.0	134.1	132.9	133.7	
CARPETING AND FURNITURE	1.07	144.1	144.7	143.7	146.0	144.6	145.0	147.3	151.2	154.1	154.8	159.0	160.0	158.9	
MISC. HOME GOODS	2.59	140.1	143.6	142.7	144.0	142.7	143.0	143.1	143.6	145.1	143.6	144.9	145.8	146.2	148.0
NONDURABLE CONSUMER GOODS	19.79	134.1	137.6	137.7	138.3	139.1	139.4	139.5	139.1	140.3	140.6	140.7	140.5	141.6	142.2
CLOTHING	4.29	124.0	124.1	123.7	123.6	123.9	124.4	125.5	125.7	124.1	126.4	128.3	128.9		
CONSUMER STAPLES	15.50	136.9	141.3	141.7	142.2	143.3	143.6	143.4	142.9	144.8	144.6	144.1	143.8	145.0	145.5
CONSUMER FOODS & TOBACCO	8.33	130.7	131.8	131.5	133.3	136.0	136.1	135.0	135.4	137.1	137.9	137.1	136.2	137.0	
NONFOOD STAPLES	7.17	144.1	152.3	153.4	152.6	151.8	152.5	153.2	151.7	153.8	152.4	152.4	152.7	154.4	154.7
CONSUMER CHEMICAL PROD	2.63	166.4	177.5	178.5	175.7	175.9	178.1	180.8	179.3	179.4	181.8	182.5	182.3	185.4	
CONSUMER PAPER PRODUCTS	1.92	113.3	116.6	116.0	113.3	117.4	116.6	118.4	116.3	117.4	117.0	116.4	117.7	118.0	
CONSUMER ENERGY PROD	2.62	144.4	153.1	155.8	158.3	152.8	153.0	150.8	149.8	154.9	148.9	148.6	148.9	150.0	
RESIDENTIAL UTILITIES	1.45	151.1	162.1	166.7	167.1										
EQUIPMENT															
BUSINESS EQUIPMENT	12.63	136.3	142.3	142.3	143.5	144.8	147.1	148.9	150.1	151.2	151.1	152.1	152.3	152.7	153.3
INDUSTRIAL EQUIPMENT	6.77	128.0	132.3	131.3	133.2	134.4	136.3	138.4	140.0	140.7	140.4	141.4	141.6	142.2	143.1
BUILDING AND MINING EQUIP	1.44	177.7	183.7	187.4	192.9	197.9	200.5	205.3	208.1	210.6	203.9	204.5	204.9	203.5	204.8
MANUFACTURING EQUIPMENT	3.85	106.5	110.8	107.8	108.5	109.0	112.0	112.8	115.0	114.3	115.3	117.6	118.8	119.3	120.1
POWER EQUIPMENT	1.47	135.3	137.9	137.5	139.3	138.3	136.7	139.9	139.0	141.2	143.7	141.4	139.2	141.7	142.5
COM'L, TRANSIT, FARM EQ	5.86	145.8	154.1	155.0	155.3	156.9	159.5	161.2	161.9	163.3	163.4	164.4	164.6	164.7	165.2
COMMERCIAL EQUIPMENT	3.26	173.5	184.3	185.2	185.6	186.1	189.7	191.1	191.4	191.7	193.0	193.7	194.9	196.1	197.2
TRANSIT EQUIPMENT	1.93	104.1	108.0	108.4	108.7	113.0	115.2	116.5	118.5	121.5	121.9	125.1	121.4	119.2	119.0
FARM EQUIPMENT	.67	131.4	140.3	142.5	142.5	141.8	141.0	144.4	143.2	144.6	139.2	134.9	141.5	143.0	
DEFENSE AND SPACE EQUIPMENT	7.51	78.4	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															
CONSTRUCTION SUPPLIES	6.42	132.6	135.5	136.2	135.6	136.4	137.2	138.7	139.9	141.2	141.7	143.2	144.4	146.0	147.1
BUSINESS SUPPLIES	6.47	141.8	145.3	148.0	147.6	147.3	147.5	148.4	149.6	151.3	150.6	149.7	149.7	149.8	
COMMERCIAL ENERGY PRODUCTS	1.14	157.1	162.7	164.9	164.9	163.6	164.6	165.8	164.2	168.2	165.0	162.7	162.5	162.1	
MATERIALS															
DURABLE GOODS MATERIALS	20.35	126.8	128.7	127.4	128.4	131.9	133.8	135.2	136.4	136.8	135.4	135.7	137.0	137.3	138.3
DURABLE CONSUMER PARTS	4.58	121.6	126.3	121.8	124.1	126.8	129.4	132.0	134.5	137.2	135.2	135.8	136.0	136.7	137.7
EQUIPMENT PARTS	5.44	133.9	138.8	135.1	137.3	137.8	140.7	141.7	143.0	145.0	145.6	146.8	147.2	147.9	149.0
DURABLE MATERIALS NEC	10.34	125.5	124.3	125.9	125.5	131.1	132.2	133.2	133.8	132.4	130.1	129.8	132.2	131.9	133.0
BASIC METAL MATERIALS	5.57	110.9	104.8	106.6	105.5	113.6	115.0	117.8	116.3	112.6	108.7	106.8	110.1	108.5	
NONDURABLE GOODS MATERIALS	10.47	146.3	145.8	144.8	150.4	153.3	153.7	155.4	154.7	154.1	155.1	153.9	154.7	155.7	156.7
TEXTILE, PAPER, & CHEM MAT	7.62	151.1	150.3	149.3	153.9	158.4	159.0	160.7	160.1	158.9	159.6	159.0	159.9	160.0	160.9
TEXTILE MATERIALS	1.85	115.1	113.7	111.0	109.8	113.2	111.8	111.8	109.0	110.1	112.2	114.5	119.0	118.7	
PAPER MATERIALS	1.62	130.8	127.6	127.6	133.5	133.9	132.2	136.2	134.4	134.3	135.7	135.2	134.4	133.2	
CHEMICAL MATERIALS	4.15	175.1	175.5	175.1	181.6	188.0	190.6	192.2	192.7	190.3	190.1	188.2	188.1	189.0	
CONTAINERS, NONDURABLE	1.70	142.7	143.8	139.5	150.2	148.9	148.5	152.3	152.4	152.4	156.2	151.2	150.7	155.9	
NONDURABLE MATERIALS NEC	1.14	119.9	119.8	122.6	126.8	126.1	125.6	123.1	122.9	124.9	122.4	124.1	125.5	127.1	
ENERGY MATERIALS	8.48	120.2	123.4	123.3	120.8	121.8	121.3	122.3	124.3	125.2	121.4	123.5	123.9	123.3	
PRIMARY ENERGY	4.65	107.1	107.0	102.9	103.1	107.0	106.0	106.6	109.7	108.9	106.8	110.0	111.7	110.5	
CONVERTED FUEL MATERIALS	3.82	136.2	143.4	148.1	142.4	139.9	140.1	141.4	142.0	145.1	139.1	140.0	138.7	138.9	
SUPPLEMENTARY GROUPS															
HOME GOODS AND CLOTHING	9.35	129.4	129.7	129.7	131.0	131.5	132.2	133.6	134.7	134.3	134.9	136.5	137.3	138.1	139.0
ENERGY, TOTAL	12.23	128.8	133.3	134.1	132.9	132.3	132.1	132.5	133.5	135.6	131.4	132.5	132.8	132.6	130.1
PRODUCTS	3.76	148.2	156.0	158.5	160.3	156.0	156.5	155.3	154.1	158.9	153.7	153.0	153.0	153.6	
MATERIALS	8.48	120.2	123.4	123.3	120.8	121.8	121.3	122.3	124.3	125.2	121.4	123.5	123.9	123.3	

DATA FOR THE CURRENT MONTH ARE ESTIMATED. PREVIOUS MONTH DATA ARE PRELIMINARY.

Table 2.
INDUSTRIAL PRODUCTION BY MARKET GROUPINGS

Not Seasonally Adjusted, 1967 = 100

MAJOR MARKET GROUPINGS	1967	1976	1976	1977											
	PRO- TION	POR- AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL INDEX	100.00	129.8	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
PRODUCTS, TOTAL	60.71	129.3	127.1	128.4	132.9	134.3	135.0	135.9	141.5	135.0	139.5	145.1	144.1	140.0	133.5
FINAL PRODUCTS	47.82	127.2	125.1	127.2	131.7	132.6	133.1	133.5	139.4	132.5	136.4	142.9	141.9	137.5	131.2
CONSUMER GOODS	27.68	136.2	131.0	135.0	140.1	141.9	141.8	142.0	149.2	140.0	145.9	152.9	152.5	145.6	136.2
EQUIPMENT	20.14	114.6	116.8	116.5	120.0	119.8	121.1	121.9	126.0	122.1	123.5	129.2	127.4	126.4	124.2
INTERMEDIATE PRODUCTS	12.89	137.2	134.3	133.2	137.4	140.4	142.5	144.7	149.2	144.5	150.9	153.2	152.2	149.0	142.3
MATERIALS	39.29	130.6	130.1	129.3	134.5	137.7	137.7	139.2	141.4	132.6	136.3	138.0	140.8	139.7	137.0
CONSUMER GOODS															
DURABLE CONSUMER GOODS	7.89	141.4	137.1	142.2	150.8	156.7	155.6	156.8	164.2	142.3	140.0	158.8	168.3	158.1	144.3
AUTOMOTIVE PRODUCTS	2.83	154.8	155.0	165.8	173.8	189.4	184.9	185.6	198.0	158.2	136.0	172.3	197.4	175.8	154.3
AUTOS & UTILITY VEHICLES	2.03	149.8	145.5	159.1	167.7	191.2	185.2	187.1	202.8	152.6	114.6	162.8	196.8	170.4	141.5
AUTOS, TOTAL	1.90	132.0	129.3	141.1	146.7	169.4	163.2	166.9	180.9	130.7	91.6	142.7	173.9	150.4	123.5
AUTO PARTS & ALLIED GOODS	.80	167.6	179.2	182.6	189.3	185.0	184.0	181.6	185.6	172.5	190.3	196.2	199.0	189.4	186.6
HOME GOODS	5.06	133.9	127.1	128.9	138.0	138.3	139.1	140.6	145.2	133.4	142.2	151.3	152.0	148.1	138.6
APPLIANCES, AIR COND & TV	1.40	114.6	90.8	111.9	123.6	128.7	129.7	133.6	137.8	114.5	122.3	137.6	143.6	134.4	113.6
APPLIANCES AND TV	1.33	117.2	93.0	114.3	125.0	129.3	131.7	136.0	141.0	118.4	127.7	143.5	148.6	137.2	117.7
CARPETING AND FURNITURE	1.07	144.1	142.1	138.8	150.2	147.2	147.0	146.4	151.7	137.3	156.2	164.0	164.6	163.5	151.9
MISC. HOME GOODS	2.59	140.1	140.6	134.0	140.8	139.8	141.0	142.1	146.6	142.0	147.3	153.4	151.3	149.1	144.9
NONDURABLE CONSUMER GOODS	19.79	134.1	128.6	132.1	135.8	136.0	136.3	136.1	143.3	139.1	148.2	150.5	146.3	140.6	133.0
CLOTHING	4.29	124.0	108.6	115.9	127.3	126.8	126.5	123.5	133.4	111.1	132.1	137.6	135.6	135.6	130.5
CONSUMER STAPLES	15.50	136.9	134.1	136.5	138.1	138.5	139.0	139.6	146.1	146.8	152.7	154.1	149.2	144.2	138.5
CONSUMER FOODS & TOBACCO	8.33	130.7	123.1	125.6	129.0	131.6	132.0	132.5	139.5	134.5	144.0	147.1	144.6	137.7	130.5
NONFOOD STAPLES	7.17	144.1	146.8	149.1	149.0	146.6	147.0	147.8	153.7	161.2	162.7	162.2	154.5	151.8	148.9
CONSUMER CHEMICAL PROD	2.63	166.4	164.7	162.6	165.2	168.9	172.8	179.7	188.8	191.4	190.9	196.6	190.5	183.2	178.2
CONSUMER PAPER PRODUCTS	1.92	113.3	109.6	108.5	109.1	112.5	113.1	114.1	120.0	122.9	127.0	125.7	121.8	117.2	112.2
CONSUMER ENERGY PROD	2.62	144.4	156.1	165.3	162.0	149.3	145.8	140.4	143.2	159.0	160.7	154.5	142.4	145.7	138.5
RESIDENTIAL UTILITIES	1.45	151.1	165.4	183.9	176.3										
EQUIPMENT															
BUSINESS EQUIPMENT	12.63	136.3	139.3	139.3	144.4	144.1	145.9	146.9	153.0	147.7	149.7	158.2	156.3	154.1	149.6
INDUSTRIAL EQUIPMENT	6.77	128.0	131.8	128.9	134.4	133.4	134.9	135.6	140.7	137.6	138.6	146.0	144.7	145.0	142.2
BUILDING AND MINING EQUIP	1.44	177.7	189.8	187.0	195.2	192.1	196.7	198.7	204.8	200.3	201.0	214.3	212.3	214.3	209.3
MANUFACTURING EQUIPMENT	3.85	106.5	108.3	105.1	110.6	110.0	111.6	110.8	116.1	112.9	114.5	120.7	119.2	119.4	117.5
POWER EQUIPMENT	1.47	135.3	136.2	134.1	136.9	136.8	135.1	138.3	142.3	140.8	140.4	145.3	145.2	143.7	141.1
COM'L, TRANSIT, FARM EQ	5.86	145.8	148.0	151.3	156.0	156.4	158.5	159.9	167.2	159.4	162.5	172.4	169.6	164.6	158.1
COMMERCIAL EQUIPMENT	3.26	173.5	177.5	176.1	182.4	180.9	185.8	187.9	197.1	195.1	198.8	204.6	200.7	197.5	189.9
TRANSIT EQUIPMENT	1.93	104.1	103.1	113.7	113.9	118.3	116.4	117.1	121.4	110.4	113.8	127.6	124.2	119.2	112.8
FARM EQUIPMENT	.67	131.4	133.7	138.9	149.2	146.9	146.9	147.4	153.2	127.1	125.8	144.9	148.9	135.8	130.5
DEFENSE AND SPACE EQUIPMENT	7.51	78.4	79.0	78.2	78.8	78.9	79.2	79.8	80.6	79.2	79.4	80.6	78.8	79.9	81.7
INTERMEDIATE PRODUCTS															
CONSTRUCTION SUPPLIES	6.42	132.6	127.8	126.0	132.6	137.1	140.6	141.9	145.6	137.3	144.4	147.5	148.4	146.0	138.7
BUSINESS SUPPLIES	6.47	141.8	140.7	140.5	142.2	143.7	144.2	147.5	152.6	151.6	157.4	159.0	155.8	151.9	149.9
COMMERCIAL ENERGY PRODUCTS	1.14	157.1	156.6	162.6	159.2	156.7	155.5	159.0	167.0	181.0	180.0	176.1	164.1	157.9	151.9
MATERIALS															
DURABLE GOODS MATERIALS	20.35	126.8	126.6	124.2	129.9	134.7	136.2	138.3	140.1	129.2	131.8	135.9	139.4	138.0	136.4
DURABLE CONSUMER PARTS	4.58	121.6	128.2	122.7	126.1	129.0	130.3	133.5	139.1	126.4	128.4	136.1	140.2	138.9	140.6
EQUIPMENT PARTS	5.44	133.9	139.6	134.3	138.9	139.9	141.1	142.6	144.4	139.4	142.9	146.2	147.9	149.8	149.9
DURABLE MATERIALS NEC	10.34	125.9	119.0	119.6	126.8	134.5	136.3	138.1	140.1	125.1	127.5	130.4	134.6	131.2	127.4
BASIC METAL MATERIALS	5.57	110.9	99.8	104.6	109.1	120.4	122.5	124.9	123.4	101.8	101.3	103.9	110.4	105.5	105.5
NONDURABLE GOODS MATERIALS	10.47	146.3	141.6	142.7	152.0	156.2	155.3	156.3	158.1	145.4	156.0	154.5	158.8	157.1	151.2
TEXTILE, PAPER, & CHEM MAT	7.62	151.1	146.4	147.3	155.8	161.7	161.7	162.5	163.9	149.9	160.8	159.0	162.1	161.2	155.8
TEXTILE MATERIALS	1.65	115.1	109.0	113.9	113.8	118.5	114.7	116.1	112.5	90.8	114.4	112.8	122.2	118.9	118.9
PAPER MATERIALS	1.62	130.8	116.4	128.0	138.0	138.5	136.3	139.6	123.9	138.3	130.2	137.2	137.2	135.1	135.1
CHEMICAL MATERIALS	4.15	175.1	174.8	169.8	181.6	190.0	192.7	192.4	196.4	186.5	190.3	191.0	189.6	190.3	190.3
CONTAINERS, NONDURABLE	1.70	142.7	129.1	132.7	152.8	152.6	149.1	153.5	158.6	147.4	160.6	155.6	158.8	151.8	151.8
NONDURABLE MATERIALS NEC	1.14	119.9	127.9	126.8	125.5	124.8	121.8	119.4	118.2	112.5	116.9	122.5	136.5	137.5	137.5
ENERGY MATERIALS	8.48	120.2	124.3	125.0	123.9	122.2	119.5	120.2	124.0	124.8	122.9	122.5	121.7	122.2	122.2
PRIMARY ENERGY	4.65	107.1	106.5	102.3	106.0	108.8	107.6	107.5	110.7	106.2	105.9	109.2	109.8	109.8	109.4
CONVERTED FUEL MATERIALS	3.82	136.2	146.0	152.7	145.7	138.6	134.0	135.7	140.1	147.4	143.6	138.6	136.1	137.8	137.8
SUPPLEMENTARY GROUPS															
HOME GOODS AND CLOTHING	9.35	129.4	118.6	123.0	133.1	133.0	133.4	132.8	139.7	123.2	137.6	145.0	144.5	138.6	126.9
ENERGY, TOTAL	12.23	128.8	134.1	137.1	135.3	131.2	128.4	128.1	132.1	137.3	136.3	134.4	130.1	130.6	130.9
PRODUCTS	3.76	148.2	156.2	164.5	161.1	151.5	148.7	146.0	150.4	165.6	166.7	161.1	149.0	149.5	149.5
MATERIALS	8.48	120.2	124.3	125.0	123.9	122.2	119.5	120.2	124.0	124.8	122.9	122.5	121.7	122.2	122.2

DATA FOR THE CURRENT MONTH ARE ESTIMATED. PREVIOUS MONTH DATA ARE PRELIMINARY.

