

FEDERAL RESERVE statistical release



G.12.3

For release at 9:30 a.m. (EST)
November 15, 1984

INDUSTRIAL PRODUCTION

Total industrial production was unchanged in October following a one-half percent decline in September and a 0.1 percent rise in August. Production of equipment and consumer goods increased moderately in October but the output of materials and construction supplies was reduced. At 165.2 percent of the 1967 average, the index for October was 6.6 percent higher than a year earlier.

Market Groupings. Output of durable consumer goods edged down 0.1 percent but nondurable consumer goods rose 0.3 percent reflecting gains in the production of food, fuel and other goods. The scheduled rebound in auto assemblies from the strike-depressed annual rate of 6.9 million units in September did not materialize. In October, parts shortages caused by the Canadian auto strike held car output to an annual rate of 7.0 million units; light truck production decreased substantially. Home goods output was off slightly following a 0.9 percent gain in September. Production of business equipment increased only moderately for the second month as the output of transit equipment--especially trucks--and farm equipment was reduced. Production of construction supplies declined further by an estimated 0.9 percent.

Total materials production declined 0.4 percent largely reflecting a sharp reduction in coal output. Among durable materials, there was some increase in production of metals. Output of equipment parts declined and little change occurred in other components. Among nondurable materials, production of chemicals gained but textile output continued to decline.

Industry Groupings. Manufacturing output increased 0.2 percent in October following a decrease of 0.5 percent in September. Durable goods manufacturing edged upward during the month reflecting gains in steel and non-electrical machinery while nondurables increased 0.3 percent. To reduce stockpiles built earlier in anticipation of a strike, coal mining output was reduced very sharply. Output of utilities changed little.

Industrial Production: Summary

Seasonally adjusted

Item	Index, 1967 = 100		Monthly percent change					Current month from a year ago
	1984							
	SEP.	OCT.	JUNE	JULY	AUG.	SEP.	CCI.	
Total	165.2	165.2	1.0	.9	.1	-.5	.0	6.6
Market Groupings								
Products, total	166.9	167.1	1.2	1.3	-.1	-.2	.1	7.4
Final products	164.9	165.3	1.2	1.3	.0	-.2	.2	8.3
Consumer goods	161.6	161.9	.8	.5	-.8	-.6	.2	3.2
Durable goods	160.2	160.1	1.4	.1	-.6	-1.6	-.1	2.2
Nondurable goods	162.2	162.7	.6	.7	-.9	-.1	.3	3.6
Business equipment	188.0	188.5	2.6	2.4	1.2	.1	.3	16.9
Defense and space	138.0	139.0	.3	1.8	.7	.9	.7	13.1
Intermediate products	174.3	173.8	1.1	1.3	-.3	-.5	-.3	4.4
Construction supplies	159.7	158.3	.9	.6	-.4	-.9	-.9	3.9
Materials	162.8	162.1	.6	.4	.5	-.9	-.4	5.3
Industry Groupings								
Manufacturing	166.9	167.2	.9	1.0	.3	-.5	.2	7.0
Durable	157.2	157.3	1.0	1.5	.6	-.6	.1	10.2
Nondurable	180.8	181.4	.8	.3	-.1	-.5	.3	3.3
Mining	128.4	123.7	1.6	2.3	-1.1	-.1	-3.7	4.6
Utilities	180.2	180.3	1.1	-1.4	-.7	-.2	.1	2.2

