

FEDERAL RESERVE



Industrial Production

G.12.3

For release at 9:30 a.m.
April 15, 1981

Industrial production increased an estimated 0.4 percent in March, following a decline of similar magnitude in February. Most of the March gain was due to an increase in the output of autos, trucks, and related parts; changes in other groupings were mixed. At 151.7 percent of the 1967 average, the March index was 8.0 percent above its July 1980 low but slightly below its year-earlier level. Industrial output in the first quarter of 1981 averaged 1.6 percent higher than in the fourth quarter of 1980--a 6.6 percent rise at a compound annual rate.

Market Groupings

Output of consumer goods increased 0.5 percent in March, reflecting a 7.6 percent rise in automotive products. Autos were assembled at an annual rate of 6.5 million units--about 12 percent more than in February--and output of lightweight trucks for consumer use also rose sharply. Production of home goods, such as appliances, edged up in March, but output of consumer nondurable goods decreased slightly further. Following a small decline in February, output of business equipment advanced 0.8 percent in March; this was due, in large part, to sharp increases in production of building and mining equipment and trucks. Output of construction supplies edged down further and remained more than 5 percent below their level a year earlier.

Total materials output was little changed in March. Durable goods materials increased 0.8 percent, mainly reflecting increases in the production of parts for consumer durables and for equipment. Nondurable goods materials output edged down further; and production of energy materials declined, mainly because of strike-related decreases in coal output.

INDUSTRIAL PRODUCTION: MAJOR MARKET GROUPINGS (Seasonally Adjusted)

Major Market Groupings	1967=100		Percentage change					Mar. 1981 from year earlier
			1980		1981			
	1981		Nov.	Dec.	Jan.	Feb.	Mar.	
	Feb.(p)	Mar.(e)	From preceding month					
Total	151.1	151.7	1.7	1.1	.5	-.4	.4	-.3
Products, total	149.6	150.3	1.0	.8	.2	-.4	.5	.2
Final Products	147.8	148.8	1.2	.5	-.1	-.3	.7	.7
Consumer Goods	146.9	147.7	1.0	-.2	-.3	-.2	.5	-.6
Durable	137.9	141.6	2.4	-1.1	-2.0	-.4	2.7	-1.7
Nondurable	150.5	150.2	.5	.1	.3	-.1	-.2	-.1
Business Equipment	178.0	179.5	1.3	1.9	.4	-.3	.8	1.9
Defense and Space	100.7	101.0	1.3	.9	.1	-.1	.3	4.0
Intermediate Products	156.1	156.2	.7	1.7	1.1	-1.1	.1	-1.3
Construction Supplies	145.0	144.4	1.6	1.3	1.9	-1.6	-.4	-5.2
Materials	153.4	153.7	2.8	1.4	.9	-.3	.2	-1.0

p--preliminary e--estimate

Industry Groupings

Manufacturing output increased 0.4 percent in March, following a decline of 0.5 percent in February. A 0.9 percent increase in durable goods manufacturing reflected a sizable gain in production of motor vehicles and parts and a moderate increase in machinery output. Production of nondurable goods industries edged down again in March. Due to increases in metal mining and oil and gas extraction, mining production increased slightly, despite decreased coal output. Output of utilities was little changed in March.

INDUSTRIAL PRODUCTION: MAJOR INDUSTRY GROUPINGS (Seasonally Adjusted)

Major Industry Groupings	1967=100		Percentage change					Mar. 1981 from year earlier
	1981		1980		1981			
	Feb.(p)	Mar.(e)	Nov.	Dec.	Jan.	Feb.	Mar.	
			From preceding month					
Manufacturing	150.4	151.0	1.8	1.0	.3	-.5	.4	-.7
Durable	140.1	141.3	2.6	.9	.5	-.9	.9	-1.5
Nondurable	165.2	165.0	.9	1.0	.2	-.1	-.1	.2
Mining	143.3	143.7	3.0	2.4	1.5	1.3	.3	8.0
Utilities	169.7	169.9	.6	-.7	.4	-.8	.1	-1.2
p--preliminary e--estimate								

p--preliminary e--estimate

FEDERAL RESERVE

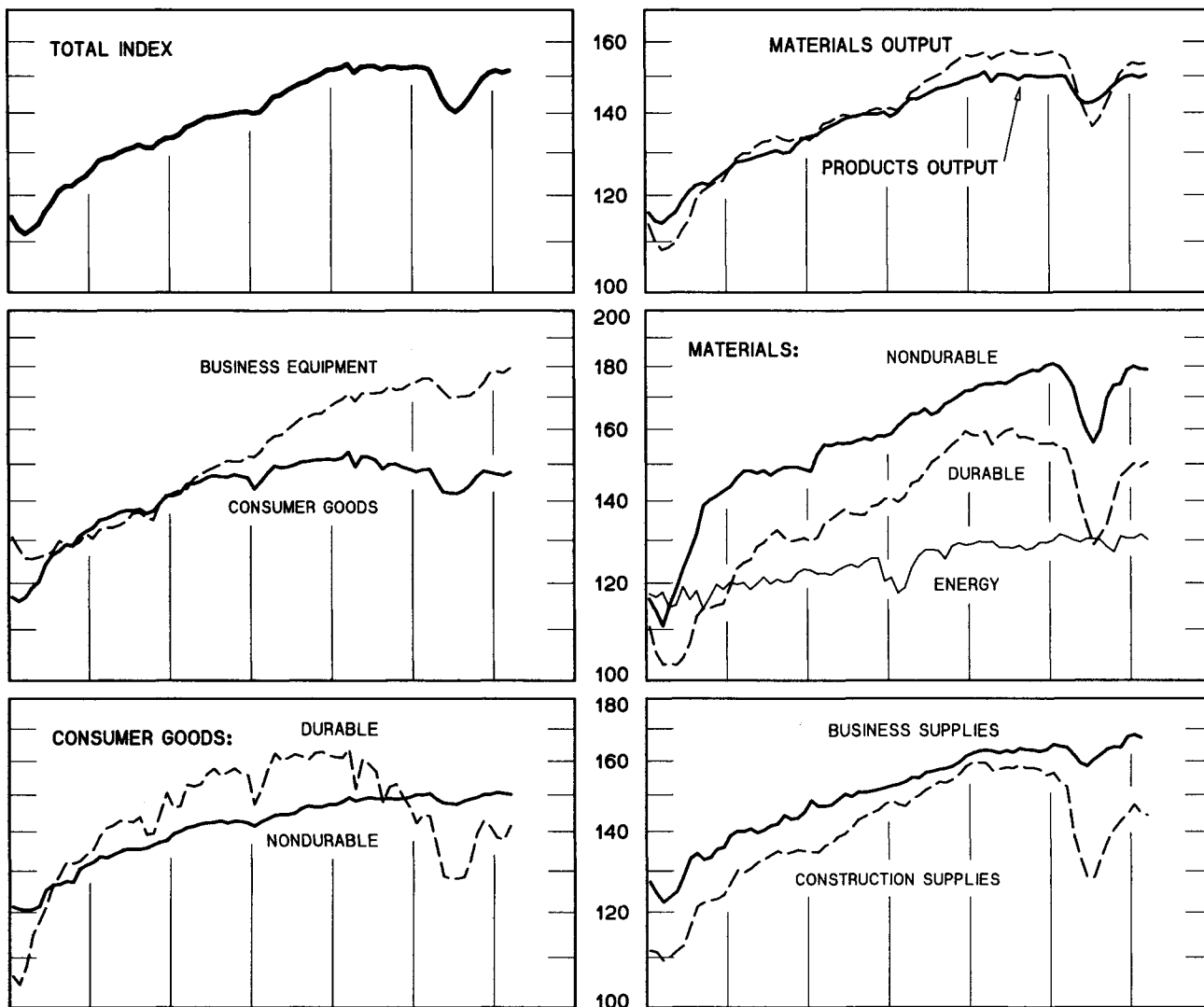


Industrial Production

INDUSTRIAL PRODUCTION

MARCH DATA

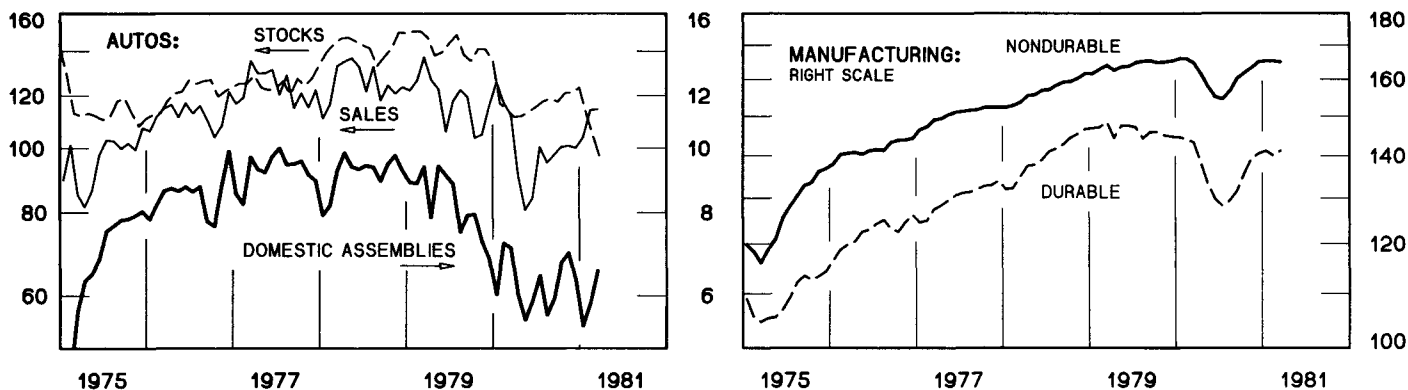
SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



1969-70=100

ANNUAL RATE, MILLIONS OF UNITS

1967=100



AUTOS: SALES AND STOCKS INCLUDE IMPORTS

Table 1A

INDUSTRIAL PRODUCTION: MARKET GROUPINGS

Seasonally adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967	1980	1980											1981		
	PRO- TION	PORT- AVG.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	
TOTAL INDEX	100.00	147.1	152.1	148.3	144.0	141.5	140.4	141.8	144.1	146.9	149.4	151.0	151.7	151.1	151.7	
PRODUCTS, TOTAL	60.71	146.8	150.0	146.6	143.7	142.5	142.8	143.8	145.3	147.2	148.7	149.9	150.2	149.6	150.3	
FINAL PRODUCTS	47.82	145.4	147.7	145.4	143.1	142.3	142.4	142.8	143.9	145.8	147.5	148.3	148.2	147.8	148.8	
CONSUMER GOODS	27.68	145.5	148.6	145.3	142.4	142.1	142.0	142.7	144.3	146.6	148.0	147.7	147.2	146.9	147.7	
EQUIPMENT	20.14	145.1	146.6	145.6	144.0	142.6	142.9	142.9	143.2	144.8	146.7	149.1	149.5	149.1	150.2	
INTERMEDIATE PRODUCTS	12.89	151.9	158.3	150.8	146.2	143.5	144.5	147.6	150.6	152.4	153.5	156.1	157.8	156.1	156.2	
MATERIALS	39.29	147.7	155.3	151.0	144.3	140.0	136.5	138.6	142.4	146.4	150.5	152.6	153.9	153.4	153.7	
CONSUMER GOODS																
DURABLE CONSUMER GOODS	7.89	136.5	144.1	136.3	128.8	128.2	128.3	128.6	132.7	139.6	142.9	141.3	138.5	137.9	141.6	
AUTOMOTIVE PRODUCTS	2.83	132.7	141.0	126.3	118.5	121.6	129.2	121.5	130.6	141.8	145.3	139.1	127.1	129.1	138.9	
AUTOS & UTILITY VEHICLES	2.03	109.9	122.0	102.3	92.6	97.1	106.4	94.1	105.5	120.2	124.3	115.9	99.8	103.6	117.2	
AUTOS, TOTAL	1.90	103.4	114.9	97.1	88.4	95.7	105.2	91.3	98.0	110.7	114.3	105.3	90.0	96.0	108.3	
AUTO PARTS & ALLIED GOODS	.80	190.4	189.1	187.2	184.0	183.7	186.9	191.1	194.2	196.8	198.6	198.0	196.6	193.8	194.0	
HOME GOODS	5.06	138.7	145.8	142.0	134.6	132.0	127.7	132.6	134.0	138.3	141.5	142.6	144.9	142.8	143.1	
APPLIANCES, AIR COND & TV	1.40	117.1	122.1	114.8	102.8	105.6	102.3	114.2	116.3	123.5	128.4	126.8	131.2	124.2	125.7	
APPLIANCES AND TV	1.33	119.5	125.0	117.5	106.0	108.5	103.4	114.2	117.6	125.6	131.0	129.2	132.7	126.7		
CARPETING AND FURNITURE	1.07	155.0	169.1	165.8	154.2	146.7	136.1	141.1	146.1	150.2	154.9	156.3	156.4	157.0		
MISC. HOME GOODS	2.59	143.6	149.0	146.8	143.8	140.2	138.1	139.1	138.6	141.5	143.0	145.4	147.5	147.0	146.5	
NONDURABLE CONSUMER GOODS	19.79	149.1	150.3	148.8	147.7	147.6	147.4	148.3	148.9	149.4	150.1	150.2	150.7	150.5	150.2	
CLOTHING	4.29	126.8	131.8	128.7	127.9	126.7	122.5	123.6	122.1	125.1	127.3	123.7	124.1			
CONSUMER STAPLES	15.50	155.3	155.5	154.4	153.2	153.4	154.3	155.1	156.3	156.1	156.4	157.5	158.1	158.1	157.4	
CONSUMER FOODS & TOBACCO	8.33	147.0	147.3	146.2	146.1	146.2	146.4	146.0	147.0	147.7	148.0	148.9	148.6	148.5		
NONFOOD STAPLES	7.17	165.0	165.0	164.0	161.5	161.7	163.6	165.7	167.1	165.9	166.2	167.6	169.1	169.2	168.4	
CONSUMER CHEMICAL PROD	2.63	208.7	208.9	206.9	203.0	202.6	204.3	209.3	213.0	210.2	210.0	212.5	214.5	215.6		
CONSUMER PAPER PRODUCTS	1.92	122.9	121.6	120.4	120.2	120.6	121.5	122.0	122.3	124.8	127.3	127.0	127.6	128.5		
CONSUMER ENERGY PROD	2.62	151.9	152.7	152.8	150.1	150.9	153.5	153.9	154.0	151.5	150.8	152.3	154.1	152.5		
RESIDENTIAL UTILITIES	1.45	171.2	169.6	172.5	169.8	170.1	176.5	178.6	178.3	175.0	171.8	171.2	174.4			
EQUIPMENT																
BUSINESS EQUIPMENT	12.63	173.3	176.1	174.2	171.9	169.8	170.1	170.3	170.5	172.3	174.5	177.8	178.5	178.0	179.5	
INDUSTRIAL EQUIPMENT	6.77	157.0	159.3	159.3	157.8	155.2	154.8	154.5	154.2	154.4	157.1	160.7	164.1	165.3	167.1	
BUILDING AND MINING EQUIP	1.44	241.3	235.6	239.5	242.2	241.0	244.4	243.6	243.4	244.3	250.1	255.7	267.5	274.0	282.4	
MANUFACTURING EQUIPMENT	3.85	128.5	133.1	131.9	129.5	126.1	126.0	124.4	123.9	123.9	126.4	130.6	131.1	130.6	130.9	
POWER EQUIPMENT	1.47	149.0	153.2	152.3	149.1	147.1	142.0	145.9	146.1	146.1	146.0	146.1	148.8	149.3	148.5	
CON'L, TRANSIT, FARM EQ	5.86	192.1	195.5	191.5	188.2	186.7	187.8	188.4	189.4	192.8	194.7	197.6	195.1	192.6	193.8	
COMMERCIAL EQUIPMENT	3.26	237.5	240.4	235.6	232.0	228.8	229.0	233.6	237.2	242.0	244.0	248.3	247.4	247.7	249.0	
TRANSIT EQUIPMENT	1.93	139.4	142.5	143.0	136.3	138.0	140.9	138.4	133.8	135.0	136.6	137.9	131.7	124.7	125.8	
FARM EQUIPMENT	.67	123.2	129.7	116.4	124.6	121.6	122.5	112.7	116.8	120.2	121.9	123.1	122.9	120.3		
DEFENSE AND SPACE EQUIPMENT	7.51	97.8	97.1	97.6	97.2	96.8	97.2	96.9	97.4	98.5	99.8	100.7	100.8	100.7	101.0	
INTERMEDIATE PRODUCTS																
CONSTRUCTION SUPPLIES	6.42	140.7	152.3	139.4	133.0	128.5	128.6	133.1	137.4	140.5	142.8	144.6	147.3	145.0	144.4	
BUSINESS SUPPLIES	6.47	162.9	164.3	162.0	159.4	158.4	160.4	161.9	163.6	164.3	164.2	167.5	168.1	167.2		
COMMERCIAL ENERGY PRODUCTS	1.14	173.6	174.1	174.8	172.0	168.7	172.1	173.7	175.2	174.6	174.0	179.4	179.2	176.0		
MATERIALS																
DURABLE GOODS MATERIALS	20.35	143.1	154.2	148.2	139.8	133.8	129.0	131.3	134.2	140.4	146.6	148.4	150.2	149.3	150.5	
DURABLE CONSUMER PARTS	4.58	109.0	120.3	110.6	100.1	96.0	93.9	98.1	104.2	110.8	115.5	116.3	115.8	113.8	117.5	
EQUIPMENT PARTS	5.44	187.3	199.2	195.8	190.8	182.5	177.6	176.3	176.0	178.5	184.0	185.8	189.2	188.7	189.6	
DURABLE MATERIALS NEC	10.34	135.0	145.5	139.8	130.5	125.0	118.9	122.4	125.4	133.4	140.6	142.9	144.8	144.2	144.5	
BASIC METAL MATERIALS	5.57	104.6	116.6	109.3	100.0	95.9	84.7	89.4	91.7	102.0	114.4	115.0	116.8	117.0		
NONDURABLE GOODS MATERIALS	10.47	170.7	177.0	173.2	165.2	159.6	156.2	159.8	169.7	173.7	174.1	178.8	180.0	179.2	179.0	
TEXTILE, PAPER, & CHEM MAT	7.62	177.0	185.2	180.7	171.5	163.4	158.5	163.2	175.1	180.5	181.0	186.5	187.3	186.8	186.5	
TEXTILE MATERIALS	1.85	116.0	120.7	117.7	117.6	114.0	114.4	111.0	114.7	114.9	113.0	111.8	111.0	110.7		
PAPER MATERIALS	1.62	145.1	144.2	141.2	141.7	143.4	138.4	142.0	148.2	147.3	149.5	150.0	149.6	149.7		
CHEMICAL MATERIALS	4.15	216.7	230.1	224.3	207.3	193.3	186.1	194.9	212.6	222.9	223.8	234.1	236.1	235.3		
CONTAINERS, NONDURABLE	1.70	165.1	167.1	166.8	155.8	157.7	159.0	158.8	167.2	168.6	166.6	169.7	172.9	172.2		
NONDURABLE MATERIALS NEC	1.14	137.3	137.4	133.0	136.4	136.8	136.6	137.9	137.2	135.7	139.1	141.1	142.2	138.8		
ENERGY MATERIALS	8.48	130.0	130.9	130.1	129.6	130.4	130.4	130.0	128.4	127.2	130.9	130.5	130.5	131.5	130.2	
PRIMARY ENERGY	4.65	115.1	115.6	116.4	116.2	117.3	115.6	114.0	114.3	113.7	114.5	115.0	114.0	115.9		
CONVERTED FUEL MATERIALS	3.82	148.2	149.6	146.9	145.8	146.4	148.4	149.4	145.4	143.6	150.9	149.4	150.5	150.4		
SUPPLEMENTARY GROUPS																
HOME GOODS AND CLOTHING	9.35	133.2	139.4	135.9	131.5	129.5	125.3	128.5	128.5	132.2	135.0	133.9	135.3	133.7	134.3	
ENERGY, TOTAL	12.23	138.8	139.6	139.1	137.9	138.4	139.2	139.2	138.2	136.8	139.2	139.7	140.1	140.1	138.9	
PRODUCTS	3.76	158.5	159.1	159.5	156.7	156.3	159.1	159.9	160.5	158.5	157.9	160.5	161.7	159.6		
MATERIALS	8.48	130.0	130.9	130.1	129.6	130.4	130.4	130.0	128.4	127.2	130.9	130.5	130.5	131.5	130.2	