Table 3.
PRODUCTION BY INDUSTRY GROUPINGS
Seasonally Adjusted, 1967=100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1977														
		PRO-1 TON	1976 AVG.	1976 DEC.	1977 JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
MINING AND UTILITIES		12.05	131.6	135.4	137.0	137.1	136.6	135.7	137.1	138.8	139.4	134.4	135.1	135.3	136.0	134.3
MINING		6.36	114.2	115.4	112.8	116.3	120.6	119.2	119.5	122.8	119.8	115.4	118.0	119.1	118.3	113.4
UTILITIES		5.69	151.0	157.9	163.8	160.3	154.8	154.0	156.7	156.8	161.4	155.7	154.1	153.5	155.7	157.4
MANUFACTURING		87.95	129.5	132.5	131.6	132.6	135.1	135.8	137.1	137.8	138.5	138.6	139.0	139.2	139.6	140.4
NONDURABLE		35.97	140.9	143.3	143.4	145.3	147.0	147.0	148.5	148.4	148.6	149.4	149.5	149.4	150.3	151.1
DURABLE		51.98	121.7	125.0	123.4	124.0	126.8	128.0	129.3	130.5	131.6	131.3	131.7	132.3	132.2	133.0
MINING																
METAL MINING	10	.51	122.8	126.8	130.6	128.5	133.8	126.1	120.5	121.3	101.9	70.0	71.4	79.8	84.6	
COAL	11,12	.69	117.2	120.6	114.8	116.8	104.3	118.4	122.4	133.4	120.7	113.6	133.0	141.4	140.6	74.6
OIL AND GAS EXTRACTION	13	4.40	112.0	112.8	112.0	115.8	117.5	117.5	118.3	121.3	120.6	119.3	119.6	118.9	117.2	117.8
STONE AND EARTH MINERALS	14	.75	118.3	118.0	121.6	124.9	126.1	124.0	123.0	122.5	126.7	125.0	126.7	126.7	128.3	
NONDURABLE MANUFACTURES																
FOODS	20	8.75	132.3	132.9	134.2	136.4	138.7	138.0	138.3	136.9	138.3	139.3	138.3	137.6	138.4	
TOBACCO PRODUCTS	21	.67	117.9	119.2	114.8	116.8	104.3	112.1	105.2	119.2	114.5	117.0	113.5	113.5		
TEXTILE MILL PRODUCTS	22	2.68	136.4	133.7	132.2	132.3	134.4	134.6	136.0	135.4	137.2	136.6	140.7	143.2	143.6	
APPAREL PRODUCTS	23	3.31	122.2	124.9	123.0	124.4	122.2	121.4	123.5	122.1	121.1	124.1	127.7	129.2		
PAPER AND PRODUCTS	26	3.21	133.0	131.4	130.6	136.5	135.5	136.3	139.5	139.3	139.2	140.3	139.1	137.7	138.0	139.4
PRINTING AND PUBLISHING	27	4.72	120.6	123.0	124.7	122.4	124.8	123.4	124.4	124.1	124.9	125.0	124.2	124.8	124.7	126.5
CHEMICALS AND PRODUCTS	28	7.74	169.3	173.1	172.2	174.9	180.0	180.6	182.8	183.5	182.6	182.6	181.3	180.8	183.0	
PETROLEUM PRODUCTS	29	1.79	133.1	138.9	139.7	145.2	143.3	143.4	142.4	140.0	140.4	139.9	141.9	141.2	141.5	142.0
RUBBER & PLASTICS PRODUCTS	30	2.24	200.2	216.9	218.9	220.3	225.6	226.0	232.4	235.2	237.4	239.5	237.2	240.0		
LEATHER AND PRODUCTS	31	.86	80.9	74.2	74.8	75.0	73.8	74.7	76.2	74.1	74.1	74.5	74.0	76.8	76.8	
DURABLE MANUFACTURES																
ORDNANCE, PVT & GOVT	19,91	3.64	72.7	71.3	72.6	72.6	72.8	74.6	74.4	74.1	75.0	75.5	75.1	74.0	73.7	74.7
LUMBER AND PRODUCTS	24	1.64	125.1	128.1	132.7	132.2	132.1	130.6	133.0	132.4	132.9	131.8	137.1	136.2	137.4	
FURNITURE AND FIXTURES	25	1.37	132.7	135.7	135.1	137.1	135.1	135.4	137.5	139.9	143.0	142.9	145.6	146.5	146.6	
CLAY, GLASS, STONE PROD	32	2.74	137.1	142.8	137.1	139.0	143.7	145.0	145.0	147.7	148.0	148.8	145.5	147.3	150.9	
PRIMARY METALS	33	6.57	108.9	101.5	100.8	100.2	108.3	112.2	117.1	114.7	114.4	112.5	109.0	113.7	111.9	111.2
IRON AND STEEL	331,2	4.21	104.9	93.4	89.7	91.3	97.9	103.9	111.0	109.2	110.9	110.6	104.6	108.1	105.6	
FABRICATED METAL PROD	34	5.93	123.3	128.1	125.7	125.8	127.5	127.6	128.2	130.8	132.0	134.0	133.6	134.4	135.2	136.0
NONELECTRICAL MACHINERY	35	9.15	135.0	141.5	139.9	139.8	139.8	142.9	142.6	144.0	145.7	145.2	147.4	148.2	148.9	150.4
ELECTRICAL MACHINERY	36	8.05	131.6	135.1	134.0	137.6	137.6	139.6	141.8	142.6	143.6	143.9	144.6	144.2	145.1	146.6
TRANSPORTATION EQUIP	37	9.27	110.6	117.4	113.5	113.4	120.5	119.8	120.3	123.7	125.6	124.3	125.5	124.1	121.9	122.2
MOTOR VEHICLES & PTS	371	4.50	140.7	155.0	145.5	145.4	161.2	158.1	157.7	163.2	166.2	164.4	165.6	167.9	163.0	161.9
AEROSPACE & MISC	372-9	4.77	82.2	81.9	83.4	83.3	82.3	83.8	85.2	86.5	87.3	86.5	87.7	82.8	83.1	84.7
INSTRUMENTS	38	2.11	148.2	155.8	153.7	157.0	156.9	157.8	157.4	158.2	159.0	158.3	160.3	161.8	161.3	162.0
MISCELLANEOUS MFRS	39	1.51	143.5	146.8	147.8	147.9	147.4	145.6	148.0	148.4	150.4	147.5	150.7	149.9	151.2	152.5
UTILITIES																
ELECTRIC		3.88	167.6	176.1	183.6	179.1										

Table 4.
CHANGES IN OUTPUT (PER CENT)

	1977											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
CHANGE FROM PREVIOUS MONTH												
TOTAL INDEX	-5	.7	1.6	.6	.7	.6	.7	-4	.3	.2	.4	.2
FINAL PRODUCTS	-5	.6	1.3	.6	.4	.5	.5	-4	.4	.2	.3	.4
CONSUMER GOODS	-1.0	.4	1.7	.0	.1	.5	1.1	-5	.1	.2	.3	.3
DURABLE CONSUMER GOODS	-3.4	.5	4.3	.6	.5	2.4	1.4	-2.1	.6	1.0	-1.0	.2
NONDURABLE CONSUMER GOODS	.1	.4	.6	.2	.1	-.3	.9	.2	.1	-.2	.8	.4
BUSINESS EQUIPMENT	.0	.8	.9	1.6	1.2	.8	.7	-1	.7	.1	.3	.4
INTERMEDIATE PRODUCTS	1.2	-.4	.1	.7	.8	.8	1.1	-1	.3	.3	.6	.9
MATERIALS	-7	1.2	2.1	.7	1.0	.7	.1	-9	.2	.7	.3	-.1
DURABLE GOODS MATERIALS	-1.0	.8	2.7	1.4	1.0	.9	.3	-1.0	.2	1.0	.2	.7
NONDURABLE GOODS MATERIALS	-7	3.9	1.9	.3	1.1	-.5	-.4	.6	-.8	.5	.6	.6
MANUFACTURING	-7	.8	1.9	.5	1.0	.5	.5	.1	.3	.1	.3	.6
NONDURABLE	.1	1.3	1.2	.0	1.0	-.1	.1	.5	.1	-.1	.6	.5
DURABLE	-1.3	.5	2.3	.9	1.0	.9	.8	-2	.3	.5	-.1	.6
MINING AND UTILITIES	1.2	.1	-.4	-.7	1.0	1.2	.4	-3.6	.5	.1	.5	-1.3
CHANGE FROM SAME MONTH A YEAR AGO												
TOTAL INDEX	5.1	4.4	5.5	5.7	5.6	6.2	6.1	5.2	6.0	6.6	5.9	5.0
FINAL PRODUCTS	5.4	4.8	5.7	6.3	6.1	6.8	7.4	6.5	7.8	7.8	6.0	4.6
CONSUMER GOODS	5.5	4.4	5.7	5.5	4.8	5.7	6.8	5.6	6.8	6.8	5.3	3.5
DURABLE CONSUMER GOODS	7.6	5.9	8.5	7.4	6.5	9.2	11.7	7.3	12.2	13.2	8.3	3.6
NONDURABLE CONSUMER GOODS	4.6	3.8	4.6	4.7	4.3	4.4	4.7	4.8	4.6	4.3	4.0	3.3
BUSINESS EQUIPMENT	8.3	8.1	7.9	9.4	10.5	10.2	9.6	9.8	11.0	12.2	9.0	7.7
INTERMEDIATE PRODUCTS	6.0	4.1	5.3	5.3	5.4	5.9	5.7	5.6	5.6	5.9	6.4	6.2
MATERIALS	4.5	4.0	5.0	5.2	5.4	5.9	5.1	3.5	4.2	5.3	5.5	5.4
DURABLE GOODS MATERIALS	7.6	5.3	6.7	6.7	6.2	6.6	4.4	3.0	4.5	6.8	7.1	7.3
NONDURABLE GOODS MATERIALS	1.4	3.9	4.1	4.3	5.6	5.6	6.2	6.0	4.3	4.9	5.7	7.5
MANUFACTURING	5.4	4.3	5.5	5.8	5.7	6.2	6.0	5.6	6.5	7.2	6.2	6.0
NONDURABLE	4.3	3.9	4.8	4.7	5.6	5.5	5.9	6.4	5.1	5.3	5.1	5.4
DURABLE	6.4	4.7	6.1	6.4	5.8	6.6	6.1	5.0	7.6	9.0	7.1	6.4
MINING AND UTILITIES	4.3	3.9	4.8	5.1	5.1	6.1	7.0	2.4	2.7	2.1	1.6	-.8

Table 5.
PRODUCTION BY INDUSTRY GROUPINGS

Not Seasonally Adjusted, 1967 = 100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967			1977											
		PRO- POR- TION	1976 AVG.	1976 DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
MINING AND UTILITIES		12.05	131.6	136.5	140.1	138.1	135.0	132.4	132.6	136.9	140.6	138.8	137.3	133.5	134.2	135.3
MINING		6.36	114.2	115.6	111.1	115.4	118.9	118.8	120.0	123.0	117.0	115.5	119.4	120.5	120.0	113.9
UTILITIES		5.69	151.0	159.8	172.5	163.4	152.9	147.7	146.7	152.3	166.9	164.5	157.2	148.0	149.9	159.2
MANUFACTURING		87.95	129.5	127.1	127.2	132.8	135.7	136.5	137.8	141.9	133.2	138.2	142.8	144.0	140.3	134.5
NONDURABLE		35.97	140.9	136.0	137.0	143.2	146.0	146.3	147.8	152.8	144.1	154.1	156.2	155.9	151.0	142.9
DURABLE		51.98	121.7	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
MINING																
METAL MINING	10	.51	122.8	118.3	117.9	121.4	126.3	124.8	130.4	132.2	99.4	74.1	77.4	81.9	81.9	
COAL	11,12	.69	117.2	114.1	92.6	106.0	130.4	125.4	127.8	133.4	104.8	112.4	137.4	141.3	137.4	67.6
OIL AND GAS EXTRACTION	13	4.40	112.0	114.9	113.0	116.5	116.1	116.0	116.4	119.6	119.5	118.8	119.7	119.7	119.4	120.0
STONE AND EARTH MINERALS	14	.75	118.3	119.5	112.1	113.3	119.8	124.7	126.8	127.0	125.4	127.5	129.9	132.1	133.6	
NONDURABLE MANUFACTURES																
FOODS	20	8.75	132.3	128.1	129.0	131.3	134.7	134.0	134.6	139.8	136.4	144.2	148.1	146.7	140.6	
TOBACCO PRODUCTS	21	.67	117.9	95.8	117.3	122.9	105.2	108.5	105.2	123.6	98.2	125.3	120.1	125.9		
TEXTILE MILL PRODUCTS	22	2.68	136.4	125.7	127.3	132.6	138.1	137.4	139.5	141.3	120.9	142.2	143.7	149.1	142.9	
APPAREL PRODUCTS	23	3.31	122.2	108.5	117.6	128.6	127.0	124.4	121.4	127.8	109.3	131.5	136.3	135.8		
PAPER AND PRODUCTS	26	3.21	133.0	119.4	129.0	140.5	140.4	140.5	142.2	142.5	127.9	140.2	137.4	143.0	139.0	126.7
PRINTING AND PUBLISHING	27	4.72	120.6	116.4	111.7	113.8	116.7	118.1	122.2	128.8	130.5	136.3	136.3	132.1	126.4	119.7
CHEMICALS AND PRODUCTS	28	7.74	169.3	167.2	163.2	170.7	178.2	181.5	184.3	189.2	183.2	185.7	187.5	185.1	181.7	
PETROLEUM PRODUCTS	29	1.79	133.1	140.7	136.8	140.1	136.6	137.2	139.3	143.1	145.0	145.5	145.0	141.6	144.5	143.8
RUBBER & PLASTICS PRODUCTS	30	2.24	200.2	210.6	212.3	229.3	233.0	229.2	231.7	239.4	213.9	233.6	242.4	247.2	243.1	
LEATHER AND PRODUCTS	31	.86	80.9	70.6	73.4	77.9	77.0	76.0	75.9	77.1	64.2	76.3	76.0	79.7	75.0	
DURABLE MANUFACTURES																
ORDNANCE, PVT & GOVT	19,91	3.64	72.7	72.1	73.0	73.0	73.4	74.6	74.7	74.9	74.2	73.9	74.3	73.4	73.6	74.5
LUMBER AND PRODUCTS	24	1.64	125.1	117.2	123.1	131.8	133.2	134.1	134.9	135.9	130.0	136.3	139.8	140.8	135.1	
FURNITURE AND FIXTURES	25	1.37	132.7	134.9	133.5	142.6	138.7	136.8	135.4	141.0	127.4	144.0	148.5	148.1	148.8	
CLAY, GLASS, STONE PROD	32	2.74	137.1	135.1	126.7	133.0	141.3	145.7	147.5	153.6	147.9	154.3	150.3	154.4	151.7	
PRIMARY METALS	33	6.57	108.9	96.3	100.7	105.4	116.5	120.9	124.1	120.4	103.2	104.1	105.0	112.4	107.7	105.5
IRON AND STEEL	331,2	4.21	104.9	88.7	89.9	96.2	105.9	113.3	118.6	113.2	102.0	101.6	99.4	105.8	100.3	
FABRICATED METAL PROD	34	5.93	123.3	126.6	122.2	128.3	129.3	127.9	128.7	132.0	126.8	131.7	135.2	136.9	136.6	134.2
NONELECTRICAL MACHINERY	35	9.15	135.0	136.7	134.9	141.2	139.7	142.0	141.6	147.7	144.1	145.2	153.3	151.3	149.5	145.3
ELECTRICAL MACHINERY	36	8.05	131.6	132.5	132.4	138.0	138.2	138.6	140.9	145.0	136.1	141.7	148.8	150.0	147.7	144.1
TRANSPORTATION EQUIP	37	9.27	110.6	111.2	114.1	117.3	124.4	123.8	125.3	130.8	115.4	107.4	123.9	129.8	123.0	116.9
MOTOR VEHICLES & PTS	371	4.50	140.7	141.1	148.7	153.3	168.0	164.9	167.3	177.4	148.5	132.0	161.8	178.6	164.0	149.6
AEROSPACE & MISC	372-9	4.77	82.2	83.1	81.5	83.3	83.3	85.1	85.6	86.9	84.2	84.2	88.2	83.9	84.4	86.0
INSTRUMENTS	38	2.11	148.2	154.6	149.4	155.0	154.4	154.8	156.5	161.2	158.0	159.6	165.0	164.6	164.7	160.9
MISCELLANEOUS MFRS	39	1.51	143.5	140.9	137.3	145.8	144.7	144.3	145.5	150.6	146.0	154.0	161.6	157.5	153.6	146.4
UTILITIES																
ELECTRIC		3.88	167.6	176.1	191.9	180.0										

ANNOUNCEMENTS

NEW PUBLICATION--INDUSTRIAL PRODUCTION-1976 EDITION IS NOW AVAILABLE. THIS 304 PAGE VOLUME CONTAINS DESCRIPTIVE MATERIAL; WEIGHTS; CLASSIFICATION; SOURCES OF UNDERLYING DATA; AND STATISTICAL TABLES SHOWING THE TOTAL INDEX FROM 1919 THROUGH 1975 AND DATA FOR COMPONENT INDEXES AS FAR BACK AS AVAILABLE. INDIVIDUAL COPIES ARE \$4.50; TEN COPIES SENT TO THE SAME ADDRESS ARE \$4.00 EACH. A 9-TRACK, 1600 BPI, STANDARD-LABEL COMPUTER TAPE CONTAINING THE STATISTICAL TABLES FROM 1919 UNTIL JUNE 1977 IS ALSO AVAILABLE FOR \$60.00. THE VOLUME AND/OR TAPE MAY BE OBTAINED FROM PUBLICATIONS SERVICES, DIVISION OF ADMINISTRATIVE SERVICES, BOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM, WASHINGTON, D.C. 20551. REMITTANCES PAYABLE TO THE BOARD OF GOVERNORS MUST ACCOMPANY ALL REQUESTS.