FEDERAL RESERVE

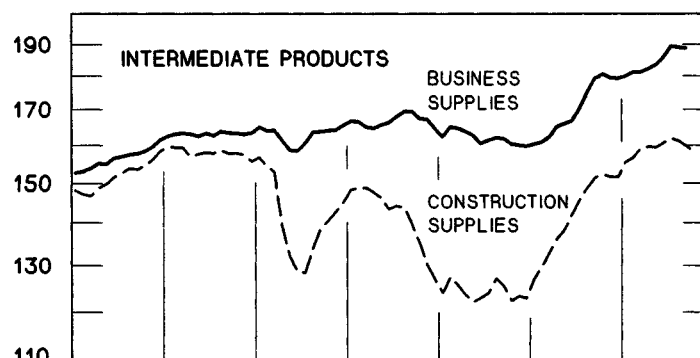
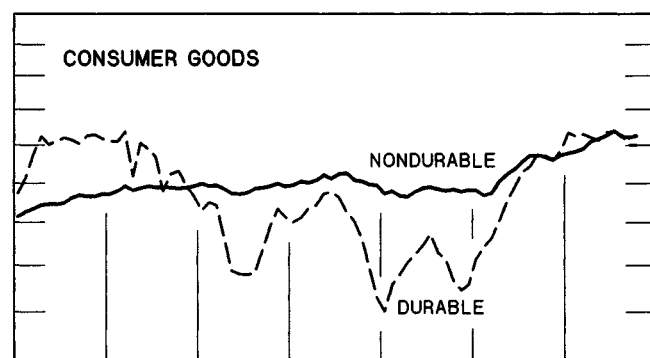
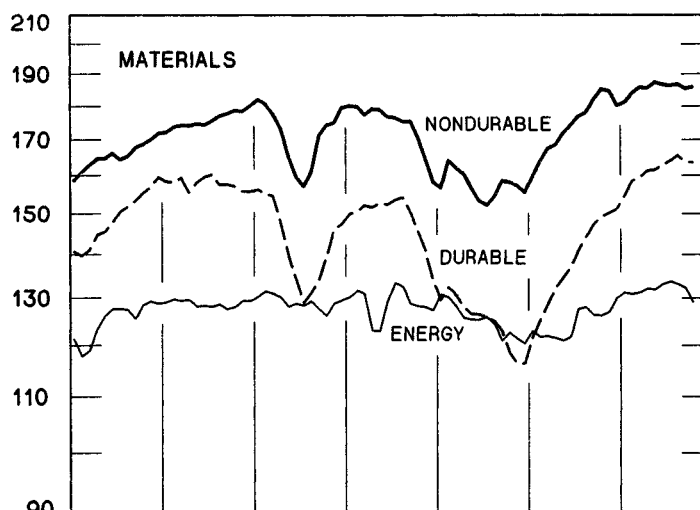
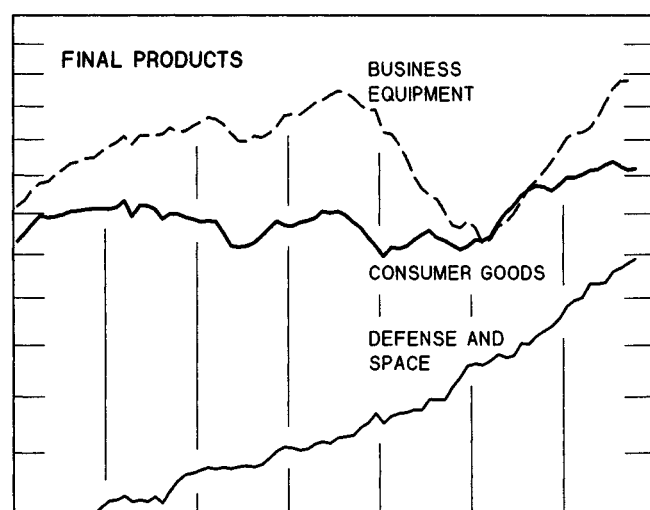
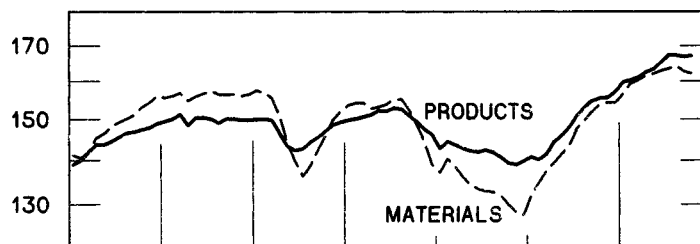
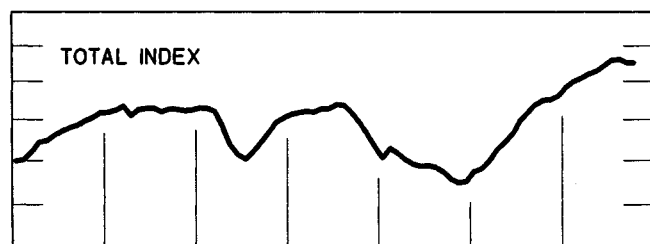


Industrial Production

INDUSTRIAL PRODUCTION

OCTOBER DATA

SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



1969-70=100

ANNUAL RATE, MILLIONS OF UNITS

1967=100

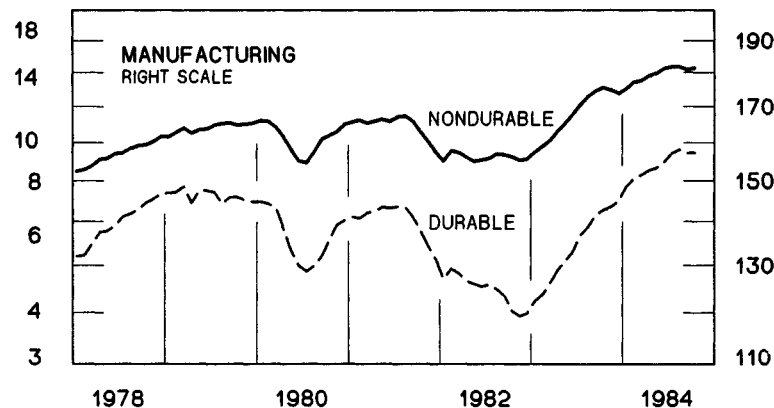
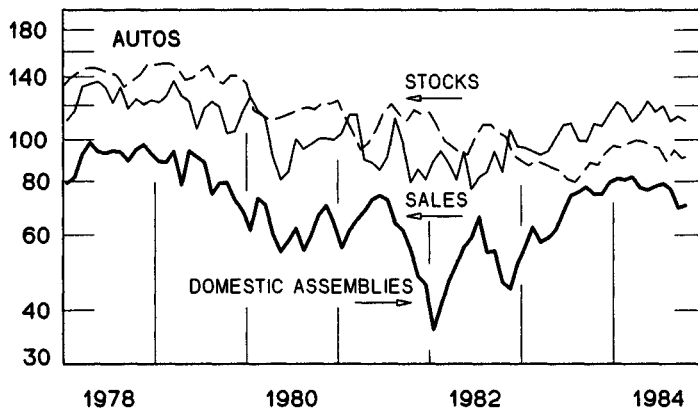