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

Table 1B

INDUSTRIAL PRODUCTION: MARKET GROUPINGS

Not seasonally adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967 PRO- POR- TION	1980 AVG.	1980										1981		
			MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.
TOTAL INDEX	100.00	147.1	153.2	148.1	143.5	145.0	137.2	142.9	148.6	150.2	149.5	146.3	147.0	151.1	152.7
PRODUCTS, TOTAL	60.71	146.8	149.9	145.0	142.2	146.2	140.8	146.3	152.5	151.8	148.7	144.2	144.5	148.7	150.1
FINAL PRODUCTS	47.82	145.4	148.0	143.7	141.2	145.6	139.7	144.7	151.2	150.4	147.3	142.7	143.5	147.6	148.9
CONSUMER GOODS	27.68	145.5	149.0	143.6	139.9	145.9	138.3	146.5	154.2	152.7	147.0	139.3	141.6	146.2	148.0
EQUIPMENT	20.14	145.1	146.7	143.9	143.0	145.2	141.6	142.1	147.1	147.2	147.7	147.3	146.0	149.6	150.1
INTERMEDIATE PRODUCTS	12.89	151.9	156.8	149.7	145.9	148.4	144.8	152.2	157.0	157.3	153.8	149.6	148.4	152.4	154.6
MATERIALS	39.29	147.7	158.3	152.9	145.6	143.0	131.7	137.8	142.7	147.6	150.7	149.7	150.9	154.7	156.7
CONSUMER GOODS															
DURABLE CONSUMER GOODS	7.89	136.5	149.1	140.0	130.4	132.9	115.4	121.4	139.0	148.4	144.5	132.2	133.4	140.9	146.5
AUTOMOTIVE PRODUCTS	2.83	132.7	151.5	135.9	123.8	128.9	106.4	101.5	136.3	154.3	149.2	125.2	125.7	135.3	149.2
AUTOS & UTILITY VEHICLES	2.03	109.9	135.8	115.5	103.3	108.4	79.0	65.1	110.2	134.5	128.9	97.0	99.1	110.9	130.6
AUTOS, TOTAL	1.90	103.4	128.4	110.0	99.3	106.9	76.3	61.6	103.4	124.4	119.3	88.6	90.0	102.9	121.3
AUTO PARTS & ALLIED GOODS	.80	190.4	191.3	187.8	175.8	181.0	175.8	194.0	202.4	204.5	200.6	193.7	193.0	197.1	196.3
HOME GOODS	5.06	138.7	147.7	142.3	134.2	135.1	120.5	132.5	140.5	145.1	141.9	136.0	137.8	144.1	145.1
APPLIANCES, AIR COND & TV	1.40	117.1	130.4	122.6	106.1	110.5	90.8	105.7	121.5	134.0	124.0	106.9	125.4	131.9	134.5
APPLIANCES AND TV	1.33	119.5	131.5	123.7	108.2	113.1	92.4	109.3	125.3	138.2	127.7	109.4	126.5	133.2	
CARPETING AND FURNITURE	1.07	155.0	173.5	163.7	151.9	146.7	122.0	142.1	153.2	157.6	158.2	155.7	150.3	160.2	
MISC. HOME GOODS	2.59	143.6	146.4	144.1	142.1	143.7	135.9	143.1	145.6	146.0	144.9	143.7	139.3	144.1	144.0
NONDURABLE CONSUMER GOODS	19.79	149.1	148.9	145.0	143.6	151.1	147.5	156.6	160.3	154.3	148.0	142.2	144.9	148.3	148.6
CLOTHING	4.29	126.8	139.2	132.4	127.4	135.4	108.4	128.7	131.9	129.8	123.6	107.6	115.8		
CONSUMER STAPLES	15.50	155.3	151.6	148.5	148.1	155.5	158.3	164.3	168.1	161.1	154.8	151.8	153.0	154.2	153.5
CONSUMER FOODS & TOBACCO	8.33	147.0	144.4	142.2	143.0	149.3	145.3	153.2	159.1	155.8	148.5	141.6	141.6	143.9	
NONFOOD STAPLES	7.17	165.0	160.0	155.7	154.0	162.6	173.3	177.1	178.6	167.3	162.1	163.7	166.2	166.1	163.3
CONSUMER CHEMICAL PROD	2.63	208.7	199.9	199.3	200.0	211.3	217.7	219.6	230.8	218.8	209.1	202.9	198.8	203.2	
CONSUMER PAPER PRODUCTS	1.92	122.9	116.9	116.8	116.9	121.9	128.3	132.3	131.7	130.3	125.8	120.5	120.2	123.0	
CONSUMER ENERGY PROD	2.62	151.9	151.6	140.6	135.0	143.7	161.8	167.5	160.6	142.9	141.6	155.9	167.2	160.5	
RESIDENTIAL UTILITIES	1.45	171.2	171.7	154.5	143.8	155.9	189.1	202.0	188.1	160.1	153.3	174.4	197.9		
EQUIPMENT															
BUSINESS EQUIPMENT	12.63	173.3	176.0	171.9	170.1	173.4	168.6	169.4	176.9	176.5	176.0	174.2	173.1	178.7	179.1
INDUSTRIAL EQUIPMENT	6.77	157.0	159.1	157.0	155.0	156.6	152.6	153.1	159.8	158.1	159.6	159.7	160.0	166.3	166.7
BUILDING AND MINING EQUIP	1.44	241.3	232.6	234.0	235.8	240.2	239.7	240.7	253.0	251.2	257.9	259.6	261.9	275.4	278.8
MANUFACTURING EQUIPMENT	3.85	128.5	133.9	130.8	127.4	127.7	123.7	124.1	128.3	126.0	127.5	127.8	127.8	132.7	131.7
POWER EQUIPMENT	1.47	149.0	153.0	150.1	148.1	150.4	142.8	143.1	150.7	150.7	147.1	145.1	144.2	147.1	148.3
COM'L, TRANSIT, FARM EQ	5.86	192.1	195.6	189.0	187.6	192.7	187.0	188.3	196.7	197.8	194.9	191.0	188.2	192.9	193.3
COMMERCIAL EQUIPMENT	3.26	237.5	233.2	229.6	229.3	236.2	236.6	242.3	249.7	248.9	245.1	238.9	235.2	242.9	241.5
TRANSIT EQUIPMENT	1.93	139.4	151.6	144.0	138.7	141.8	129.9	127.6	132.5	137.4	137.3	135.3	132.5	131.2	133.8
FARM EQUIPMENT	.67	123.2	139.4	120.7	125.7	128.1	110.4	100.4	123.9	123.6	116.3	118.2	120.4	127.3	
DEFENSE AND SPACE EQUIPMENT	7.51	97.8	97.5	96.9	97.3	97.9	96.2	96.2	97.1	97.9	100.1	102.0	100.5	100.9	101.4
INTERMEDIATE PRODUCTS															
CONSTRUCTION SUPPLIES	6.42	140.7	152.3	142.2	135.4	134.3	126.0	134.0	141.1	144.8	142.9	138.0	137.4	142.8	144.4
BUSINESS SUPPLIES	6.47	162.9	161.2	157.1	156.4	162.3	163.4	170.2	172.7	169.8	164.6	161.2	159.4	162.0	
COMMERCIAL ENERGY PRODUCTS	1.14	173.6	168.9	162.1	162.7	171.9	187.9	191.6	190.2	174.6	165.7	169.4	177.4	171.3	
MATERIALS															
DURABLE GOODS MATERIALS	20.35	143.1	157.1	150.8	142.5	137.9	124.3	128.7	135.4	142.3	146.6	146.4	145.1	149.2	153.4
DURABLE CONSUMER PARTS	4.58	109.0	121.8	111.9	102.0	97.2	88.6	93.3	104.6	113.1	117.3	118.2	114.1	114.2	119.1
EQUIPMENT PARTS	5.44	187.3	199.6	195.6	190.6	185.1	172.4	173.7	177.7	180.7	185.9	189.5	187.8	188.5	190.0
DURABLE MATERIALS NEC	10.34	135.0	150.2	144.4	135.1	131.2	114.8	120.7	126.7	135.0	138.9	136.2	136.3	144.0	149.3
BASIC METAL MATERIALS	5.57	104.6	125.3	117.2	107.5	102.2	79.1	84.0	89.6	100.8	109.2	108.0	112.7	118.3	
NONDURABLE GOODS MATERIALS	10.47	170.7	180.9	176.9	166.9	163.0	148.5	159.7	169.3	176.9	176.3	171.4	176.0	181.2	182.8
TEXTILE, PAPER, & CHEM MAT	7.62	177.0	189.3	185.3	173.8	167.5	150.9	163.3	174.2	181.4	182.8	179.4	183.1	188.9	190.6
TEXTILE MATERIALS	1.85	116.0	125.7	121.6	122.4	119.1	94.8	112.3	114.4	118.3	114.2	103.2	111.2	115.2	
PAPER MATERIALS	1.62	145.1	152.0	146.4	145.2	147.4	130.2	142.9	142.9	149.4	149.3	136.2	148.6	154.2	
CHEMICAL MATERIALS	4.15	216.7	232.4	229.0	208.0	197.1	184.1	194.1	213.1	222.1	226.7	230.4	228.8	235.4	
CONTAINERS, NONDURABLE	1.70	165.1	173.0	170.0	158.6	163.5	154.2	164.4	170.1	176.5	162.7	150.8	165.2	174.9	
NONDURABLE MATERIALS NEC	1.14	137.3	136.2	130.7	133.0	131.9	123.7	129.0	135.4	147.8	152.5	148.7	144.7	139.1	
ENERGY MATERIALS	8.48	130.0	133.4	128.4	126.6	130.5	128.7	132.5	127.5	123.9	128.9	131.1	134.0	135.5	132.7
PRIMARY ENERGY	4.65	115.1	117.5	117.6	117.3	118.3	111.2	115.1	113.6	113.1	113.8	114.3	113.6	117.4	
CONVERTED FUEL MATERIALS	3.82	148.2	152.8	141.4	137.8	145.4	150.0	153.6	144.3	137.0	147.2	151.5	158.8	157.4	
SUPPLEMENTARY GROUPS															
HOME GOODS AND CLOTHING	9.35	133.2	143.8	137.7	131.1	135.3	114.9	130.7	136.6	138.1	133.5	123.0	127.7	136.3	138.5
ENERGY, TOTAL	12.23	138.8	140.6	134.1	131.7	137.2	141.3	145.4	140.4	132.7	135.0	140.0	145.2	144.2	139.9
PRODUCTS	3.76	158.5	156.8	147.1	143.4	152.2	169.7	174.8	169.6	152.5	148.9	160.0	170.3	163.8	
MATERIALS	8.48	130.0	133.4	128.4	126.6	130.5	128.7	132.5	127.5	123.9	128.9	131.1	134.0	135.5	132.7

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

Table 2A
INDUSTRIAL PRODUCTION: INDUSTRY GROUPINGS
 Seasonally adjusted, 1967=100

MAJOR INDUSTRY GROUPINGS		SIC CODE	1967 PRO- DUCTION	1980 PRO- DUCTION AVG.	1980 MAR.	1980 APR.	1980 MAY	1980 JUNE	1980 JULY	1980 AUG.	1980 SEP.	1980 OCT.	1980 NOV.	1980 DEC.	1981 JAN.	1981 FEB.	1981 MAR.
MINING AND UTILITIES			12.05	150.4	151.4	150.1	149.6	150.1	150.1	150.5	150.5	150.2	152.8	154.0	155.4	155.8	156.1
MINING			6.36	132.9	133.0	133.1	133.4	132.9	130.6	129.6	130.5	132.1	136.0	139.3	141.4	143.3	143.7
UTILITIES			5.69	169.9	172.0	169.1	167.7	169.3	171.8	173.8	172.7	170.4	171.5	170.3	171.0	169.7	169.9
MANUFACTURING			87.95	146.6	152.1	147.9	143.4	140.3	139.1	140.6	143.4	146.4	149.1	150.6	151.1	150.4	151.0
NONDURABLE			35.97	161.1	164.7	161.6	158.0	155.3	154.7	156.9	160.3	161.8	163.3	165.0	165.3	165.2	165.0
DURABLE			51.98	136.6	143.4	138.4	133.3	129.9	128.3	129.4	131.7	135.8	139.3	140.6	141.3	140.1	141.3
MINING																	
METAL MINING			10	5.11	109.1	132.7	123.5	120.8	120.0	83.1	71.2	73.1	90.8	107.2	122.2	127.1	127.9
COAL			11,12	6.69	146.7	137.2	143.4	145.0	150.0	149.8	154.9	148.9	145.7	151.6	155.3	150.5	158.7
OIL AND GAS EXTRACTION			13	4.40	133.8	131.8	132.5	133.9	133.2	134.3	133.6	134.7	135.4	137.4	139.1	141.8	143.4
STONE AND EARTH MINERALS			14	7.51	131.7	136.0	133.1	128.1	123.9	123.7	123.5	128.2	129.0	133.0	137.8	140.1	139.3
NONDURABLE MANUFACTURES																	
FOODS			20	8.75	149.2	149.3	147.8	149.5	149.0	148.9	148.3	148.6	149.4	150.5	150.7	150.6	151.2
TOBACCO PRODUCTS			21	6.67	119.8	122.2	121.9	116.2	113.9	119.6	117.4	119.1	123.1	125.1	118.8	122.9	
TEXTILE MILL PRODUCTS			22	2.68	136.8	142.0	139.9	137.1	133.6	132.5	132.6	133.0	133.8	135.0	133.9	133.1	132.8
APPAREL PRODUCTS			23	3.31	128.6	136.1	131.3	128.6	127.2	121.5	123.8	126.7	127.5	128.0	125.1	125.5	
PAPER AND PRODUCTS			26	3.21	151.0	152.7	148.2	145.7	146.2	143.6	147.1	152.3	153.0	154.4	156.8	157.0	156.5
PRINTING AND PUBLISHING			27	4.72	139.6	139.2	136.5	135.5	135.4	138.6	140.3	140.3	141.5	142.7	144.9	145.5	146.7
CHEMICALS AND PRODUCTS			28	7.74	206.7	213.6	209.1	199.2	191.1	190.3	197.8	206.8	209.1	212.0	218.8	219.4	218.5
PETROLEUM PRODUCTS			29	1.79	134.9	140.7	137.4	133.0	131.3	130.5	126.7	130.5	130.1	131.2	137.5	138.0	136.7
RUBBER & PLASTICS PRODUCTS			30	2.24	255.8	264.4	261.8	248.1	242.9	242.5	245.9	253.1	259.2	259.6	259.2	258.2	257.4
LEATHER AND PRODUCTS			31	8.61	70.1	72.8	69.9	70.1	68.5	67.8	67.7	67.2	70.2	71.2	67.8	68.9	69.2
DURABLE MANUFACTURES																	
ORDNANCE, PVT & GOVT			19,91	3.64	77.9	76.9	77.5	77.9	77.5	77.1	77.2	77.1	79.1	79.6	79.5	79.3	79.3
LUMBER AND PRODUCTS			24	1.64	119.3	125.3	105.2	104.5	109.7	112.8	121.7	122.6	122.2	124.9	122.0	125.3	122.0
FURNITURE AND FIXTURES			25	1.37	150.0	159.5	157.1	149.5	143.1	138.6	141.1	144.8	147.2	147.2	149.0	149.6	149.9
CLAY, GLASS, STONE PROD			32	2.74	146.5	156.4	148.8	140.8	134.5	134.2	135.7	141.4	145.2	147.8	151.4	155.3	153.1
PRIMARY METALS			33	6.57	101.6	113.7	106.4	96.1	90.4	81.7	86.0	90.1	100.6	113.4	112.1	113.9	113.5
IRON AND STEEL			331,2	4.21	91.7	105.9	97.4	84.4	75.4	68.1	75.3	79.8	93.3	107.4	103.5	108.0	107.4
FABRICATED METAL PROD			34	5.93	135.0	145.5	141.4	133.2	126.1	123.8	125.8	129.0	132.8	134.1	137.4	137.6	138.3
NONELECTRICAL MACHINERY			35	9.15	162.8	166.5	163.2	162.1	158.3	158.5	158.8	159.1	161.1	163.4	167.5	168.9	168.1
ELECTRICAL MACHINERY			36	8.05	172.7	179.2	177.0	171.4	166.6	165.0	166.7	167.5	170.0	173.0	174.9	177.6	174.6
TRANSPORTATION EQUIP			37	9.27	116.8	123.8	115.1	109.8	110.0	110.7	108.3	112.9	118.8	121.7	120.6	117.1	115.1
MOTOR VEHICLES & PTS			371	4.50	118.8	130.1	114.7	105.9	106.7	107.9	104.4	113.4	124.2	129.0	126.3	118.8	117.6
AEROSPACE & MISC			372-9	4.77	114.9	117.8	115.5	113.5	113.1	113.4	111.9	112.3	113.6	114.8	115.2	115.5	112.8
INSTRUMENTS			38	2.11	171.0	173.5	173.8	171.0	169.2	167.5	167.6	167.4	169.6	169.9	172.1	173.0	172.1
MISCELLANEOUS MFRS			39	1.51	147.8	152.8	151.2	147.3	143.7	144.7	144.2	142.8	145.0	147.5	149.5	151.8	152.5
UTILITIES																	
ELECTRIC				3.88	189.7	192.4	187.9	186.0	188.7	192.4	195.4	193.9	190.3	191.5	190.3	191.2	188.9

Table 3
INDUSTRIAL PRODUCTION: PERCENT CHANGES
 Based on seasonally adjusted indexes

	1980										1981		
	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	
CHANGE FROM PREVIOUS MONTH													
TOTAL INDEX	-2.5	-2.9	-1.7	-.8	1.0	1.6	1.9	1.7	1.1	.5	-.4	.4	
FINAL PRODUCTS	-1.6	-1.6	-.6	-.1	.3	.8	1.3	1.2	.5	-.1	-.3	.7	
CONSUMER GOODS	-2.2	-2.0	-.2	-.1	.5	1.1	1.6	1.0	-.2	-.3	-.2	.5	
DURABLE CONSUMER GOODS	-5.4	-5.5	-.5	-.1	.2	3.2	5.2	2.4	-1.1	-2.0	-.4	2.7	
NONDURABLE CONSUMER GOODS	-1.0	-.7	-.1	-.1	.6	.4	.3	.5	-.1	.3	-.1	-.2	
BUSINESS EQUIPMENT	-1.1	-1.3	-1.2	-.2	.1	.1	1.1	1.3	1.9	.4	-.3	.8	
INTERMEDIATE PRODUCTS	-4.7	-3.1	-1.8	.7	2.1	2.0	1.2	.7	1.7	1.1	-1.1	.1	
MATERIALS	-2.8	-4.4	-3.0	-2.5	1.5	2.7	2.8	2.8	1.4	.9	-.3	.2	
DURABLE GOODS MATERIALS	-3.9	-5.7	-4.3	-3.6	1.8	2.2	4.6	4.4	1.2	1.2	-6.8	.8	
NONDURABLE GOODS MATERIALS	-2.1	-4.6	-3.4	-2.1	2.3	6.2	2.4	.2	2.7	.7	-.4	-.1	
MANUFACTURING	-2.8	-3.0	-2.2	-.9	1.1	2.0	2.1	1.8	1.0	.3	-.5	.4	
NONDURABLE	-1.9	-2.2	-1.7	-.4	1.4	2.2	.9	.9	1.0	.2	-.1	-.1	
DURABLE	-3.5	-3.7	-2.6	-1.2	.9	1.8	3.1	2.6	.9	.5	-.9	.9	
MINING AND UTILITIES	-.9	-.3	.3	.0	.3	.0	-.2	1.7	.8	.9	.3	.2	
CHANGE FROM SAME MONTH A YEAR AGO													
TOTAL INDEX	-1.9	-5.7	-7.5	-8.2	-6.8	-5.6	-3.8	-1.9	-1.0	-.7	-1.0	-.3	
FINAL PRODUCTS	.0	-3.2	-3.7	-3.4	-2.1	-2.3	-1.0	.3	.7	.8	.1	.7	
CONSUMER GOODS	-2.7	-6.4	-6.6	-6.1	-4.0	-3.8	-2.3	-.7	-.6	-.5	-1.0	-.6	
DURABLE CONSUMER GOODS	-10.2	-19.8	-19.4	-18.2	-13.1	-12.9	-8.8	-4.5	-3.7	-2.7	-4.6	-1.7	
NONDURABLE CONSUMER GOODS	.3	-.8	-1.1	-1.1	-.5	-.1	.4	.7	.6	.4	.3	-.1	
BUSINESS EQUIPMENT	3.3	-.4	-.8	-.7	-.8	-1.7	.0	1.1	2.1	2.1	1.1	1.9	
INTERMEDIATE PRODUCTS	-5.8	-8.7	-10.7	-9.9	-8.5	-6.2	-5.1	-4.2	-2.2	-1.9	-1.9	-1.3	
MATERIALS	-2.5	-7.6	-10.7	-13.3	-11.5	-9.1	-6.5	-3.7	-2.6	-2.0	-2.0	-1.0	
DURABLE GOODS MATERIALS	-4.8	-11.6	-16.2	-19.5	-16.7	-14.9	-10.7	-5.9	-4.8	-3.7	-3.6	-2.4	
NONDURABLE GOODS MATERIALS	-.5	-5.4	-8.5	-11.0	-9.8	-4.6	-2.9	-2.5	-.8	-.6	-.4	1.1	
MANUFACTURING	-2.6	-6.9	-9.0	-9.9	-8.0	-6.8	-4.8	-2.7	-1.7	-1.5	-1.7	-.7	
NONDURABLE	-.6	-3.4	-5.1	-6.1	-5.0	-3.1	-1.8	-1.0	-.2	-.4	-.4	.2	
DURABLE	-4.2	-9.7	-12.0	-12.8	-10.4	-9.7	-7.0	-4.1	-2.9	-2.4	-2.8	-1.5	
MINING AND UTILITIES	4.2	4.4	5.2	4.9	4.0	4.1	3.1	3.6	3.9	4.9	4.6	3.1	