Table 6.
DETAILED OUTPUT SERIES

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1976		1977												
		PRO- DUCTION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
METAL MINING	10	.51															
IRON ORE	101,6	.24	105.4	114.1	119.5	121.3	123.3	121.0	113.0	90.4	98.1	89.0	23.7	23.5	24.4	28.9	
NONFERRROUS ORES	102-5,8,9	.27	138.3	140.2	138.4	145.0	138.4	146.2	140.6	142.1	138.6	104.4	121.7	120.9	131.4	132.8	
COPPER ORE	102	.14	167.2	170.5	167.9	182.7	169.6	184.1	172.0	176.1	165.6	103.3	133.9	135.1	153.7	156.1	
LEAD AND ZINC ORES	103	.03	108.5	108.2	109.1	101.6	110.2	109.6	111.6	103.8	104.7	86.2	105.3	98.0	99.0	103.3	
ANTHRACITE	11	.03	51.9	44.4	43.9	44.3	47.9	55.0	50.7	58.0	48.2	51.3	51.1	54.4	51.7	54.3	
BITUMINOUS COAL	12	.66	119.9	125.4	124.1	97.2	103.0	126.8	121.2	125.1	136.9	123.4	115.3	136.0	144.7	144.2	
OIL AND GAS EXTRACTION	13	4.40															
CRUDE OIL & NATURAL GAS	131	3.61	95.4	94.4	95.2	93.4	95.3	94.6	94.5	93.7	97.6	97.7	96.1	96.7	96.4	94.8	
CRUDE OIL, TOTAL		2.94	92.2	91.2	91.5	89.7	91.3	90.7	91.0	89.3	93.9	94.3	92.8	94.7	93.7	92.3	
ALASKA, CALIF. CRUDE		.31	100.1	103.6	106.6	105.4	107.0	107.8	106.6	105.8	130.9	133.7	153.5	175.2	172.7	173.6	
TEXAS CRUDE		1.07	106.0	105.0	104.8	104.2	103.3	102.1	101.3	98.4	102.8	103.2	102.0	101.7	100.2	99.7	
L.A. AND OTHER CRUDE		1.57	81.3	79.4	79.5	76.8	80.1	79.7	81.0	79.8	80.7	80.7	74.7	74.2	73.9	71.4	
NATURAL GAS		.67	109.5	108.3	111.3	109.5	112.8	112.0	110.1	113.1	114.0	112.6	111.0	105.4			
NATURAL GAS LIQUIDS	132	.30	114.5	114.1	113.1	113.4	113.4	120.8	117.5	119.2	118.5	117.1					
LP PROPANE		.04	111.5	111.6	110.6	105.4	105.3	109.7	107.9	111.4	113.6	114.0					
LP MATERIALS		.26	115.0	114.6	113.8	114.9	114.8	122.6	119.0	120.4	119.2	117.4					
OIL AND GAS DRILLING	138	.50	120.1	123.3	237.6	241.0	264.6	283.1	288.3	298.9	294.3	287.5	286.6	284.3	280.7	275.5	
FOODS	20	8.75															
MEAT PRODUCTS	201	1.17	111.2	115.9	112.0	109.8	117.6	118.7	114.4	111.3	114.5	111.6	116.1	116.1	112.0	114.8	
BEEF		.40	127.4	122.8	122.6	129.3	131.4	127.4	124.7	120.9	127.1	123.0	127.9	125.5	120.0	121.8	
PORK		.55	97.9	112.0	103.8	95.3	108.8	111.5	104.9	100.2	101.8	101.9	107.2	108.6	106.7	110.8	
MISC. MEATS		.22	114.9	113.1	113.1	111.0	114.5	120.8	119.5	121.5	123.6	115.1	116.6	117.8	110.8	112.1	
DAIRY PRODUCTS	202	1.14	113.8	116.3	115.9	115.7	116.1	116.5	116.8	116.6	115.5	117.0	118.2	118.9	118.9	119.9	
BUTTER	2021	.04	79.7	89.7	89.1	96.8	93.7	84.2	82.9	81.9	77.5	90.4	90.7	98.1	100.4	94.9	
CHEESE	2022	.07	122.0	128.3	126.1	121.8	121.9	220.2	216.6	218.8	208.8	207.7	217.3	222.7	222.3	229.7	
CONCENTRATED MILK	2023	.12	58.3	60.4	59.5	58.2	60.1	56.3	59.5	56.7	57.1	63.7	64.5	63.1	59.8	60.8	
FROZEN DESSERTS	2024	.13	121.2	123.2	121.7	121.3	120.9	129.7	129.9	127.7	123.2	126.1	127.6	126.6	127.3	131.6	
CANNED AND FROZEN FOODS	203	1.18	151.6	156.5	151.9	151.3	155.4	160.7	162.2	161.9	162.5	165.7	164.9	165.3	162.3	163.3	
GRAIN MILL PRODUCTS	204	.95	154.2	158.6	157.1	165.6	167.5	170.1	168.1	173.2	165.7	166.4	167.8	165.3	165.4	168.2	
FLOUR & CORN MILL.	2041,6	.28	105.0	102.1	94.5	106.5	109.5	115.1	111.1	106.9	99.0	103.6	106.1	97.8	103.5	108.8	
BAKERY PRODUCTS	205	1.15	110.6	109.4	110.0	108.3	107.0	109.6	111.1	109.7	114.5	115.3	113.4	114.7	112.6	113.7	
SUGAR	206	.21	122.5	130.0	133.1	137.5	133.2	120.6	133.9	124.6	115.4	120.1	120.9	122.8	123.1	124.3	
CONFECTIONERY	207	.41	113.0	120.2	109.7	96.8	114.9	111.9	105.8	106.3	104.0	93.7	121.0	103.1	107.7	108.5	
BEVERAGES	208	1.58	156.7	156.2	155.4	161.1	161.1	168.3	169.8	172.7	166.2	172.4	168.0	166.0	167.1	166.7	
BEER AND ALE	2082,3	.52	140.7	138.6	132.6	144.8	140.2	154.0	153.8	160.1	145.2	148.8	141.2	137.2	143.5		
WINES AND BRANDY	2084	.07	203.7	206.7	187.5	193.5	201.3	218.3	215.8	229.0	214.6	246.3	234.1	234.0			
LIQUORS	2085	.24	120.9	118.6	116.4	128.5	123.6	122.2	120.1	119.7	119.4	123.1	125.6	119.1	118.2	121.1	
SOFT DRINKS	2086,7	.74	175.5	176.5	181.4	180.4	184.1	188.9	193.1	193.9	191.8	198.6	194.8	195.6	195.5	196.3	
MISC. FOOD PREPARATIONS	209	.97	131.1	130.0	129.9	134.4	132.7	129.0	127.8	126.9	126.1	126.8	127.1	124.8	130.4	132.0	
FATS AND OILS	2091-4,6	.30	129.8	127.2	128.7	125.0	136.7	130.4	122.4	116.8	117.5	115.2	116.8	123.9	127.4	128.7	
COFFEE, MISC. FOOD	2095,7-9	.67	131.8	131.3	130.5	138.7	130.9	128.1	130.3	131.5	129.9	131.9	131.8	125.3	131.7		
TOBACCO PRODUCTS	21	.67															
CIGARETTES	211	.54	120.1	121.7	121.7	117.4	119.8	101.7	112.9	104.6	121.3	114.8	118.1	112.4	113.1	113.0	
CIGARS	212	.07	74.6	69.5	63.1	60.8	69.4	74.9	63.6	67.7	72.2	63.3	61.1	66.0	69.0	70.3	
TEXTILE MILL PRODUCTS	22	2.69															
FABRICS	221-4	1.05	103.1	98.3	104.4	98.1	95.3	97.6	96.0	96.9	92.7	94.1	99.0	98.9	104.7	100.7	
COTTON FABRICS	221,4	.60	80.8	76.3	77.8	76.5	77.5	76.6	77.1	76.0	74.5	74.2	75.6	77.0	85.0	77.4	
MAN-MADE FABRICS	222	.30	170.0	161.8	176.9	160.0	155.9	163.8	157.7	161.4	150.5	156.5	167.9	164.1	166.4		
WOOL FABRICS	223	.14	54.7	56.2	63.4	57.6	42.1	46.4	45.0	47.9	46.1	45.1	50.8	52.7	56.6		
KNIT GOODS	225	.63	189.8	181.7	189.3	184.8	188.7	190.0	193.7	194.1	195.9	198.4	192.2	196.3	199.1	196.6	
HOSIERY	2251,2	.21	180.5	174.3	180.2	173.3	176.3	177.4	180.7	179.5	182.7	189.7	175.7	182.8	205.2		
KNIT GARMENTS	2253-9	.42	194.4	185.4	193.8	191.0	194.8	196.3	200.2	201.3	202.7	203.0	200.6	202.8	196.2	197.1	
FABRIC FINISHING	226	.23	130.9	126.1	135.8	136.2	136.4	145.9	145.8	144.0	147.6	148.3	147.4	148.4	152.2		
CARPETING	227	.20	166.4	171.1	158.9	166.5	171.6	157.9	159.4	175.5	178.7	187.2	188.3	190.5	199.1	199.9	
YARN & MISC. TEXTILES	228,9	.57	130.5	117.3	137.1	126.6	121.7	127.4	126.0	124.8	122.2	125.3	122.7	129.0	133.7	135.3	
APPAREL PRODUCTS	23	3.33															
MEN'S OUTERWEAR	231,2	1.06	104.7	102.3	107.4	104.9	109.6	108.5	104.7	107.6	106.1	111.3	115.1	121.7	124.5	113.7	
MEN'S SUITS AND COATS	231	.34	88.7	83.9	92.1	90.4	91.5	90.9	81.9	80.5	88.4	97.1	91.6	99.4	100.4	88.3	
MEN'S FURNISHINGS	232	.69	114.1	112.7	116.6	113.7	120.3	118.8	117.5	122.6	116.5	120.1	128.4	135.0	138.7	128.2	
WOMEN'S OUTERWEAR	233	1.05	155.7	160.6	168.1	154.8	154.2	149.6	151.1	154.8	151.1	140.8	153.8	158.6	155.2	148.7	
MISC. APP. & ALLIED GDS	234-9	1.20	108.4	105.5	109.2	110.7	112.3	110.9	110.2	110.6	110.6	111.5	109.7	111.8	111.4	113.3	
LUMBER AND PRODUCTS	24	1.64															
LOGGING AND LUMBER	241,2	.82	105.9	108.7	103.3	115.3	112.7	110.3	110.2	111.2	105.3	110.7	106.0	110.2	113.7	113.1	
LUMBER	242	.59	105.8	108.5	96.9	113.9	109.9	109.0	109.2	112.5	104.9	112.4	107.2	111.2	115.7		
LUMBER PRODUCTS	243,4,9	.82	144.2	149.0	151.1	149.8	152.0	153.7	150.9	154.8	155.3	155.1	157.6	161.8	158.5	161.4	
MILLWORK AND PLYWOOD	243	.50	155.3	160.9	166.0	163.1	164.8	167.1	161.3	168.4	167.6	165.9	170.4	177.4	170.0		
PLYWD, PREFAB PROD	243,3	.29	176.7	183.3	190.8	186.8	187.2	188.6	178.8	188.8	186.9	183.3	189.4	198.2	1		

Table 7.
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1976		1977											
		PRO- POR- TION	1976 AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
METAL MINING	10	.51														
IRON ORE	101,6	.24	105.4	98.7	96.1	90.0	96.7	97.5	99.1	111.6	121.2	107.1	28.5	28.8	24.9	25.0
NONFERROUS ORES	102-5,8,9	.27	138.3	139.9	138.0	142.8	143.5	152.0	147.6	147.2	142.1	92.6	114.8	120.7	132.8	132.5
COPPER ORE	102	.14	167.2	170.2	166.9	177.8	177.6	191.8	184.2	183.5	173.6	87.8	123.7	134.4	156.2	155.8
LEAD AND ZINC ORES	103	.03	108.5	104.8	101.9	99.2	115.9	114.1	111.8	102.6	106.9	83.6	107.5	98.4	101.0	100.1
ANTHRACITE BITUMINOUS COAL	11 12	.03 .66	51.9 119.9	47.2 122.3	43.8 117.0	40.9 94.7	46.1 108.4	55.3 133.4	50.5 128.5	59.8 130.6	48.2 136.9	40.4 107.4	55.8 114.7	57.8 140.5	55.5 144.8	57.8 140.6
OIL AND GAS EXTRACTION	13	4.40														
CRUDE OIL & NATURAL GAS	131	3.61	95.4	94.7	95.1	93.0	96.9	95.1	95.1	94.0	97.4	97.2	95.5	96.1	95.9	95.1
CRUDE OIL, TOTAL		2.94	92.2	91.3	90.8	88.3	91.5	90.9	91.6	90.2	94.2	94.5	92.7	94.5	93.7	92.4
ALASKA, CALIF. CRUDE		.31	100.1	104.1	105.9	104.7	105.9	107.3	106.5	106.1	131.6	134.4	154.4	175.4	173.4	174.5
TEXAS CRUDE		1.07	106.0	104.4	103.8	102.3	103.7	103.6	103.1	99.6	103.0	103.0	101.4	101.1	99.8	99.1
LA. AND OTHER CRUDE		1.57	81.3	79.8	79.0	75.6	80.4	79.2	80.9	80.6	80.9	80.9	74.7	74.2	74.0	71.8
NATURAL GAS		.67	109.5	109.7	113.9	113.5	120.6	113.7	110.3	110.4	111.3	108.9	107.4	103.1		
NATURAL GAS LIQUIDS	132	.30	114.5	115.1	112.8	111.1	113.4	121.8	117.1	118.8	117.8	116.4				
LP PROPANE		.04	111.5	114.4	112.8	106.5	110.2	112.7	111.0	111.0	110.0	107.0				
LP MATERIALS		.26	115.0	115.3	112.8	111.7	114.1	123.3	118.0	120.0	119.0	118.0				
OIL AND GAS DRILLING	138	.50	230.1	256.0	259.0	258.1	259.0	263.3	266.1	276.5	280.2	282.3	288.3	290.8	293.1	294.8
FOODS	20	8.75														
MEAT PRODUCTS	201	1.17	111.2	122.2	111.1	111.0	113.0	117.4	113.3	109.2	114.6	103.2	114.9	118.8	121.1	121.1
BEEF		.40	127.4	124.9	120.8	131.5	128.8	125.2	121.1	118.6	130.0	119.8	127.5	126.5	127.4	123.9
PORK		.55	97.9	120.7	105.8	98.9	106.3	116.0	110.0	100.4	98.3	85.4	99.2	108.8	113.0	119.4
MISC. MEATS		.22	114.9	120.8	106.8	104.0	101.2	106.8	107.3	114.5	126.9	117.1	131.1	129.7	129.8	119.7
DAIRY PRODUCTS	202	1.14	113.8	109.0	110.3	110.7	113.9	117.4	120.1	122.4	125.3	122.2	120.1	116.8	113.7	112.3
BUTTER	2021	.04	79.7	75.1	85.6	104.8	102.0	91.8	99.7	100.9	92.3	83.6	72.9	73.3	84.3	79.4
CHEESE	2022	.07	212.0	198.2	209.6	202.4	215.3	229.4	239.6	251.2	250.1	218.1	209.9	201.1	197.2	199.4
CONCENTRATED MILK	2023	.12	58.3	43.0	50.9	50.3	56.2	58.5	69.6	75.7	79.9	71.1	63.1	51.9	46.2	43.3
FROZEN DESSERTS	2024	.13	121.2	97.8	90.2	92.7	107.6	126.7	130.7	136.5	158.5	159.4	154.1	138.5	115.3	104.5
CANNED AND FROZEN FOODS	203	1.18	151.6	159.9	139.0	140.9	148.9	151.1	153.0	154.5	159.1	160.9	174.3	195.7	185.7	166.9
GRAIN MILL PRODUCTS	204	.95	154.2	162.7	160.1	165.8	167.7	166.0	158.9	161.1	163.5	164.2	173.0	171.2	174.8	172.7
FLOUR & CORN MILL.	2041,6	.28	105.0	101.3	95.8	107.5	113.5	112.0	104.1	100.4	98.8	97.8	106.0	106.1	111.2	107.9
BAKERY PRODUCTS	205	1.15	110.6	108.7	105.3	101.9	98.9	102.3	104.7	106.1	118.4	123.8	124.3	125.4	117.9	113.0
SUGAR	206	.21	122.5	170.4	165.8	151.2	118.3	107.1	112.2	108.9	106.9	99.0	106.0	116.0	157.3	163.0
CONFECTIONERY	207	.41	113.0	129.6	89.6	88.8	123.7	114.2	92.5	89.1	91.9	65.7	130.4	158.2	127.0	117.0
BEVERAGES	208	1.58	156.7	151.5	143.4	146.0	143.2	164.4	169.1	173.6	183.6	180.8	181.1	177.3	172.4	161.9
BEER AND ALE	2082,3	.52	140.7	116.3	110.7	126.0	129.0	160.2	168.6	172.9	174.1	167.5	151.4	136.9	132.6	
WINES AND BRANDY	2084	.07	203.7	246.4	231.2	194.9	184.2	228.3	200.9	206.3	218.0	176.1	202.3	228.4		
LIQUORS	2085	.24	120.9	136.0	116.1	112.4	107.4	126.4	115.7	114.0	130.2	97.1	123.1	128.1	145.5	138.8
SOFT DRINKS	2086,7	.74	175.5	173.1	167.6	166.7	161.3	174.2	184.2	190.6	204.7	217.9	219.2	217.5	202.0	192.6
MISC. FOOD PREPARATIONS	209	.97	131.1	134.7	135.4	139.2	140.3	129.6	129.7	124.4	122.3	117.5	121.0	121.9	130.4	137.0
FATS AND OILS	2091-4,6	.30	129.8	138.6	138.3	137.3	146.9	135.0	120.8	112.5	111.6	99.3	105.6	113.2	131.7	140.9
COFFEE, MISC. FOOD	2095,7-9	.67	131.8	133.0	134.0	140.1	137.4	127.1	133.7	129.8	127.2	125.8	128.0	125.8	129.9	
TOBACCO PRODUCTS	21	.67														
CIGARETTES	211	.54	120.1	122.9	94.2	120.6	126.0	102.6	109.5	106.1	128.6	100.2	127.7	116.4	123.7	114.1
CIGARS	212	.07	74.6	74.7	48.6	60.4	73.4	76.8	63.3	68.0	70.2	47.7	66.3	71.4	82.0	75.6
TEXTILE MILL PRODUCTS	22	2.69														
FABRICS	221-4	1.05	103.1	98.7	96.3	102.3	101.0	103.4	98.4	101.6	95.7	77.8	99.0	96.6	104.9	101.0
COTTON FABRICS	221,4	.60	80.8	77.4	72.0	78.8	81.7	81.0	78.6	78.7	76.5	61.4	76.5	75.5	86.0	78.5
MAN-MADE FABRICS	222	.30	170.0	163.9	164.0	165.6	164.0	172.5	159.6	169.0	155.3	129.1	167.7	162.8	168.4	
WOOL FABRICS	223	.14	54.7	49.5	54.8	66.8	48.5	51.0	51.1	55.3	49.6	37.6	47.2	44.5	49.8	
KNIT GOODS	225	.63	189.8	179.0	166.2	161.0	179.8	187.5	193.3	196.0	213.5	194.0	213.3	215.7	206.3	193.7
HOSIERY	2251,2	.21	180.5	166.6	144.2	156.1	179.8	197.1	194.6	177.2	193.5	184.2	187.1	191.6	205.8	
KNIT GARMENTS	2253-9	.42	194.4	185.4	177.3	163.5	180.0	182.6	192.6	205.5	223.8	198.7	226.5	228.0	206.8	197.1
FABRIC FINISHING	226	.23	130.9	129.1	126.0	135.9	143.5	157.3	153.1	150.5	155.6	106.9	148.3	147.1	160.0	
CARPETING	227	.20	166.4	176.6	153.3	146.2	159.4	165.5	172.6	179.2	181.2	171.1	176.6	203.6	218.8	207.1
YARN & MISC. TEXTILES	228,9	.57	130.5	117.7	125.3	126.2	125.0	130.2	128.8	128.7	125.7	108.0	128.8	128.7	138.6	135.7
APPAREL PRODUCTS	23	3.33														
MEN'S OUTERWEAR	231,2	1.06	104.7	102.8	92.5	103.9	114.7	118.3	114.0	109.6	112.6	85.6	113.9	127.1	128.0	114.3
MEN'S SUITS AND COATS	231	.34	88.7	87.8	79.3	89.9	94.1	98.4	92.9	85.7	87.7	62.9	92.1	104.9	108.9	92.4
MEN'S FURNISHINGS	232	.69	114.1	111.6	100.0	112.3	126.7	130.1	126.3	123.1	126.7	97.5	126.5	140.4	139.8	127.0
WOMEN'S OUTERWEAR	233	1.05	155.7	153.4	131.1	150.9	167.4	160.1	157.6	149.2	156.5	130.5	159.6	167.2	165.6	141.9
MISC. APP. & ALLIED GDS	234-9	1.20	108.4	104.7	103.0	100.6	107.1	105.1	104.9	107.7	116.3	111.9	122.6	123.3	116.7	112.6
LUMBER AND PRODUCTS	24	1.64														
LOGGING AND LUMBER	241,2	.82	105.9	105.5	90.4	101.7	110.7	109.4	115.0	111.9	112.6	111.5	111.3	117.8	119.0	109.7
LUMBER	242	.59	105.8	103.5	83.1	103.0	112.3	112.9	119.0	113.3	110.1	108.6	109.6	117.3	119.9	
LUMBER PRODUCTS	243,4,9	.82	144.2	148.1	143.8	144.3	152.9	156.8	153.2	157.9	159.0	148.4	161.1	161.6	162.5	160.4
MILLWORK AND PLYWOOD	243	.50	155.3	159.0	154.5	155.8	164.8	170.9	164.4	171.9	172.5	157.4	177.6	177.6	177.0	
PLYWD, PREFAB PROD	2432,3	.29	176.7	180.0	171.9	178.0	191.7	198.8	186.0	196.0	191.4	165.7	196.8	195.4	194.2	
FURNITURE AND FIXTURES	25	1.37														