Table 1A
INDUSTRIAL PRODUCTION: MARKET GROUPINGS
 Seasonally adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967 PRO- TION	1983 POR- AVG.	1983			1984									
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.
TOTAL INDEX	100.00	147.6	155.0	155.3	156.2	158.5	160.0	160.8	162.1	162.8	164.4	165.9	166.1	165.2	165.2
PRODUCTS, TOTAL	60.71	149.2	155.6	155.8	157.4	159.7	160.4	161.1	162.5	163.3	165.3	167.4	167.3	166.9	167.1
FINAL PRODUCTS	47.82	147.1	152.7	153.2	155.2	157.5	158.0	158.6	160.2	161.1	163.1	165.2	165.2	164.9	165.3
CONSUMER GOODS	27.68	151.7	156.9	156.1	157.7	159.5	159.4	160.2	161.4	161.7	163.0	163.8	162.5	161.6	161.9
EQUIPMENT	20.14	140.8	147.0	149.1	151.8	154.9	156.1	156.4	158.5	160.3	163.3	167.0	168.8	169.3	170.0
INTERMEDIATE PRODUCTS	12.89	156.6	166.5	165.5	165.4	167.8	169.0	170.2	171.0	171.6	173.5	175.8	175.2	174.3	173.8
MATERIALS	39.29	145.2	154.0	154.5	154.5	156.6	159.4	160.4	161.5	162.0	162.9	163.5	164.3	162.8	162.1
CONSUMER GOODS															
DURABLE CONSUMER GOODS	7.89	147.5	156.7	155.9	158.6	163.4	162.5	163.1	162.2	161.4	163.6	163.7	162.8	160.2	160.1
AUTOMOTIVE PRODUCTS	2.83	158.2	171.3	171.5	178.4	184.5	182.1	184.1	180.9	179.8	184.3	185.0	182.2	172.7	172.8
AUTOS & UTILITY VEHICLES	2.03	134.0	149.2	149.2	157.8	163.3	162.2	164.1	158.4	155.9	158.7	161.1	159.2	145.6	145.3
AUTOS, TOTAL	1.90	117.4	129.6	129.4	137.4	140.7	140.4	142.4	134.5	132.9	136.2	138.7	134.3	121.1	123.6
AUTO PARTS & ALLIED GOODS	.80	219.6	227.4	228.2	230.7	238.4	232.6	234.7	238.0	240.6	249.3	245.8	240.5	241.2	242.5
HOME GOODS	5.06	141.4	148.4	147.2	147.5	151.5	151.5	151.3	151.7	151.1	152.0	151.8	151.9	153.2	153.0
APPLIANCES, AIR COND & TV	1.40	116.4	129.2	127.0	126.3	136.4	135.1	134.4	136.1	134.0	134.9	133.4	132.3	136.8	136.1
APPLIANCES AND TV	1.33	120.1	133.3	131.3	130.2	140.0	138.6	138.0	138.8	136.7	138.0	136.9	135.9	140.6	
CARPETING AND FURNITURE	1.07	178.1	185.5	182.7	184.0	183.1	178.7	180.2	181.0	179.6	179.4	179.5	180.8	179.5	
MISC. HOME GOODS	2.59	139.9	143.6	143.4	143.9	146.7	149.1	148.5	148.0	148.6	150.0	150.3	150.6	151.3	151.1
NONDURABLE CONSUMER GOODS	19.79	153.4	157.1	156.1	157.3	157.9	158.2	159.1	161.1	161.8	162.7	163.9	162.4	162.2	162.7
CLOTHING	4.29														
CONSUMER STAPLES	15.50	163.7	167.2	165.4	166.0	166.5	166.9	168.0	170.2	171.6	173.2	174.5	172.8	172.9	173.6
CONSUMER FOODS & TOBACCO	8.33	153.5	156.0	154.5	155.4	156.5	156.8	157.6	160.4	161.0	161.9	162.9	161.7		
NONFOOD STAPLES	7.17	175.4	180.3	178.1	178.3	178.2	178.7	180.1	181.6	183.9	186.3	188.0	185.7	185.4	186.2
CONSUMER CHEMICAL PROD	2.63	231.0	238.7	232.4	229.9	231.6	231.9	231.3	233.4	235.9	241.5	247.1	244.3	242.3	
CONSUMER PAPER PRODUCTS	1.92	132.7	137.6	136.6	137.2	138.8	140.3	141.8	144.0	145.6	147.9	151.5	149.7	149.8	
CONSUMER ENERGY PROD	2.62	150.9	153.0	154.1	156.5	153.4	153.3	156.8	157.1	159.8	159.0	155.3	153.3	154.3	
RESIDENTIAL UTILITIES	1.45	173.4	174.5	175.8	185.2	180.0	172.8	177.7	177.4	181.1	182.4	178.6	175.0		
EQUIPMENT															
BUSINESS EQUIPMENT	12.63	153.3	161.3	164.1	167.3	170.7	171.9	172.1	173.5	176.5	181.1	185.5	187.8	188.0	188.5
INDUSTRIAL EQUIPMENT	6.77	120.4	126.6	128.6	130.8	133.7	134.6	134.8	135.9	138.5	140.4	143.1	143.3	142.7	143.4
BUILDING AND MINING EQUIP	1.44	159.3	166.9	175.8	185.3	185.1	182.0	175.2	173.6	182.9	185.8	190.0	191.6	190.7	193.2