Table 2B
INDUSTRIAL PRODUCTION: INDUSTRY GROUPINGS
 Not seasonally adjusted, 1967=100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967	1980	1980													1981
		PRO- POR- TION	AVG.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	
MINING AND UTILITIES																	
MINING		12.05	150.4	151.2	145.0	143.1	149.1	151.9	157.1	152.3	146.1	149.4	154.1	159.9	159.9	156.0	
UTILITIES		6.36	132.9	132.7	133.4	134.1	134.5	127.3	130.5	131.9	134.1	137.3	138.1	137.7	141.8	143.6	
		5.69	169.9	171.8	157.9	153.2	165.4	179.4	186.7	175.1	159.4	162.9	172.1	184.7	180.1	169.8	
MANUFACTURING																	
NONDURABLE		87.95	146.6	153.5	148.5	143.4	144.4	135.1	141.3	148.0	150.6	149.5	145.1	145.1	150.0	152.3	
DURABLE		35.97	161.1	164.9	161.3	157.1	160.1	151.0	161.2	167.5	167.8	163.9	156.8	157.5	163.1	165.0	
		51.98	136.6	145.6	139.7	134.2	133.5	124.1	127.6	134.6	138.7	139.5	137.1	136.6	140.9	143.4	
MINING																	
METAL MINING	10	.51	109.1	128.2	124.0	127.3	129.5	83.8	74.8	78.6	93.0	104.3	114.0	116.4	118.1		
COAL	11,12	.69	146.7	146.5	152.7	151.6	159.1	124.6	156.8	153.4	151.8	151.0	143.6	137.6	160.3	158.3	
OIL AND GAS EXTRACTION	13	4.40	133.8	131.5	131.4	132.6	132.3	133.6	133.8	134.7	136.0	138.8	140.1	141.4	144.0	145.6	
STONE AND EARTH MINERALS	14	.75	131.7	130.3	133.9	131.5	128.3	122.3	125.7	131.5	135.1	138.4	137.9	131.0	127.6		
NONDURABLE MANUFACTURES																	
POODS	20	8.75	149.2	146.0	143.3	145.1	150.5	147.5	154.7	159.8	158.1	152.0	147.0	144.3	146.6		
TOBACCO PRODUCTS	21	.67	119.8	125.8	116.7	112.9	120.6	104.1	122.7	128.6	135.1	128.8	97.1	126.0			
TEXTILE MILL PRODUCTS	22	2.68	136.8	144.8	143.0	140.8	143.6	118.1	136.5	137.3	139.5	136.7	123.0	126.0	131.5		
APPAREL PRODUCTS	23	3.31	128.6	145.4	134.4	127.7	135.9	107.4	128.0	135.7	133.4	125.4	106.5	118.0			
PAPER AND PRODUCTS	26	3.21	151.0	160.6	153.4	148.5	152.5	133.8	147.3	149.7	158.8	153.8	141.4	153.1	161.1	163.8	
PRINTING AND PUBLISHING	27	4.72	139.6	131.6	131.3	133.2	139.9	146.5	152.5	153.6	148.0	144.1	137.6	131.8	136.9	138.5	
CHEMICALS AND PRODUCTS	28	7.74	206.7	212.3	210.7	200.3	198.1	192.0	200.1	212.9	212.9	211.3	210.0	208.8	213.3		
PETROLEUM PRODUCTS	29	1.79	134.9	134.1	132.0	132.4	134.6	134.2	131.7	133.4	130.8	134.2	139.3	134.5	131.9	128.2	
RUBBER & PLASTICS PRODUCTS	30	2.24	255.8	275.1	267.6	247.0	242.4	223.4	239.5	255.1	265.4	263.1	255.3	250.4	268.0		
LEATHER AND PRODUCTS	31	.86	70.1	75.8	71.5	71.8	71.3	57.8	68.8	69.1	72.7	70.7	64.2	67.4	70.5		
DURABLE MANUFACTURES																	
ORDNANCE, PVT & GOVT	19,91	3.64	77.9	77.9	78.3	78.5	78.8	77.3	77.1	76.9	77.3	78.0	78.8	79.5	79.9	80.9	
LUMBER AND PRODUCTS	24	1.64	119.3	128.4	105.5	104.6	114.8	110.6	124.0	125.8	127.2	122.3	113.7	119.8	121.0		
FURNITURE AND FIXTURES	25	1.37	150.0	164.9	156.7	146.1	143.6	124.4	141.7	148.9	150.1	148.6	148.9	146.8	158.5		
CLAY, GLASS, STONE PROD	32	2.74	146.5	152.9	150.2	143.6	141.5	135.2	141.3	144.8	152.1	150.1	144.0	141.6	143.3		
PRIMARY METALS	33	6.57	101.6	123.2	114.6	102.9	95.8	75.9	82.3	87.8	98.9	107.8	104.3	108.9	116.6	122.6	
IRON AND STEEL	331,2	4.21	91.7	115.3	105.6	91.1	80.6	65.2	72.0	77.5	91.1	101.4	95.8	101.6	109.5		
FABRICATED METAL PROD	34	5.93	135.0	147.2	141.2	133.0	127.8	119.9	124.9	130.9	135.0	135.4	136.0	133.5	140.4	140.8	
NONELECTRICAL MACHINERY	35	9.15	162.8	166.4	162.2	159.7	162.2	157.6	158.6	165.9	164.7	163.7	163.5	162.5	169.0	168.9	
ELECTRICAL MACHINERY	36	8.05	172.7	179.7	175.7	170.0	169.5	159.0	165.1	171.9	175.3	175.2	173.6	173.8	175.5	176.3	
TRANSPORTATION EQUIP	37	9.27	116.8	128.2	119.0	113.1	114.1	102.3	99.4	114.2	122.6	123.2	117.4	114.9	116.6	123.5	
MOTOR VEHICLES & PTS	371	4.50	118.8	137.4	121.6	111.7	113.6	93.8	88.2	115.5	131.7	131.1	118.0	116.9	121.2	134.0	
AEROSPACE & MISC	372-9	4.77	114.9	119.5	116.5	114.5	114.6	110.3	110.1	112.9	114.0	115.8	116.8	113.0	112.3	113.7	
INSTRUMENTS	38	2.11	171.0	171.6	171.0	170.4	172.5	166.8	168.7	171.5	172.0	172.6	172.1	167.5	169.5	170.0	
MISCELLANEOUS MPFS	39	1.51	147.8	151.1	148.0	145.0	147.5	140.5	149.3	153.4	151.1	148.9	144.1	142.2	151.3	151.2	
UTILITIES																	
ELECTRIC		3.88	189.7	188.5	170.5	166.5	186.8	208.0	218.4	201.5	177.3	178.9	189.5	204.5	197.7	185.4	

Table 4A
INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES
 Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES		SIC CODE	1967 PRO-1 TON	1980 PRO-1 AVG.	1980 FEB.	1980 MAR.	1980 APR.	1980 MAY	1980 JUNE	1980 JULY	1980 AUG.	1980 SEP.	1980 OCT.	1980 NOV.	1980 DEC.	1981 JAN.	1981 FEB.
METAL MINING			10	.51													
IRON ORE			101,6	.24	96.6	117.4	113.5	96.8	88.8	91.9	79.1	75.0	73.6	94.4	97.7	113.6	119.8
NONFERROUS ORES			102-5,8,9	.27	120.3	135.7	138.0	135.9	135.8	138.8	93.9	74.3	83.8	99.9	124.7	132.8	131.0
COPPER ORE			102	.14	134.4	160.3	167.3	162.9	161.6	170.0	84.4	49.6	68.2	96.2	145.3	162.1	157.9
LEAD AND ZINC ORES			103	.03	89.0	89.8	86.9	87.3	95.4	93.2	92.0	85.8	84.4	92.5	82.6	82.1	83.3
ANTHRACITE			11	.03	43.7	40.1	44.4	51.4	46.3	47.9	55.3	38.9	35.0	39.2	41.3	39.7	38.2
BITUMINOUS COAL			12	.66	150.9	148.0	149.1	153.7	143.1	150.5	149.2	166.2	141.3	139.8	150.0	163.2	170.1
OIL AND GAS EXTRACTION			13	4.40													
CRUDE OIL & NATURAL GAS			131	3.61	97.7	98.9	100.0	100.0	99.0	97.7	97.3	95.5	96.0	95.8	95.8	97.3	97.6
CRUDE OIL, TOTAL				2.94	94.7	95.8	96.1	97.3	96.1	95.5	95.3	93.3	92.9	92.5	92.2	93.4	93.8
ALASKA, CALIF. CRUDE				.31	243.4	243.7	246.4	254.3	252.5	250.1	243.6	237.0	235.6	237.3	235.1	243.8	248.2
TEXAS CRUDE				1.07	86.8	87.7	88.2	87.7	86.9	87.6	87.9	85.6	85.0	85.4	85.2	86.1	86.3
LA. AND OTHER CRUDE				1.57	71.1	72.4	72.2	73.1	71.9	70.8	71.5	70.6	70.5	69.1	69.1	69.0	69.3
NATURAL GAS				.67	111.0	112.4	117.0	112.2	111.6	107.1	106.0	105.1	109.5	110.4	111.9	114.4	
NATURAL GAS LIQUIDS			132	.30		110.1	102.4										
LP PROPANE				.04		95.6	93.3										
LP MATERIALS				.26		112.5	103.9										
OIL AND GAS DRILLING			138	.50	410.2	370.7	382.2	391.9	407.4	407.1	420.7	426.1	428.7	432.8	447.9	450.1	473.0
FOODS			20	8.75													
MEAT PRODUCTS			201	1.17	123.0	121.8	119.9	129.0	133.2	127.9	124.8	116.9	118.8	121.7	117.2	123.3	126.9
BEEF				.40	106.6	102.9	101.2	107.7	110.5	107.3	106.5	105.3	106.3	110.1	106.7	109.8	110.0
PORK				.55	131.8	128.3	127.4	138.8	147.0	141.7	137.2	124.2	126.6	128.6	122.2	129.4	133.1
MISC. MEATS				.22	130.8	139.2	135.1	143.2	139.6	130.4	127.1	119.9	121.8	125.5	123.7	132.2	141.6
DAIRY PRODUCTS			202	1.14	129.5	127.0	127.8	127.3	127.8	127.5	129.0	130.3	131.5	132.7	133.1	133.6	133.0
BUTTER			2021	.04	92.5	86.0	93.5	93.4	94.0	91.9	89.7	98.8	97.9	92.8	100.3	95.1	98.0
CHEESE			2022	.07	272.5	263.7	267.5	252.6	256.4	253.1	261.1	265.7	293.0	303.0	300.2	299.7	304.7
CONCENTRATED MILK			2023	.12	58.9	55.7	56.1	58.7	57.4	56.2	59.8	59.7	59.7	61.5	64.8	64.0	62.3
FROZEN DESSERTS			2024	.13	138.5	134.5	134.2	135.0	136.3	135.6	139.3	144.0	138.4	141.8	140.0	145.9	137.9
CANNED AND FROZEN FOODS			203	1.18	164.8	176.9	171.9	166.8	160.8	161.9	159.6	161.0	158.3	159.1	161.6	168.1	169.1
GRAIN MILL PRODUCTS			204	.95	165.2	167.5	170.2	161.7	164.5	164.9	162.9	163.7	166.5	162.7	165.3	165.6	168.3
FLOUR & CORN MILL.			2041,6	.28	113.8	111.3	112.4	102.1	113.4	112.1	110.4	114.1	117.0	114.2	124.5	118.1	128.6
BAKERY PRODUCTS			205	1.15	123.5	122.4	122.6	121.3	122.2	122.9	123.1	123.9	124.8	124.6	124.6	126.5	126.1
SUGAR			206	.21	128.1	137.5	126.5	112.0	133.3	141.8	132.0	142.3	129.3	127.5	127.8	127.2	127.1
CONFECTIONERY			207	.41	109.8	106.7	110.7	98.2	99.4	105.0	114.1	98.0	110.8	125.0	130.6	114.2	121.1
BEVERAGES			208	1.58	192.8	194.8	197.7	189.1	188.4	188.7	188.3	191.2	196.5	193.2	199.5	199.8	190.5
BEER AND ALE			2082,3	.52	164.5	170.3	177.4	153.0	163.9	164.6	160.5	161.4	170.9	161.2	172.3	158.5	151.8
WINES AND BRANDY			2084	.07		254.4	245.3	263.2	233.8	242.9	240.7	264.3					
LIQUORS			2085	.24	123.3	114.0	118.4	120.0	117.8	114.0	122.1	132.0	134.3	127.8	130.2	143.9	131.4
SOFT DRINKS			2086,7	.74	231.4	233.1	233.6	230.6	224.6	225.3	224.7	225.0	231.1	234.3	239.5	244.9	233.4
MISC. FOOD PREPARATIONS			209	.97	151.6	145.8	150.0	148.7	152.5	153.1	153.5	155.1	155.8	152.6	153.9	152.3	152.7
FATS AND OILS			2091-4,6	.30	149.3	148.2	150.2	145.0	149.6	154.9	155.8	147.5	155.2	148.7	148.5	144.9	141.0
COFFEE, MISC. FOOD			2095,7-9	.67	152.6	144.7	149.8	150.4	153.8	152.3	152.5	158.6	156.1	154.4	156.3	155.6	158.1
TOBACCO PRODUCTS			21	.67													
CIGARETTES			211	.54	122.8	119.3	133.1	124.7	118.8	111.6	124.4	117.7	127.1	127.0	126.3	120.8	130.3
CIGARS			212	.07	56.9	56.5	62.1	59.8	54.6	60.2	57.5	56.7	52.7	50.7	61.3	59.5	61.2
TEXTILE MILL PRODUCTS			22	2.69													
FABRICS			221-4	1.05	102.9	105.5	104.6	104.7	104.7	103.8	105.9	97.3	102.5	103.7	101.4	100.2	94.1
COTTON FABRICS			221,4	.60	73.6	76.7	77.1	77.2	76.1	74.0	74.3	69.9	73.7	73.0	70.8	64.8	67.3
HAN-MADE FABRICS			222	.30													
WOOL FABRICS			223	.14													
KNIT GOODS			225	.63	176.7	180.8	182.8	179.1	177.0	174.9	172.2	177.3	164.0	172.2	178.6	175.2	173.3
HOSIERY			2251,2	.21	194.2	188.2	195.2	201.8	199.7	189.7	204.8	202.1	164.8	188.1	196.8	197.5	
KNIT GARMENTS			2253-9	.42	167.9	177.1	176.4	167.6	165.4	167.3	155.7	164.8	163.6	164.1	169.3	163.8	167.2
FABRIC FINISHING			226	.23	140.5	150.9	146.9	147.5	137.7	133.1	142.5	129.5	140.3	141.4	141.3	136.0	127.9
CARPETING			227	.20	203.2	208.8	223.3	204.7	190.0	194.0	184.7	195.3	198.1	189.3	217.1	212.6	204.8
YARN & MISC. TEXTILES			228,9	.57	130.6	140.1	142.5	132.0	132.0	135.2	124.0	125.2	129.2	123.9	124.0	117.8	118.4
APPAREL PRODUCTS			23	3.33													
MEN'S OUTERWEAR			231,2	1.06	126.9	119.3	136.8	124.9	124.7	133.0	122.6	126.6	132.4	119.9	139.1	123.9	109.7
MEN'S SUITS AND COATS			231	.34	99.7	87.9	91.9	99.2	103.4	107.9	120.9	101.2	99.1	99.9	113.2	98.5	96.1
MEN'S FURNISHINGS			232	.69	142.8	136.9	161.7	139.9	137.5	148.0	125.7	141.5	151.4	131.9	154.8	138.7	118.1
WOMEN'S OUTERWEAR			233	1.05		176.4	182.6	163.2	163.4	165.3	158.8	158.4	164.6	159.3	160.4		
MISC. APP. & ALLIED GDS			234-9	1.20	98.5	104.9	104.6	101.3	96.0	93.5	92.0	94.0	95.6	97.1	98.5	103.0	104.9
LUMBER AND PRODUCTS			24	1.64													
LOGGING AND LUMBER			241,2	.82	99.6	109.9	111.0	85.3	90.1	96.2	94.9	105.8	100.0	96.2	103.3	96.2	101.7
LUMBER			242	.59	92.0	100.9	104.0	72.9	79.7	89.0	85.0	100.9	93.0	90.8	100.0	89.6	94.0
LUMBER PRODUCTS			243,4,9	.82	139.0	151.4	145.2	122.8	117.4	127.1	132.1	135.4	144.0	148.5	145.5	147.0	151.6
MILLWORK AND PLYWOOD			243	.50	149.4	164.8	155.4	120.9	116.5	134.5	145.0	148.3	161.0	164.9	158.8	160.1	167.6
PLYWD, PREFAB PROD			2432,3	.29	173.0	186.0	171.9	123.8	126.0	159.1	179.7	179.7	194.9	198.6	184.5	184.6	197.7
FURNITURE AND FIXTURES			25	1.37													
HOUSEHOLD FURNITURE			251	.87	144.4	157.1	161.3	151.4	145.3	134.6	126.6	130.3	136.8	141.2	141.3	144.8	146.4
FIXTURES, OFF. FURN.			252,4,9	.42	170.3	173.3	175.3	176.3	167.7	169.5	168.5	169.7	168.0	167.3	175.7	169.7	161.4