Table 6. (continued)
DETAILED OUTPUT SERIES

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1976			1977											
		PRO- TION	1976 AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
PAPER AND PRODUCTS	261	3.21															
PULP AND PAPER	261-31	1.38	130.7	130.2	126.3	127.3	132.8	132.7	131.2	135.6	136.1	132.7	135.8	132.6	131.9	130.5	
WOOD PULP	2611	.50	128.5	129.2	121.9	121.0	134.1	128.3	128.2	130.2	131.8	127.7	127.9	126.5	127.1	126.5	
PAPER	2621	.54	130.4	129.7	127.8	131.2	131.4	133.2	130.5	137.4	136.6	136.5	142.2	135.4	134.3	133.0	
PAPERBOARD	2631	.34	134.3	132.4	130.5	130.4	133.0	138.1	136.8	140.8	141.5	134.1	137.8	137.2	134.8	132.6	
CONVERTED PAPER PROD.	2641	.93	138.7	137.4	139.5	139.2	141.9	141.1	142.6	145.8	147.7	145.3	149.6	148.3	146.5	147.6	
SANITARY PAPER PROD.	2647	.18	129.8	132.4	134.1	131.2	126.8	131.3	133.8	131.8	139.9	141.2	137.6	133.3	131.7	129.9	
PAPERBOARD CONTAINERS	2651	.84	132.2	132.8	131.7	127.3	139.6	135.6	139.9	143.3	140.8	137.2	136.4	140.7	137.4	141.5	
BUILDING PAPER AND BOARD	2661	.06	109.2	109.5	110.0	105.3	97.5	115.3	107.9	110.8	116.6	112.8	119.7	112.3	117.2	121.2	
PRINTING AND PUBLISHING	271	4.72															
NEWSPAPERS	2711	1.38	98.2	101.6	102.0	101.1	96.9	100.4	99.3	99.9	102.3	102.2	102.4	103.6	104.4	105.8	
PERIOD., BOOKS, CARDS	272, 3, 7	1.38	114.7	115.0	120.2	119.5	115.2	120.3	119.4	121.4	117.5	119.8	118.0	118.4	117.7	121.9	
JOB PRINTING	274-6, 8, 9	1.96	140.6	135.1	140.0	144.9	145.6	144.3	143.0	143.8	144.3	144.5	145.8	142.0	142.7	139.9	
CHEMICALS AND PRODUCTS	281	7.74															
CHEMICALS & SYN. MAT.	281, 21	3.79	182.9	186.2	184.0	181.5	190.1	198.8	199.4	200.3	203.6	200.2	200.7	196.9	196.7	198.0	
BASIC CHEMICALS	2811	2.54	158.6	161.2	158.4	155.6	161.8	167.7	169.3	168.7	170.2	166.7	166.7	164.3	163.5	164.0	
ALKALIES & CHLORINE	2812	.14	115.0	114.8	112.6	108.8	116.4	120.0	121.0	114.9	125.0	115.5	117.3	119.5	119.4	111.7	
GASES, ETC.	2813, 5, 6	.48	165.0	174.6	151.1	164.3	157.1	174.6	180.0	181.8	178.7	170.5	174.4	161.2	168.2		
BASIC ORG. CHEM.	2818	1.18	183.5	185.2	184.3	184.8	196.9	196.4	195.7	194.6	195.0	195.8	194.4	190.7	189.3	190.4	
INORG. CHEM. NEC	2819	.75	123.6	124.1	131.2	113.4	118.1	126.9	130.0	129.7	134.7	128.6	134.4	133.3	128.3	122.9	
ACIDS & FERTILIZER MAT.		.55	116.3	119.4	121.4	109.9	115.4	123.9	125.1	122.4	125.4	120.4	127.7	127.3	125.3	119.2	
SULFURIC ACID, ETC.		.41	110.5	113.3	114.9	104.8	110.3	117.0	118.1	113.8	119.3	110.5	119.2	118.9	118.3	111.3	
FERTILIZER MATERIALS		.14	133.3	137.8	141.0	124.5	130.0	143.7	145.3	147.5	143.9	149.0	152.2	152.3	145.8	142.3	
ERDA NUCLEAR MATLS		.15	160.1	150.5	178.4	131.9	135.5	148.1	159.2	168.0	181.8	169.9	171.6	167.7	150.4	145.9	
SYNTHETIC MATERIALS	2821	1.25	232.6	236.8	236.3	233.9	247.4	262.1	260.8	264.6	271.3	268.4	266.2	263.7	264.6	267.5	
PLASTICS MATERIALS	2821	.54	280.4	287.6	275.6	273.0	291.9	316.6	319.9	324.0	327.2	337.8	327.2	324.5	336.4		
SYNTHETIC RUBBER	2822	.13	118.7	130.9	131.5	123.4	126.6	127.2	122.4	126.4	129.1	121.4	122.2	127.1	123.3		
MAN-MADE FIBERS	2823, 4	.58	214.3	213.8	223.8	223.2	233.9	242.2	237.7	240.9	251.9	237.6	237.0	238.5	229.9	238.7	
CHEMICAL PRODUCTS	283-7, 9	3.95	156.1	162.3	162.4	163.2	160.8	162.3	162.8	165.9	165.3	164.3	167.1	164.6	165.4	169.5	
DRUGS AND MEDICINES	2831	1.34	192.4	202.3	206.2	207.0	203.0	206.6	209.4	215.3	213.5	211.5	214.7	212.5	210.3	215.8	
SOAP AND TOILETRIES	2841	1.29	139.4	145.0	148.9	149.1	147.0	144.7	145.1	145.2	145.9	145.7	149.9	145.8	149.4	153.5	
PAINTS	2851	.43	123.1	124.4	105.9	109.5	106.7	111.3	106.2	112.5	111.3	106.2	110.2	102.1	106.5	113.2	
AGRICULTURAL CHEMICALS	2871	.33	195.1	200.3	198.6	199.2	199.0	199.6	202.5	205.6	207.6	210.7	211.0	215.9	214.2	214.9	
PETROLEUM PRODUCTS	291	1.79															
PETROLEUM REFINING	291, 9	1.64	133.5	137.9	139.6	139.8	145.2	143.9	144.0	143.5	140.9	141.1	140.9	143.6	140.0	143.0	
AUTOMOTIVE GASOLINE		.84	138.6	140.9	143.8	141.8	144.2	146.4	148.3	144.0	141.6	139.6	139.4	139.8	139.2	145.2	
DISTILLATE FUEL OIL		.29	132.6	141.9	139.5	146.6	160.6	147.3	144.2	146.3	138.4	145.6	146.3	153.0	146.3	148.9	
RESIDUAL FUEL OIL		.05	182.1	198.2	193.9	205.5	216.6	214.5	231.7	238.0	251.0	246.1	234.6	254.3	250.1	207.8	
AVIATION FUEL & KEROS.		.17	95.3	94.1	97.4	101.7	100.0	96.6	99.4	102.4	101.9	100.5	107.9	109.3	97.7	97.0	
MISC. PETROLEUM PROD.		.28	134.2	141.3	144.1	139.1	147.3	149.8									
REFINERY FUEL NEC		.06	131.9	135.7	133.2	132.3	137.7	135.2									
REFINERY NONFUEL MAT.		.14	150.9	162.4	167.3	164.3	170.5	171.5									
REFINERY PRODUCTS NEC		.08	105.7	107.7	109.5	99.1	112.4	121.2									
RUBBER & PLASTICS PROD.	301	2.24															
TIRES	3011	.60	129.2	166.1	173.0	169.6	163.3	165.9	167.6	169.1	174.1	180.0	172.4	162.8	163.2	171.6	
RUB. PROD. EX. TIRES	302, 3, 6	.66	143.8	146.8	149.3	149.5	148.4	152.8	153.4	154.7	155.4	154.5	151.0	154.9	154.9	153.2	
PLASTICS PRODUCTS NEC	3071	.98	281.9	293.0	288.5	296.1	302.8	310.6	310.9	322.5	327.8	335.9	338.2	342.4	331.4	342.6	
LEATHER AND PRODUCTS	311	.86															
PERS. LEATHER GDS.	313, 5-7, 9	.22	99.6	97.5	96.8	94.6	99.9	101.6	100.8	101.3	101.1	96.6	100.1	98.1	99.6	97.4	
SHOES	3141	.53	74.0	66.5	64.6	67.0	64.6	61.9	63.5	65.4	62.6	61.8	64.2	62.7	66.8	70.4	
CLAY, GLASS, & ST. PROD.	321	2.74															
PRESSED AND BLOWN GLASS	3221	.49	141.8	146.8	142.4	135.0	143.4	143.9	141.5	139.5	144.7	144.3	155.5	134.7	140.5	148.8	
GLASS CONTAINERS	3221	.28	134.6	140.6	132.0	126.5	143.0	140.7	131.3	130.8	134.5	139.3	155.1	117.9	128.1	140.6	
CEMENT	3241	.27	103.0	104.4	106.0	82.9	104.9	114.8	115.1	115.0	116.0	112.9	109.3	111.2	114.9		
STRUCTURAL CLAY PRODUCTS	3251	.20	111.6	113.9	114.4	101.5	97.5	106.4	110.9	115.8	119.8	115.8	118.3	122.8	116.8	120.3	
BRICK	3251	.08	105.9	107.7	109.8	81.1	81.8	103.2	110.0	116.1	125.1	119.0	124.7	130.8	119.7	127.2	
CONCRETE, MISC. CLAY MFR.	326-9	1.51	134.6	141.7	141.8	141.4	140.0	145.0	146.6	146.0	147.9	150.7	149.0	148.8	149.8	150.1	
PRIMARY METALS	331	6.57															
IRON AND STEEL	331, 21	4.21															
BASIC STEEL & MILL PRD	3311	3.34	105.6	98.7	93.0	87.1	89.9	97.1	103.1	111.6	108.9	110.1	109.7	101.8	105.8	100.6	
BASIC IRON AND STEEL		1.34	100.7	95.7	90.1	84.6	87.7	95.4	97.8	104.0	106.5	101.0	102.8	101.3	99.1	95.3	
PIG IRON		.46	98.5	92.8	86.4	79.9	83.2	90.3	94.5	100.4	101.8	96.9	97.7	97.7	93.2	88.8	
RAW STEEL		.72	104.4	97.9	92.7	88.3	91.4	101.3	102.8	110.5	113.9	106.7	110.8	108.0	106.4	102.8	
COKE AND PRODUCTS		.16	90.1	94.5	89.0	80.9	83.9	83.9	84.2	84.5	86.8	87.2	80.7	80.9	82.8	79.9	
STEEL MILL PRODUCTS		2.01	108.9	100.7	94.9	88.7	91.4	98.2	106.8	116.7	110.4	116.3	114.1	102.2	110.4	104.2	
CONSUMER DUR. STEEL		.31	128.0	127.1	114.5	107.7	109.7	104.4	119.0	140.0	133.5	138.9	127.8	120.0	132.4	121.4	
EQUIPMENT STEEL		.51	111.8	108.2	100.6	91.3	95.4	101.6	114.2	126.0	114.3						

Table 7. (continued)
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967		1976		1977												
		PRD-1 TTONI	POR-1 AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.		
PAPER AND PRODUCTS	26	3.21																
PULP AND PAPER	261-3	1.38	130.7	131.6	114.7	127.0	137.1	137.1	135.8	136.6	139.1	123.8	136.8	128.0	135.9	132.1		
WOOD PULP	261	.50	128.5	131.5	110.3	120.5	136.8	132.0	132.6	132.9	135.4	121.7	129.2	121.6	130.1	128.8		
PAPER	262	.54	130.4	131.0	119.2	131.2	137.0	138.3	135.1	139.6	138.6	124.8	141.1	131.6	138.6	134.3		
PAPERBOARD	263	.34	134.3	132.9	114.1	129.9	137.9	142.7	141.7	145.6	145.3	125.1	141.1	131.7	140.1	133.1		
CONVERTED PAPER PROD.	264	.93	138.7	138.2	129.5	141.0	147.4	147.4	147.7	149.2	148.4	134.0	147.2	144.3	150.6	148.5		
SANITARY PAPER PROD.	2647	.18	129.8	134.4	125.0	131.3	133.0	136.3	138.6	134.6	139.3	130.6	136.4	127.2	137.1	131.8		
PAPERBOARD CONTAINERS	265	.84	132.2	132.9	118.0	121.4	141.4	139.4	142.1	142.3	143.2	129.4	138.8	146.9	147.8	141.6		
BUILDING PAPER AND BOARD	266	.06	109.2	105.1	93.2	95.4	100.0	120.6	115.4	115.8	120.1	107.6	127.7	112.6	122.0	116.4		
PRINTING AND PUBLISHING	27	4.72																
NEWSPAPERS	271	1.38	98.2	109.5	102.7	93.1	94.8	102.1	103.7	105.4	102.4	92.2	96.3	103.3	110.5	114.2		
PERIOD., BOOKS, CARDS	272,3,7	1.38	114.7	113.0	110.1	107.7	108.4	112.7	113.3	115.2	122.7	127.9	132.9	132.2	125.6	119.8		
JOB PRINTING	274-6,8,9	1.96	140.6	134.8	130.5	127.5	130.9	129.7	131.6	139.1	151.7	159.2	166.7	162.4	151.8	139.6		
CHEMICALS AND PRODUCTS	28	7.74																
CHEMICALS & SYN. MAT.	281,2	3.79	182.9	186.9	183.8	176.4	189.3	199.4	202.6	202.3	205.4	194.6	198.9	199.1	198.9	198.8		
BASIC CHEMICALS	281	2.54	158.6	162.7	160.6	153.0	157.4	166.0	170.0	169.5	169.2	165.4	167.4	165.4	168.2	165.3		
ALKALIES & CHLORINE	2812	.14	115.0	118.7	114.1	104.9	116.9	118.3	122.8	116.6	124.0	114.8	116.4	117.2	120.2	115.5		
GASES, ETC.	2813,5,6	.48	165.0	168.0	151.3	155.9	160.4	173.7	182.0	185.1	186.7	170.5	170.7	162.2	170.1			
BASIC ORG. CHEM.	2818	1.18	183.5	188.7	186.9	183.3	184.3	190.5	192.6	190.9	193.2	199.3	198.9	197.0	196.1	194.0		
INORG. CHEM. NEC	2819	.75	123.6	126.8	134.1	112.7	121.1	131.8	135.9	136.1	128.9	118.6	125.5	126.8	132.2	125.6		
ACIDS & FERTILIZER MAT.		.55	116.3	121.0	121.2	105.2	119.3	126.8	130.6	128.4	126.2	114.3	121.7	124.4	124.8	120.8		
SULFURIC ACID, ETC.		.41	110.5	115.3	115.2	100.9	113.6	118.8	121.1	118.4	119.7	106.5	114.2	116.6	117.8	113.3		
FERTILIZER MATERIALS		.14	133.3	137.5	138.9	117.9	135.6	150.0	157.9	156.9	144.8	136.3	143.7	147.3	145.4	142.0		
ERDA NUCLEAR MATLS		.15	160.1	158.2	194.1	145.4	135.9	162.5	169.2	177.7	149.6	142.0	148.8	145.6	171.6	153.3		
SYNTHETIC MATERIALS	282	1.25	232.6	236.3	231.1	224.1	254.3	267.3	269.1	269.1	279.2	254.2	263.0	267.7	261.4	267.2		
PLASTICS MATERIALS	2821	.54	280.4	285.0	269.0	254.4	300.9	325.8	331.4	331.1	339.0	315.5	328.0	334.2	335.1			
SYNTHETIC RUBBER	2822	.13	118.7	129.2	127.8	123.6	129.5	129.1	128.2	129.4	126.4	115.9	120.5	126.3	124.5			
MAN-MADE FIBERS	2823,4	.58	214.3	215.7	219.5	219.0	239.7	244.6	243.4	243.6	258.7	229.0	235.3	238.3	224.2	240.8		
CHEMICAL PRODUCTS	283-7,9	3.95	156.1	159.1	151.2	150.5	152.8	157.8	161.2	166.9	173.6	172.2	173.1	176.4	171.9	166.4		
DRUGS AND MEDICINES	2831	1.34	192.4	200.5	187.4	186.9	188.4	193.4	201.7	213.1	227.4	228.4	238.8	234.8	223.6	213.9		
SOAP AND TOILETRIES	284	1.29	139.4	143.0	141.2	137.3	141.1	143.5	142.8	145.1	148.8	153.0	152.0	157.0	156.1	151.4		
PAINTS	285	.43	123.1	109.0	83.8	94.7	103.7	114.3	116.2	122.9	129.6	110.6	117.8	106.7	103.0	98.8		
AGRICULTURAL CHEMICALS	287	.33	195.1	196.3	198.8	193.6	193.0	207.2	214.4	214.9	211.1	204.0	206.6	209.9	213.1	210.6		
PETROLEUM PRODUCTS	29	1.79																
PETROLEUM REFINING	291,9	1.64	133.5	138.5	142.1	139.6	143.4	138.7	138.5	139.6	142.9	145.1	145.0	144.6	140.8	143.4		
AUTOMOTIVE GASOLINE		.84	138.6	140.6	145.4	140.5	138.1	139.1	141.2	141.1	144.7	147.1	146.7	143.0	139.9	144.9		
DISTILLATE FUEL OIL		.29	132.6	144.3	147.7	153.1	167.5	144.2	136.7	139.3	139.8	143.9	144.5	148.3	147.2	151.4		
RESIDUAL FUEL OIL		.05	182.1	209.1	234.4	249.9	257.3	226.9	221.0	212.8	225.4	217.1	202.2	223.3	226.6	219.2		
AVIATION FUEL & KEROS.		.17	95.3	96.3	99.3	102.9	106.5	99.9	99.7	98.1	97.5	95.3	104.2	108.3	99.5	99.2		
MISC. PETROLEUM PROD.		.28	134.2	139.5	137.0	126.7	136.7	140.2										
REFINERY FUEL NEC		.06	131.9	130.8	131.2	129.4	133.6	133.4										
REFINERY NONFUEL MAT.		.14	150.9	162.9	168.0	159.2	170.3	166.9										
REFINERY PRODUCTS NEC		.08	105.7	102.9	85.6	66.4	78.6	97.9										
RUBBER & PLASTICS PROD.	30	2.24																
TIRES	301	.60	129.2	159.8	167.1	182.1	185.8	185.3	174.0	163.9	173.6	126.9	154.8	163.9	174.5	165.9		
RUB. PROD. EX. TIRES	302,3,6	.66	143.8	151.1	149.9	145.2	149.9	153.0	152.2	153.9	157.3	145.2	152.2	157.5	157.8	157.6		
PLASTICS PRODUCTS NEC	307	.98	281.9	299.7	278.4	276.3	309.8	316.5	315.3	326.0	335.3	313.7	337.2	346.9	345.0	350.5		
LEATHER AND PRODUCTS	31	.86																
PERS. LEATHER GDS.	313,5-7,9	.22	99.6	102.4	97.9	89.7	98.5	100.8	97.3	99.8	103.3	92.1	102.8	100.3	103.3	102.3		
SHOES	314	.53	74.0	62.2	58.8	66.4	69.0	66.5	65.9	64.9	65.7	51.7	65.5	65.1	69.8	65.8		
CLAY, GLASS, & ST. PROD.	32	2.74																
PRESSED AND BLOWN GLASS	322	.49	141.8	141.5	125.7	125.1	140.5	149.4	144.5	144.5	153.0	143.9	161.7	134.6	148.6	143.1		
GLASS CONTAINERS	3221	.28	134.6	131.5	110.5	119.0	141.4	147.7	132.7	135.0	147.0	139.2	166.0	115.4	135.8	131.5		
CEMENT	324	.27	103.0	101.4	71.2	45.6	73.0	96.3	116.7	128.7	144.3	132.5	139.9	134.3	141.2			
STRUCTURAL CLAY PRODUCTS	325	.20	111.6	116.3	110.4	97.5	94.6	105.9	113.4	118.3	121.8	115.3	121.3	122.3	120.3	123.3		
BRICK	3251	.08	105.9	109.9	98.7	70.0	75.4	103.8	113.2	122.8	130.2	121.1	133.6	132.4	126.4	129.7		
CONCRETE, MISC. CLAY MFR.	326-9	1.51	134.6	146.1	140.0	134.8	135.7	141.1	147.0	147.0	151.5	148.7	150.9	152.2	153.8	154.8		
PRIMARY METALS	33	6.57																
IRON AND STEEL	331,2	4.21																
BASIC STEEL & MILL PRD	331	3.34	105.6	94.1	89.3	87.8	93.6	104.4	112.8	119.5	111.3	103.1	101.1	96.9	101.8	96.0		
BASIC IRON AND STEEL		1.34	100.7	92.1	87.3	85.3	91.8	103.1	106.4	110.8	108.6	95.5	94.6	94.8	94.7	91.6		
PIG IRON		.46	98.5	88.6	84.3	80.4	86.7	96.4	102.5	107.0	104.5	94.1	90.8	90.6	88.6	84.8		
RAW STEEL		.72	104.4	94.6	89.1	89.2	96.3	111.0	112.9	118.1	115.7	98.8	100.7	101.4	102.0	99.3		
COKE AND PRODUCTS		.16	90.1	90.4	87.7	81.2	87.1	86.4	88.8	88.4	88.8	85.2	78.4	77.7	79.1	76.5		
STEEL MILL PRODUCTS		2.01	108.9	95.5	90.6	89.5	94.8	105.3	117.0	125.3	113.1	108.2	105.4	98.3	106.6	98.9		
CONSUMER DUR. STEEL		.31	128.0	122.9														