MANUFACTURING EQUIPMENT	3.85	107.1	114.6	114.3	115.1	119.7	120.9	124.2	126.2	127.4	128.6	130.1	129.7	129.8	130.1
POWER EQUIPMENT	1.47	117.1	118.5	119.4	118.4	120.0	123.8	122.7	124.1	124.1	126.7	131.0	131.2	129.5	129.5
COM'L, TRANSIT, FARM EQ	5.86	191.3	201.3	205.1	209.6	213.3	215.1	215.3	217.0	220.5	228.1	234.5	239.3	240.2	240.5
COMMERCIAL EQUIPMENT	3.26	273.2	288.1	292.5	298.9	303.2	305.9	306.9	309.6	315.5	326.3	333.4	339.5	344.9	347.2
TRANSIT EQUIPMENT	1.93	95.2	100.0	103.2	106.0	110.1	110.1	109.2	108.9	109.7	115.1	120.4	125.2	121.3	118.9
FARM EQUIPMENT	.67	69.5	70.9	73.5	73.5	73.6	75.7	75.0	78.0	77.1	76.1	81.8	80.3	73.6	
DEFENSE AND SPACE EQUIPMENT	7.51	119.9	122.9	124.0	125.7	128.3	129.5	130.1	133.2	133.1	133.5	135.9	136.8	138.0	139.0
INTERMEDIATE PRODUCTS															
CONSTRUCTION SUPPLIES	6.42	142.5	152.3	151.6	151.5	155.5	156.6	159.1	159.6	159.5	160.9	161.9	161.2	159.7	158.3
BUSINESS SUPPLIES	6.47	170.7	180.6	179.4	179.3	180.1	181.3	181.3	182.3	183.5	186.1	189.5	189.0	188.8	
COMMERCIAL ENERGY PRODUCTS	1.14	184.3	187.0	187.6	188.0	192.1	191.6	187.0	190.0	190.8	195.3	194.9	193.3	191.7	
MATERIALS															
DURABLE GOODS MATERIALS	20.35	138.6	149.4	150.3	151.3	154.6	158.6	159.5	161.3	161.6	163.0	164.2	165.7	163.8	163.6
DURABLE CONSUMER PARTS	4.58	113.6	124.9	125.0	127.9	131.6	133.1	133.0	133.2	132.6	134.7	135.1	136.6	133.8	133.8
EQUIPMENT PARTS	5.44	176.4	188.3	192.5	193.4	198.2	204.0	206.7	210.9	210.6	214.0	218.8	220.1	219.0	217.8
DURABLE MATERIALS NEC	10.34	129.9	139.8	139.3	139.5	141.8	146.0	146.3	147.7	148.6	148.7	148.3	149.9	148.0	148.3
BASIC METAL MATERIALS	5.57	90.2	98.0	97.1	96.9	97.7	103.0	103.0	105.7	104.5	104.1	103.4	103.3	99.9	
NONDURABLE GOODS MATERIALS	10.47	174.5	185.3	184.8	180.3	181.2	184.1	185.9	185.7	187.4	186.7	186.5	186.8	185.5	185.9
TEXTILE, PAPER, & CHEM MAT	7.62	182.6	195.4	194.7	189.6	190.5	193.9	195.3	195.0	196.8	195.8	195.9	196.4	194.4	195.0
TEXTILE MATERIALS	1.85	116.2	124.0	121.9	121.3	119.9	119.9	120.6	118.9	121.9	119.6	118.8	120.9	117.6	
PAPER MATERIALS	1.62	158.2	166.3	169.8	166.0	167.0	166.8	163.5	166.7	169.2	169.5	172.8	170.0	170.8	
CHEMICAL MATERIALS	4.15	124.7	128.7	237.0	229.3	231.3	237.6	241.1	240.0	241.1	240.2	239.3	240.5	238.0	
CONTAINERS, NONDURABLE	1.70	167.9	175.9	176.6	173.0	173.5	173.0	176.0	175.7	176.6	176.7	176.6	175.3	175.4	
NONDURABLE MATERIALS NEC	1.14	130.5	131.9	130.6	129.5	130.5	135.2	137.7	138.6	140.5	140.5	138.8	139.6	141.0	
ENERGY MATERIALS	8.48	124.8	126.3	127.1	130.0	131.3	131.0	131.3	132.1	131.9	133.2	133.7	133.1	132.2	129.1
PRIMARY ENERGY	4.65	114.7	114.1	115.5	117.6	119.3	121.3	119.6	119.5	119.8	120.1	122.7	122.0	121.1	
CONVERTED FUEL MATERIALS	3.82	137.0	141.2	141.1	145.1	145.8	142.8	145.4	147.3	146.5	149.0	147.1	146.5	145.7	
SUPPLEMENTARY GROUPS															
HOME GOODS AND CLOTHING	9.35	129.9	135.5	135.9	137.6	140.1	140.3	140.1	141.0	139.8	139.6	139.7	139.6	139.6	139.2
ENERGY, TOTAL	12.23	135.9	137.7	138.5	141.1	141.6	141.4	141.9	142.8	143.3	144.5	144.0	143.0	142.5	140.4
PRODUCTS	3.76	161.0	163.3	164.3	166.0	165.1	164.9	166.0	167.1	169.2	170.0	167.3	165.4	165.7	
MATERIALS	8.48	124.8	126.3	127.1	130.0	131.3	131.0	131.3	132.1	131.9	133.2	133.7	133.1	132.2	129.1