Table 4B
INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES
 Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1980	1980												1981	
		PRO- TION	PER- AVG.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	
METAL MINING	10	.51															
IRON ORE	101,61	.24	96.6	110.7	110.1	101.5	111.2	117.3	86.6	78.4	73.7	81.9	80.6	96.6	97.5	111.5	
NONFERROUS ORES	102-5,8,9	.27	120.3	139.9	144.3	144.1	141.6	140.3	81.3	71.6	82.9	102.9	125.5	129.5	131.4	144.9	
COPPER ORE	1021	.14	134.4	168.0	176.5	176.4	171.8	172.5	65.8	47.1	66.6	101.1	146.5	155.3	158.5		
LEAD AND ZINC ORES	1031	.03	89.0	96.0	94.0	92.0	94.3	94.5	83.0	83.0	83.1	93.3	81.5	79.8	80.6		
ANTHRACITE	11	.03	43.7	35.3	46.5	49.2	48.2	50.0	48.4	42.9	38.6	42.4	45.1	35.0	33.6	52.1	
BITUMINOUS COAL	12	.66	150.9	141.5	150.6	156.9	155.8	163.6	127.7	161.5	158.1	156.3	155.3	148.0	141.9	164.7	
OIL AND GAS EXTRACTION	13	4.40															
CRUDE OIL & NATURAL GAS	131	3.61	97.7	100.3	100.5	99.4	98.7	97.4	96.9	95.2	95.3	95.7	96.2	97.8	97.3	98.2	
CRUDE OIL, TOTAL		2.94	94.7	96.1	96.2	96.5	96.1	95.3	95.1	93.5	92.9	93.1	92.8	93.4	93.0	93.7	
ALASKA, CALIF. CRUDE		.31	243.4	243.2	245.2	247.2	246.9	243.3	242.6	242.2	239.1	242.8	241.0	244.8	246.0	247.7	
TEXAS CRUDE		1.07	86.8	87.8	88.7	88.0	87.0	87.5	87.6	85.3	84.7	85.7	85.4	86.3	85.4	85.7	
LA. AND OTHER CRUDE		1.57	71.1	73.0	72.3	72.9	72.9	71.7	71.4	70.1	69.9	69.0	69.0	68.7	68.4	69.1	
NATURAL GAS		.67	111.0	118.8	119.1	112.3	110.3	106.6	105.2	102.5	106.2	107.0	111.2	117.0			
NATURAL GAS LIQUIDS	132	.30		108.6	102.6												
LP PROPANE		.04		97.3	95.4												
LP MATERIALS		.26		110.5	103.8												
OIL AND GAS DRILLING	138	.50	410.2	365.5	372.3	376.2	392.7	400.6	415.7	429.1	437.3	444.9	464.0	465.4	479.6	496.0	
FOODS	20	8.75															
MEAT PRODUCTS	201	1.17	123.0	120.1	121.9	128.8	126.1	125.0	112.7	117.0	123.2	130.8	125.5	121.5	125.6	122.9	
BEEF		.40	106.6	106.1	100.6	103.6	104.2	107.3	101.9	108.0	108.9	115.9	108.4	106.2	113.0	111.9	
PORK		.55	131.8	129.2	136.4	145.7	138.8	131.8	113.7	117.0	128.4	137.2	137.4	131.9	133.4	129.5	
MISC. MEATS		.22	130.8	122.4	124.0	132.3	133.9	140.0	129.5	133.3	135.8	141.8	126.9	123.3	128.6	126.0	
DAIRY PRODUCTS	202	1.14	129.5	124.9	128.8	131.1	133.7	137.2	134.2	132.5	129.2	127.0	125.4	127.2	127.3	131.3	
BUTTER	2021	.04	92.5	100.4	100.9	108.0	110.8	95.1	79.3	77.1	75.0	83.6	88.0	94.8	115.5	116.7	
CHEESE	2022	.07	272.5	257.9	276.6	279.4	292.5	298.2	268.8	258.8	266.4	268.9	267.2	283.8	282.2	288.9	
CONCENTRATED MILK	2023	.12	58.9	53.6	57.1	68.8	72.2	76.2	69.3	58.3	50.3	47.0	47.3	55.8	55.3	61.3	
FROZEN DESSERTS	2024	.13	138.5	117.4	135.4	139.0	148.3	174.2	173.3	174.1	148.1	127.6	112.7	107.8	102.9	126.6	
CANNED AND FROZEN FOODS	203	1.18	164.8	164.2	159.2	154.0	152.3	159.1	158.5	172.3	191.7	185.0	166.6	155.3	152.0	158.0	
GRAIN MILL PRODUCTS	204	.95	165.2	166.0	166.0	154.0	157.1	161.5	161.2	170.1	171.4	171.9	169.6	167.3	166.5	165.0	
FLOUR & CORN MILL.	2041,6	.28	113.8	114.1	111.8	102.2	109.8	107.7	106.6	119.0	119.5	121.0	125.0	116.2	124.5	121.1	
BAKERY PRODUCTS	205	1.15	123.5	113.4	114.2	114.4	117.3	126.6	133.6	135.4	137.3	129.8	123.1	121.8	118.2	118.1	
SUGAR	206	.21	128.1	121.5	106.1	97.2	115.8	124.6	103.9	118.6	119.2	162.2	175.3	167.4	187.4	113.3	
CONFECTIONERY	207	.41	109.8	120.7	111.3	86.6	85.4	89.0	79.2	114.6	157.4	146.3	137.9	100.0	92.2	127.2	
BEVERAGES	208	1.58	192.8	173.0	188.2	186.1	192.1	206.5	204.1	209.6	210.5	198.9	189.2	182.1	174.2	178.0	
BEER AND ALE	2082,3	.52	164.5	158.2	174.2	168.5	181.3	192.7	185.1	179.0	167.8	147.8	143.0	131.7	134.3		
WINES AND BRANDY	2084	.07		126.7	260.0	240.0	223.0	240.0	188.0	236.0							
LIQUORS	2085	.24	123.3	103.0	123.1	117.0	113.6	120.7	97.9	125.9	141.6	153.8	146.7	141.9	122.2	115.9	
SOFT DRINKS	2086,7	.74	231.4	201.4	213.0	216.3	222.6	241.1	253.5	256.0	260.5	243.2	229.0	224.1	215.0	213.0	
MISC. FOOD PREPARATIONS	209	.97	151.6	155.7	152.2	150.8	149.2	146.5	141.8	148.4	148.7	152.7	159.0	159.5	159.4	160.0	
FATS AND OILS	2091-4,6	.30	149.3	162.7	160.5	144.1	142.4	145.5	133.4	132.3	140.5	153.1	159.0	158.4	152.7	152.6	
COFFEE, MISC. FOOD	2095,7-9	.67	152.6	152.5	148.5	153.9	152.3	147.0	145.6	155.7	152.4	152.5	159.0	160.0	162.5		
TOBACCO PRODUCTS	21	.67															
CIGARETTES	211	.54	122.8	128.5	130.6	120.8	116.7	124.3	106.6	124.5	130.3	138.0	130.5	96.8	132.4	134.8	
CIGARS	212	.07	56.9	60.7	63.9	58.6	56.2	63.1	43.4	60.0	58.0	61.0	64.9	43.1	57.3	58.3	
TEXTILE MILL PRODUCTS	22	2.69															
FABRICS	221-4	1.05	102.9	110.3	108.9	106.3	109.2	106.4	86.1	97.9	100.8	106.1	103.1	94.6	97.8	101.8	
COTTON FABRICS	221,4	.60	73.6	80.3	81.2	78.8	78.5	75.6	61.6	70.1	72.2	75.6	72.5	60.2	68.9	69.6	
MAN-MADE FABRICS	222	.30															
WOOL FABRICS	223	.14															
KNIT GOODS	225	.63	176.7	174.3	177.8	183.4	179.0	193.0	170.4	192.1	180.0	177.2	175.2	155.1	148.1	161.3	
HOSIERY	2251,2	.21	194.2	192.7	204.4	225.0	197.7	208.7	203.2	204.9	172.2	187.0	190.9	165.1			
KNIT GARMENTS	2253-9	.42	167.9	165.0	164.3	162.3	169.5	185.1	153.8	185.6	183.9	172.3	167.3	150.1	141.1	154.4	
FABRIC FINISHING	226	.23	140.5	154.7	156.2	152.5	145.7	143.2	103.5	132.5	141.2	145.2	140.6	129.7	129.2	140.5	
CARPETING	227	.20	203.2	196.9	219.6	214.7	191.4	198.7	170.5	186.4	216.1	218.0	225.6	205.8	177.9	182.0	
YARN & MISC. TEXTILES	228,9	.57	130.6	143.1	144.0	137.2	137.1	138.3	107.1	130.5	128.2	129.8	123.8	108.1	118.6	122.8	
APPAREL PRODUCTS	23	3.33															
MEN'S OUTERWEAR	231,2	1.06	126.9	133.6	150.7	137.9	131.9	142.3	92.2	121.3	136.9	127.5	129.1	100.4	108.9		
MEN'S SUITS AND COATS	231	.34	99.7	92.2	98.8	109.4	107.4	110.6	80.0	100.0	108.0	110.0	112.3	83.8	98.2		
MEN'S FURNISHINGS	232	.69	142.8	156.7	179.6	154.7	146.5	160.9	99.2	134.0	154.0	138.6	139.9	110.0	115.9		
WOMEN'S OUTERWEAR	233	1.05		191.1	192.9	175.0	162.8	172.3	139.1	163.4	172.4	170.1	154.4				
MISC. APP. & ALLIED GDS	234-9	1.20	98.5	100.4	99.3	96.1	93.4	98.5	93.2	104.6	105.6	100.9	96.9	98.2	95.8		
LUMBER AND PRODUCTS	24	1.64															
LOGGING AND LUMBER	241,2	.82	99.6	109.4	107.7	86.8	89.4	100.2	96.6	110.0	106.6	103.4	99.6	86.5	93.0	93.0	
LUMBER	242	.59	92.0	104.2	105.1	78.6	80.4	90.7	82.6	101.8	98.2	96.7	95.0	77.6	87.9		
LUMBER PRODUCTS	243,4,9	.82	139.0	152.9	149.0	124.0	119.7	129.3	124.6	138.0	144.9	150.9	144.9	140.8	146.4	148.7	
MILLWORK AND PLYWOOD	243	.50	149.4	165.5	160.1	121.7	119.4	137.7	134.5	153.9	163.4	168.9	156.6	150.3	161.4		
PLYWD,PREPAB PROD	2432,3	.29	173.0	191.7	182.9	126.6	131.1	161.7	159.7	186.4	197.0	204.3	180.8	167.9	191.7		
FURNITURE AND FIXTURES	25	1.37															
HOUSEHOLD FURNITURE	251	.87	144.4	165.9	163.1	152.2	141.7	134.9	111.1	133.4	141.6	144.0	142.9	144.4	144.0	156.0	
FIXTURES, OFF. FURN.	252,4,9	.42	170.3	181.3	179.0	175.4	163.8	169.2	156.0	166.0	172.4	171.5	169.0	168.3	160.4	173.5	

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES		SIC CODE	1967 PRO- POR- TION	1980 AVG.	1980												1981	
					FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	
PAPER AND PRODUCTS		261	3.21															
PULP AND PAPER		261-31	1.38	143.6	144.1	144.1	138.5	139.8	141.3	140.1	139.7	148.3	143.8	147.1	150.0	147.8	146.3	
WOOD PULP		2611	.50	137.7	136.7	138.8	134.3	138.1	135.2	136.0	135.1	142.6	136.8	139.7	141.3	140.2	138.6	
PAPER		2621	.54	145.0	146.4	144.2	141.2	139.1	143.9	138.6	140.8	147.9	146.3	149.5	152.2	148.8	148.5	
PAPERBOARD		2631	.34	150.2	151.4	151.8	140.3	143.4	146.0	148.3	144.9	157.2	150.2	154.3	159.4	157.4	154.3	
CONVERTED PAPER PROD.		2641	.93	168.8	168.0	173.4	165.9	162.5	165.9	160.5	163.3	170.8	173.7	173.7	176.4	168.2	170.1	
SANITARY PAPER PROD.		26471	.18	137.7	140.5	143.0	134.9	137.4	134.0	134.2	129.6	137.5	140.6	142.1	137.3	145.0	145.0	
PAPERBOARD CONTAINERS		2651	.84	148.4	151.9	157.0	146.7	133.9	141.9	138.5	143.0	150.4	152.9	149.2	152.6	166.8	155.6	
BUILDING PAPER AND BOARD		2661	.06	88.1	104.9	85.3	72.6	72.2	73.5	84.5	81.7	95.7	94.7	90.2	95.7	97.0	97.1	
PRINTING AND PUBLISHING		271	4.72															
NEWSPAPERS		2711	1.38	108.7	112.8	111.7	106.1	107.0	106.8	108.4	108.8	108.5	106.5	108.1	109.8	108.8	109.8	
PERIOD., BOOKS, CARDS		272, 3, 71	1.38	127.2	125.8	124.2	123.7	123.5	122.1	126.7	126.9	126.1	132.2	134.6	132.7	133.7	134.3	
JOB PRINTING		274-6, 8, 91	1.96	170.5	169.6	170.3	168.4	164.4	163.4	168.7	172.5	170.9	176.1	175.1	178.5	181.2	184.9	
CHEMICALS AND PRODUCTS		281	7.74															
CHEMICALS & SYN. MAT.		281, 21	3.79	222.1	242.2	233.3	228.1	210.1	195.9	192.2	199.9	217.7	227.2	231.2	244.5	247.6	240.7	
BASIC CHEMICALS		2811	2.54	188.0	199.9	194.9	191.4	186.0	179.2	172.1	171.9	181.5	188.6	192.0	200.6	203.4	201.2	
ALKALIES & CHLORINE		2812	.14	121.2	133.0	122.6	122.2	116.1	113.1	106.6	107.7	119.1	119.9	125.0	131.7	123.6	126.3	
GASES, ETC.		2813, 5, 61	.48	184.3	222.2	198.3	181.5	165.4	151.2	143.1	156.9	183.7	195.7	198.6	207.5			
BASIC ORG. CHEM.		2818	1.18	233.0	239.0	240.0	237.6	237.7	230.0	219.1	213.8	220.0	233.9	235.9	247.7	248.7	247.8	
INORG. CHEM. NEC		2819	.75	132.3	137.1	135.6	138.3	131.0	129.7	129.0	127.7	131.4	125.9	131.6	135.5	139.2	136.7	
ACIDS & FERTILIZER MAT.		2821	.55	145.9	150.8	148.6	148.5	138.1	141.4	144.2	142.1	144.7	140.6	147.8	153.3	155.7	150.5	
SULFURIC ACID, ETC.		2821	.41	138.5	140.0	141.5	143.5	131.8	134.1	138.5	133.8	137.1	135.0	142.4	143.7	145.3	139.7	
FERTILIZER MATERIALS		2821	.14	167.3	182.1	169.4	163.1	156.6	162.7	160.7	166.6	166.9	156.9	163.5	181.3	185.9	181.7	
ERDA NUCLEAR MATLS		2821	.15	89.5	96.3	96.3	110.5	111.9	93.6	79.5	79.8	89.1	76.6	78.4	77.5	87.1	94.0	
SYNTHETIC MATERIALS		2821	1.25	291.5	328.4	311.5	303.0	259.4	230.0	233.3	256.9	291.4	306.1	310.9	333.7	337.7	321.3	
PLASTICS MATERIALS		2821	.54	382.6	440.1	426.5	398.3	333.3	293.8	297.7	332.8	376.0	395.8	418.8	437.8			
SYNTHETIC RUBBER		28221	.13	103.1	119.2	121.9	112.5	96.2	84.5	72.7	77.9	93.9	105.2	109.1	117.5			
MAN-MADE FIBERS		2823, 41	.58	250.1	272.6	248.0	258.0	228.1	204.1	210.4	227.5	258.0	268.7	257.0	286.6	272.4	269.0	
CHEMICAL PRODUCTS		283-7, 91	3.95	192.4	194.5	192.8	190.4	188.5	186.4	188.6	194.2	197.2	192.8	192.4	197.2	198.7	198.4	
DRUGS AND MEDICINES		2831	1.34	245.7	247.8	246.1	243.8	241.9	234.4	240.7	245.0	255.0	243.7	246.2	258.5	255.8	255.1	
SOAP AND TOILETRIES		2841	1.29	170.8	174.8	171.9	168.6	165.4	166.9	168.0	174.7	170.8	173.0	169.8	171.6	172.2	175.1	
PAINTS		2851	.43	130.6	129.4	131.2	126.4	128.0	127.2	125.8	137.2	142.9	137.4	127.3	120.8	128.3	125.9	
AGRICULTURAL CHEMICALS		2871	.33	230.5	223.3	218.8	219.8	223.3	231.6	238.4	240.2	240.8	230.0	234.7	238.2	248.6	240.4	
PETROLEUM PRODUCTS		291	1.79															
PETROLEUM REFINING		291, 91	1.64	135.1	143.7	139.0	136.9	135.2	133.0	131.2	127.5	130.8	130.5	131.8	138.3	139.7	136.7	
AUTOMOTIVE GASOLINE		2911	.84	131.5	144.1	137.1	131.5	127.9	127.9	126.3	125.0	128.4	127.3	127.8	132.6	132.9	131.8	
DISTILLATE FUEL OIL		2912	.29	124.1	121.5	119.4	125.9	127.0	126.6	127.2	115.3	123.6	117.2	123.1	132.2	131.6	126.1	
RESIDUAL FUEL OIL		2913	.05	207.8	211.3	203.0	216.7	215.5	212.8	204.4	188.6	197.7	209.6	211.4	216.1	191.1	197.7	
AVIATION FUEL & KEROS.		2914	.17	100.5	103.0	104.8	109.0	107.4	99.1	96.8	93.3	97.0	98.1	94.1	100.1	99.6	92.7	
MISC. PETROLEUM PROD.		2919	.28		178.4	175.0												
REFINERY FUEL NEC		2911	.06		145.5	144.2												
REFINERY NONFUEL MAT.		2912	.14		213.9	212.2												
REFINERY PRODUCTS NEC		2913	.08		138.1	129.9												
RUBBER & PLASTICS PROD.		301	2.24															
TIRES		3011	.60	123.1	127.4	132.8	117.6	109.3	104.8	122.7	120.5	127.5	133.0	126.9	120.1	115.3	110.0	
RUB. PROD. EX. TIRES		302, 3, 61	.66	139.1	145.9	143.6	141.6	133.0	129.1	130.9	131.1	136.9	142.8	143.6	144.4	143.0	144.0	
PLASTICS PRODUCTS NEC		3071	.98	416.4	434.1	431.7	433.0	409.2	395.4	399.2	392.5	406.8	416.6	414.2	427.4	435.4	421.4	
LEATHER AND PRODUCTS		311	.86															
PERS. LEATHER GDS.		313, 5-7, 91	.22	86.1	93.4	91.7	90.6	84.4	80.1	78.4	81.8	81.6	83.2	84.3	87.4	90.9	87.2	
SHOES		3141	.53	65.6	65.4	67.0	63.2	68.2	65.6	64.6	63.8	63.8	66.3	68.5	61.3	64.3	62.1	
CLAY, GLASS, & ST. PROD.		321	2.74															
PRESSED AND BLOWN GLASS		3221	.49	159.8	172.9	162.5	161.6	154.8	152.2	157.7	153.3	160.3	157.5	159.6	158.4	162.6	163.1	
GLASS CONTAINERS		3221	.28	143.5	154.2	145.5	145.3	137.7	137.4	143.3	139.7	147.8	142.5	142.1	136.1	144.0	141.3	
CEMENT		3241	.27	107.3	108.6	100.4	102.5	100.4	103.5	103.1	101.9	109.2	109.4	113.0	126.5	122.6		
STRUCTURAL CLAY PRODUCTS		3251	.20	101.3	118.4	114.1	105.8	96.7	93.7	94.3	89.5	96.4	98.8	95.3	96.7	100.7	100.0	
BRICK		3251	.08	93.8	117.7	101.1	99.7	87.0	84.4	91.5	82.7	92.4	95.8	82.6	79.5	89.5	85.8	
CONCRETE, MISC. CLAY MFR.		326-91	1.51	149.5	165.3	163.6	153.2	145.1	137.1	135.1	138.6	141.4	146.7	148.8	154.2	157.8	156.5	
PRIMARY METALS		331	6.57															
IRON AND STEEL		331, 21	4.21															
BASIC STEEL & MILL PRD		3311	3.34	94.1	106.8	116.0	99.6	85.1	76.1	66.7	73.9	79.9	94.4	114.6	110.4	110.0	111.5	
BASIC IRON AND STEEL		3311	1.34	86.1	100.1	98.7	93.9	79.7	68.0	63.9	67.0	75.5	87.9	99.4	100.9	100.3	100.2	
PIG IRON		3311	.46	78.2	91.1	92.9	86.4	73.3	59.6	55.4	59.1	65.4	78.2	91.5	95.6	95.5	90.6	
RAW STEEL		3311	.72	94.3	109.3	106.0	101.6	84.5	73.8	70.1	72.8	84.7	99.5	110.9	111.8	109.5	112.1	
COKE AND PRODUCTS		3311	.16	71.7	84.5	81.7	81.0	75.8	66.0	60.4	63.3	62.9	63.4	70.2	67.3	72.2	73.4	
STEEL MILL PRODUCTS		3311	2.01	99.3	111.2	127.5	103.4	88.7	81.5	68.5	78.5	82.9	98.8	124.7	116.8	116.5	119.1	
CONSUMER DUR. STEEL		3311	.31	71.2	76.8	94.3	73.3	50.9	52.8	41.3	57.1	61.2	77.9	97.3	92.0	89.1	84.1	
EQUIPMENT STEEL		3311	.51	112.9	127.4	143.1	122.8	112.5	104.4	80.3	87.3	90.3	100.9	129.4	119.0	124.7	129.4	
CONSTRUCTION STEEL		3311	.41	67.4	79.3	87.1	68.8	59.1	51.1	44.8	53.1	59.4	69.0	83.0	80.1	88.9	85.2	
CAN & CLOSURE STEEL		3311	.13	69.4	73.4	107.0	71.7	69.0	53.3	48.8	59.3	58.4	64.6	83.5	75.9	62.9	78.1	
MISC. STEEL		3311	.65	128.3	142.9	160.6	130.7	110.6	102.2	91.1	101.7	107.2	132.7	168.8	158.4	151.8	157.5	
IRON & STEEL FOUNDRIES		3321	.87	82.8	89.1	94.0	85.1	74.5	70.0	66.4	78.6							