Table 6. (continued)
DETAILED OUTPUT SERIES

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1976	1976		1977										
		PRO- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
NONFERROUS METALS	333-6,9	2.36	115.9	112.4	116.1	121.7	116.4	126.8	126.8	127.9	124.0	118.0	114.5	117.0	123.7	121.8
PRIMARY NONF. METALS	3331	.45	123.0	129.7	133.3	131.3	127.8	126.2	127.8	125.9	123.8	108.6	111.9	121.6	124.9	127.8
COPPER	33311	.09	138.1	138.4	148.7	139.5	147.7	141.9	145.4	147.6	144.2	66.3	77.9	125.5	122.1	129.1
ALUMINUM	33341	.27	129.7	144.6	145.1	144.6	137.7	134.5	136.4	136.4	136.4	138.4	138.8	138.0	140.0	142.6
SECONDARY NONF. METALS	3341	.09	142.5	153.7	143.0	138.2	145.0	147.2	136.6	143.5	147.1	148.9	156.1	161.7		
NONFERROUS PRODUCTS	335,6	1.45	123.2	116.1	123.3	130.6	122.5	139.3	138.4	138.5	133.2	126.4	119.3	120.1	130.8	125.8
NONFERROUS MILL PROD	3351	1.09	130.9	120.6	130.5	138.4	127.5	149.9	149.5	148.9	142.0	129.4	122.9	125.9	138.8	131.7
COPPER MILL PROD		.48	112.3	90.9	102.4	131.0	108.2	131.8	132.5	126.0	125.6	97.6	79.8	76.9	108.9	93.4
ALUMINUM MILL PROD		.61	145.5	143.9	152.5	144.3	142.7	164.1	163.1	166.9	154.9	154.3	156.8	164.3	162.1	161.7
CONSTRUCTION		.13	161.6	158.4	157.0	177.6	169.1	185.1	179.4	192.6	174.3	182.9	186.0	182.7	181.6	191.4
NONCONSTRUCTION		.48	141.0	140.0	151.1	135.1	135.5	158.6	158.7	159.9	149.7	146.3	149.0	159.5	156.9	153.6
NONFERROUS FOUNDRIES	3361	.35	99.5	101.9	101.1	106.3	106.9	106.5	104.0	106.0	106.0	117.4	107.8	102.0	105.6	107.0
FABRICATED METAL PRODUCTS	34	5.93														
METAL CANS	3411	.38	136.7	136.4	139.8	137.1	138.1	138.6	138.4	138.4	144.3	143.8	142.2	144.1	145.5	144.7
HOME, PLUMB, STRUCT, MET	342-41	2.67	129.9	133.0	134.2	131.3	131.3	131.1	131.0	131.2	132.9	134.5	141.6	140.1	137.0	137.9
HARDWARE, TOOLS, CUTL	3421	.76	118.4	125.9	127.8	122.1	123.5	123.5	124.8	124.7	122.8	125.9	131.6	130.2	125.9	124.7
STRUCTURAL METAL PROD	3441	1.62	135.7	135.8	136.6	135.5	134.4	134.3	133.4	133.5	136.6	136.4	145.2	143.3	141.3	142.5
OTHER FAB. MET. PROD.	345-91	2.89	115.4	119.7	121.3	119.3	119.4	122.3	123.2	123.8	127.2	127.4	127.1	126.4	126.9	129.6
FASTENERS, STAMP, ETC	345-81	2.03	109.4	113.4	113.9	111.9	113.2	115.8	116.5	117.2	121.0	122.3	121.6	120.6	121.2	124.2
NONELECTRICAL MACHINERY	35	9.15														
ENGINE AND FARM EQUIP.	351,21	1.20	152.8	152.5	159.4	161.6	159.5	157.6	160.2	157.9	154.4	165.3	165.1	163.4	167.3	165.5
FARM TRACTORS		.19	103.6	100.5	108.4	119.6	124.0	104.5	107.3	119.9	109.4	109.1	96.6	80.2	100.9	108.8
CONSTRUCTION & ALLIED EQ	3531	1.36	137.8	138.8	145.1	143.6	143.6	141.2	144.3	148.1	150.7	152.1	150.8	153.5	158.1	156.0
TRACKING TRACTORS		.16	92.1	87.6	105.0	104.6	104.5	90.0	94.3	94.8	96.7	96.3	93.0	96.1	116.8	107.0
METALWORKING MACHINERY	3541	1.67	98.4	101.7	105.5	101.9	102.4	102.3	105.9	105.2	110.9	112.3	111.0	113.8	111.0	110.1
SPEC. & GENL IND EQ	355,61	2.30	111.2	112.7	113.0	110.5	110.8	112.1	114.5	114.8	115.3	117.6	116.8	118.5	117.6	118.0
OFFICE, SERV., & MISC.	357-91	2.63	169.6	174.8	180.3	178.6	178.3	179.1	182.8	181.2	181.8	179.1	182.6	183.5	183.5	186.5
ELECTRICAL MACHINERY	36	8.05														
MAJOR ELECT. EQ. & PTS.	361,21	1.74	114.5	120.1	120.6	117.9	119.6	119.5	118.4	121.7	123.0	122.6	125.4	127.0	122.7	125.3
HOUSEHOLD APPLIANCES	3631	.83	129.0	129.6	113.9	129.3	139.4	147.1	145.8	152.3	162.0	138.5	155.8	149.3	146.4	147.4
COOKING STOVES	36311	.08	111.9	112.0	109.6	96.4	112.0	122.9	119.3	128.9	139.8	113.3	161.4	128.8	132.4	144.6
REFRIGERATION APPL.	36321	.26	106.9	99.6	84.3	109.6	117.2	123.0	121.8	137.5	155.2	131.8	141.1	137.9	120.7	120.6
LAUNDRY APPLIANCES	36331	.13	118.3	115.7	96.3	108.2	143.3	156.7	150.1	159.0	164.8	97.8	143.3	133.6	129.1	135.7
MISC. APPLIANCES	3634-6,91	.36	153.3	161.2	143.0	159.3	160.3	167.0	167.7	165.6	171.0	164.6	169.9	168.4	175.1	171.9
TV AND RADIO SETS	3651	.52	99.7	100.0	92.1	96.2	92.9	94.6	106.1	111.9	98.7	135.2	102.7	113.4	107.3	110.7
COMMUNICATION EQUIPMENT	3661	2.30	107.7	109.4	109.4	108.5	111.5	111.9	112.7	113.0	114.2	114.7	115.5	116.0	116.8	117.8
ELECTRONIC COMPONENTS	3671	1.43	189.6	199.4	198.8	194.1	198.3	195.5	200.6	202.7	202.4	202.0	206.8	203.1	204.9	205.6
TV TUBES	3671-31	.31	39.8	39.0	33.1	40.0	37.5	30.5	39.9	42.2	37.3	45.2	43.7	32.7	36.1	
MISC. ELECTRICAL SUPP.	3691	.49	158.0	160.9	168.8	160.9	175.1	174.8	173.2	173.3	173.4	175.2	178.6	176.2	176.2	174.6
STORAGE BATTERY, REPL.	36911	.09	186.7	184.3	205.0	207.3	225.1	221.1	212.8	212.8	204.4	191.1	212.2	200.5	228.9	193.2
TRANSPORTATION EQUIPMENT	37	9.27														
MOTOR VEHICLES AND PARTS	3711	4.50														
AUTOS, TOTAL		1.90	132.0	138.4	156.3	136.9	132.8	155.8	150.6	148.5	156.8	161.4	150.9	151.6	154.3	147.5
LARGE AUTOS		1.79	89.5	97.4	113.1	103.6	102.6	117.5	117.6	112.9	117.7	120.7	109.0	105.7	111.2	106.1
SMALL AUTOS		.11	83.1	181.5	869.6	685.1	628.5	785.7	691.5	734.0	800.9	832.5	837.7	908.6	863.2	825.9
TRUCKS AND BUSES		.53	185.0	184.5	209.8	196.0	196.6	230.2	225.2	220.3	223.6	237.6	235.8	242.8	256.1	228.7
BUSINESS VEHICLES		.40	111.4	119.7	122.2	118.4	115.1	150.8	144.5	147.0	139.3	146.6	149.4	164.8		
UTILITY VEHICLES		.13	405.5	378.1	472.1	428.2	440.8	467.6	466.9	439.7	475.9	510.1	494.8	475.6		
TRUCK TRAILERS		.09	117.2	144.6	130.5	146.6	167.5	157.0	174.1	177.6	213.4	180.9	218.5	228.7	216.1	216.3
MOTOR VEHICLE PARTS		1.98	138.3	142.2	140.2	140.2	143.0	148.1	146.7	149.0	151.1	151.0	155.9	155.4	155.3	157.9
AIRCRAFT AND PARTS	3721	3.73	69.3	68.4	68.1	69.3	69.9	68.2	70.1	70.6	72.1	71.9	71.0	72.7	65.2	65.9
SHIPS AND BOATS	3731	.56	151.3	157.9	157.6	153.9	155.8	155.1	157.6	159.7	161.1	161.2	155.5	157.9	162.4	164.5
RAIL & MISC TRANS EQ	374,5,91	.49	101.1	97.3	102.7	112.1	102.5	106.2	102.5	110.9	109.7	120.7	127.7	122.2	124.5	123.0
RAILROAD EQUIPMENT	3741	.26	77.5	78.1	83.3	93.4	74.3	80.8	76.2	82.3	79.9	99.2	107.6	98.0	92.9	97.7
MOBILE HOMES	3791	.18	108.5	99.6	102.7	112.5	119.4	115.6	110.4	120.4	120.0	115.3	124.3	127.1	139.9	
INSTRUMENTS	38	2.11														
EQUIPMENT INSTR. & PTS.	381-41	1.07	148.4	151.6	158.4	157.9	161.1	161.2	162.2	161.5	164.0	164.5	166.2	166.8	169.0	170.1
CONSUMER INSTR. PROD.	385-71	1.04	147.9	149.1	153.0	149.8	153.3	152.4	153.3	153.4	152.3	153.1	150.3	153.8	154.0	152.4
MISC. MANUFACTURES	39	1.51														
MISC. CONS. GOODS	391,3,4,6,1	.86	146.4	146.2	151.3	151.3	151.8	149.0	147.0	149.2	150.0	154.9	150.1	152.6	152.6	152.0
MISC. BUS. SUPPLIES	395,91	.65	139.7	140.3	141.0	143.1	143.0	145.5	144.2	146.7	146.1	144.7	143.5	148.1	146.3	150.0
ELECTRIC UTILITIES		3.88	167.6													
ELEC UTIL GENERATION		1.90	164.2	172.0	171.3	183.7	174.3	165.3	161.0	171.7	172.5	178.2	171.7	171.6	169.3	
FOSSIL FUEL GENERATION		1.54	154.8	164.7	164.4	180.3	172.0	159.6	154.5	163.9	166.7	173.1	165.0	162.0	157.3	
HYDRO & NUCLEAR GENERAT.		.36	204.8	203.8	201.1	197.7	184.5	190.2	188.7	204.7	197.1	200.6	200.7	213.1	220.3	
ELEC UTIL SALES		1.98	170.8	171.6	180.7	183.7	183.7	174.3	179.4	178.9	180.9					
RESIDENTIAL KWH		.83	177.2	180.9	193.8	200.2	200.8									

Table 7. (continued)
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1976	1976		1977										
		PRO- POR- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
NONFERROUS METALS	333-6-9	2.36	115.9	109.7	109.7	119.9	121.9	135.3	134.5	134.0	133.1	105.3	108.5	115.1	124.2	118.8
PRIMARY NONF. METALS	333	2.45	123.0	131.1	132.6	130.6	131.5	130.4	130.2	129.5	125.8	105.3	107.3	119.4	124.0	128.9
COPPER	3331	.09	138.1	144.2	147.7	138.4	155.8	154.7	153.5	159.3	148.8	54.7	66.3	120.9	122.1	134.9
ALUMINUM	3334	.27	129.7	143.9	144.2	143.7	140.2	136.5	138.2	137.8	137.4	137.4	135.5	136.5	139.0	141.9
SECONDARY NONF. METALS	334	.09	142.5	152.9	131.4	136.5	157.0	159.0	151.3	148.5	150.0	123.4	147.4	158.1		
NONFERROUS PRODUCTS	335-6	1.45	123.2	111.6	113.8	126.9	128.1	149.6	149.1	146.8	145.5	110.5	112.7	117.9	131.2	120.6
NONFERROUS MILL PROD	335	1.09	130.9	114.8	120.7	132.7	132.2	161.1	161.8	159.0	156.1	116.7	116.9	122.4	137.3	125.2
COPPER MILL PROD		.48	112.3	90.3	97.2	125.4	111.1	142.9	147.2	136.6	141.8	78.6	71.2	74.1	109.7	92.7
ALUMINUM MILL PROD		.61	145.5	134.1	139.2	138.5	148.8	175.4	173.2	176.7	167.4	146.7	152.9	160.4	158.9	150.7
CONSTRUCTION		.13	161.6	149.8	138.0	165.2	172.8	195.3	190.3	199.0	189.8	175.0	187.1	182.7	185.4	181.1
NONCONSTRUCTION		.48	141.0	129.9	139.5	131.3	142.4	170.0	168.7	170.5	161.2	139.0	143.6	154.4	151.6	142.5
NONFERROUS FOUNDRIES	336	.35	99.5	101.3	92.6	108.6	115.3	113.8	109.7	108.9	112.3	91.3	99.3	103.7	112.3	106.4
FABRICATED METAL PRODUCTS	34	5.93														
METAL CANS	341	.38	136.7	130.7	129.2	131.9	137.0	136.4	136.2	138.3	146.8	151.3	152.6	150.3	147.1	138.6
HDWE, PLUMB, STRUCT, MET	342-4	2.67	129.9	135.3	133.7	128.8	134.1	133.6	131.4	131.7	133.3	129.3	136.2	140.4	140.7	140.2
HARDWARE, TOOLS, CUTL	342	.76	118.4	128.2	127.2	119.7	126.1	126.5	125.2	124.5	123.5	120.9	123.4	132.0	130.8	127.2
STRUCTURAL METAL PROD	344	1.62	135.7	138.5	136.9	132.8	136.6	135.9	133.1	134.3	136.7	131.8	141.9	142.6	144.3	145.4
OTHER FAB. MET. PROD.	345-9	2.89	115.4	120.8	119.8	115.0	121.9	124.3	123.7	124.5	128.9	121.3	124.9	128.5	129.9	130.8
FASTENERS, STAMP, ETC	345-8	2.03	109.4	114.6	112.5	107.8	115.6	117.9	117.4	118.3	122.5	115.3	118.9	122.6	124.8	125.6
NONELECTRICAL MACHINERY	35	9.15														
ENGINE AND FARM EQUIP.	351-2	1.20	152.8	151.4	157.3	160.1	164.1	163.4	161.5	158.4	161.3	152.2	153.9	168.6	171.3	164.2
FARM TRACTORS		.19	103.6	87.7	91.6	118.4	132.4	118.0	120.4	125.7	125.1	74.5	71.1	93.8	120.2	95.0
CONSTRUCTION & ALLIED EQ	353	1.36	137.8	141.9	142.6	138.1	147.6	142.9	146.8	146.2	152.5	146.2	146.1	160.3	158.3	159.3
TRACKLAYING TRACTORS		.16	92.1	85.8	88.6	97.9	110.9	99.3	105.9	100.1	105.0	81.2	79.4	107.0	116.6	104.9
METALWORKING MACHINERY	354	1.67	98.4	101.8	102.7	100.4	106.1	105.0	106.5	103.6	111.0	108.0	109.0	115.7	113.7	110.2
SPEC. & GENL IND EQ	355-6	2.30	111.2	114.3	110.9	107.4	112.2	112.1	113.8	114.2	117.6	114.5	116.0	121.9	119.4	119.9
OFFICE, SERV, & MISC.	357-9	2.63	169.6	173.8	168.6	167.9	175.1	173.5	177.9	179.8	188.9	188.2	189.4	194.0	189.0	185.0
ELECTRICAL MACHINERY	36	8.05														
MAJOR ELECT. EQ. & PTS.	361-2	1.74	114.5	118.4	115.1	114.4	117.2	118.8	119.0	122.4	126.7	124.4	124.0	129.5	128.3	123.5
HOUSEHOLD APPLIANCES	363	.83	129.0	129.0	98.6	128.7	142.0	158.0	151.0	151.8	166.4	131.2	144.1	156.2	164.4	146.4
COOKING STOVES	3631	.08	111.9	109.6	91.6	97.6	114.5	122.9	133.7	136.1	148.2	92.8	136.1	139.8	149.4	141.0
REFRIGERATION APPL.	3632	.26	106.9	92.7	63.2	110.3	118.8	133.7	136.8	145.6	171.6	148.7	99.6	134.5	133.7	113.4
LAUNDRY APPLIANCES	3633	.13	118.3	106.7	74.6	118.7	138.1	150.0	149.3	154.5	162.7	83.6	167.2	141.8	155.2	126.1
MISC. APPLIANCES	3634-6-9	.36	153.3	168.5	135.1	153.1	166.9	168.3	166.0	159.0	168.3	145.2	169.9	181.5	193.8	179.5
TV AND RADIO SETS	365	.52	99.7	109.2	86.0	92.9	99.0	96.9	101.3	111.9	100.2	97.9	101.3	123.4	123.9	121.1
COMMUNICATION EQUIPMENT	366	2.30	107.7	111.4	113.0	108.7	111.3	111.6	110.4	112.1	114.4	111.4	114.5	116.8	117.5	120.0
ELECTRONIC COMPONENTS	367	1.43	189.6	202.4	200.6	193.3	199.9	198.0	199.4	201.1	206.4	192.3	203.1	203.7	207.2	208.7
TV TUBES	3671-3	.31	39.8	38.2	29.6	39.4	40.7	34.5	42.1	41.1	36.6	30.8	42.8	35.5	42.1	
MISC. ELECTRICAL SUPP.	369	.49	158.0	174.3	178.8	166.4	171.1	161.9	159.7	160.5	165.4	163.3	178.6	190.8	193.3	189.4
STORAGE BATTERY, REPL.	3691	.09	186.7	229.8	238.0	234.7	217.0	172.9	153.0	151.7	161.7	158.4	224.3	263.0	294.1	240.9
TRANSPORTATION EQUIPMENT	37	9.27														
MOTOR VEHICLES AND PARTS	371	4.50														
AUTOS, TOTAL		1.90	132.0	144.9	129.3	141.1	146.7	169.4	163.2	166.9	180.9	130.7	91.6	142.7	173.9	150.4
LARGE AUTOS		1.79	89.5	102.6	95.7	109.8	117.0	128.7	128.2	127.7	135.9	90.5	56.7	98.9	125.7	108.8
SMALL AUTOS		.11	83.5	840.3	681.6	656.3	634.8	838.3	739.9	811.8	921.0	790.9	665.1	863.2	965.1	834.2
TRUCKS AND BUSES		.53	185.0	189.8	162.4	213.1	222.0	245.4	234.2	230.0	245.7	208.7	206.8	241.6	268.9	223.0
BUSINESS VEHICLES		.40	111.4	123.4	90.3	144.5	139.1	158.3	144.5	147.0	154.8	122.1	127.0	171.4		
UTILITY VEHICLES		.13	405.5	388.3	377.7	418.4	470.8	505.9	502.4	478.4	518.3	468.3	445.3	451.8		
TRUCK TRAILERS		.09	117.2	142.0	128.3	136.9	175.5	171.6	186.6	173.9	215.1	166.6	208.9	229.6	220.2	212.4
MOTOR VEHICLE PARTS		1.98	138.3	143.3	147.3	139.4	140.3	146.0	147.1	150.6	154.1	148.7	147.5	155.9	157.2	159.2
AIRCRAFT AND PARTS	372	3.73	69.3	70.1	70.4	69.3	70.2	68.4	69.5	70.1	71.2	70.2	69.2	72.8	65.8	67.5
SHIPS AND BOATS	373	.56	151.3	158.2	159.6	151.3	156.4	158.4	161.1	160.7	161.1	158.9	151.1	155.2	162.7	165.2
RAIL & MISC TRANS EQ	374, 379	.49	101.1	95.7	92.2	94.4	99.4	110.5	116.3	117.9	122.0	105.1	122.0	129.2	132.5	120.8
RAILROAD EQUIPMENT	374	.26	77.5	77.6	84.3	91.5	77.8	87.4	84.0	87.2	86.4	74.9	88.9	99.1	97.9	97.0
MOBILE HOMES	379	.18	108.5	93.6	75.6	79.9	102.8	116.3	131.4	129.5	139.4	121.4	135.9	139.2	149.8	
INSTRUMENTS	38	2.11														
EQUIPMENT INSTR. & PTS.	381-4	1.07	148.4	153.9	155.2	151.7	158.8	158.5	159.0	161.0	167.9	164.5	167.5	173.5	172.4	172.7
CONSUMER INSTR. PROD.	385-7	1.04	147.9	153.0	154.1	147.0	151.0	150.1	150.5	152.0	154.3	151.3	151.5	156.3	156.6	156.4
MISC. MANUFACTURES	39	1.51														
MISC. CONS. GOODS	391, 34, 4, 6	.86	146.4	149.7	143.6	137.7	149.5	145.1	146.1	147.4	152.8	147.9	156.9	167.6	161.5	155.6
MISC. BUS. SUPPLIES	395-9	.65	139.7	141.1	137.3	136.7	141.0	144.2	142.0	143.0	147.6	143.5	150.0	153.7	152.2	150.9
ELECTRIC UTILITIES		3.88	167.6													
ELEC UTIL GENERATION		1.90	164.2	164.6	171.3	187.9	172.6	158.9	150.5	159.3	175.4	192.6	183.5	171.3	162.0	
FOSSIL FUEL GENERATION		1.54	154.8	159.1	163.1	181.6	166.7	148.4	139.2	148.7	169.5	190.9	180.1	167.8	155.6	
HYDRO & NUCLEAR GENERAT.		.36	204.8	188.3	206.5	214.9	197.8	204.3	198.9	204.9	201.2	200.0	198.3	186.5	189.5	
ELEC UTIL SALES		1.98	170.8	163.0	180.7	195.8	187.0	173.8	169.4	163.7	170.2					
RESIDENTIAL KWH		.83	177.2	154.6	199.6	230.2	216.8									