Table 1B
INDUSTRIAL PRODUCTION: MARKET GROUPINGS
 Not seasonally adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967 PBO- 1 T10M1	1968 PBO- 1 T10M1	1968 PBO- 1 T10M1	1983					1984							
				OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.
TOTAL INDEX	100.00	147.6	158.4	154.7	151.5	154.3	160.2	161.5	161.2	161.8	167.5	162.6	168.1	170.4	168.9	
PRODUCTS, TOTAL	60.71	149.2	160.3	155.2	151.3	154.1	159.1	160.2	160.0	161.1	169.2	166.1	171.5	174.8	172.2	
FINAL PRODUCTS	47.82	147.1	157.5	152.5	149.1	152.4	157.3	158.0	157.5	158.6	167.0	163.4	168.6	172.7	170.4	
CONSUMER GOODS	27.68	151.7	163.6	154.6	148.3	153.1	158.7	159.8	159.1	158.6	167.7	161.0	167.8	171.6	169.0	
EQUIPMENT	20.14	140.8	149.2	149.6	150.3	151.5	155.3	155.6	155.3	158.5	166.0	166.6	169.7	174.2	172.3	
INTERMEDIATE PRODUCTS	12.89	156.6	170.4	165.2	159.2	160.2	166.0	168.0	169.1	170.3	177.4	176.3	182.1	182.7	178.8	
MATERIALS	39.29	145.2	155.6	154.0	151.8	154.7	161.8	163.5	163.1	162.9	165.0	157.2	163.0	163.5	163.9	
CONSUMER GOODS																
DURABLE CONSUMER GOODS	7.89	147.5	167.9	157.0	147.7	158.2	166.4	169.2	165.8	162.3	168.9	148.5	157.3	166.3	171.0	
AUTOMOTIVE PRODUCTS	2.83	158.2	188.5	173.5	161.9	181.4	190.0	198.9	188.8	183.5	193.4	156.6	164.4	176.1	189.4	
AUTOS & UTILITY VEHICLES	2.03	134.0	168.7	151.2	135.4	159.6	172.9	184.5	170.5	164.3	173.4	126.5	132.5	145.7	163.3	
AUTOS, TOTAL	1.90	117.4	147.2	131.5	118.3	137.9	150.1	161.1	144.3	140.2	147.5	108.5	109.8	122.2	139.3	
AUTO PARTS & ALLIED GOODS	.80	219.6	238.6	230.0	229.0	236.5	233.5	235.3	235.1	232.2	244.3	233.1	245.3	253.3	255.8	
HOME GOODS	5.06	141.4	156.4	147.8	139.8	145.2	153.1	152.6	153.0	150.4	155.2	143.9	153.3	160.7	160.7	
APPLIANCES, AIR COND & TV	1.40	116.4	144.2	122.5	104.8	134.9	141.9	141.2	143.1	136.7	136.3	120.7	126.7	143.1	152.0	
APPLIANCES AND TV	1.33	120.1	150.1	127.4	108.2	137.6	144.2	143.1	143.5	137.7	138.8	124.4	132.4	149.0		
CARPETING AND FURNITURE	1.07	178.1	194.2	186.9	182.1	173.9	183.3	182.6	183.1	176.5	182.1	161.9	181.7	188.3		
MISC. HOME GOODS	2.59	139.9	147.4	145.3	141.3	139.0	146.7	146.5	145.9	147.0	154.3	149.1	156.0	159.0	154.4	
NONDURABLE CONSUMER GOODS	19.79	153.4	161.9	153.7	148.5	151.1	155.7	156.1	156.4	157.1	167.2	166.0	172.0	173.7	168.2	
CLOTHING	4.29															
CONSUMER STAPLES	15.50	163.7	171.9	163.1	159.4	160.5	162.6	162.9	163.5	165.5	177.0	180.0	183.5	185.5	179.1	
CONSUMER FOODS & TOBACCO	8.33	153.5	164.5	154.5	147.3	147.6	151.2	154.2	155.6	157.9	166.7	164.0	169.6			
NONFOOD STAPLES	7.17	175.4	180.5	173.0	173.3	175.6	175.7	173.1	172.6	174.2	189.0	198.7	199.6	199.2	186.9	
CONSUMER CHEMICAL PROD.	2.63	231.0	247.0	230.6	216.8	215.4	219.4	219.9	225.1	229.0	254.2	263.4	260.4	264.3		
CONSUMER PAPER PRODUCTS	1.92	132.7	141.1	133.9	130.7	130.7	135.8	136.7	138.8	140.8	150.1	159.2	163.6	161.8		
CONSUMER ENERGY PROD.	2.62	150.9	142.7	144.0	161.0	168.5	161.0	152.8	144.8	143.8	152.2	162.6	164.9	161.2		
RESIDENTIAL UTILITIES	1.45	173.4	158.1	155.0	188.6	207.3	187.8	175.6	160.8	155.0	168.2	190.1	195.3			
EQUIPMENT																
BUSINESS EQUIPMENT	12.63	153.3	164.8	164.0	163.3	165.5	170.6	170.7	169.4	173.9	184.8	186.0	189.9	195.7	192.2	
INDUSTRIAL EQUIPMENT	6.77	120.4	127.5	129.8	129.4	130.9	135.0	135.0	133.7	136.2	142.5	141.4	143.6	147.5	145.3	