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967 PBO- POR- TION	1980 AVG.	1981											
				FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN. FEB.
PAPER AND PRODUCTS	261	3.21													
PULP AND PAPER	261-31	1.38	143.6	149.6	150.3	145.2	144.7	147.3	129.5	141.5	141.4	146.9	147.1	132.7	146.6 151.9
WOOD PULP	2611	.50	137.7	140.0	144.3	140.7	142.7	142.4	127.6	137.0	135.0	139.5	140.3	124.3	139.8 142.0
PAPER	2621	.54	145.0	154.1	150.0	148.1	144.3	147.4	126.8	141.1	141.0	149.1	148.6	138.0	149.2 156.3
PAPERBOARD	2631	.34	150.2	156.5	159.7	147.4	148.4	154.3	136.6	148.7	151.4	154.2	154.8	136.8	152.7 159.5
CONVERTED PAPER PROD.	2641	.93	168.8	175.4	180.1	172.1	168.3	170.7	147.0	161.9	164.9	175.9	173.4	162.9	169.0 177.5
SANITARY PAPER PROD.	2647	.18	137.7	143.6	145.4	141.8	137.0	135.3	125.6	130.0	131.7	146.1	142.7	130.0	147.0 148.2
PAPERBOARD CONTAINERS	2651	.84	148.4	156.7	161.0	151.5	137.7	146.4	130.1	145.1	154.6	163.7	147.6	136.1	152.2 160.5
BUILDING PAPER AND BOARD	2661	.06	88.1	108.2	90.1	77.3	76.0	76.7	78.9	86.8	93.2	98.2	89.8	82.7	85.8 100.2
PRINTING AND PUBLISHING	271	4.72													
NEWSPAPERS	2711	1.38	108.7	109.2	112.1	110.6	111.6	107.5	98.1	101.9	108.3	113.2	118.3	112.3	99.8 106.4
PERIOD., BOOKS, CARDS	272, 3, 71	1.38	127.2	118.4	117.7	118.0	118.7	125.9	136.0	142.0	140.0	136.2	131.8	124.6	122.1 126.4
JOB PRINTING	274-6, 8, 91	1.96	170.5	154.0	155.0	155.1	158.5	172.5	187.9	198.0	195.0	184.7	170.9	164.6	161.1 167.9
CHEMICALS AND PRODUCTS	281	7.74													
CHEMICALS & SYN. MAT.	281, 21	3.79	222.1	240.5	238.6	235.4	213.0	200.3	186.9	198.0	219.9	227.4	231.7	239.3	235.8 238.9
BASIC CHEMICALS	2811	2.54	188.0	194.4	196.0	195.9	186.8	180.3	169.3	171.9	183.4	190.7	193.5	201.3	195.6 195.6
ALKALIES & CHLORINE	2812	.14	121.2	135.4	123.2	127.0	117.7	114.8	105.3	105.9	119.0	121.5	125.9	129.9	114.7 128.6
GASES, ETC.	2813, 5, 61	.48	184.3	218.1	204.5	194.0	171.0	158.0	141.5	153.5	181.9	190.3	195.1	206.8	171.0 179.3
BASIC ORG. CHEM.	2818	1.18	233.0	229.7	237.4	237.1	235.8	230.5	219.3	217.0	225.5	238.8	239.2	247.2	243.7 238.1
INORG. CHEM. NEC	2819	.75	132.3	135.2	139.5	145.4	133.1	128.1	120.5	125.2	130.6	128.5	133.6	139.2	131.8 134.9
ACIDS & FERTILIZER MAT.	2821	.55	145.9	152.6	153.6	158.0	139.6	141.0	134.0	140.0	143.9	141.4	149.2	155.9	145.7 152.2
SULFURIC ACID, ETC.	2821	.41	138.5	143.2	145.0	150.7	130.7	134.2	128.5	132.6	137.9	135.9	143.7	146.4	137.0 142.9
FERTILIZER MATERIALS	2821	.14	167.3	179.7	178.5	179.2	165.4	160.7	150.1	161.4	161.4	157.5	165.1	183.3	171.0 179.3
ERDA NUCLEAR MATLS	2821	.15	89.5	80.5	98.0	111.4	117.0	87.3	74.7	75.7	87.2	86.0	83.0	86.6	86.8 78.6
SYNTHETIC MATERIALS	2821	1.25	291.5	334.2	325.3	315.7	266.2	240.9	222.7	251.2	294.1	302.1	309.4	316.7	317.9 327.1
PLASTICS MATERIALS	2821	.54	382.6	440.4	447.6	420.1	345.9	309.6	286.8	327.3	382.0	397.9	411.7	407.6	371.9 371.9
SYNTHETIC RUBBER	2822	.13	103.1	126.1	125.3	120.5	96.7	81.2	66.8	74.9	93.8	105.8	110.0	117.4	117.4 117.4
MAN-MADE FIBERS	2823, 41	.58	250.1	283.3	257.5	263.5	231.1	213.6	199.0	220.9	258.3	258.2	260.1	278.0	266.0 279.6
CHEMICAL PRODUCTS	283-7, 91	3.95	192.4	185.0	187.1	187.1	188.0	196.1	197.0	202.2	208.2	199.0	191.7	185.7	185.5 188.7
DRUGS AND MEDICINES	2831	1.34	245.7	229.2	229.9	234.3	237.1	252.9	260.7	261.4	278.2	255.2	245.7	238.9	233.0 236.0
SOAP AND TOILETRIES	2841	1.29	170.8	169.0	168.8	163.0	161.6	168.2	173.2	180.5	181.6	181.0	171.2	165.6	163.4 169.3
PAINTS	2851	.43	130.6	126.9	137.8	138.2	144.5	151.4	131.8	144.7	139.6	132.0	115.7	93.3	108.5 123.8
AGRICULTURAL CHEMICALS	2871	.33	230.5	218.4	225.1	229.0	230.2	231.6	231.5	235.4	234.8	230.2	234.0	239.6	245.9 235.1
PETROLEUM PRODUCTS	291	1.79													
PETROLEUM REFINING	291, 91	1.64	135.1	140.7	134.6	132.2	133.0	135.0	134.3	131.4	132.6	129.4	133.2	140.8	137.5 133.8
AUTOMOTIVE GASOLINE	2911	.84	131.5	138.8	132.0	127.0	126.9	132.0	131.2	129.9	129.9	124.0	128.6	136.3	131.0 126.9
DISTILLATE FUEL OIL	2911	.29	124.1	126.0	116.3	117.2	120.3	124.6	125.5	116.0	122.7	119.1	127.3	137.2	137.9 130.8
RESIDUAL FUEL OIL	2911	.05	207.8	234.1	209.1	210.0	206.0	200.0	192.5	178.4	189.2	193.9	210.3	206.0	217.3 219.0
AVIATION FUEL & KEROS.	2911	.17	100.5	106.0	105.4	106.9	103.0	97.2	95.5	94.5	101.0	98.3	94.2	101.1	98.0 95.4
MISC. PETROLEUM PROD.	2911	.28	166.7	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4 166.4
REFINERY FUEL NEC	2911	.06	142.2	140.2	140.2	140.2	140.2	140.2	140.2	140.2	140.2	140.2	140.2	140.2	140.2 140.2
REFINERY NONFUEL MAT.	2911	.14	216.5	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2 213.2
REFINERY PRODUCTS NEC	2911	.08	94.6	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9	100.9 100.9
RUBBER & PLASTICS PROD.	301	2.24													
TIRES	3011	.60	123.1	151.8	148.4	126.4	101.9	100.1	84.6	107.0	125.9	141.7	129.0	120.0	125.7 130.0
RUB. PROD. EX. TIRES	302, 3, 61	.66	139.1	148.0	144.8	124.4	131.6	130.9	122.4	130.3	139.3	145.1	146.2	145.9	139.1 146.1
PLASTICS PRODUCTS NEC	3071	.98	416.4	442.9	441.1	439.0	414.3	405.2	377.0	394.7	415.1	422.7	424.5	412.3	402.4 430.5
LEATHER AND PRODUCTS	311	.86													
PERS. LEATHER GDS.	313, 5-7, 91	.22	86.1	91.8	92.0	88.0	84.7	83.5	73.8	83.5	82.9	86.5	88.2	87.3	84.7 85.7
SHOES	3141	.53	65.6	69.8	71.4	66.3	68.9	68.7	52.9	65.2	65.9	70.0	65.9	55.4	61.8 66.2
CLAY, GLASS, & ST. PROD.	321	2.74													
PRESSED AND BLOWN GLASS	3221	.49	159.8	170.4	165.7	163.7	157.7	159.5	156.8	161.2	159.8	166.5	157.3	140.6	152.8 160.6
GLASS CONTAINERS	3221	.28	143.5	158.1	150.2	147.5	139.9	147.0	143.6	150.5	143.8	153.2	136.1	108.6	137.7 144.8
CEMENT	3241	.27	107.3	73.8	85.0	105.7	113.9	131.3	122.4	129.6	129.6	133.1	108.7	86.6	64.8 93.4
STRUCTURAL CLAY PRODUCTS	3251	.20	101.3	109.6	109.9	106.1	98.5	98.4	94.1	93.6	99.2	101.5	98.0	95.2	98.0 93.4
BRICK	3251	.08	93.8	98.8	96.8	101.3	92.3	94.0	94.7	93.4	98.8	100.8	85.2	72.3	70.3 72.0
CONCRETE, MISC. CLAY MFR.	326-91	1.51	149.5	158.5	159.3	153.9	145.5	140.4	134.5	140.4	144.4	151.4	153.8	152.8	149.4 150.0
PRIMARY METALS	331	6.57													
IRON AND STEEL	331, 21	4.21													
BASIC STEEL & MILL PRD	3311	3.38	94.1	107.3	119.0	109.2	94.0	81.6	66.8	71.7	76.9	91.7	105.1	101.2	103.6 112.0
BASIC IRON AND STEEL	3311	1.34	86.1	100.7	103.8	100.8	85.2	72.6	63.1	65.7	74.0	85.1	93.6	92.2	95.7 100.8
PIG IRON	3311	.46	78.2	91.3	95.5	92.7	79.3	64.7	56.7	58.6	63.8	75.5	85.1	87.2	88.7 90.8
RAW STEEL	3311	.72	94.3	110.7	114.0	109.8	90.7	78.2	67.5	71.1	83.0	96.0	104.0	100.8	106.0 113.6
COKE AND PRODUCTS	3311	.16	71.7	82.0	81.1	82.9	77.3	69.5	61.5	61.8	62.1	63.3	71.0	67.2	68.9 71.2
STEEL MILL PRODUCTS	3311	2.01	99.3	111.7	129.2	114.9	99.9	87.6	69.2	75.7	78.9	96.0	112.8	107.2	108.8 119.5
CONSUMER DUR. STEEL	3311	.31	71.2	83.0	95.4	80.9	58.9	54.2	40.1	52.9	59.2	77.6	91.5	76.1	88.8 90.9
EQUIPMENT STEEL	3311	.51	112.9	130.6	148.7	136.6	125.4	107.6	77.5	83.0	99.8	118.8	112.1	119.5	132.6 132.6
CONSTRUCTION STEEL	3311	.41	67.4	74.6	84.0	78.0	66.7	58.7	49.9	53.7	57.8	67.3	73.8	73.3	71.5 80.1
CAN & CLOSURE STEEL	3311	.13	69.4	79.0	108.6	70.2	72.2	58.4	53.6	58.1	53.0	58.1	66.1	69.3	75.0 84.1
MISC. STEEL	3311	.65	128.3	140.6	162.7	146.5	125.9	112.0	92.1	98.4	101.0	127.8	152.3	147.3	140.4 155.0
IRON & STEEL FOUNDRIES	332	.87	82.8	93.4	101.0	91.3	79.7	76.7	59.0	73.2	79.9	88.8	87.1	75.2	93.8 99.8

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

MISC. MANUFACTURES

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1980															1981	
		PRO- FAC- TION	AVG.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.			
NONFERROUS METALS 333-6,9		2.36	119.2	132.0	137.3	130.8	123.9	123.3	94.9	100.5	106.2	113.0	119.2	119.5	122.0	129.2			
PRIMARY NONF. METALS 3331		.45	131.3	139.6	140.8	142.2	139.0	139.3	115.0	111.8	116.6	123.3	132.0	135.8	138.3	139.2			
COPPER 33311		.09	113.4	154.0	156.2	170.0	153.5	155.5	46.6	27.7	37.6	66.7	109.4	125.6	126.4	124.8			
ALUMINUM 33341		.27	156.5	156.5	156.4	156.7	157.8	158.0	153.6	153.5	155.9	157.3	159.1	158.1	160.2	161.2			
SECONDARY NONF. METALS 334		.09	146.4	159.9	162.2	154.3	133.9	146.6	114.1	137.0	149.4	143.8	156.4	140.9	130.2				
NONFERROUS PRODUCTS 335,6		1.45	120.2	135.1	143.3	133.6	126.3	124.3	91.0	99.0	104.8	113.6	119.0	119.0	123.2	132.5			
NONFERROUS HILL PROD 3351		1.09	133.2	146.9	157.0	149.2	142.5	142.2	103.0	108.8	114.8	123.1	129.6	133.7	135.7	145.6			
COPPER HILL PROD		.48	101.7	118.2	135.0	123.7	127.3	134.6	54.9	56.5	61.7	75.4	101.2	109.3	110.3	118.0			
ALUMINUM HILL PROD		.61	157.8	169.5	174.3	169.2	154.5	148.1	140.8	149.8	156.5	160.6	151.8	152.8	155.7	167.2			
CONSTRUCTION		.13	174.8	192.5	195.6	190.1	161.5	161.7	146.4	158.9	173.6	185.9	181.6	164.8	163.7	174.0			
NONCONSTRUCTION		.48	153.2	163.2	168.5	163.5	152.6	144.4	139.3	147.3	151.8	153.7	143.7	149.6	153.5	165.4			
NONFERROUS FOUNDRIES 3361		.35	79.9	98.3	100.7	85.1	75.7	68.7	53.4	68.5	73.7	83.7	86.3	73.2	84.2	91.5			
FABRICATED METAL PRODUCTS 341		5.93																	
METAL CANS 3411		.38	128.0	135.0	133.0	131.3	127.1	123.7	127.1	128.8	127.5	126.7	122.8	121.5	121.3	127.5			
HDWE, PLUMB, STRUCT, MET 342-4		2.67	144.1	157.1	156.7	149.1	141.9	136.5	128.1	134.0	141.3	143.4	144.4	145.1	142.0	149.2			
HARDWARE, TOOLS, CUTL 3421		.76	123.8	133.8	135.1	128.7	119.4	114.6	107.1	112.9	124.9	125.3	128.1	128.3	123.1	129.6			
STRUCTURAL METAL PROD 3441		1.62	156.7	169.7	168.6	161.5	155.9	150.5	141.5	147.6	152.5	155.3	155.8	156.3	154.7	161.9			
OTHER FAB. MET. PROD. 345-91		2.89	127.6	141.3	140.4	135.2	125.6	120.3	111.4	115.8	123.4	128.3	128.7	129.5	127.3	134.0			
FASTENERS, STAMP, ETC 345-81		2.03	114.5	127.7	127.3	121.8	111.8	106.7	98.5	104.4	110.3	115.4	116.3	116.4	113.6	119.8			
NONELECTRICAL MACHINERY 351		9.15																	
ENGINE AND FARM EQUIP. 351-21		1.20	154.0	167.3	167.6	156.4	156.2	154.8	140.4	133.4	150.9	150.2	149.3	153.8	153.9	154.7			
FARM TRACTORS		.19	79.5	101.7	113.6	85.9	85.5	89.7	59.9	39.4	69.5	81.6	60.2	60.9	70.2	79.4			
CONSTRUCTION & ALLIED EQ 3531		1.36	151.9	162.4	159.3	158.4	152.5	155.1	145.3	143.1	151.5	146.7	147.7	151.2	146.8	155.3			
TRACKLAYING TRACTORS		.16	91.1	108.9	115.4	112.4	109.9	108.5	80.0	72.3	96.0	71.9	63.6	63.1	74.9	87.7			
METALWORKING MACHINERY 3541		1.67	126.8	133.6	132.1	129.9	126.5	126.1	122.0	124.2	127.0	123.6	124.4	125.9	125.6	131.0			
SPEC. & GENL LND EQ 355,61		2.30	126.0	133.6	131.4	127.3	124.1	124.4	120.8	122.0	125.2	122.7	122.7	127.2	125.6	130.2			
OFFICE, SERV. & MISC. 357-91		2.63	228.9	222.8	222.0	217.9	217.4	225.3	231.3	236.7	242.6	243.4	238.9	233.6	230.5	239.1			
ELECTRICAL MACHINERY 361		8.05																	
MAJOR ELECT. EQ. & PTS. 361-21		1.74	142.6	150.6	149.7	144.1	141.7	141.1	135.6	138.7	141.2	142.7	139.5	137.6	139.5	142.0			
HOUSEHOLD APPLIANCES 3631		.83	136.1	157.2	157.8	148.2	118.8	124.0	101.4	124.3	138.1	154.7	135.5	120.5	141.7	152.1			
COOKING STOVES 36311		.08	120.6	144.3	153.3	147.6	115.2	111.9	84.0	105.5	108.5	129.7	104.8	106.0	129.9	154.8			
REFRIGERATION APPL. 36321		.26	112.2	132.4	146.1	137.2	93.4	104.7	89.1	78.6	103.8	130.0	102.5	92.5	124.6	129.0			
LAUNDRY APPLIANCES 36331		.13	125.5	151.9	145.6	133.7	84.4	101.4	78.8	124.9	142.0	160.9	123.1	108.9	132.6	139.4			
MISC. APPLIANCES 3634-6,9		.36	161.2	180.3	172.0	161.9	151.3	149.6	122.9	162.1	168.7	176.4	171.6	148.7	160.5	173.3			
TV AND RADIO SETS 3651		.52	92.0	87.5	88.3	83.5	90.9	94.5	77.8	84.3	103.3	109.8	114.6	91.8	101.2	101.6			
COMMUNICATION EQUIPMENT 3661		2.30	155.0	156.5	156.7	154.5	153.5	154.5	150.5	152.5	153.1	153.5	157.5	161.3	157.8	157.6			
ELECTRONIC COMPONENTS 3671		1.43	304.6	318.0	314.3	317.1	310.6	304.4	286.4	291.5	291.7	296.5	300.6	305.6	301.4	299.1			
TV TUBES 3671-31		.31	41.8	42.7	35.0	46.5	44.6	33.6	37.9	40.4	39.2	57.1	45.7	33.0	39.8				
MISC. ELECTRICAL SUPP. 3691		.49	167.3	163.1	166.5	156.3	147.5	147.3	141.3	164.7	179.3	186.8	193.6	194.1	182.1	170.0			
STORAGE BATTERY, REPL. 36911		.09	205.4	163.5	162.6	146.5	134.6	155.8	164.7	233.9	281.3	293.3	289.9	259.9	237.7	192.7			
TRANSPORTATION EQUIPMENT 371		9.27																	
MOTOR VEHICLES AND PARTS 3711		4.50																	
AUTOS, TOTAL		1.90	103.4	125.1	128.4	110.0	99.3	106.9	76.3	61.6	103.4	124.4	119.3	88.6	90.0	102.9			
LARGE AUTOS		1.79	53.0	68.7	65.9	52.8	42.5	52.2	37.5	23.1	57.6	66.2	62.9	53.4	54.4	55.1			
SMALL AUTOS		.11	932.1	1052.8	1155.6	1050.8	1033.6	1006.6	714.7	694.1	856.9	1081.6	1047.3	667.9	675.1	888.8			
TRUCKS AND BUSES		.53	117.8	164.4	138.4	111.0	99.3	100.1	79.5	79.1	113.2	145.9	137.1	113.9	124.5	126.5			
BUSINESS VEHICLES		.40	89.4	135.4	103.5	83.2	78.9	90.5	66.6	66.9	81.7	101.2	94.0	79.4	89.1				
UTILITY VEHICLES		.13	202.8	251.2	242.7	194.1	160.2	129.0	118.2	115.6	207.6	279.8	266.2	217.0	230.5				
TRUCK TRAILERS		.09	156.5	183.2	202.0	177.6	158.2	153.7	102.0	130.2	144.8	153.6	155.1	144.9	139.7	148.8			
MOTOR VEHICLE PARTS		1.98	132.1	143.1	142.9	133.1	124.8	121.8	114.0	114.3	126.4	133.9	139.8	146.2	139.8	136.0			
AIRCRAFT AND PARTS 3721		3.73	106.1	107.2	107.7	105.0	106.0	105.3	101.7	101.9	105.0	105.7	109.2	111.5	108.3	106.7			
SHIPS AND BOATS 3731		.56	144.2	152.3	150.6	147.1	142.5	140.0	137.3	132.3	138.6	145.6	147.5	149.3	148.6	147.6			
RAIL & MISC TRANS EQ 374,5,91		.49	148.4	156.7	174.3	169.4	147.1	157.5	144.8	146.9	143.7	140.8	129.6	119.7	108.2	108.9			
RAILROAD EQUIPMENT 3741		.26	156.2	162.3	195.0	196.7	168.6	180.8	164.7	140.7	130.8	125.4	118.8	119.3	103.2				
MOBILE HOMES 3791		.18	99.7	105.5	107.6	97.3	82.8	86.4	87.1	112.6	115.4	121.7	105.5	82.4	85.4				
INSTRUMENTS 381		2.11																	
EQUIPMENT INSTR. & PTS. 381-41		1.07	185.8	187.1	185.0	184.9	184.6	186.4	181.5	184.7	190.3	187.9	187.5	187.0	182.3	184.4			
CONSUMER INSTR. PROD. 385-71		1.04	155.9	156.9	157.7	156.7	155.7	158.3	151.7	154.3	152.1	155.6	157.2	156.8	154.2	152.1			
MISC. MANUFACTURES 391		1.51																	
MISC. CONS. GOODS 391,3,4,61		.86	151.3	154.6	153.4	150.8	150.7	151.6	142.9	157.0	159.0	154.4	152.1	146.9	142.5	157.0			
MISC. BUS. SUPPLIES 395,91		.65	143.9	145.8	148.1	144.3	137.6	142.0	139.1	144.0	146.0	146.7	144.7	143.8	141.8	143.7			
ELECTRIC UTILITIES 3981		3.88																	
ELEC UTIL GENERATION		1.90	184.4	191.1	182.7	164.3	164.9	191.9	202.5	209.7	186.4	167.5	180.8	183.2	192.4				
FOSSIL FUEL GENERATION		1.54	174.1	184.0	171.1	148.2	147.8	178.2	196.4	203.9	178.5	156.7	171.9	173.7	183.5				
HYDRO & NUCLEAR GENERAT.		.36	228.7	221.6	232.5	243.4	238.4	250.6	228.7	234.8	220.4	213.8	219.1	224.1	230.7				
ELEC UTIL SALES		1.98	194.8	198.4	194.0	176.5	168.0	181.9	213.3	226.7	216.0	186.6	177.2	195.5					
RESIDENTIAL KWH		.83	211.0	227.4	213.3	182.5	163.4	184.3	241.9	264.1	239.7	190.4	178.2	214.3					
NONRESIDENTIAL KWH		1.15	183.1	177.6	180.1	172.2	171.1	180.1	192.7	199.8									