Table 8.
INDUSTRIAL PRODUCTION: QUARTERLY INDEXES

SUMMARY GROUPINGS	1976		1977			
	III	IV	I	II	III	IV
TOTAL INDEX	130.9	131.6	133.6	137.0	138.4	139.2
PRODUCTS, TOTAL	129.7	131.3	133.9	136.5	138.6	139.4
FINAL PRODUCTS	127.4	129.2	131.9	134.7	136.6	137.1
CONSUMER GOODS	136.3	138.3	141.1	143.3	145.0	145.7
DURABLE CONSUMER GOODS	141.5	144.4	148.0	153.2	156.1	156.2
AUTOMOTIVE PRODUCTS	153.8	162.7	168.1	175.5	179.7	175.8
HOME GOODS	134.6	134.0	136.7	140.6	142.9	145.3
NONDURABLE CONSUMER GOODS	134.2	136.2	138.4	139.3	140.5	141.4
CLOTHING	121.9	123.5	123.7	125.2	126.3	
CONSUMER STAPLES	137.6	139.7	142.4	143.3	144.5	144.8
CONSUMER ENERGY	143.4	147.9	155.6	151.2	150.8	
(HOME GOODS AND CLOTHING)	128.7	129.2	130.7	133.5	135.2	138.1
EQUIPMENT	115.2	116.3	119.2	123.1	125.1	125.4
BUSINESS EQUIPMENT	137.5	139.4	143.5	148.7	151.5	152.8
INDUSTRIAL EQUIPMENT	128.8	131.0	133.0	138.2	140.8	142.3
COMMERCIAL, TRANSIT, FARM EQ.	147.7	149.1	155.7	160.9	163.7	164.8
DEFENSE AND SPACE EQUIPMENT	77.9	77.6	78.3	80.1	80.7	79.3
INTERMEDIATE PRODUCTS	138.5	139.4	141.9	143.5	146.3	148.0
CONSTRUCTION SUPPLIES	134.4	135.4	136.1	138.6	142.0	145.8
BUSINESS SUPPLIES	142.6	143.3	147.6	148.5	150.5	
COMMERCIAL ENERGY PRODUCTS	158.1	158.1	164.5	164.9	165.3	
MATERIALS	132.5	131.9	133.1	137.7	138.1	139.0
DURABLE GOODS MATERIALS	130.8	128.4	129.2	135.1	136.0	137.5
BASIC METAL MATERIALS	117.4	107.4	108.6	116.4	109.4	
NONDURABLE GOODS MATERIALS	146.3	146.9	149.5	154.6	154.4	155.7
TEXTILE, PAPER AND CHEMICAL MAT	150.8	151.4	153.9	159.9	159.2	160.3
TEXTILE MATERIALS	115.1	112.1	111.3	110.9	112.3	
PAPER MATERIALS	130.8	130.2	131.7	134.3	135.1	
CHEMICAL MATERIALS	174.4	177.3	181.6	191.8	189.5	
ENERGY MATERIALS	119.6	122.0	122.0	122.6	123.4	
MANUFACTURING	130.8	131.2	133.1	136.9	138.7	139.7
DURABLE	123.8	123.3	124.7	129.3	131.5	132.5
NONDURABLE	141.0	142.7	145.2	148.0	149.2	150.3
MINING AND UTILITIES	131.1	133.9	136.9	137.2	136.3	135.2
MINING	114.1	115.6	116.6	120.5	117.7	116.9
UTILITIES	150.0	154.4	159.6	155.8	157.1	155.5

Table 9.
GROSS VALUES IN BILLIONS OF 1972 DOLLARS, ANNUAL RATES, BY QUARTER

	1976		1977			
	III	IV	I	II	III	IV
TOTAL INDEX	552.1	559.3	570.8	582.1	590.3	593.5
PRODUCTS, TOTAL	426.1	432.7	442.2	451.1	457.2	459.4
FINAL PRODUCTS	301.4	307.3	312.6	317.1	320.2	321.5
CONSUMER GOODS	86.4	88.7	90.9	94.7	97.0	96.2
DURABLE CONSUMER GOODS	43.9	46.4	48.1	50.5	51.6	50.1
AUTOMOTIVE PRODUCTS	42.6	42.4	42.8	44.1	45.4	46.1
HOME GOODS	215.0	218.6	221.7	222.4	223.3	225.2
NONDURABLE CONSUMER GOODS	31.2	32.0	31.8	32.6	32.3	
CLOTHING	183.8	186.6	189.9	190.0	191.0	191.5
CONSUMER STAPLES	42.2	43.2	45.4	44.4	44.1	
CONSUMER ENERGY	73.7	74.4	74.6	76.7	77.7	79.8
(HOME GOODS AND CLOTHING)	124.7	125.4	129.6	134.0	136.9	137.9
EQUIPMENT	92.0	92.8	96.7	100.5	103.0	104.8
BUSINESS EQUIPMENT	42.2	42.9	43.3	44.9	45.8	46.4
INDUSTRIAL EQUIPMENT	49.9	49.9	53.4	55.6	57.3	58.5
COMMERCIAL, TRANSIT, FARM EQ.	32.7	32.6	32.9	33.6	33.9	33.1
DEFENSE AND SPACE EQUIPMENT	126.1	126.5	128.6	131.1	133.1	134.2
INTERMEDIATE PRODUCTS	58.7	58.5	58.8	60.5	62.1	62.8
CONSTRUCTION SUPPLIES	67.3	68.0	69.8	70.6	71.1	
BUSINESS SUPPLIES	17.4	17.2	18.0	18.1	18.2	
COMMERCIAL ENERGY PRODUCTS						
MATERIALS						
DURABLE GOODS MATERIALS						
BASIC METAL MATERIALS						
NONDURABLE GOODS MATERIALS						
TEXTILE, PAPER AND CHEMICAL MAT						
TEXTILE MATERIALS						
PAPER MATERIALS						
CHEMICAL MATERIALS						
ENERGY MATERIALS						

Table 10.
GROSS VALUES IN BILLIONS OF 1972 DOLLARS, ANNUAL RATES, BY MONTH

MAJOR MARKET GROUPINGS	1972	1976	1976	1977											
	DOLLS- LARS	1976 AVG.	1976 DECE.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
PRODUCTS, TOTAL	507.4	550.4	571.2	564.8	569.4	578.2	578.3	582.2	585.9	590.5	590.2	590.1	591.5	593.4	595.6
FINAL PRODUCTS	390.9	425.7	443.8	436.7	441.1	449.0	448.5	451.0	453.7	457.8	456.9	456.8	458.4	459.1	460.9
CONSUMER GOODS	277.5	301.6	315.1	308.8	312.2	316.8	316.1	316.3	318.9	321.5	320.0	319.1	320.4	321.8	322.3
DURABLE CONSUMER GOODS	82.0	86.4	93.7	88.8	89.2	94.7	93.6	94.0	96.4	96.4	98.7	96.2	96.0	97.3	95.8
AUTOMOTIVE PRODUCTS	41.1	44.2	51.4	46.6	46.0	51.6	50.2	49.6	51.7	53.4	50.7	50.6	51.6	49.6	49.1
HOME GOODS	40.9	42.2	42.3	42.2	43.1	43.1	43.4	44.3	44.6	45.3	45.4	45.5	45.6	46.3	46.5
NONDURABLE CONSUMER GDS	195.5	215.2	221.3	220.1	223.0	222.0	222.3	222.5	222.5	222.7	224.1	223.1	223.2	225.8	226.6
CLOTHING	28.5	32.0	32.6	31.6	32.2	31.6	32.0	33.1	32.6	31.6	32.5	32.9	33.5		
CONSUMER STAPLES	167.0	183.1	188.6	188.5	190.9	190.4	190.4	189.6	190.0	191.0	191.5	190.3	189.7	192.1	192.7
CONSUMER ENERGY PROD	39.2	42.3	44.7	45.2	46.1	44.8	44.9	44.3	44.1	45.1	43.7	43.6	43.3	44.3	
(HOME GOODS & CLOTHING)	69.4	74.2	74.9	73.8	75.2	74.7	75.4	77.4	77.3	76.9	77.9	78.3	79.1	79.9	80.4
EQUIPMENT	113.4	124.0	128.4	127.9	128.9	132.1	132.6	134.6	134.9	136.2	137.0	137.6	137.9	137.3	138.6
BUSINESS EQUIPMENT	80.6	91.1	96.0	95.1	95.8	99.1	99.2	101.1	101.2	102.5	103.1	103.6	104.8	104.2	105.3
INDUSTRIAL EQUIPMENT	34.4	41.9	43.4	42.5	43.4	44.0	44.1	45.2	45.5	45.8	45.6	46.0	46.1	46.3	46.7
COMM'L, TRANSIT, FARM EQ	46.2	49.3	52.6	52.6	52.4	55.2	55.1	55.8	55.8	56.7	57.4	57.6	58.7	58.0	58.8
DEFENSE & SPACE EQUIP.	32.7	32.9	32.4	32.8	33.0	33.0	33.5	33.6	33.7	33.8	33.9	34.0	33.0	33.1	33.2
INTERMEDIATE PRODUCTS	116.6	124.8	127.1	128.2	128.4	129.1	130.1	131.4	131.8	132.8	133.1	133.5	133.4	134.3	134.9
CONSTRUCTION SUPPLIES	57.8	57.7	58.2	58.6	58.7	59.2	60.1	60.4	61.0	61.7	62.2	62.3	62.5	63.0	63.1
BUSINESS SUPPLIES	58.8	67.1	69.0	69.7	69.7	69.9	70.0	70.9	70.8	71.1	70.9	71.2	70.9	71.3	
COMMERCIAL ENERGY PROD	15.6	17.2	17.7	17.8	18.1	18.0	18.0	18.3	18.0	18.5	18.1	17.9	17.6	17.7	

INDUSTRIAL ELECTRIC POWER USE

SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1976 AVG.	1976			1977			1977					PER CENT CH. FROM PREV. MO. YR.	
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT	NOV	(P)	(P)
TOTAL		560.4	131.1	133.5	133.7	132.9	137.1	137.0	138.1	137.6	136.6	136.7	135.7	135.2	-3	1.8
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	136.6	137.0	138.7	142.3	144.8	146.6	145.1	145.8	147.5	146.5	145.7	145.7	0.0	5.3
FINAL PRODUCTS		101.4	135.4	135.6	137.4	141.2	144.3	145.9	144.6	145.1	147.0	145.6	144.9	144.4	-3	5.3
CONSUMER GOODS		67.4	142.7	142.9	144.9	149.4	153.4	154.8	153.6	154.0	156.4	154.1	153.6	153.1	-4	5.5
EQUIPMENT		34.0	116.9	116.7	118.2	120.5	121.5	122.8	121.6	121.8	123.1	123.6	122.5	122.3	-1	5.0
INTERMEDIATE PRODUCTS		34.7	140.2	141.5	142.7	145.5	146.0	149.0	146.6	148.0	149.3	149.6	148.6	149.5	.6	5.0
MATERIALS		424.3	129.2	132.4	131.9	129.9	134.5	133.8	135.8	135.0	133.1	133.2	132.2	131.8	-3	.6
DURABLE		237.7	121.7	126.2	125.4	124.5	127.1	126.3	128.2	128.3	125.6	125.0	124.5	125.1	.4	-6
NONDURABLE		133.0	129.0	129.5	130.1	130.6	133.8	134.5	134.9	134.9	133.9	134.6	133.2	133.5	.3	3.0
ENERGY, EX. ERDA		23.8	155.7	152.9	160.5	157.6	162.0	156.6	164.3	160.4	151.2	158.1	162.7	167.8	3.1	1.3
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	153.2	151.9	159.6	160.3	159.9	140.8	160.6	159.8	130.6	131.9	134.4	138.7	3.2	-13.8
MANUFACTURING		519.2	129.7	132.3	132.1	131.7	135.5	136.7	136.5	136.4	136.8	137.0	135.1	135.3	.1	3.0
DURABLE	19,24-25,32-39	254.1	123.0	126.5	126.1	126.3	128.7	130.8	130.0	130.2	131.1	131.2	130.3	130.7	.3	3.3
NONDURABLE	20-23,26-31	265.1	136.1	137.6	137.9	136.9	142.1	142.0	142.6	141.6	142.6	141.8	139.6	139.9	.2	2.8
UTILITIES, OWN USE		491.2	139.0	140.1												
INDUSTRY GROUPS AND SERIES																
METAL MINING																
IRON ORE	101	5.0	153.7	156.9	162.0	161.3	165.5	79.2	167.7	169.6	40.6	27.3	24.6	36.3	47.3	-78.0
COPPER ORE	102	3.0	154.5	163.0	157.8	157.6	165.4	150.9	167.1	164.0	145.7	143.0	144.6	151.5	4.8	-5.4
COAL																
	11,2	5.9	157.3	146.0	175.0	168.5	156.9	153.6	156.0	152.1	139.9	168.9	182.8	186.8	2.2	1.7
OIL AND GAS EXTRACTION																
CRUDE OIL AND NAT. GAS	131	8.9	178.6	179.6	182.7	185.8	186.4	185.7	185.9	186.9	185.9	184.3	184.5	186.4	1.0	3.0
NATURAL GAS LIQUIDS	132	2.5	121.7	121.1	121.2	121.0	126.3	125.5	126.9	128.9	124.1	123.5	123.7	123.0	-6	3.7
STONE AND EARTH MINERALS																
CRUSHED STONE	142	1.5	149.8	149.0	152.6	161.2	153.9	154.5	152.2	152.3	154.8	156.5	157.2	158.1	.5	3.1
SAND AND GRAVEL	144	1.1	133.2	133.3	134.0	135.1	129.3	129.7	128.0	128.1	128.9	132.2	131.4	140.0	6.6	3.0
CHEMICAL MINERALS	147	3.4	135.0	134.1	138.7	146.2	150.5	156.2	149.6	159.8	155.1	153.6	154.8	154.3	-3	10.4
ORDNANCE																
	19	4.1	92.1	95.2	93.5	95.1	94.5	99.3	95.0	97.6	99.1	101.2	97.3	99.9	2.7	10.5
FOODS																
MEAT PRODUCTS	201	4.2	149.4	149.7	152.5	154.6	163.8	159.5	165.1	156.8	158.2	163.6	158.1	160.0	1.2	6.3
DAIRY PRODUCTS	202	4.1	126.2	125.6	127.5	130.3	133.1	131.8	131.6	131.7	130.3	133.4	131.4	131.5	.1	3.5
CANNED AND FROZEN FOODS	203	3.2	166.7	170.8	172.8	173.1	180.7	182.0	178.9	182.5	182.1	181.5	177.9	179.8	1.1	4.6
GRAIN MILL PRODUCTS	204	4.8	133.5	137.6	138.6	141.5	141.2	140.2	137.5	139.3	139.8	141.4	141.8	138.9	-2.0	-4
BAKERY PRODUCTS	205	1.8	125.6	124.6	125.9	125.3	128.8	131.3	131.5	132.4	131.0	130.7	130.8	130.2	-4	4.4
SUGAR	206	1.2	161.5	170.4	169.3	179.6	211.1	214.4	219.8	216.0	209.5	217.8	184.3	187.0	1.5	9.1
CONFECTIONERY	207	1.0	127.7	124.7	124.5	139.7	128.8	125.5	125.0	127.9	125.4	123.2	125.2	126.7	1.3	1.6
BEVERAGES	208	2.4	158.1	162.2	160.8	164.8	170.6	172.0	169.0	174.0	170.6	171.4	171.2	172.8	.9	8.9
MISC. FOOD PRODUCTS	209	4.1	130.8	132.5	126.6	124.0	124.0	123.2	123.4	122.0	124.1	123.4	123.4	123.6	.1	-1.5
TOBACCO PRODUCTS																
	21	.9	124.8	125.3	124.9	127.0	130.3	130.3	130.8	131.3	130.2	129.4	131.2	130.1	-8	5.0
TEXTILE MILL PRODUCTS																
FABRICS	221-4	11.7	104.4	104.7	100.5	99.4	106.1	106.5	109.1	107.0	105.7	106.8	106.3	105.9	-5	8.1
KNIT GOODS	225	1.7	173.5	170.8	167.3	171.6	177.3	174.9	178.2	176.6	173.1	174.9	169.9	169.0	-5	4.1
FABRIC FINISHING	226	1.5	132.8	133.7	129.0	127.7	131.3	133.7	131.9	137.9	130.4	132.9	134.4	129.4	-3.7	3.4
YARN AND THREAD	228	3.9	145.6	146.4	141.1	141.8	153.6	154.4	155.8	154.3	154.4	154.5	149.7	144.6	-3.4	3.8
MISC. TEXTILES	229	1.4	147.1	146.8	141.8	139.0	141.3	147.2	141.4	144.4	146.4	150.7	150.4	152.4	1.3	8.1
APPAREL PRODUCTS																
MEN'S OUTERWEAR	231,2	1.0	138.7	140.8	139.5	146.5	151.6	151.5	152.2	153.6	152.7	148.1	146.9	147.5	.4	7.3
WOMEN'S OUTERWEAR	233	1.0	195.6	193.8	198.5	210.9	203.7	205.9	202.5	207.8	204.6	205.2	203.1	204.5	.7	5.0
LUMBER AND PRODUCTS																
LUMBER	242	3.9	151.2	154.7	160.3	164.4	159.7	166.1	162.9	166.3	165.3	166.7	166.9	166.3	-4	4.5
MILLWORK AND PLYWOOD	243	2.2	162.1	163.6	168.8	172.9	169.3	170.9	170.0	168.5	169.5	174.6	178.4	179.1	.4	7.1
FURNITURE AND FIXTURES																
HOME FURNITURE	251	1.7	164.2	163.8	167.5	168.4	169.5	178.2	172.5	176.2	177.8	180.7	178.6	178.0	-3	6.6
PAPER AND PRODUCTS																
WOOD PULP	261	3.5	115.3	119.0	117.1	120.1	126.3	125.4	129.0	124.6	125.7	125.9	126.0	128.7	2.2	9.1
PAPER	262	24.5	120.3	119.0	119.7	116.0	118.8	120.8	120.6	120.8	120.4	121.3	119.5	122.4	2.4	1.3
PAPERBOARD	263	14.8	142.2	144.9	141.6	138.9	141.8	143.2	140.8	144.0	142.2	143.4	140.4	142.4	1.4	.7
CONVERTED PAPER	264	2.5	129.4	130.9	126.3	128.5	133.0	138.2	135.7	140.6	136.7	137.4	133.4	137.7	3.2	8.7
PAPERBOARD CONTAINERS	265	2.3	137.6	139.5	137.1	138.6	140.2	143.9	142.1	145.0	143.3	143.5	141.3	142.3	.7	4.1
PRINTING PAPER AND BOARD	266	1.4	148.5	147.2	145.3	147.8	151.1	152.3	155.7	153.2	149.7	153.9	153.0	149.2	-2.5	6.3
PRINTING AND PUBLISHING																
NEWSPAPERS	271	1.7	133.4	132.1	134.4	139.9	137.0	135.7	135.2	135.5	134.1	137.4	135.1	135.7	.5	3.2
COMMERCIAL PRINTING	275	2.4	148.3	149.5	147.1	156.8	154.7	154.5	155.8	155.2	157.2	151.0	152.1	152.3	.1	4.9