BUILDING AND MINING EQUIP.	1.44	159.3	170.2	179.7	186.6	184.2	179.7	172.2	170.0	179.3	185.8	188.6	190.9	196.4	197.1	
MANUFACTURING EQUIPMENT	3.85	107.1	114.1	114.8	112.5	116.1	122.7	125.9	124.5	125.2	131.3	128.5	130.9	134.3	130.6	
POWER EQUIPMENT	1.47	117.1	120.7	120.3	117.2	117.2	123.3	122.1	122.3	122.9	129.3	129.1	130.6	134.2	132.5	
COMM'L, TRANSIT, FARM EQ	5.86	191.3	207.9	203.5	202.6	205.5	211.8	212.0	210.7	217.4	233.6	237.4	243.5	251.3	246.5	
COMMERCIAL EQUIPMENT	3.26	273.2	297.5	290.4	287.5	289.2	299.0	296.4	299.1	307.0	332.8	343.8	353.0	365.6	356.2	
TRANSIT EQUIPMENT	1.93	95.2	103.4	103.1	104.8	110.2	110.7	115.6	106.7	114.3	119.5	113.9	117.6	119.3	121.1	
FARM EQUIPMENT	.67	69.5	73.2	70.2	71.0	72.1	78.8	79.3	79.9	78.8	79.6	75.7	73.0	75.3		
DEFENSE AND SPACE EQUIPMENT	7.51	119.9	122.8	125.3	128.4	127.9	129.4	130.1	131.5	132.7	134.3	133.5	135.7	138.0	138.9	
INTERMEDIATE PRODUCTS																
CONSTRUCTION SUPPLIES	6.42	142.5	155.8	152.2	144.7	146.8	155.5	159.8	161.7	161.1	165.7	159.7	163.4	164.7	162.4	
BUSINESS SUPPLIES	6.47	170.7	184.9	178.1	173.7	173.5	176.3	176.2	176.5	179.5	189.0	192.8	200.7	200.6		
COMMERCIAL ENERGY PRODUCTS	1.14	184.3	186.0	178.0	181.7	194.4	186.0	178.6	177.6	180.6	198.3	211.5	212.7	205.5		
MATERIALS																
DURABLE GOODS MATERIALS	20.35	138.6	151.4	150.2	150.0	150.8	160.0	163.0	163.5	164.3	165.7	157.7	162.9	164.5	165.7	
DURABLE CONSUMER PARTS	4.58	113.6	127.2	127.7	130.9	129.6	134.2	135.3	135.1	134.1	136.1	128.0	133.3	133.6	135.2	
EQUIPMENT PARTS	5.44	176.4	189.4	194.0	197.3	197.4	204.8	208.6	210.7	212.1	215.7	212.0	215.8	218.2	216.7	
DURABLE MATERIALS NEC	10.34	129.9	142.1	137.0	133.5	135.6	147.9	151.2	151.1	152.6	152.6	142.2	148.2	150.0	151.3	
BASIC METAL MATERIALS	5.57	90.2	98.1	91.4	90.6	97.3	106.9	111.6	111.5	111.0	107.7	94.2	96.8	97.9		
NONDURABLE GOODS MATERIALS	10.47	174.5	189.5	184.8	172.2	177.7	188.0	190.0	188.9	188.4	189.2	175.3	185.3	187.9	191.3	
TEXTILE, PAPER, & CHEM MAT	7.62	182.6	198.0	194.3	181.4	186.3	198.0	199.8	199.4	199.1	198.6	184.4	194.3	197.1	198.6	
TEXTILE MATERIALS	1.85	116.2	132.1	122.6	111.3	116.6	121.3	123.0	118.5	125.3	123.2	101.8	127.0	122.1		
PAPER MATERIALS	1.62	158.2	169.1	168.1	149.8	165.0	173.9	172.0	170.4	171.2	172.4	161.6	169.0	169.1		
CHEMICAL MATERIALS	4.15	221.7	238.7	236.6	225.1	225.7	241.7	244.9	247.0	243.0	242.6	230.2	234.2	241.6		
CONTAINERS, NONDURABLE	1.70	167.9	182.8	171.1	153.5	167.5	178.7	182.1	178.1	175.3	183.1	168.4	180.7	180.5		
NONDURABLE MATERIALS NEC	1.14	130.5	142.8	141.9	138.6	135.4	135.6	136.6	134.4	136.7	135.7	124.8	132.2	137.8		
ENERGY MATERIALS	8.48	124.8	123.7	125.0	131.2	135.8	133.7	132.1	130.2	128.1	133.2	133.7	135.6	130.9	125.9	
PRIMARY ENERGY	4.65	114.7	113.7	115.0	116.8	119.6	122.6	120.9	120.9	120.4	121.0	119.9	122.0	120.7		
CONVERTED FUEL MATERIALS	3.82	137.0	135.8	137.0	148.8	155.4	147.2	145.7	141.6	137.5	147.9	150.8	152.2	143.1		
SUPPLEMENTARY GROUPS																
HOME GOODS AND CLOTHING	9.35	129.9	142.3	134.9	125.8	132.3	142.9	142.9	142.9	139.7	144.5	130.9	142.9	147.2	146.1	
ENERGY, TOTAL	12.23	135.9	133.5	134.0	142.2	148.2	144.4	140.8	137.8	136.4	143.3	147.2	149.0	144.3	135.9	
PRODUCTS	3.76	161.0	155.8	154.3	167.1	176.3	168.6	160.6	154.8	155.0	166.2	177.5	179.4	174.7		
MATERIALS	8.48	124.8	123.7	125.0	131.2	135.8	133.7	132.1	130.2	128.1	133.2	133.7	135.6	130.9	125.9	