Table 5
INDUSTRIAL PRODUCTION: INDEXES; 1967=100
Quarterly averages, seasonally adjusted

SUMMARY GROUPINGS	1979	1980				1981
	IV	I	II	III	IV	I
TOTAL INDEX	152.5	152.5	144.6	142.1	149.1	151.5
PRODUCTS, TOTAL	149.9	150.0	144.3	144.0	148.6	150.0
FINAL PRODUCTS	147.2	147.5	143.6	143.0	147.2	148.3
CONSUMER GOODS	149.2	148.3	143.3	143.0	147.4	147.3
DURABLE CONSUMER GOODS	149.8	143.6	131.1	129.9	141.3	139.3
AUTOMOTIVE PRODUCTS	150.5	138.1	122.1	127.1	142.1	131.7
HOME GOODS	149.4	146.7	136.2	131.4	140.8	143.6
NONDURABLE CONSUMER GOODS	149.0	150.1	148.0	148.2	149.9	150.5
CLOTHING	131.3	130.9	127.8	122.7	125.4	
CONSUMER STAPLES	153.9	155.5	153.7	155.2	156.7	157.9
CONSUMER ENERGY	151.6	151.7	151.3	153.8	151.5	
(HOME GOODS AND CLOTHING)	141.1	139.5	132.3	127.4	133.7	134.4
EQUIPMENT	144.3	146.3	144.1	143.0	146.9	149.6
BUSINESS EQUIPMENT	173.0	175.7	172.0	170.3	174.9	178.7
INDUSTRIAL EQUIPMENT	152.8	158.6	157.4	154.5	157.4	165.5
COMMERCIAL, TRANSIT, FARM EQ.	196.3	195.4	188.8	188.5	195.0	193.8
DEFENSE AND SPACE EQUIPMENT	96.2	97.1	97.2	97.2	99.7	100.8
INTERMEDIATE PRODUCTS	160.1	159.4	146.8	147.6	154.0	156.7
CONSTRUCTION SUPPLIES	157.0	154.2	133.6	133.0	142.6	145.6
BUSINESS SUPPLIES	163.3	164.6	159.9	162.0	165.3	
COMMERCIAL ENERGY PRODUCTS	173.0	172.7	171.8	173.7	176.0	
MATERIALS	156.5	156.3	145.1	139.2	149.8	153.7
DURABLE GOODS MATERIALS	156.3	155.0	140.6	131.5	145.1	150.0
BASIC METAL MATERIALS	119.8	117.3	101.7	88.6	110.5	117.0
NONDURABLE GOODS MATERIALS	179.2	179.3	166.0	161.9	175.5	179.4
TEXTILE, PAPER AND CHEMICAL MAT	187.9	187.5	171.9	165.6	182.7	186.9
TEXTILE MATERIALS	123.8	120.6	116.4	113.4	113.2	110.9
PAPER MATERIALS	148.9	146.1	142.1	142.9	148.9	149.4
CHEMICAL MATERIALS	231.8	233.6	208.3	197.9	226.9	235.4
ENERGY MATERIALS	129.0	130.8	130.0	129.6	129.5	130.7
MANUFACTURING	153.4	152.8	143.9	141.0	148.7	150.8
DURABLE	145.3	144.1	133.9	129.8	138.6	140.9
NONDURABLE	165.0	165.5	158.3	157.3	163.4	165.2
MINING AND UTILITIES	147.1	149.5	149.9	150.4	152.3	155.8
MINING	129.7	133.1	133.1	130.2	135.8	142.8
UTILITIES	166.6	168.0	168.7	172.8	170.7	170.2

Table 6
**INDUSTRIAL PRODUCTION:
GROSS VALUE OF PRODUCTS**
Billions of 1972 dollars at annual rates,
seasonally adjusted

	1979	1980				1981
	IV	I	II	III	IV	I
PRODUCTS, TOTAL	620.7	618.2	591.0	588.7	610.4	613.7
FINAL PRODUCTS	476.8	474.5	459.1	456.0	472.1	472.6
CONSUMER GOODS	323.3	319.6	308.2	307.3	319.0	317.6
DURABLE CONSUMER GOODS	88.6	84.2	75.8	75.9	83.1	80.7
AUTOMOTIVE PRODUCTS	41.5	38.0	33.0	34.6	38.8	35.6
HOME GOODS	47.1	46.2	42.8	41.3	44.3	45.2
NONDURABLE CONSUMER GOODS	234.7	235.4	232.5	231.4	235.8	236.8
CLOTHING	33.9	33.3	32.4	31.4	32.3	
CONSUMER STAPLES	200.8	202.1	200.0	200.0	203.6	205.4
CONSUMER ENERGY	44.0	44.1	43.3	43.7	43.4	
(HOME GOODS AND CLOTHING)	81.0	79.5	75.2	72.7	76.6	76.7
EQUIPMENT	153.5	154.9	150.9	148.7	153.1	155.0
BUSINESS EQUIPMENT	113.1	114.0	110.1	107.9	111.1	113.0
INDUSTRIAL EQUIPMENT	48.6	50.9	50.4	49.4	50.2	53.1
COMMERCIAL, TRANSIT, FARM EQ.	64.5	63.1	59.7	58.5	61.0	59.9
DEFENSE AND SPACE EQUIPMENT	40.5	40.9	40.9	40.8	42.0	42.0
INTERMEDIATE PRODUCTS	143.9	143.7	131.9	132.7	138.3	141.1
CONSTRUCTION SUPPLIES	67.0	66.2	56.5	56.9	60.8	62.4
BUSINESS SUPPLIES	76.9	77.6	75.3	75.8	77.5	
COMMERCIAL ENERGY PRODUCTS	19.2	19.1	18.9	19.0	19.2	

Table 7
INDUSTRIAL PRODUCTION: GROSS VALUE OF PRODUCTS
Billions of 1972 dollars at annual rates, seasonally adjusted

MAJOR MARKET GROUPINGS	1972	1980				1981							
	DOLS-1 LARS	1980 AVG.	1980 MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	1981 JAN.
PRODUCTS, TOTAL	1507.4	602.1	619.0	599.5	588.6	585.0	586.7	585.9	593.3	604.7	610.9	615.5	614.7
FINAL PRODUCTS	1390.9	465.4	475.9	464.5	457.3	455.6	456.9	453.0	458.0	467.7	473.0	475.5	472.6
CONSUMER GOODS	1277.5	313.5	321.3	312.5	306.3	305.8	307.7	305.1	309.0	316.6	320.0	320.3	317.5
DURABLE CONSUMER GOODS	82.0	79.7	85.2	79.0	73.9	74.4	76.0	74.1	77.5	82.1	84.4	82.9	79.4
AUTOMOTIVE PRODUCTS	41.1	36.1	39.2	34.3	31.7	33.0	35.6	32.8	35.3	38.8	40.0	37.8	33.9
HOME GOODS	40.9	43.6	46.0	44.7	42.2	41.4	40.4	41.3	42.1	43.3	44.4	45.2	45.5
NONDURABLE CONSUMER GDS	195.5	233.8	236.1	233.6	232.4	231.4	231.7	231.0	231.5	234.5	235.6	237.4	238.1
CLOTHING	28.5	32.4	33.5	32.6	32.1	32.5	31.1	31.8	31.4	32.0	32.9	32.0	31.7
CONSUMER STAPLES	167.0	201.4	202.6	200.9	198.9	198.9	200.6	199.2	200.2	202.5	202.8	205.4	206.4
CONSUMER ENERGY PROD	39.2	43.6	44.0	43.9	43.1	43.1	43.7	43.4	44.1	43.3	43.2	43.7	44.1
(HOME GOODS & CLOTHING)	69.4	76.0	79.6	77.4	74.3	74.0	71.5	73.1	73.5	75.3	77.3	77.1	77.3
EQUIPMENT	113.4	151.9	154.6	152.0	151.0	149.8	149.2	147.9	149.0	151.1	153.0	155.2	155.1
BUSINESS EQUIPMENT	80.6	110.7	113.7	110.9	110.1	109.1	108.4	107.2	108.0	109.6	110.9	112.8	112.9
INDUSTRIAL EQUIPMENT	34.4	50.2	51.3	51.0	50.5	49.6	49.6	49.2	49.3	49.2	50.1	51.2	52.4
COM'L, TRANSIT, FARM EQ	46.2	60.6	62.5	60.0	59.6	59.5	58.8	58.0	58.7	60.4	60.9	61.6	60.4
DEFENSE & SPACE EQUIP.	32.7	41.1	40.9	41.0	40.9	40.7	40.7	40.7	41.0	41.5	42.0	42.4	41.8
INTERMEDIATE PRODUCTS	116.6	136.7	143.1	135.0	131.3	129.4	129.9	132.9	135.3	137.1	137.9	140.0	142.1
CONSTRUCTION SUPPLIES	57.8	60.1	65.4	58.7	56.1	54.8	54.7	57.2	58.9	60.1	60.9	61.5	63.2
BUSINESS SUPPLIES	58.8	76.5	77.7	76.2	75.2	74.6	75.2	75.7	76.5	76.9	77.1	78.5	78.9
COMMERCIAL ENERGY PROD	15.6	19.1	19.2	19.2	19.0	18.4	18.8	19.0	19.2	19.1	18.9	19.6	19.9

Table 8

INDUSTRIAL PRODUCTION: DIFFUSION INDEXES

Percent of component series higher than in earlier months

	ONE MONTH EARLIER	THREE MONTHS EARLIER	SIX MONTHS EARLIER
1967-80			
AVERAGE	54.9	58.0	60.5
HIGH	71.7	78.7	82.8
LOW	22.6	15.7	14.7
1979			
FEBRUARY	57.4	58.3	68.9
MARCH	66.4	62.1	68.1
APRIL	30.0	48.3	56.4
MAY	63.0	50.2	58.7
JUNE	52.8	46.0	52.1
JULY	53.6	61.1	53.4
AUGUST	42.6	51.7	52.6
SEPTEMBER	52.3	50.9	49.6
OCTOBER	55.3	50.2	61.5
NOVEMBER	51.7	53.4	54.9
DECEMBER	55.1	54.5	53.4
1980			
JANUARY	56.0	53.0	53.0
FEBRUARY	44.5	48.9	49.6
MARCH	50.9	45.7	48.7
APRIL	27.0	27.2	30.6
MAY	28.3	21.7	27.0
JUNE	32.8	18.3	22.1
JULY	43.8	29.6	24.0
AUGUST	60.0	40.4	22.1
SEPTEMBER	67.4	63.0	27.2
OCTOBER	64.5	68.9	43.2
NOVEMBER	70.0	78.7	64.7
DECEMBER	63.6	72.1	74.0
1981			
JANUARY	56.6	70.0	77.7
FEBRUARY	42.8	57.2	76.8

NOTE: THE DIFFUSION INDEXES SHOW THE PERCENT OF THE INDUSTRIAL PRODUCTION INDEX'S 235 SEASONALLY ADJUSTED COMPONENT SERIES THAT IN THE MONTH INDICATED WERE HIGHER THAN THEY WERE ONE MONTH EARLIER, THREE MONTHS EARLIER, AND SIX MONTHS EARLIER. IN CALCULATING THE DIFFUSION INDEXES HALF OF THE UNCHANGED COMPONENTS ARE COUNTED AS BEING HIGHER AND NO ALLOWANCE IS MADE FOR THE RELATIVE IMPORTANCE OF THE INDIVIDUAL COMPONENTS IN TOTAL INDUSTRIAL PRODUCTION. DIFFUSION INDEXES BASED ON CHANGES OVER A SIX-MONTH PERIOD GENERALLY SHOW MORE PRONOUNCED CYCLICAL PATTERNS THAN DIFFUSION INDEXES BASED ON CHANGES OVER SHORTER PERIODS.

Table 9A

ELECTRIC POWER USE BY INDUSTRIES

Seasonally adjusted indexes, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1980 AVG.	1979 Q 4	1980 Q 1	Q 2	Q 3	Q 4	1980 SEP	OCT	NOV	DEC	1981 JAN	FEB	PERCENT CHG. FROM PREV. NO. YR.	(P)	(P)
TOTAL		560.4	136.5	141.7	140.9	136.4	133.1	135.8	135.7	133.1	135.4	138.8	138.1	138.6	.4	-2.1	
MAJOR MARKET GROUPINGS																	
PRODUCTS, TOTAL		136.1	148.7	151.7	152.9	144.7	148.0	149.2	149.4	147.1	147.5	153.0	152.5	151.5	-.6	-1.1	
FINAL PRODUCTS		101.4	147.0	149.2	150.3	143.3	146.8	147.6	148.1	145.5	145.8	151.5	150.7	149.6	-.7	-.7	
CONSUMER GOODS		67.4	152.3	156.3	156.6	148.2	152.1	152.3	153.7	150.2	150.5	156.3	156.3	154.8	-1.0	-1.3	
EQUIPMENT		34.0	133.5	131.2	134.2	131.0	133.1	135.6	133.5	133.5	133.9	139.4	136.6	136.5	-.1	1.0	
INTERMEDIATE PRODUCTS		34.7	153.7	159.4	160.6	148.8	151.7	154.0	153.7	152.1	152.6	157.4	157.8	157.4	-2.2	-2.1	
MATERIALS		424.3	132.4	138.4	137.0	133.6	128.0	131.3	130.9	128.3	131.5	134.1	133.4	134.4	.7	-2.4	
DURABLE		237.7	132.0	139.7	139.0	131.5	126.0	131.5	128.7	128.3	131.8	134.5	133.9	135.0	.8	-3.9	
NONDURABLE		133.0	138.1	143.0	143.2	137.4	133.2	138.9	135.8	136.4	139.0	141.2	140.9	141.5	.4	-1.3	
ENERGY, EX. ERDA		23.8	172.4	170.3	170.5	176.3	170.6	172.5	167.9	167.6	175.1	174.8	172.8	173.7	.5	2.3	
MAJOR INDUSTRY DIVISIONS																	
MINING	10-14	34.7	172.6	177.4	180.4	175.4	164.6	169.8	162.2	164.3	168.6	176.5	177.5	179.3	1.0	-1.5	
MANUFACTURING		519.2	134.4	139.6	139.0	133.8	131.3	133.7	134.3	130.8	133.6	136.8	135.9	136.6	.5	-2.2	
DURABLE	19, 24-25, 32-39	254.1	132.5	139.2	138.9	130.5	128.0	132.7	130.8	129.5	132.6	135.9	134.7	135.0	.2	-3.6	
NONDURABLE	20-23, 26-31	265.1	136.3	140.2	139.2	137.1	134.2	134.9	137.0	132.1	134.8	137.7	137.2	138.1	.6	-.8	
UTILITIES, OWN USE	491, 2	6.5	140.1	135.6													
INDUSTRY GROUPS AND SERIES																	
METAL MINING	10	9.9	161.0	177.4	177.2	171.1	143.6	151.6	138.5	143.2	150.6	161.2	163.4	164.5	.6	-8.2	
IRON ORE	101	5.0	173.4	197.7	192.5	183.5	161.4	155.9	160.4	155.7	151.9	160.1	165.8	169.1	1.9	-12.6	
COPPER ORE	102	3.0	152.6	161.3	168.9	167.6	119.9	152.3	104.0	124.8	157.6	174.5	177.8	168.9	-5.0	-1.3	
COAL	11, 2	5.9	200.2	199.9	204.0	198.0	197.0	201.4	195.9	193.1	204.5	206.7	206.8	205.5	-.6	1.4	
OIL AND GAS EXTRACTION	13	11.9	177.2	173.9	176.0	177.0	177.9	178.1	175.6	176.0	175.4	182.9	182.2	184.2	1.1	4.3	
CRUDE OIL AND NAT. GAS	131	8.9	199.4	191.3	195.0	196.9	201.8	204.0	200.7	202.6	199.3	210.1	207.9	213.6	2.7	9.0	
NATURAL GAS LIQUIDS	132	2.5	119.4	124.8	123.0	125.2	116.2	113.5	108.7	110.2	114.1	116.1	117.0	115.6	-1.1	-6.2	
STONE AND EARTH MINERALS	14	6.9	162.0	161.8	166.7	159.2	159.9	163.1	162.5	159.0	162.0	168.3	167.4	168.0	.4	-.7	
CRUSHED STONE	1421	1.5	162.9	170.7	181.2	158.0	153.3	163.3	156.4	158.7	162.0	169.1	166.1	166.2	-.1	-9.2	
SAND AND GRAVEL	1441	1.1	140.9	145.1	149.0	138.1	137.7	140.9	139.9	138.8	136.7	149.1	153.7	152.2	-1.0	.4	
CHEMICAL MINERALS	147	3.4	168.8	164.4	167.3	167.6	170.5	170.1	169.4	165.9	168.5	175.9	169.4	172.2	1.7	.6	
ORDNANCE	19	4.1	106.7	103.3	104.5	104.2	109.8	108.3	112.0	110.0	110.5	104.4	105.4	107.0	1.5	.8	
FOODS	20	26.8	159.5	157.4	159.8	157.6	161.8	158.6	163.6	159.0	156.2	160.6	159.1	163.2	2.6	2.1	
MEAT PRODUCTS	201	4.2	168.2	166.0	170.0	168.2	168.7	166.3	170.5	165.3	164.1	169.6	171.1	175.0	2.3	2.5	
DAIRY PRODUCTS	202	4.1	141.5	139.6	142.4	137.5	141.0	145.5	147.1	146.1	141.0	149.3	151.2	152.5	-.9	7.7	
CANNED AND FROZEN FOODS	203	3.2	194.1	183.7	193.9	192.4	196.9	193.3	193.8	190.9	191.1	197.9	184.8	191.2	3.4	-1.8	
GRAIN MILL PRODUCTS	204	4.8	148.4	148.7	148.7	145.5	150.8	148.5	155.2	149.2	146.6	149.6	148.3	150.9	1.8	1.0	
BAKERY PRODUCTS	205	1.8	140.4	133.7	135.7	138.0	143.2	144.1	144.3	144.3	141.4	146.5	141.8	145.0	2.2	7.0	
SUGAR	206	1.2	238.5	215.9	220.7	267.2	281.4	213.8	307.8	219.4	210.5	211.5	199.5	290.0	45.4	27.6	
CONFECTIONERY	207	1.0	139.0	135.1	151.9	132.6	132.4	141.8	128.6	133.7	142.4	149.3	154.9	146.4	-5.5	-6.0	
BEVERAGES	208	2.4	203.2	197.8	202.3	198.4	203.9	208.3	204.9	206.1	207.9	211.0	205.2	214.0	4.3	5.7	
MISC. FOOD PRODUCTS	209	4.1	135.7	140.2	135.5	134.5	142.2	130.6	141.6	134.9	126.6	130.4	127.8	124.8	-2.3	-7.8	
TOBACCO PRODUCTS	21	.9	125.6	121.7	125.4	124.4	125.5	126.9	125.5	126.4	129.5	124.8	129.7	129.7	0.0	3.9	
TEXTILE MILL PRODUCTS	22	20.8	117.6	124.4	121.6	117.4	116.6	114.9	119.3	116.8	114.1	113.7	114.0	113.1	-.7	-6.6	
FABRICS	221-41	11.7	95.2	105.0	99.7	94.7	94.4	92.3	96.8	94.1	91.5	91.5	90.9	90.7	-.2	-8.2	
KNIT GOODS	2251	1.7	153.5	161.4	163.5	153.6	147.3	150.9	149.1	150.1	152.1	150.6	150.2	152.4	1.5	-7.4	
FABRIC FINISHING	2261	1.5	157.2	156.9	160.0	159.1	156.3	153.8	156.0	155.7	153.3	152.5	152.4	151.5	-.6	-6.0	
YARN AND THREAD	2281	3.9	159.9	161.2	160.1	162.5	159.5	157.2	164.8	162.4	156.0	153.1	157.7	156.2	-1.0	-2.6	
MISC. TEXTILES	2291	1.4	145.3	151.8	147.3	143.6	147.2	143.1	151.8	143.1	144.9	141.4	133.2	133.0	-.1	-9.7	
APPAREL PRODUCTS	23	3.6	159.3	156.6	164.9	154.1	161.0	157.6	161.5	156.1	154.1	162.7	168.6	161.8	-4.0	-3.0	
MEN'S OUTERWEAR	231, 21	1.0	148.8	138.7	148.6	144.6	156.0	144.8	152.8	144.5	142.7	147.1	149.6	149.2	-.3	-.3	
WOMEN'S OUTERWEAR	2331	1.0	202.2	195.9	208.4	197.6	204.0	199.9	203.9	196.6	195.8	207.3	202.1	201.8	-.1	-5.5	
LUMBER AND PRODUCTS	24	8.0	179.5	194.0	191.4	170.7	175.3	180.6	179.4	177.4	179.4	185.1	179.5	180.5	.6	-5.6	
LUMBER	2421	3.9	165.3	181.2	180.3	159.0	160.6	161.1	161.0	158.0	160.6	164.8	158.9	166.6	4.8	-7.6	
MILLWORK AND PLYWOOD	2431	2.2	185.3	197.1	196.6	166.5	182.5	195.8	192.4	190.1	191.5	205.9	193.5	197.3	2.0	-.6	
FURNITURE AND FIXTURES	25	2.5	159.3	164.6	166.1	157.5	154.3	159.1	157.7	159.5	156.3	161.6	156.0	162.8	4.4	-1.8	
HOME FURNITURE	2511	1.7	171.8	179.4	179.5	169.6	165.4	172.2	170.7	172.6	170.1	174.0	169.2	179.7	6.2	.6	
PAPER AND PRODUCTS	26	49.1	123.9	124.3	124.6	122.2	124.0	125.0	124.7	122.2	125.2	127.5	124.7	125.2	.4	.1	
WOOD PULP	2611	3.5	116.0	120.2	118.2	118.3	113.4	114.1	111.7	110.0	114.7	117.8	116.4	118.7	2.0	-.1	
PAPER	2621	24.5	124.8	121.2	122.3	123.0	126.1	128.2	127.8	123.3	129.3	132.1	127.9	127.0	-.6	3.3	
PAPERBOARD	2631	14.8	137.3	141.7	137.4	134.7	138.2	139.1	140.3	135.8	139.0	142.6	134.1	137.0	2.2	.1	
CONVERTED PAPER	2641	2.5	137.6	141.4	142.4	136.4	138.2	133.8	135.7	134.7	132.8	134.0	138.3	134.5	-2.7	-6.5	
PAPERBOARD CONTAINERS	2651	2.3	140.7	146.8	145.2	136.7	137.2	144.2	136.1	141.6	143.7	147.3	147.6	145.6	-1.4	.3	
BUILDING PAPER AND BOARD	2661	1.4	144.0	159.7	157.5	134.8	136.3	148.2	141.2	148.4	148.5	147.7	143.9	149.2	3.7	-6.6	
PRINTING AND PUBLISHING	27	5.8	161.4	156.8	163.5	157.0	161.9	163.5	162.2	160.8	161.6	168.0	170.9	173.0	1.2	5.0	
NEWSPAPERS	2711	1.7	140.7	136.7	142.0	139.2	140.9	141.2	142.3	139.8	135.6	148.1	146.0	149.0	2.0	4.0	
COMMERCIAL PRINTING	2751	2.4	172.6	168.3	176.3	167.6	173.4	173.4	173.0	170.7	172.7	176.6	181.0	184.8	2.1	3.3	