P--PRELIMINARY

NOT SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1976 AVG.	1976			1977			1977					PER CENT CH. FROM PREV. MO. YR.	
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT	NOV	(P)	(P)
TOTAL		560.4	131.1	132.8	134.7	131.5	138.0	136.2	138.6	135.3	136.5	137.0	139.3	136.6	-2.0	1.8
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	136.6	141.2	139.6	137.0	144.7	151.0	149.3	147.6	151.2	154.3	151.7	148.2	-2.4	5.3
FINAL PRODUCTS		101.4	135.4	140.5	138.0	135.7	144.0	151.1	149.3	147.8	151.0	154.5	150.9	146.6	-2.9	5.3
CONSUMER GOODS		67.4	142.7	148.4	145.9	143.1	152.8	160.7	158.7	157.3	160.9	164.0	160.5	155.5	-3.1	5.5
EQUIPMENT		34.0	116.9	120.3	117.9	116.9	121.5	126.6	125.2	123.9	125.5	130.4	126.5	123.8	-2.2	5.0
INTERMEDIATE PRODUCTS		34.7	140.2	143.2	144.5	141.0	147.0	150.8	149.4	146.8	151.8	153.6	154.1	152.9	-.7	5.0
MATERIALS		424.3	129.2	130.0	133.1	129.7	135.8	131.3	135.1	131.2	131.6	131.2	135.2	132.7	-1.8	.6
DURABLE		237.7	121.7	124.2	125.2	124.2	129.4	124.3	129.4	126.5	129.3	123.2	125.9	124.4	-1.2	-.6
NONDURABLE		133.0	129.0	130.4	131.0	127.9	134.8	135.3	136.7	132.9	137.0	136.1	136.6	135.0	-1.2	3.0
ENERGY, EX. ERDA		23.8	155.7	145.8	160.4	166.8	159.8	149.3	159.1	150.0	145.9	152.1	157.0	166.1	5.8	1.3
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	153.2	148.3	160.6	160.9	162.1	137.2	162.7	153.1	126.8	131.6	134.9	139.7	3.5	-13.8
MANUFACTURING		519.2	129.7	132.1	133.2	129.7	136.6	136.4	137.4	134.3	137.3	137.7	139.8	136.5	-2.4	3.0
DURABLE	19,24-25,32-39	254.1	123.0	125.8	126.1	125.2	130.5	130.1	131.5	128.8	129.9	131.6	133.3	131.0	-1.8	3.3
NONDURABLE	20-23,26-31	265.1	136.1	138.0	139.9	134.0	142.4	142.5	143.0	139.6	144.4	143.5	146.0	141.7	-3.0	2.8
UTILITIES, OWN USE	491,2	6.5	139.0	130.0												
INDUSTRY GROUPS AND SERIES																
METAL MINING	10	9.9	150.4	149.8	156.5	155.6	165.1	105.6	167.3	157.6	81.3	78.0	78.0	85.0	9.0	-45.7
IRON ORE	101	5.0	153.7	153.5	162.6	160.1	169.5	78.2	171.6	168.9	39.0	26.8	24.9	36.0	44.5	-78.0
COPPER ORE	102	3.0	154.5	154.1	158.2	160.0	171.4	142.5	174.8	150.7	133.6	143.0	146.9	148.4	1.1	-5.4
COAL	11,2	5.9	157.3	129.1	175.2	184.0	160.1	136.1	153.7	119.2	130.7	158.2	178.8	185.5	3.7	1.7
OIL AND GAS EXTRACTION	13	11.9	165.2	165.9	168.7	169.3	168.7	169.4	171.1	171.5	167.0	169.7	167.4	170.4	1.8	1.7
CRUDE OIL AND NAT. GAS	131	8.9	178.6	178.5	183.6	186.8	185.6	184.6	187.8	186.6	181.9	185.4	183.4	188.4	2.7	3.0
NATURAL GAS LIQUIDS	132	2.5	121.7	125.3	121.3	117.6	125.2	129.8	128.0	133.5	128.9	127.0	125.2	123.8	-1.2	3.7
STONE AND EARTH MINERALS	14	6.9	135.7	135.6	142.1	136.3	147.7	149.7	148.7	147.2	149.5	152.5	155.2	156.1	.6	7.6
CRUSHED STONE	142	1.5	149.8	157.8	161.5	134.7	161.0	163.7	164.9	159.3	166.0	165.9	171.5	175.1	2.1	3.1
SAND AND GRAVEL	144	1.1	133.2	140.4	142.4	114.8	133.6	136.6	135.7	133.4	136.7	139.7	144.1	153.1	6.2	3.0
CHEMICAL MINERALS	147	3.4	135.0	131.7	140.6	145.5	151.5	153.3	149.9	151.4	152.3	156.2	158.4	156.2	-1.4	10.4
ORDNANCE	19	4.1	92.1	99.5	93.2	91.3	94.2	103.8	98.9	98.9	105.9	106.6	100.6	100.1	-.5	10.5
FOODS	20	26.8	140.0	149.9	145.1	135.6	142.9	154.9	149.1	151.4	155.3	158.1	153.9	151.1	-1.8	3.5
MEAT PRODUCTS	201	4.2	149.4	164.7	153.4	141.0	160.7	175.5	171.4	171.8	177.3	177.3	166.0	162.1	-2.4	6.3
DAIRY PRODUCTS	202	4.1	126.2	141.7	122.9	117.1	134.3	148.7	143.9	150.4	147.3	148.5	133.9	126.9	-5.2	3.5
CANNED AND FROZEN FOODS	203	3.2	166.7	183.5	178.0	162.3	173.0	195.4	175.7	177.7	192.5	216.1	205.1	184.3	-10.2	4.6
GRAIN MILL PRODUCTS	204	4.8	133.5	138.8	142.8	141.2	135.9	141.4	137.3	137.9	143.6	142.6	146.3	145.7	-.4	-.4
BAKERY PRODUCTS	205	1.8	125.6	136.2	125.4	116.5	126.5	143.5	136.5	142.7	143.3	144.5	135.9	130.2	-4.2	4.4
SUGAR	206	1.2	161.5	125.0	230.3	204.1	157.1	157.2	151.6	156.2	156.7	158.8	213.0	264.8	24.3	9.1
CONFECTIONERY	207	1.0	127.7	133.0	129.0	124.9	128.8	133.8	133.7	124.4	136.3	140.8	137.8	133.5	-3.2	1.6
BEVERAGES	208	2.4	158.1	181.0	157.6	148.8	170.7	191.9	180.7	192.0	192.7	190.9	177.0	168.5	-4.8	8.9
MISC. FOOD PRODUCTS	209	4.1	130.8	137.4	130.5	118.2	121.1	127.8	126.6	125.9	127.8	129.7	128.1	130.0	1.4	-1.5
TOBACCO PRODUCTS	21	.9	124.8	137.3	129.3	117.5	122.8	142.7	131.7	126.2	147.1	154.7	146.4	136.5	-6.8	5.0
TEXTILE MILL PRODUCTS	22	20.8	120.8	123.9	117.3	110.1	126.8	127.2	134.7	114.9	133.5	133.1	128.3	124.2	-3.2	6.1
FABRICS	221-4	11.7	104.4	106.5	100.7	94.7	109.2	108.3	116.4	97.2	114.1	113.7	111.2	108.3	-2.7	8.1
KNIT GOODS	225	1.7	173.5	185.1	165.7	154.4	181.6	189.7	195.7	173.4	197.3	198.3	179.5	170.9	-4.8	4.1
FABRIC FINISHING	226	1.5	132.8	129.5	130.2	126.6	135.1	129.4	138.3	120.0	132.4	136.0	136.5	133.5	-2.2	3.4
YARN AND THREAD	228	3.9	145.6	151.2	142.1	132.2	157.9	159.4	168.2	142.9	168.1	167.3	154.5	149.5	-3.2	3.8
MISC. TEXTILES	229	1.4	147.1	146.7	142.2	135.5	144.6	147.0	149.8	135.1	154.8	151.1	158.9	150.3	-5.4	8.1
APPAREL PRODUCTS	23	3.6	155.7	178.9	151.0	144.1	160.6	191.9	177.3	179.8	198.3	197.7	174.7	159.1	-8.9	6.6
MEN'S OUTERWEAR	231,2	1.0	138.7	163.8	137.2	126.9	149.3	176.2	166.5	162.2	183.5	183.0	161.0	145.4	-9.7	7.3
WOMEN'S OUTERWEAR	233	1.0	195.6	230.6	188.8	182.3	201.3	244.9	224.2	232.7	253.7	248.3	217.9	194.1	-10.9	5.0
LUMBER AND PRODUCTS	24	8.0	159.6	156.7	167.6	172.5	170.6	166.6	168.7	161.1	166.8	172.0	177.1	180.3	1.8	6.1
LUMBER	242	3.9	151.2	149.1	161.4	166.8	161.8	160.1	158.0	154.2	160.8	165.2	171.2	169.0	-1.3	4.5
MILLWORK AND PLYWOOD	243	2.2	162.1	156.9	167.1	177.1	173.6	163.9	171.7	157.2	163.7	170.8	173.4	183.8	6.0	7.1
FURNITURE AND FIXTURES	25	2.5	141.4	139.9	145.9	146.5	147.5	150.7	151.9	138.2	155.3	158.6	156.3	156.6	.2	5.8
HOME FURNITURE	251	1.7	164.2	159.7	168.4	171.2	169.9	173.7	173.7	155.0	181.1	185.0	181.6	180.1	-.8	6.6
PAPER AND PRODUCTS	26	49.1	123.1	122.7	122.2	120.6	125.9	124.6	127.3	122.0	127.1	124.8	128.3	126.1	-1.7	2.4
WOOD PULP	261	3.5	115.3	118.7	117.6	119.3	126.9	125.1	127.7	123.9	123.8	127.6	132.5	127.8	-3.5	9.1
PAPER	262	24.5	120.3	117.8	118.9	115.9	120.6	119.5	120.9	116.8	123.5	118.3	124.6	121.8	-2.2	1.3
PAPERBOARD	263	14.8	142.2	141.8	139.9	140.4	144.7	140.3	145.5	136.6	143.2	141.0	142.9	141.9	-.7	.7
CONVERTED PAPER	264	2.5	129.4	132.4	128.6	123.7	134.1	139.8	138.9	137.7	138.5	143.2	141.5	139.2	-1.6	8.7
PAPERBOARD CONTAINERS	265	2.3	137.6	140.9	136.4	136.2	141.6	145.4	147.5	140.4	148.3	147.6	145.3	143.0	-1.6	4.1
BUILDING PAPER AND BOARD	266	1.4	148.5	150.0	146.1	143.2	151.8	155.1	154.8	151.8	159.5	153.9	156.3	155.8	-.4	6.3
PRINTING AND PUBLISHING	27	5.8	142.3	161.1	139.5	132.6	145.1	167.2	155.2	164.4	169.6	167.6	155.3	144.7	-6.9	5.5
NEWSPAPERS	271	1.7	133.4	151.8	131.7	123.7	134.9	155.9	143.7	155.1	155.8	156.6	141.6	132.9	-6.2	3.2
COMMERCIAL PRINTING	275	2.4	148.3	169.5	147.2	139.2	151.1	175.1	162.8	170.4	179.8	175.0	164.4	151.6	-7.8	4.9

P--PRELIMINARY

SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1976 AVG.	1976			1977			1977					PER CENT CH. FROM PREV. MO. YR.	
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT	NOV	(P)	(P)
CHEMICALS AND PRODUCTS	281	116.8	137.8	141.0	140.6	136.8	144.0	143.0	145.2	142.0	144.1	142.8	140.0	138.5	-1.1	.7
BASIC CHEMICALS	281	96.4	129.5	133.4	132.3	127.6	136.4	134.5	138.4	134.1	135.0	134.4	131.4	129.2	-1.7	.5
ALKALIES AND CHLORINE	2812	12.3	144.8	144.4	146.7	142.4	144.6	145.1	144.5	142.4	145.8	147.0	145.5	145.5	0.0	-.9
BASIC ORGANIC CHEM.NEC	2818	24.8	131.8	130.2	132.5	137.8	138.4	136.9	138.1	138.6	137.3	134.7	133.4	134.3	.7	1.3
INORGANIC CHEM. NEC	2819	48.6	134.3	143.3	137.0	127.4	143.9	141.1	149.2	140.4	140.9	142.0	134.9	129.0	-4.4	-.2
ACID AND FERT. MAT'L.S.		18.8	98.9	99.9	104.1	106.4	110.2	110.1	113.6	111.9	107.7	110.7	109.8			
ERDA		29.8	156.9	176.1	156.6	138.9	166.3	164.9	177.9	164.5	166.7	163.5	148.0			
SYNTHETIC MATERIALS	282	12.1	184.6	164.9	190.8	183.9	187.2	187.4	184.8	185.7	188.0	188.5	186.7	188.3	-.9	-1.3
PLASTICS MATERIALS	2821	4.4	168.1	166.7	170.8	172.5	177.6	180.3	179.1	183.4	182.1	175.3	177.0	177.1	.1	3.4
OTHER SYNTHETICS	2822-4	7.7	193.6	194.3	201.0	190.6	193.2	190.9	189.0	187.2	189.2	196.4	192.0	193.9	1.0	-3.5
DRUGS	283	2.0	169.9	171.7	175.7	181.9	186.9	185.4	186.1	184.7	186.8	184.7	183.8	187.6	2.1	5.7
SOAP AND TOILETRIES	284	1.0	132.7	135.4	136.3	137.9	137.6	144.1	140.5	143.4	145.6	143.4	143.6	142.4	-.9	5.9
FARM CHEMICALS	287	2.7	142.1	142.8	144.5	144.9	149.1	154.1	151.3	152.6	153.0	156.8	155.2	155.6	.2	7.4
PETROLEUM PRODUCTS	29	22.3	155.5	155.7	157.6	165.1	168.1	168.5	167.0	166.3	169.9	169.2	167.8	170.7	1.7	8.4
RUBBER AND PLASTICS PROD.	30	10.8	152.0	144.2	162.8	165.7	172.4	174.0	173.3	174.2	173.6	174.1	172.7	174.4	1.0	6.8
TIRES	301	3.2	121.5	96.2	147.2	144.0	151.0	149.5	151.6	151.4	150.7	146.3	146.7	148.3	1.1	-.6
RUBBER PRODUCTS NEC	306	2.3	121.5	120.7	122.7	126.2	130.2	128.7	131.0	130.3	126.4	129.5	127.5	127.2	-.2	5.6
PLASTICS PRODUCTS NEC	307	4.8	186.2	190.7	187.6	195.7	204.0	210.0	206.1	209.3	208.7	211.9	209.2	211.9	1.2	12.0
LEATHER AND PRODUCTS	31	1.3	113.9	114.0	111.0	115.7	117.5	118.8	117.8	122.2	116.7	117.4	118.9	117.9	-.8	7.9
SHOES	314	.6	102.7	101.4	99.6	104.8	102.6	100.8	101.2	104.2	97.9	100.4	101.7	100.8	-.9	1.9
CLAY, GLASS, STONE PRODUCTS	32	20.8	134.1	135.4	137.8	136.5	141.1	144.9	143.0	144.0	144.4	146.3	145.7	146.5	.6	6.2
FLAT GLASS	321	1.2	124.6	124.6	125.3	127.7	126.7	125.2	128.1	126.9	125.0	123.8	121.4	124.4	2.5	-.8
PRESSED AND BLOWN GLASS	322	3.5	188.5	189.4	191.5	189.6	191.6	196.0	193.4	192.7	197.0	198.4	194.9	199.3	2.3	3.1
CEMENT	324	8.4	105.0	107.4	106.7	101.2	111.2	116.6	114.0	115.3	116.1	118.4	119.1	118.2	-.8	10.3
STRUCTURAL CLAY PRODUCTS	325	1.3	111.3	115.0	113.6	107.1	110.4	110.5	111.3	109.2	109.2	113.0	111.0	110.9	-.1	-2.2
CONCRETE PRODUCTS	327	2.3	163.0	167.0	173.3	173.4	182.5	184.5	183.5	186.6	183.7	183.1	183.3	184.5	-.7	6.7
PRIMARY METALS	33	132.0	116.4	121.9	120.1	118.7	120.9	122.7	121.9	122.5	123.4	122.3	122.3	122.4	.1	1.6
BASIC STEEL & MILL PROD.	331	54.4	114.0	120.2	111.9	111.2	117.7	117.3	118.2	119.8	117.0	115.2	115.9	115.2	-.7	2.9
IRON & STEEL FOUNDRIES	332	5.9	179.8	188.5	179.4	182.7	186.9	200.5	190.5	198.9	200.2	202.5	196.2	199.9	1.8	10.8
PRIMARY NONFERROUS METALS	333	59.5	108.3	113.9	118.3	115.6	114.4	116.8	115.1	115.6	117.6	117.2	117.7	118.5	.6	-.8
ALUMINUM	3334	53.6	108.1	112.8	118.2	114.0	111.5	113.5	112.2	112.7	113.7	114.1	114.9	114.9	0.0	-4.1
NONFERROUS MILL PRODUCTS	335	8.4	118.5	121.5	117.7	111.9	110.5	112.0	110.0	112.8	110.8	112.6	108.8	109.3	.5	-5.3
NONFERROUS FOUNDRIES	336	1.4	135.5	138.2	140.3	140.1	148.3	153.4	149.3	151.0	154.5	154.6	156.5	157.7	.8	13.7
FABRICATED METAL PRODUCTS	34	14.8	140.1	142.7	143.9	144.8	146.5	152.6	148.2	150.9	154.2	152.8	151.5	153.2	1.1	6.3
METAL CANS	341	1.0	193.7	195.0	196.2	200.3	205.0	210.5	210.5	210.3	208.7	212.6	214.7	215.4	.3	9.8
HARDWARE	342	1.6	140.5	145.7	147.2	144.3	145.7	151.7	143.9	147.4	154.7	153.2	147.8	146.6	-.8	-.4
STRUCTURAL METAL PROD.	344	3.5	122.5	122.8	121.5	120.5	118.9	126.2	121.3	121.7	127.5	129.5	126.1	126.8	.5	3.7
FASTENERS	345	1.2	121.5	126.4	129.3	129.4	132.9	136.2	134.8	135.6	138.5	134.6	133.8	138.9	3.8	7.4
METAL STAMPINGS	346	3.1	142.7	146.4	145.5	146.3	152.9	155.9	155.7	159.3	154.4	154.1	156.2	157.9	1.1	8.1
NONELECTRICAL MACHINERY	35	17.3	139.4	140.2	141.8	143.5	145.4	145.9	145.2	146.2	144.5	147.0	146.4	146.8	.2	4.9
ENGINES AND TURBINES	351	1.4	139.6	142.9	144.3	147.3	144.6	146.2	142.1	142.7	147.5	148.5	144.6	148.7	2.8	5.1
MOTOR EQUIPMENT	352	1.2	115.6	121.2	111.2	126.8	125.2	126.8	124.5	126.2	128.4	125.8	125.7	127.5	1.4	17.1
CONSTRUCTION EQUIPMENT	353	3.0	150.3	150.7	152.5	150.8	154.5	157.1	156.6	159.6	154.1	157.7	157.7	157.2	-.3	6.2
METALWORKING MACHINERY	354	2.8	109.0	110.6	112.1	113.6	118.0	122.4	121.1	122.7	120.9	123.5	120.4	120.1	-.3	7.1
SPECIAL INDUSTRY MACH.	355	1.5	140.2	140.9	142.6	141.3	142.5	143.6	142.2	144.3	141.8	144.8	141.2	143.4	1.5	-.4
GENERAL INDUSTRIAL MACH.	356	2.7	136.3	138.6	137.2	135.6	140.3	141.7	140.3	142.4	141.2	141.5	142.5	142.1	-.3	4.5
OFFICE AND COMPUTING MACH.	357	1.4	178.6	179.1	184.0	189.9	189.9	183.4	186.4	182.0	183.8	184.4	180.8	184.5	2.0	1.3
SERVICE INDUSTRY MACH.	358	1.2	151.4	151.7	155.1	156.2	158.2	157.1	154.5	154.4	158.1	158.8	158.6	160.1	.9	3.1
ELECTRICAL MACHINERY	36	19.2	125.1	125.8	126.5	128.0	129.3	131.4	130.7	131.0	132.0	131.3	129.3	130.6	1.0	3.5
ELECT. DISTRIBUTION EQ.	361	1.8	113.8	112.8	116.5	116.1	115.5	116.0	116.8	114.3	116.8	117.1	114.9	117.1	1.9	1.4
ELECT. INDUST. APPARATUS	362	3.5	110.4	112.4	114.5	111.2	112.3	114.5	113.5	113.0	114.5	115.8	110.6	114.7	3.7	-1.8
HOME APPLIANCES	363	2.2	107.2	105.5	106.1	107.2	115.1	116.9	117.4	115.4	120.7	114.7	113.6	114.9	1.1	8.3
LIGHTING & WIRING PROD.	364	1.5	140.8	143.2	143.3	144.8	145.0	151.7	144.4	150.2	153.0	152.0	150.4	150.9	.3	5.5
RADIO AND TV SETS	365	.8	102.6	102.7	104.4	105.7	107.1	110.0	109.1	112.9	110.0	107.1	108.1	111.7	3.4	5.7
COMMUNICATION EQUIP.	366	3.9	137.2	138.1	134.5	140.2	142.0	145.9	142.9	144.8	148.2	144.7	141.4	144.2	1.9	8.6
ELECTRONIC COMPONENTS	367	4.2	130.2	129.9	133.7	137.4	137.8	139.1	136.9	139.7	139.4	138.1	138.3	141.8	2.5	5.5
TRANSPORTATION EQUIPMENT	37	23.6	120.3	121.1	121.5	127.1	130.5	133.1	132.1	133.3	133.2	132.8	131.5	128.8	-2.1	4.3
MOTOR VEHICLES AND PARTS	371	12.8	134.5	136.8	135.9	143.5	148.7	152.3	150.9	152.4	153.0	151.5	152.2	146.3	-3.9	4.5
AIRCRAFT AND PARTS	372	8.4	84.7	82.8	85.1	86.6	86.4	86.3	86.3	86.0	86.6	86.2	85.0	83.6	-1.6	-.2
SHIPS AND BOATS	373	1.3	127.6	126.3	131.0	132.4	131.0	133.2	127.7	130.6	134.3	134.7	129.7	129.1	-.5	-1.1
INSTRUMENTS	38	3.1	143.3	143.7	144.7	149.9	148.6	150.8	147.8	149.9	151.8	150.7	151.5	151.8	.2	6.4
PHOTOGRAPHIC EQUIPMENT	386	1.4	150.1	151.4	151.4	152.0	146.0	148.2	144.8	148.3	148.4	148.0	147.9	148.8	.6	-.9
MISC. MANUFACTURES	39	2.5	143.5	144.3	144.0	148.6	147.2	149.6	147.9	149.8	147.7	151.5	149.5	151.7	1.5	7.1
SUPPLEMENTARY GROUPINGS																
TOTAL, EXCLUDING ERDA		530.6	129.3	131.2	131.8	132.4	135.2	135.5	136.2	136.4	135.0	135.1	134.5	134.9	.3	2.2
ELECTRIC UTILITIES		462.6	141.1	144.0	144.1	144.0	148.2									