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

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967	1983	1983	1984												
		PRO- TION	PCR- AVG.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	
MINING AND UTILITIES		12.05	142.9	145.8	147.2	151.5	151.4	148.9	150.4	151.3	152.1	154.1	154.4	153.1	152.9	150.4	
MINING		6.36	116.6	118.3	121.1	123.7	124.8	124.1	123.8	123.3	125.0	127.0	129.9	128.5	128.4	123.7	
UTILITIES		5.69	172.4	176.5	176.3	182.5	181.0	176.5	180.0	182.7	182.3	184.3	181.8	180.6	180.2	180.3	
MANUFACTURING		187.95	148.2	156.2	156.4	156.8	159.5	161.4	162.1	163.4	164.2	165.7	167.3	167.8	166.9	167.2	
NONDURABLE		135.97	168.1	175.6	174.8	173.9	175.2	177.2	177.6	179.1	179.9	181.3	181.8	181.7	180.8	181.4	
DURABLE		51.98	134.5	142.8	143.6	145.0	148.6	150.5	151.4	152.6	153.3	154.9	157.2	158.1	157.2	157.3	
MINING																	
METAL MINING	10	.51	80.9	81.0	84.6	82.3	89.4	97.4	100.0	98.5	98.0	96.8	96.4	83.4	81.3		
COAL	11, 12	.69	136.3	142.7	144.8	145.2	151.5	163.2	164.0	151.4	153.9	161.5	176.5	171.7	173.7	129.6	
OIL AND GAS EXTRACTION	13	4.40	116.6	117.3	119.8	123.4	123.1	119.6	118.2	118.8	120.4	121.6	122.8	122.8	122.4	122.8	
STONE AND EARTH MINERALS	14	.75	122.8	127.4	132.2	133.9	134.8	133.0	135.8	140.4	144.0	147.9	151.9	153.5	154.0		
NONDURABLE MANUFACTURES																	
FOODS	20	8.75	156.4	157.6	157.1	157.7	159.4	160.0	161.2	163.1	164.2	165.1	164.9	164.6			
TOBACCO PRODUCTS	21	.67	112.1	109.1	109.5	112.3	116.4	110.9	111.8	113.3	112.8	118.3	115.1	113.8			
TEXTILE MILL PRODUCTS	22	2.68	140.8	148.7	145.8	145.0	143.9	142.3	143.5	140.0	140.5	140.7	139.8	140.5	138.4		
APPAREL PRODUCTS	23	3.31															
PAPER AND PRODUCTS	26	3.21	164.3	171.5	172.1	170.1	172.3	176.6	173.8	172.4	174.1	174.6	176.7	176.8	177.2	178.5	
PRINTING AND PUBLISHING	27	4.72	152.5	162.7	162.0	161.7	163.4	164.8	165.2	166.3	167.5	169.0	172.6	174.1	173.8	174.0	
CHEMICALS AND PRODUCTS	28	7.74	125.0	128.4	125.6	122.1	121.5	124.8	125.0	128.3	127.9	131.0	132.0	131.5	130.0		
PETROLEUM PRODUCTS	29	1.79	120.3	123.6	125.4	114.4	118.8	127.6	127.0	126.8	127.9	127.5	124.7	124.3	122.9	124.9	
RUBBER & PLASTICS PRODUCTS	30	2.24	129.9	130.8	130.9	131.4	131.7	131.5	132.8	132.0	134.1	134.0	134.1	134.5	133.8		
LEATHER AND PRODUCTS	31	.86	61.9	64.0	63.2	66.0	61.4	63.9	63.9	63.5	61.4	60.0	60.6	59.9	60.6		