P--PRELIMINARY

Table 9B

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1980 AVG.	1979 Q 4	1980 Q 1	Q 2	Q 3	Q 4	1980 SEP	OCT	NOV	DEC	1981 JAN	FEB	PERCENT CHG. FROM PREV. MO. (P)	PERCENT CHG. FROM PREV. YR. (P)
TOTAL		560.4	136.5	143.0	139.4	137.3	132.4	136.9	136.0	136.7	136.9	137.1	136.5	135.0	-1.1	-2.1
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	148.7	153.1	147.2	144.6	152.4	150.4	157.3	153.1	150.4	147.8	144.7	146.9	1.6	-1.1
FINAL PRODUCTS		101.4	147.0	150.3	144.4	143.0	152.1	148.6	157.2	151.6	148.5	145.7	142.7	145.0	1.6	-7.7
CONSUMER GOODS		67.4	152.3	157.9	150.0	147.6	157.9	153.8	163.5	156.9	153.6	150.9	148.0	149.2	.8	-1.3
EQUIPMENT		34.0	133.5	131.0	130.2	131.1	137.2	135.3	140.9	138.0	135.5	132.4	129.3	134.3	3.9	1.0
INTERMEDIATE PRODUCTS		34.7	153.7	161.5	155.6	149.8	153.5	156.0	157.8	157.7	156.1	154.1	150.7	152.9	1.5	-2.1
MATERIALS		424.3	132.4	139.6	136.7	134.9	125.7	132.4	128.9	131.2	132.4	133.6	133.8	131.0	-2.1	-2.4
DURABLE		237.7	132.0	139.4	138.7	133.9	124.0	131.3	126.7	129.7	131.2	133.0	133.8	131.4	-1.8	-3.9
NONDURABLE		133.0	138.1	144.0	140.2	138.4	134.1	139.8	137.3	140.0	140.5	139.1	138.0	136.1	-1.3	-1.3
ENERGY, EX. ERDA		23.8	172.4	170.3	180.4	173.9	162.7	172.5	161.6	161.7	173.3	182.4	189.6	185.0	-2.4	2.3
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	172.6	178.5	181.0	177.8	160.5	170.9	161.9	165.0	169.8	178.0	180.5	178.1	-1.3	-1.5
MANUFACTURING		519.2	134.4	140.9	136.9	134.9	131.1	134.9	135.0	135.4	134.9	134.5	133.6	132.4	-9.9	-2.2
DURABLE	19, 24-25, 32-39	254.1	132.5	139.4	137.6	132.3	127.2	132.9	131.2	132.5	133.2	133.1	132.1	132.1	0.0	-3.6
NONDURABLE	20-23, 26-31	265.1	136.3	142.4	136.2	137.4	134.7	136.9	138.6	138.2	136.6	135.9	135.0	132.7	-1.7	-1.8
UTILITIES, OWN USE	491,2	6.5	140.1	137.7												
INDUSTRY GROUPS AND SERIES																
METAL MINING	10	9.9	161.0	177.6	177.1	175.4	139.9	151.8	137.3	144.4	149.2	161.6	166.9	161.3	-3.3	-8.2
IRON ORE	101	5.0	173.4	198.3	191.1	188.1	158.0	156.5	157.2	157.6	150.8	161.1	167.7	165.2	-1.5	-12.6
COPPER ORE	102	3.0	152.6	161.7	171.4	173.6	112.9	152.6	104.0	126.8	154.5	176.6	185.3	167.5	-9.6	-1.3
COAL	11,2	5.9	200.2	200.2	222.8	202.1	174.3	201.7	183.5	188.8	203.1	213.3	219.8	235.1	6.9	1.4
OIL AND GAS EXTRACTION	13	11.9	177.2	174.6	175.8	176.2	178.1	178.7	177.9	175.8	177.2	183.2	188.0	179.6	-8.5	4.3
CRUDE OIL AND NAT. GAS	131	8.9	199.4	192.2	195.9	196.1	200.6	205.0	201.9	201.4	201.5	212.0	217.7	208.2	-8.3	9.0
NATURAL GAS LIQUIDS	132	2.5	119.4	124.9	119.6	124.1	120.3	113.5	111.9	111.5	114.8	114.2	116.4	109.7	-5.7	-6.2
STONE AND EARTH MINERALS	14	6.9	162.0	166.1	157.6	162.4	160.8	167.3	165.0	166.0	167.5	168.6	158.5	155.1	-2.2	-7.7
CRUSHED STONE	142	1.5	162.9	180.4	151.3	165.2	162.4	172.5	165.8	173.1	179.5	165.0	138.0	137.1	-1.7	-9.2
SAND AND GRAVEL	144	1.1	140.9	142.2	126.5	142.7	144.9	149.5	147.9	152.3	149.4	146.8	129.1	128.1	-7.7	.4
CHEMICAL MINERALS	147	3.4	168.8	166.8	166.5	168.7	167.4	172.5	172.3	169.7	170.5	177.3	170.8	164.8	-3.5	.6
ORDNANCE	19	4.1	106.7	103.0	100.3	103.8	114.8	108.1	118.1	113.7	110.7	99.8	100.2	102.9	2.7	.8
FOODS	20	26.8	159.5	161.3	150.6	152.9	171.8	162.5	176.0	168.1	161.7	157.7	152.9	153.2	.2	2.1
MEAT PRODUCTS	201	4.2	168.2	166.9	155.1	164.9	185.6	167.2	184.8	173.5	166.2	162.0	157.8	160.0	1.4	2.5
DAIRY PRODUCTS	202	4.1	191.5	134.6	127.9	138.8	159.1	140.2	163.8	148.9	136.1	135.7	136.5	135.7	-6.6	7.7
CANNED AND FROZEN FOODS	203	3.2	194.1	188.8	181.8	184.3	211.3	198.8	230.8	220.1	195.9	180.4	171.1	182.2	6.4	-1.8
GRAIN MILL PRODUCTS	204	4.8	148.4	153.2	148.4	140.1	152.1	153.0	156.4	154.0	153.8	151.1	149.4	150.5	.7	1.0
BAKERY PRODUCTS	205	1.8	140.4	133.2	126.1	135.4	156.5	143.5	159.6	149.9	141.4	139.2	133.2	133.4	.2	7.0
SUGAR	206	1.2	238.5	293.3	253.2	197.5	213.7	289.3	224.4	253.7	298.1	316.2	307.2	299.3	-2.6	27.6
CONFECTIONERY	207	1.0	139.0	139.8	135.7	132.4	141.1	146.8	146.9	147.2	150.0	143.1	132.5	130.2	-1.7	5.0
BEVERAGES	208	2.4	203.2	193.7	182.6	198.6	227.5	204.1	228.3	213.1	202.7	196.4	188.4	186.6	-3.9	7.7
MISC. FOOD PRODUCTS	209	4.1	135.7	144.5	129.3	131.4	147.5	134.7	148.8	140.0	133.2	130.8	124.3	120.4	-3.2	-7.8
TOBACCO PRODUCTS	21	.9	125.6	126.0	116.0	117.3	137.5	131.5	150.1	141.1	135.9	117.6	112.7	124.1	10.1	3.9
TEXTILE MILL PRODUCTS	22	20.8	117.6	124.9	114.8	120.7	119.5	115.4	127.9	122.1	116.8	107.2	102.9	109.4	6.3	-6.6
FABRICS	221-44	11.7	95.2	105.2	94.9	97.4	96.0	92.5	103.1	98.4	93.6	85.6	83.5	88.2	5.6	-8.2
KNIT GOODS	225	1.7	153.5	160.1	147.0	157.2	160.1	149.7	169.1	158.7	153.8	136.6	128.1	139.8	9.1	-7.4
FABRIC FINISHING	226	1.5	157.2	158.4	158.6	163.7	151.3	155.3	159.6	158.2	158.2	149.6	145.2	152.1	4.8	-6.0
YARN AND THREAD	228	3.9	159.9	162.3	149.1	167.0	165.2	158.4	178.4	167.6	161.3	146.3	139.3	150.0	7.7	-2.6
MISC. TEXTILES	229	1.4	145.3	152.1	143.6	147.0	147.2	143.5	152.3	151.1	142.9	136.4	127.0	132.6	4.4	-9.7
APPAREL PRODUCTS	23	3.6	159.3	152.4	145.0	152.2	186.5	153.4	194.5	168.1	150.3	141.9	143.1	144.5	1.0	-3.0
MEN'S OUTERWEAR	231,21	1.0	148.8	136.4	128.8	142.5	181.4	142.6	188.8	158.4	140.7	128.6	123.5	133.5	8.1	-3.3
WOMEN'S OUTERWEAR	233	1.0	202.2	187.0	180.2	195.2	242.8	190.7	246.7	210.9	185.8	175.4	168.7	176.4	4.5	-5.5
LUMBER AND PRODUCTS	24	8.0	179.5	194.7	194.4	173.0	169.5	181.3	177.3	178.5	183.5	181.8	177.5	185.2	4.4	-5.6
LUMBER	242	3.9	165.3	182.5	183.0	161.2	154.7	162.2	159.6	162.1	163.2	161.5	158.3	168.9	6.7	-7.6
MILLWORK AND PLYWOOD	243	2.2	185.3	195.1	201.5	170.9	175.1	193.8	188.2	184.8	196.5	200.1	193.7	203.1	4.8	-6.6
FURNITURE AND FIXTURES	25	2.5	159.3	165.7	166.7	157.8	152.6	160.1	163.4	162.0	160.2	158.2	151.0	167.2	10.8	-1.8
HOME FURNITURE	251	1.7	171.8	180.4	182.4	170.0	161.4	173.2	174.8	175.6	172.2	171.9	166.5	187.1	12.3	.6
PAPER AND PRODUCTS	26	49.1	123.9	124.1	123.9	123.8	123.1	124.8	123.9	126.6	125.6	122.1	124.2	121.7	-2.1	.1
WOOD PULP	261	3.5	116.0	120.7	117.3	118.9	113.1	114.5	113.1	115.7	113.9	114.0	116.3	115.4	-4.8	-1.1
PAPER	262	24.5	124.8	120.4	122.3	124.9	124.8	127.3	124.7	128.5	128.6	129.8	128.4	122.7	-4.4	3.3
PAPERBOARD	263	14.8	137.3	140.0	138.9	137.5	135.3	137.4	137.9	138.3	138.6	135.4	135.6	135.8	.1	.1
CONVERTED PAPER	264	2.5	137.6	143.8	137.0	137.5	139.8	136.2	141.4	142.9	134.3	131.4	131.1	130.6	-4.4	-6.5
PAPERBOARD CONTAINERS	265	2.3	140.7	146.1	142.7	138.1	138.6	143.5	140.1	145.6	144.4	140.5	139.1	142.1	2.2	.3
BUILDING PAPER AND BOARD	266	1.4	144.0	160.7	152.6	135.4	138.8	149.1	141.2	151.7	155.0	140.6	141.5	142.2	.5	-6.6
PRINTING AND PUBLISHING	27	5.8	161.4	154.9	146.0	154.1	184.0	161.4	186.1	170.7	158.9	154.5	151.1	154.3	2.1	5.0
NEWSPAPERS	271	1.7	140.7	134.0	125.5	137.2	161.9	138.3	162.2	146.6	132.7	135.6	131.1	129.8	-1.0	4.0
COMMERCIAL PRINTING	275	2.4	172.6	168.5	156.5	163.7	196.6	173.5	200.5	184.5	171.9	164.1	157.7	164.3	4.2	3.3

P--PRELIMINARY

Table 9A—continued
ELECTRIC POWER USE BY INDUSTRIES
 Seasonally adjusted indexes, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1980 AVG.	1979 Q 4	1980 Q 1	Q 2	Q 3	Q 4	1980 SEP	OCT	NOV	DEC	1981 JAN	FEB	PERCENT CHG. FROM PREV. MO.	PERCENT CHG. FROM PREV. YR.
														(P)	(P)	(P)
CHEMICALS AND PRODUCTS	28	116.8	129.0	135.1	132.0	132.6	125.0	126.5	129.1	123.2	127.1	129.1	128.8	130.2	1.1	-1.3
BASIC CHEMICALS	281	96.4	115.2	121.1	116.6	120.8	111.8	111.7	115.8	109.2	112.5	113.4	112.5	114.5	1.8	-1.6
ALKALIES AND CHLORINE	2812	12.3	147.2	149.6	152.6	146.1	141.3	149.2	146.5	150.8	148.9	147.9	146.0	150.4	3.0	-3.3
BASIC ORGANIC CHEM.	2818	24.8	143.5	146.2	148.9	145.6	134.2	146.0	136.3	142.9	145.0	150.2	150.3	155.0	3.1	3.3
INORGANIC CHEM. NEC	2819	48.6	94.2	102.6	93.9	104.3	92.8	86.1	98.4	84.3	85.9	88.2	86.5	86.5	0.0	-6.8
ACID AND FERT. MAT'L.S.	2819	18.8	104.3	115.3	113.6	103.1	98.0	102.5	98.4	101.0	102.8	103.7	100.1			
ERDA	2819	29.8	87.8	95.4	81.5	105.1	89.7	76.7	98.0	74.2	77.2	78.8	77.5			
SYNTHETIC MATERIALS	282	12.1	192.4	210.6	209.2	188.9	176.6	196.7	185.3	187.6	197.8	204.8	204.7	201.9	-1.4	-3.1
PLASTICS MATERIALS	2821	4.4	196.2	204.4	203.5	197.5	179.6	205.4	190.2	195.0	204.5	216.6	220.3			
OTHER SYNTHETICS	2822-4	7.7	190.4	212.9	212.8	185.1	174.7	190.8	183.3	183.5	193.4	195.5	196.7			
DRUGS	283	2.0	210.0	199.7	207.4	204.2	213.3	215.2	219.7	208.8	212.9	223.9	216.8	217.7	.4	5.2
SOAP AND TOILETRIES	284	1.0	147.5	150.4	150.2	141.0	151.3	147.7	150.1	150.6	145.4	147.1	150.0	149.5	-1.3	-1.7
FARM CHEMICALS	287	2.7	166.8	163.9	163.1	160.3	173.7	171.1	174.8	167.1	172.2	174.1	183.8	175.6	-4.5	7.6
PETROLEUM PRODUCTS	29	22.3	177.5	180.0	183.3	175.8	174.6	176.7	177.7	172.9	174.5	182.9	187.0	186.3	-.4	1.9
RUBBER AND PLASTICS PROD.	30	10.8	178.9	186.7	185.0	175.3	175.3	180.4	178.3	177.6	180.0	183.4	181.0	178.6	-1.3	-4.2
TIRES	3011	3.2	115.0	130.9	123.2	111.2	110.4	115.4	113.2	113.4	116.9	116.0	113.8	113.1	-.6	-9.4
RUBBER PRODUCTS NEC	306	2.3	124.7	128.7	127.8	119.9	123.0	127.9	124.6	127.8	124.9	131.0	127.7	130.5	2.2	1.3
PLASTICS PRODUCTS NEC	307	4.8	252.1	256.5	260.4	250.1	245.9	252.3	249.8	248.5	250.3	258.0	256.3	248.3	-3.1	-4.7
LEATHER AND PRODUCTS	31	1.3	114.8	114.4	118.3	114.8	113.5	112.7	111.1	112.7	111.0	114.5	118.0	116.7	-1.1	-1.7
SHOES	314	.6	94.1	94.4	97.2	92.7	92.6	94.0	93.3	93.8	92.2	96.0	101.6	100.3	-1.3	2.8
CLAY, GLASS, STONE PRODUCTS	32	20.8	149.7	158.4	157.5	146.2	145.2	150.7	149.4	148.7	151.2	152.4	150.9	152.6	1.1	-3.7
FLAT GLASS	321	1.2	113.6	121.3	118.5	110.7	109.7	115.9	115.8	111.9	115.3	120.4	113.3	114.7	1.3	-4.7
PRESSED AND BLOWN GLASS	322	3.5	207.4	211.5	211.7	202.6	203.8	212.0	211.1	206.0	212.3	217.7	207.9	213.7	2.8	-1.8
CEMENT	324	8.4	117.4	125.5	121.8	113.9	116.1	118.7	120.2	118.5	121.1	116.6	117.7	118.9	1.1	-2.9
STRUCTURAL CLAY PRODUCTS	325	1.3	104.6	119.2	112.6	102.1	99.7	104.2	104.3	102.5	102.6	107.5	104.8	102.4	-2.2	-7.5
CONCRETE PRODUCTS	327	2.3	189.5	208.7	204.5	184.8	180.7	189.3	182.7	187.7	185.2	194.9	195.2	190.0	-2.7	-5.4
PRIMARY METALS	33	132.0	124.0	131.7	130.9	123.2	118.1	123.5	120.5	120.0	124.2	126.4	125.9	126.8	-.7	-4.1
BASIC STEEL & MILL PROD.	331	54.4	106.1	120.8	118.3	104.7	94.3	106.3	99.8	99.5	108.1	111.3	110.3	113.2	2.7	-5.1
IRON & STEEL FOUNDRIES	332	5.9	195.6	209.4	205.8	190.1	185.9	199.7	193.1	193.4	201.9	203.6	206.2	195.0	-5.4	-4.1
PRIMARY NONFERROUS METALS	333	59.5	128.6	130.0	129.8	130.0	127.9	126.9	127.0	126.1	127.0	127.6	128.3	127.1	-.9	-3.0
ALUMINUM	3334	53.6	126.2	127.1	127.2	127.6	125.9	124.1	125.0	123.9	124.6	123.8	125.1	124.6	-.5	-2.5
NONFERROUS MILL PRODUCTS	335	8.4	116.3	119.8	118.8	113.7	114.3	118.7	115.8	115.5	116.8	123.7	119.2	119.5	.3	-1.6
NONFERROUS FOUNDRIES	336	1.4	167.2	175.6	174.3	167.0	160.5	166.7	161.9	165.6	164.9	169.6	169.3	166.4	-1.7	-4.0
FABRICATED METAL PRODUCTS	34	14.8	159.6	165.6	167.0	157.2	154.2	160.2	157.9	158.8	158.5	163.3	161.1	162.1	-.7	-3.7
METAL CANS	341	1.0	211.7	211.8	217.3	210.1	204.5	216.1	208.8	214.2	216.0	218.0	207.9	214.2	3.0	-2.5
HARDWARE	342	1.6	147.7	155.0	152.7	142.8	145.1	150.4	151.8	145.3	150.7	155.0	148.3	148.6	-.2	-3.0
STRUCTURAL METAL PROD.	344	3.5	135.8	142.9	146.0	134.8	129.1	133.4	133.7	131.6	131.7	136.9	137.7	139.4	1.2	-4.8
FASTENERS	345	1.2	155.5	161.3	159.8	153.9	149.3	158.8	150.8	154.6	158.1	163.7	159.3	156.3	-1.9	-2.3
METAL STAMPINGS	346	3.1	138.4	152.9	145.4	134.6	133.5	140.2	136.7	137.3	138.8	144.6	142.7	138.4	-3.0	-5.4
Nonelectrical Machinery	35	17.3	157.9	155.1	159.4	155.1	157.2	160.4	157.4	157.0	157.5	166.8	162.5	161.6	-.6	-.6
ENGINES AND TURBINES	351	1.4	135.1	147.3	148.1	129.4	128.4	135.4	128.7	124.9	127.7	153.7	147.2	140.8	-4.3	-5.8
FARM EQUIPMENT	352	1.2	124.7	122.5	123.9	121.4	126.9	127.0	126.1	124.2	125.2	131.6	133.2	125.4	-5.8	1.2
CONSTRUCTION EQUIPMENT	353	3.0	174.1	162.3	170.9	174.5	174.7	176.5	170.4	174.3	171.7	183.6	178.1	173.9	-2.4	.1
Metalworking Machinery	354	2.8	132.3	131.6	132.7	131.9	134.9	130.0	133.2	126.6	129.2	134.3	130.5	128.4	-1.6	-3.6
SPECIAL INDUSTRY MACH.	355	1.5	148.9	150.0	151.6	146.0	148.6	149.6	150.8	143.9	148.6	156.2	154.5	151.6	-1.9	-1.5
GENERAL INDUSTRIAL MACH.	356	2.7	145.6	145.4	149.8	143.8	145.4	144.0	143.6	139.6	141.6	150.7	147.4	146.0	-1.0	-2.2
OFFICE AND COMPUTING MACH.	357	1.4	222.5	203.4	215.1	210.9	223.1	241.1	226.0	232.3	238.5	252.4	246.9	245.3	-.6	14.9
SERVICE INDUSTRY MACH.	358	1.2	142.0	150.3	151.6	139.5	132.2	144.0	139.0	140.9	142.2	148.9	143.8	142.6	-.8	-6.1
ELECTRICAL MACHINERY	36	19.2	137.6	140.8	141.9	134.7	135.6	138.6	136.0	136.1	136.2	143.4	139.8	140.8	-.7	-1.6
ELECT. DISTRIBUTION EQ.	361	1.8	121.3	126.0	128.6	119.6	119.9	117.8	120.7	116.4	116.6	120.3	118.3	120.4	1.8	-7.6
ELECT. INDUST. APPARATUS	362	3.5	123.7	132.2	130.5	122.6	118.1	123.8	118.1	118.1	127.1	126.2	125.4	124.4	-.8	-5.3
HOME APPLIANCES	363	2.2	102.9	111.3	110.3	96.8	97.5	107.5	100.7	105.3	107.1	110.1	105.3	110.5	5.0	-2.0
LIGHTING & WIRING PROD.	364	1.5	142.6	151.0	148.8	138.4	140.8	142.7	144.1	139.7	140.7	147.9	146.2	148.8	1.8	-.3
RADIO AND TV SETS	365	.8	120.5	120.9	124.6	117.8	119.8	120.5	121.4	120.7	117.9	122.9	125.4	131.6	5.0	4.0
COMMUNICATION EQUIP.	366	3.9	151.7	148.6	154.1	148.9	155.2	148.8	150.5	146.2	146.3	153.9	150.8	148.8	-1.4	-4.4
ELECTRONIC COMPONENTS	367	4.2	168.5	163.2	168.1	164.8	166.5	174.3	165.9	170.6	169.8	182.6	176.6	178.3	1.0	6.1
TRANSPORTATION EQUIPMENT	37	23.6	120.1	130.1	126.1	113.9	117.8	122.8	120.9	117.3	123.3	127.7	122.1	118.9	-2.6	-6.1
MOTOR VEHICLES AND PARTS	371	12.8	122.9	140.4	132.5	113.7	119.7	125.8	124.0	119.8	127.3	130.4	123.4	118.5	-3.9	-11.1
AIRCRAFT AND PARTS	372	8.4	99.2	95.2	97.1	97.2	98.1	104.5	99.0	102.2	102.6	108.7	103.9	105.0	1.0	8.6
SHIPS AND BOATS	373	1.3	146.5	151.5	151.2	140.2	144.7	150.1	145.9	142.5	147.8	160.1	161.6	164.4	1.8	7.1
INSTRUMENTS	38	3.1	160.8	158.5	162.2	158.4	160.3	163.1	163.9	159.7	160.5	169.1	166.8	172.0	3.1	5.0
PHOTOGRAPHIC EQUIPMENT	386	1.4	158.5	154.1	159.5	156.8	157.9	160.4	165.3	151.7	160.3	169.3	162.1	172.6	6.4	7.8
MISC. MANUFACTURES	39	2.5	152.6	154.5	155.6	149.2	152.0	153.7	152.0	151.7	151.9	157.5	159.8	158.5	-.8	2.5
SUPPLEMENTARY GROUPINGS																
TOTAL, EXCLUDING ERDA		530.6	139.9	145.3	145.3	138.6	135.9	140.2	138.0	137.5	140.2	143.0	142.6	143.1	.3	-2.0
ELECTRIC UTILITIES		462.6	149.3	154.6	154.2	148.7	145.9	148.6	148.6	145.3	148.3	152.3	152.0	151.6	-.3	-1.8
SALES TO INDUSTRY		457.1	149.4	154.8	154.5	148.6	146.0	148.7	148.8	145.2	148.7	152.3	152.2	151.9	-.2	-1.9
OWN USE		5.5	140.9	136.2	134.8	152.9	140.8	136.2	133.9	131.7	138.8	138.3	138.3	132.7	-4.0	0.0
INDUSTRIAL GENERATION		102.9	85.9	91.0	88.5	86.3	83.2	85.8	85.4	84.4	86.7	86.3	83.2	84.8	2.0	-4.0
SALES TO ELECTRIC UTILITIES		5.1	103.6	124.9												
OWN USE		97.8	85.0	89.5	88.8	85.0	82.3	84.0	83.3	82.9	84.7	84.4	83.3	85.2	2.3	-4.2