NOT SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1976 AVG.	1976			1977			1977					PER CENT CH. FROM PREV.	
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT	NOV	MO. (P)	YR. (P)
CHEMICALS AND PRODUCTS	28	116.8	137.8	138.3	143.9	135.8	144.2	140.3	141.1	139.3	141.2	140.2	146.3	140.6	-3.9	.7
BASIC CHEMICALS	281	96.4	129.5	128.9	136.9	127.9	135.8	130.0	131.2	129.4	131.1	129.4	138.3	132.0	-4.5	.5
ALKALIES AND CHLORINE	2812	12.3	144.8	145.3	150.0	138.5	144.2	146.0	141.6	144.4	147.7	145.8	146.5	149.3	1.9	-9
BASIC ORGANIC CHEM.NEC	2818	24.8	131.8	133.6	135.4	132.8	136.6	140.4	137.1	141.3	140.8	139.3	138.4	136.8	-1.2	1.3
INORGANIC CHEM. NEC	2819	48.6	134.3	131.4	145.0	131.5	142.5	129.4	133.7	128.7	130.8	128.7	146.0	134.6	-7.8	-2
ACID AND FERT. MAT'L.S.	2818	18.8	98.9	98.6	104.7	105.8	111.6	108.7	113.3	112.3	107.1	106.6	111.0			
ERDA	2818	29.8	156.9	152.2	170.7	147.9	162.2	142.6	146.6	139.2	145.8	142.7	168.2			
SYNTHETIC MATERIALS	282	12.1	184.6	191.0	186.0	179.1	190.3	193.6	192.0	191.0	195.3	194.5	187.6	182.8	-2.6	-1.3
PLASTICS MATERIALS	2821	4.4	168.1	171.2	170.0	167.2	179.0	185.0	184.0	185.4	188.5	181.3	180.2	174.3	-3.3	3.4
OTHER SYNTHETICS	2822-4	7.7	193.6	201.8	194.6	185.5	196.5	198.3	196.4	194.1	199.0	201.7	191.6	187.5	-2.2	-3.5
DRUGS	283	2.0	169.9	186.8	173.7	166.7	187.8	201.7	199.3	200.1	199.8	205.2	195.3	186.6	-4.5	5.7
SOAP AND TOILETRIES	284	1.0	132.7	137.6	136.8	133.8	138.5	146.5	141.6	145.6	144.6	149.4	148.5	144.1	-3.0	5.9
FARM CHEMICALS	287	2.7	142.1	139.2	143.4	143.7	155.0	150.2	153.3	148.1	150.1	152.5	154.7	152.9	-1.2	7.4
PETROLEUM PRODUCTS	29	22.3	155.5	161.3	158.6	159.8	166.2	174.6	170.4	172.5	177.4	174.0	172.0	171.2	-4	8.4
RUBBER AND PLASTICS PROD.	30	10.8	152.0	143.4	144.5	163.8	173.5	172.7	177.3	164.3	175.0	179.0	180.9	177.9	-1.6	6.8
TIRES	301	3.2	121.5	96.7	147.3	143.3	151.9	149.0	156.7	143.8	152.1	151.3	155.7	145.5	-6.5	-6
RUBBER PRODUCTS NEC	306	2.3	121.5	119.5	125.5	125.2	129.5	127.5	132.1	119.2	129.2	134.0	133.2	132.2	-8	5.6
PLASTICS PRODUCTS NEC	307	4.8	186.2	188.7	190.2	192.7	206.3	207.9	209.6	198.0	209.5	216.1	217.4	219.5	1.0	12.0
LEATHER AND PRODUCTS	31	1.3	113.9	115.2	111.5	113.1	118.1	120.1	121.9	112.9	122.6	124.6	121.7	119.8	-1.6	7.9
SHOES	314	.6	102.7	104.2	99.3	102.1	102.6	103.6	104.9	97.4	105.8	107.8	103.6	101.1	-2.4	1.9
CLAY, GLASS, STONE PRODUCTS	32	20.8	134.1	138.9	139.8	128.3	143.6	147.7	147.0	145.9	149.8	150.4	151.9	149.7	-1.4	6.2
FLAT GLASS	321	1.2	124.6	127.1	125.6	124.7	126.7	127.7	129.0	126.6	129.7	126.8	128.0	124.0	-3.1	-8
PRESSED AND BLOWN GLASS	322	3.5	188.5	192.0	192.3	184.1	193.4	198.7	197.1	195.2	200.6	200.6	203.6	201.2	-1.2	3.1
CEMENT	324	8.4	105.0	113.2	109.5	89.6	115.0	122.9	118.5	119.7	124.4	124.7	126.3	121.4	-3.9	10.3
STRUCTURAL CLAY PRODUCTS	325	1.3	111.3	113.2	115.1	106.8	110.8	108.8	112.0	106.7	108.6	111.1	111.6	114.5	2.6	-2.2
CONCRETE PRODUCTS	327	2.3	163.0	169.6	176.4	165.5	184.6	187.3	188.6	185.9	188.0	188.1	189.9	192.3	1.2	6.7
PRIMARY METALS	33	132.0	116.4	118.9	119.5	119.7	123.4	119.7	122.4	119.8	120.0	119.2	122.9	121.1	-1.5	1.6
BASIC STEEL & MILL PROD.	331	54.4	114.0	115.7	110.3	113.7	121.0	113.0	119.2	114.8	113.5	110.6	115.0	112.6	-2.1	2.9
IRON & STEEL FOUNDRIES	332	5.9	179.8	177.6	182.3	183.9	192.6	189.0	195.9	176.6	188.4	202.1	205.7	204.7	-5	10.8
PRIMARY NONFERROUS METALS	333	59.5	108.3	113.0	118.3	115.2	115.5	115.9	114.8	116.6	116.1	115.1	119.0	117.1	-1.7	-8
ALUMINUM	3334	53.6	108.1	113.4	118.1	112.6	112.1	114.2	112.0	115.1	114.2	113.3	116.2	113.2	-1.6	-4.1
NONFERROUS MILL PRODUCTS	335	8.4	118.5	118.2	116.2	113.3	113.4	109.0	112.4	107.0	109.5	110.5	110.5	108.8	-1.5	-5.3
NONFERROUS FOUNDRIES	336	1.4	135.5	133.5	140.4	143.4	149.6	148.1	150.8	142.1	147.4	154.9	161.0	160.7	-2	13.7
FABRICATED METAL PRODUCTS	34	14.8	140.1	141.3	144.2	144.6	147.5	151.2	150.2	145.8	152.2	155.7	155.7	154.7	-7	6.3
METAL CANS	341	1.0	193.7	206.6	189.1	195.5	205.0	223.0	214.9	222.2	224.8	222.0	217.9	205.9	-5.5	9.8
HARDWARE	342	1.6	140.5	141.8	149.6	145.2	146.1	147.8	145.0	141.9	145.2	156.1	154.7	149.8	-3.1	-4
STRUCTURAL METAL PROD.	344	3.5	122.5	120.3	123.0	121.1	119.0	123.8	120.9	116.2	127.1	128.1	129.8	129.5	-2	3.7
FASTENERS	345	1.2	121.5	123.5	129.0	131.2	134.4	133.0	136.8	128.3	134.0	136.7	136.6	139.8	2.3	7.4
METAL STAMPINGS	346	3.1	142.7	144.2	145.8	145.8	155.0	153.6	158.3	150.5	153.7	156.5	163.1	160.9	-1.4	8.1
NONELECTRICAL MACHINERY	35	17.3	139.4	143.4	141.3	140.3	145.6	149.2	149.8	145.8	146.8	154.9	151.0	148.7	-1.5	4.9
ENGINES AND TURBINES	351	1.4	139.6	142.9	144.5	145.1	146.1	146.3	146.1	143.7	141.7	153.4	151.5	153.1	1.0	5.1
FARM EQUIPMENT	352	1.2	115.6	118.0	110.7	125.2	130.1	123.5	136.3	116.9	118.1	135.5	131.3	128.0	-2.5	17.1
CONSTRUCTION EQUIPMENT	353	3.0	150.3	150.9	153.3	149.7	154.4	157.5	158.3	153.9	151.8	166.7	160.1	162.3	1.3	6.2
METALWORKING MACHINERY	354	2.8	109.0	109.9	111.9	114.6	117.8	121.6	122.0	118.5	119.6	126.7	124.4	120.4	-3.2	7.1
SPECIAL INDUSTRY MACH.	355	1.5	140.2	142.0	142.5	139.4	143.2	144.9	145.9	141.4	142.9	150.3	144.6	145.4	.6	-4
GENERAL INDUSTRIAL MACH.	356	2.7	136.3	140.1	137.4	135.4	140.8	143.1	143.9	139.4	141.3	148.7	147.0	144.9	-1.4	4.5
OFFICE AND COMPUTING MACH.	357	1.4	178.6	193.1	183.3	177.7	187.4	197.8	194.9	195.1	198.6	199.5	190.6	186.2	-2.3	1.3
SERVICE INDUSTRY MACH.	358	1.2	151.4	159.5	151.2	149.2	160.7	165.1	165.2	164.9	161.4	169.1	163.5	157.7	-3.6	3.1
ELECTRICAL MACHINERY	36	19.2	125.1	129.7	126.3	123.3	130.2	135.5	135.4	132.0	134.6	139.7	135.5	131.7	-2.8	3.5
ELECT. DISTRIBUTION EQ.	361	1.8	113.8	116.1	115.4	112.5	116.7	119.4	121.0	120.3	115.3	122.6	121.7	116.0	-4.6	1.4
ELECT. INDUST. APPARATUS	362	3.5	110.4	112.9	113.9	109.7	113.9	115.0	116.6	112.3	115.1	117.6	115.5	111.3	-3.6	-1.8
HOME APPLIANCES	363	2.2	107.2	107.1	104.7	105.8	116.4	118.6	121.5	116.3	117.6	122.0	118.2	115.0	-2.7	8.3
LIGHTING & WIRING PROD.	364	1.5	140.8	139.7	144.0	143.4	148.7	148.1	151.4	140.0	143.7	160.8	156.9	154.4	-1.6	5.5
RADIO AND TV SETS	365	.8	102.6	111.8	103.5	97.8	106.4	119.8	115.1	118.2	121.5	119.6	113.0	112.0	-9	5.7
COMMUNICATION EQUIP.	366	3.9	137.2	145.5	136.3	131.2	141.4	153.6	149.7	147.2	155.1	158.6	153.2	147.5	-3.7	8.6
ELECTRONIC COMPONENTS	367	4.2	130.2	138.1	132.6	129.6	137.9	147.9	143.8	144.6	147.9	151.0	144.7	141.5	-2.2	5.5
TRANSPORTATION EQUIPMENT	37	23.6	120.3	121.6	122.6	123.8	131.9	133.6	135.3	133.2	130.2	137.5	139.0	133.7	-3.8	4.3
MOTOR VEHICLES AND PARTS	371	12.8	134.5	135.3	137.8	140.0	151.5	150.6	155.7	150.7	144.6	156.6	160.8	153.9	-4.3	4.5
AIRCRAFT AND PARTS	372	8.4	84.7	86.9	84.5	82.8	86.3	90.5	88.0	89.8	90.5	91.1	88.0	84.8	-3.7	-2
SHIPS AND BOATS	373	1.3	127.6	125.9	130.6	134.6	129.4	132.8	128.7	128.5	134.9	135.0	131.2	131.5	.3	-1
INSTRUMENTS	38	3.1	143.3	153.8	143.8	140.5	148.0	161.3	155.5	157.5	161.7	164.8	158.6	151.6	-4.4	6.4
PHOTOGRAPHIC EQUIPMENT	386	1.4	150.1	159.4	151.0	143.3	146.7	156.1	151.5	154.4	158.0	155.8	154.9	147.2	-5.0	-9
MISC. MANUFACTURES	39	2.5	143.5	149.6	144.4	143.1	146.4	155.3	151.0	148.0	155.7	162.4	157.3	153.2	-2.6	7.1
SUPPLEMENTARY GROUPINGS																
TOTAL, EXCLUDING ERDA		530.6	129.3	131.5	132.2	130.4	136.3	135.8	138.1	135.0	135.8	136.6	137.3	135.6	-1.2	2.2
ELECTRIC UTILITIES		462.6	141.1	143.1	145.4	142.1	149.7</									

EXPLANATORY NOTE

Coverage. The industrial production index is a measure of the physical output of the nation's factories, mines, and electric and gas utilities expressed as a percentage of production in a base period, currently 1967. The 235 individual series representing Standard Industrial Classification (SIC, 1967 edition) codes 10-14, 19-39, 49, and 91 (part) are calculated first as index series relatives. These relatives are aggregated into: (1) market groupings (such as consumer goods, equipment, intermediate products, and materials) from which the total is derived and (2) industry groupings (e.g., SIC 2-digit industries) and major aggregates of these groupings, such as manufacturing, mining, and utilities.

Timing. A first estimate of output for a month is published about the 15th of the following month. This estimate may revise in each of the next three months as new data become available. After the fourth month, indexes are not further revised until an annual or a benchmark revision.

Source data. The monthly indexes of industrial production are built up from data of two types: (1) directly-measured physical product data, (2) estimates of physical product output derived from input data adjusted by conversion factors which relate these inputs to physical output. The directly measured physical product data (lbs., tons, etc.) are obtained from reports of the Bureau of the Census, Bureau of Mines, other government agencies, and trade associations. Estimates of physical output based on input data are used when appropriate monthly physical product data are not available. The major input data are (a) hours worked by production workers as indicated by the monthly establishment survey of the Bureau of Labor Statistics, and (b) industrial electric power use as ascertained from utilities by the Federal Reserve Banks. The input

conversion estimates are based mainly on their historical trends and recent developments.

Seasonal adjustment. Individual series are seasonally adjusted by the X-11 version of the Method II seasonal adjustment procedure developed by the Bureau of the Census. The seasonal adjustment factors for the basic aggregate series in the summary table and in Tables 1 and 3 are reviewed and edited monthly. The seasonal factors currently being used were developed from data only through 1974 in order to diminish the effect of the subsequent sharp recession and recovery on the seasonal factors.

Weights. The total index and various groupings of component series are combined on the basis of 1967 value-added weights (shown in the first column of the index tables). The gross-value-weighted product series are expressed in terms of 1972 dollars.

Formula. The symbolic expression for the total index (I) is:

$$I_t = \sum \left(\frac{q_{67}p_{67}}{\sum q_{67}p_{67}} \right) \cdot \left(\frac{q_t}{q_{67}} \right) \cdot 100 = \frac{\sum q_t p_{67}}{\sum q_{67} p_{67}} \cdot 100$$

where q is quantity, p is Census value-added per unit of output, and t represents the t-th period.

Reliability. The median of the revisions in total IP, without regard to sign, between the first and fourth estimates is .25 per cent; that is, in about half of the cases, the absolute value of the revision from the first to the fourth estimate was less than .25 per cent. (Calculated on the basis of data for the August 1971 to July 1976 period).