P--PRELIMINARY

NOTE: TOTALS EXCLUDE INDUSTRIAL GENERATION POWER SALES TO ELECTRIC UTILITIES. ERDA (PART OF SIC 2819) IS THE FORMER ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION. ERDA USE DATA ARE INCLUDED IN TOTAL MATERIALS, ALTHOUGH EXCLUDED FROM THE ENERGY COMPONENT. ALL INDEXES ARE COMPILED FROM SAMPLE REPORTS TO THE FEDERAL RESERVE SYSTEM AND THE 2-DIGIT GROUP TOTALS INCLUDE SOME DATA THAT ARE UNALLOCATED AT THE 3-DIGIT LEVELS. THE 1967 DATA ARE FROM COMPREHENSIVE CENSUS, BEI, AND FPC SOURCES AND ARE PROVIDED FOR REFERENCE. THEY ARE NOT USED AS WEIGHTS TO COMBINE SERIES. THE AGGREGATE INDEXES ARE KWH TOTALS CONVERTED TO A 1967 COMPARISON BASE. ADDITIONAL INFORMATION IS PROVIDED IN THE JANUARY 1976 BULLETIN. DATA AND PERCENT CHANGES ARE ROUNDED INDEPENDENTLY.

Table 9B—continued

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1980 AVG.	1979 Q 4	1980 Q 1	Q 2	Q 3	Q 4	1980 SEP	OCT	NOV	DEC	1981 JAN	FEB	PERCENT CHG. FROM PREV.	
															MO. (P)	YR. (P)
CHEMICALS AND PRODUCTS	28	116.8	129.0	138.3	131.0	132.8	122.6	129.5	126.8	128.7	129.0	130.7	129.7	125.0	-3.6	-1.3
BASIC CHEMICALS	281	96.4	115.2	125.4	116.8	120.3	108.0	115.6	111.5	114.9	115.0	117.0	114.9	109.9	-4.3	-1.6
ALKALIES AND CHLORINE	2812	12.3	147.2	153.0	148.3	145.7	142.1	152.5	145.3	151.8	152.7	153.0	142.9	141.1	-1.3	-3.3
BASIC ORGANIC CHEM. NEC	2818	24.8	143.5	149.4	143.6	143.7	137.7	149.2	140.9	148.3	147.6	151.7	148.6	144.8	-2.6	3.3
INORGANIC CHEM. NEC	2819	48.6	94.2	108.7	96.9	103.6	85.0	91.2	89.1	91.2	89.6	92.7	91.5	84.2	-7.9	-6.8
ACID AND FERT. MAT'L.S.	282	18.8	104.3	116.0	112.9	104.4	96.7	103.1	94.8	102.1	102.6	104.6	101.5			
ERDA	29	29.8	87.8	104.1	86.8	103.1	77.6	83.6	85.5	84.3	81.3	85.1	85.0			
SYNTHETIC MATERIALS	2821	12.1	192.4	205.2	203.7	191.9	182.4	191.6	191.2	188.6	192.0	194.2	200.0	195.1	-2.5	-3.1
PLASTICS MATERIAL	2821	4.4	196.2	203.5	197.2	198.9	184.4	204.4	196.7	198.5	201.2	213.4	218.1			
OTHER SYNTHETICS	822-4	7.7	190.4	206.1	207.2	188.2	181.4	184.7	188.2	183.2	187.1	183.8	190.2			
DRUGS	283	2.0	210.0	197.5	190.1	205.1	232.1	212.7	244.1	221.9	211.9	204.2	194.7	200.9	3.2	5.2
SOAP AND TOILETRIES	284	1.0	147.5	151.0	145.8	142.0	153.8	148.4	156.4	155.7	147.2	142.3	140.3	145.2	3.5	-1.7
FARM CHEMICALS	287	2.7	166.8	162.6	161.7	166.6	169.3	169.7	169.9	166.6	169.3	173.4	177.9	170.1	-4.4	7.6
PETROLEUM PRODUCTS	29	22.3	177.5	181.2	177.5	173.9	180.9	177.9	182.7	177.2	175.0	181.4	185.1	179.0	-3.3	1.9
RUBBER AND PLASTICS PROD.	30	10.8	178.9	188.7	182.9	176.4	174.1	182.3	183.3	186.0	183.6	177.2	169.7	180.5	6.3	-4.2
TIRES	301	3.2	115.0	131.1	122.6	111.9	110.2	115.4	117.1	120.3	114.7	111.3	109.4	113.4	3.7	-9.4
RUBBER PRODUCTS NEC	306	2.3	124.7	131.8	126.7	119.3	121.8	130.8	129.0	133.5	129.7	129.2	121.1	133.5	10.3	1.3
PLASTICS PRODUCTS NEC	307	4.8	252.1	260.0	256.4	252.9	243.5	255.6	254.8	258.2	259.3	249.2	236.8	251.2	6.1	-4.7
LEATHER AND PRODUCTS	31	1.3	114.8	115.0	115.7	115.3	114.8	113.2	117.9	115.4	112.7	111.4	112.1	116.2	3.6	-1.7
SHOES	314	.6	94.1	94.1	94.7	92.7	95.4	93.6	100.1	95.5	92.4	92.8	95.9	99.0	3.2	2.8
CLAY, GLASS, STONE PRODUCTS	32	20.8	149.7	160.8	148.1	148.8	149.0	153.0	153.6	155.1	154.5	149.3	141.1	141.3	.1	-3.7
FLAT GLASS	321	1.2	113.6	121.7	115.7	110.8	111.8	116.1	118.6	118.0	115.0	115.2	113.3	109.5	-3.3	-4.7
PRESSED AND BLOWN GLASS	322	3.5	207.4	212.4	205.5	204.5	206.6	212.8	213.2	215.3	214.4	208.8	195.9	207.3	5.8	-1.8
CEMENT	324	8.4	117.4	128.6	107.7	117.8	122.3	121.8	126.6	125.7	124.3	115.4	106.4	99.0	-6.9	-2.9
STRUCTURAL CLAY PRODUCTS	325	1.3	104.6	120.8	112.3	102.5	98.2	105.6	102.5	103.0	105.9	107.9	105.3	102.1	-3.0	-7.5
CONCRETE PRODUCTS	327	2.3	189.5	212.3	195.2	186.8	183.5	192.6	187.6	194.5	193.0	190.2	185.8	180.9	-2.7	-5.4
PRIMARY METALS	33	132.0	124.0	131.0	132.0	125.8	115.1	122.9	117.4	120.6	122.8	125.2	127.6	123.9	-2.9	-4.1
BASIC STEEL & MILL PROD.	331	54.4	106.1	119.1	120.9	107.8	90.8	104.8	95.8	98.7	105.7	110.0	113.2	112.1	-1.0	-5.1
IRON & STEEL FOUNDRIES	332	5.9	195.6	212.8	207.1	196.9	175.5	202.8	192.7	202.7	206.8	198.9	195.6	204.0	4.3	-4.1
PRIMARY NONFERROUS METALS	333	59.5	128.6	129.9	129.4	131.3	126.9	126.9	124.7	127.5	125.5	127.6	129.7	121.3	-6.5	-3.0
ALUMINUM	3334	53.6	126.2	127.0	125.6	128.3	126.7	124.0	124.1	125.2	122.7	124.1	126.9	117.7	-7.2	-2.5
NONFERROUS MILL PRODUCTS	335	8.4	116.3	118.3	120.2	116.7	111.3	117.1	113.8	117.4	116.3	117.6	118.9	118.3	-6	-1.6
NONFERROUS FOUNDRIES	336	1.4	167.2	175.8	178.5	168.4	155.0	166.8	162.2	170.4	168.0	161.9	169.5	172.9	2.0	-4.0
FABRICATED METAL PRODUCTS	34	14.8	159.6	166.1	166.8	158.3	152.8	160.6	160.9	163.2	160.1	158.4	155.3	164.9	6.2	-3.7
METAL CANS	341	1.0	211.7	204.2	212.1	209.9	216.6	208.3	218.0	217.4	206.5	201.0	200.4	211.4	5.5	-2.5
HARDWARE	342	1.6	147.7	157.7	153.6	143.2	141.3	152.9	154.7	152.1	154.0	152.4	144.8	151.3	4.5	-3.0
STRUCTURAL METAL PROD.	344	3.5	135.8	144.6	146.9	134.9	126.6	135.0	132.2	135.4	134.4	135.0	134.3	142.8	6.3	-4.8
FASTENERS	345	1.2	155.5	161.0	162.1	155.7	145.8	158.4	153.1	157.9	159.2	158.2	152.3	164.9	8.3	-2.3
METAL STAMPINGS	346	3.1	138.4	153.4	145.0	136.4	131.6	140.5	138.8	143.3	141.4	136.8	133.8	141.6	5.8	-5.4
NONELECTRICAL MACHINERY	35	17.3	157.9	154.7	155.9	155.3	160.7	159.8	165.9	161.8	159.5	158.1	154.1	160.9	4.4	.6
ENGINES AND TURBINES	351	1.4	135.1	147.7	145.9	130.8	128.4	135.4	133.0	130.8	131.6	143.7	140.1	139.6	-4	-5.8
FARM EQUIPMENT	352	1.2	124.7	122.3	122.4	126.1	123.6	126.8	135.8	129.7	125.7	124.9	123.3	127.9	3.7	1.2
CONSTRUCTION EQUIPMENT	353	3.0	174.1	163.4	169.8	174.4	175.0	177.4	180.1	176.9	177.1	178.1	168.7	179.3	6.3	.1
METALWORKING MACHINERY	354	2.8	132.3	131.4	133.9	131.6	134.1	129.8	136.6	130.8	129.6	129.1	127.5	132.0	3.5	-3.6
SPECIAL INDUSTRY MACH.	355	1.5	148.9	149.9	149.6	146.7	150.0	149.3	156.6	147.4	150.7	149.8	148.5	153.1	3.1	-1.5
GENERAL INDUSTRIAL MACH.	356	2.7	145.6	145.6	147.3	144.3	146.8	144.0	150.9	144.0	144.5	143.7	139.8	147.0	5.1	-2.2
OFFICE AND COMPUTING MACH.	357	1.4	222.5	202.8	201.3	208.2	240.6	240.1	244.5	244.9	240.7	234.7	228.1	232.8	2.1	14.9
SERVICE INDUSTRY MACH.	358	1.2	142.0	146.7	144.8	141.6	141.1	140.4	148.0	145.2	140.1	135.9	132.0	139.5	5.6	-6.1
ELECTRICAL MACHINERY	36	19.2	137.6	140.7	136.8	135.5	139.7	138.3	144.7	142.6	137.3	135.1	132.3	136.5	3.2	+1.6
ELECT. DISTRIBUTION EQ.	361	1.8	121.3	124.7	124.6	120.9	123.2	116.6	126.4	123.3	115.6	111.0	112.6	117.2	4.0	-7.6
ELECT. INDUST. APPARATUS	362	3.5	123.7	131.4	128.7	124.3	118.6	123.0	119.8	123.3	123.3	122.5	122.8	121.9	-7	-5.3
HOME APPLIANCES	363	2.2	102.9	110.0	108.9	97.6	99.0	106.1	107.1	109.5	107.2	101.5	101.1	109.9	8.7	-2.0
LIGHTING & WIRING PROD.	364	1.5	142.6	151.8	147.4	141.9	137.7	143.4	152.4	145.7	143.9	140.6	136.9	150.2	9.7	-3
RADIO AND TV SETS	365	.8	120.5	119.9	115.3	116.8	130.5	119.4	135.6	126.2	118.3	113.8	116.1	121.6	4.7	4.0
COMMUNICATION EQUIP.	366	3.9	151.7	150.7	144.2	148.2	163.4	150.8	165.0	158.4	149.6	144.4	138.5	139.5	.8	-4.4
ELECTRONIC COMPONENTS	367	4.2	168.5	161.9	158.4	164.8	178.0	172.8	181.5	178.5	169.4	170.6	165.1	168.6	2.2	6.1
TRANSPORTATION EQUIPMENT	37	23.6	120.1	131.5	122.9	115.0	118.3	124.0	125.2	124.0	126.2	121.8	114.3	118.7	3.8	-6.1
MOTOR VEHICLES AND PARTS	371	12.8	122.9	142.9	129.3	115.7	118.5	127.9	128.2	126.6	131.4	125.6	115.2	118.7	3.1	-11.1
AIRCRAFT AND PARTS	372	8.4	99.2	94.6	93.0	97.1	102.9	103.7	104.6	105.8	104.0	101.3	96.8	101.3	4.7	8.6
SHIPS AND BOATS	373	1.3	146.5	151.2	153.7	138.4	144.3	149.6	146.2	144.0	150.6	154.2	159.1	171.2	7.6	7.1
INSTRUMENTS	38	3.1	160.8	157.6	152.1	157.7	171.6	162.1	179.3	167.2	160.4	158.6	154.6	160.4	3.7	5.0
PHOTOGRAPHIC EQUIPMENT	386	1.4	158.5	153.7	150.5	157.4	166.3	159.7	174.1	158.9	158.5	161.8	153.5	158.6	3.3	7.8
MISC. MANUFACTURES	39	2.5	152.6	155.1	149.9	148.5	157.8	154.2	162.9	159.6	153.4	149.6	148.6	155.8	4.8	2.5
SUPPLEMENTARY GROUPINGS																
TOTAL, EXCLUDING ERDA		530.6	139.9	145.7	143.0	139.7	136.2	140.6	139.5	140.3	140.8	140.7	140.1	139.0	-1.8	-2.0
ELECTRIC UTILITIES		462.6	149.3	156.1	152.1	150.1	145.1	150.0	149.5	149.8	149.9	150.1	149.2	148.4	-1.6	-1.8
SALES TO INDUSTRY		457.1	149.4	156.3	152.1	150.2	145.3	150.1	149.9	150.2	150.0	150.1	149.0	148.4	-1.4	-1.9
OWN USE		5.5	140.9	138.4	149.2	145.3	130.6	138.4	120.5	119.5	142.1	153.5	163.9	148.6	-9.3	0.0
INDUSTRIAL GENERATION		102.9	85.9	91.7	87.3	85.9	84.0	86.4	84.4	86.2	86.0	87.2	84.6	80.2	-5.3	-4.0
SALES TO ELECTRIC UTILITIES		5.1	103.6	130.7												
OWN USE		97.8	85.0	89.6	88.0	85.6	82.3	84.1	82.6	84.2	84.0	84.0	84.6	80.7	-4.6	-4.2

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 (for example, 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 3 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 that 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 (1) hours worked by production workers as indicated by the monthly establishment survey of the Bureau of Labor Statistics, and (2) 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 2 are reviewed and edited monthly. The seasonal factors currently being used were developed from data through 1978, edited to minimize the effect of the sharp cyclical decline and recovery in industrial production in 1974 and 1975.

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:

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

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 0.25 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 0.25 per cent. (Calculated on the basis of data for the August 1971 to July 1976 period.)

Rounding. Changes shown for index components may not aggregate to changes for totals due to independent rounding.