DURABLE MANUFACTURES																	
ORDNANCE, PVT & GOVT	19, 91	3.64	95.4	98.8	99.3	99.8	99.7	99.6	100.6	101.4	100.8	101.7	102.7	105.0	106.3	107.3	
LUMBER AND PRODUCTS	24	1.64	137.2	141.7	141.0	143.8	146.0	145.6	149.3	151.2	146.3	148.5	146.0	148.8	150.4		
FURNITURE AND FIXTURES	25	1.37	170.5	181.0	177.5	177.9	183.8	185.6	184.6	186.6	190.5	191.9	192.6	195.5	195.0		
CLAY, GLASS, STONE PROD	32	2.74	143.4	151.9	152.7	153.8	157.8	160.4	160.2	160.0	160.6	159.7	160.9	161.3	159.5		
PRIMARY METALS	33	6.57	85.4	95.3	92.2	90.4	93.2	98.4	97.5	99.3	98.2	97.9	94.5	95.3	93.3	94.0	
IRON AND STEEL	331, 2	4.21	71.5	84.3	79.2	74.1	80.7	86.0	84.4	84.0	83.5	83.5	76.5	77.5	75.5		
FABRICATED METAL PROD	34	5.93	120.2	126.9	128.5	129.2	131.7	132.8	134.9	135.5	136.5	138.7	140.6	140.2	139.6	139.9	
NONELECTRICAL MACHINERY	35	9.15	150.6	159.2	161.8	164.3	169.5	170.9	171.9	174.9	178.8	182.0	186.9	189.6	189.7	190.9	
ELECTRICAL MACHINERY	36	8.05	185.5	198.4	200.1	201.5	206.2	209.9	212.0	214.6	214.5	216.0	221.5	221.4	222.3	221.5	
TRANSPORTATION EQUIP	37	9.27	117.8	125.5	127.3	130.8	134.9	135.2	135.8	134.5	135.0	137.2	140.6	141.2	137.0	136.6	
MOTOR VEHICLES & PTS	371	4.50	137.1	150.9	152.9	158.9	166.3	164.4	165.8	161.9	163.0	165.3	169.0	169.9	160.6	159.0	
AEROSPACE & MISC	372-9	4.77	99.6	101.6	103.2	104.3	105.3	107.7	107.5	108.8	108.6	110.8	113.8	114.2	114.8	115.5	
INSTRUMENTS	38	2.11	158.7	163.0	163.0	164.6	167.8	168.6	169.7	171.0	171.8	174.5	176.7	177.4	177.7	177.8	
MISCELLANEOUS MFRS	39	1.51	146.2	149.1	148.9	149.3	151.1	152.0	152.3	152.1	151.5	150.8	152.4	149.2	148.2	147.5	
UTILITIES																	
ELECTRIC		3.88	196.0	200.7	200.2	208.0	206.8	200.0	204.6	207.7	206.8	209.6	205.9	204.0	203.5	203.3	

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

	1983		1984									
	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.
CHANGE FROM PREVIOUS MONTH												
TOTAL INDEX	.2	.6	1.5	.9	.5	.8	.4	1.0	.9	.1	-.5	.0
FINAL PRODUCTS	.3	1.3	1.5	.3	.4	1.0	.6	1.2	1.3	.0	-.2	.2
CONSUMER GOODS	-.5	1.0	1.1	-.1	.5	.7	.2	.8	.5	-.8	-.6	.2
DURABLE CONSUMER GOODS	-.5	1.7	3.0	-.6	.4	-.6	-.5	1.4	.1	-.6	-.6	-.1
NONDURABLE CONSUMER GOODS	-.6	.8	.4	.2	.6	1.3	.4	.6	.7	-.9	-.1	.3
BUSINESS EQUIPMENT	1.7	2.0	2.0	.7	.1	.8	1.7	2.6	2.4	1.2	.1	.3
INTERMEDIATE PRODUCTS	-.6	-.1	1.5	.7	.7	.5	.4	1.1	1.3	-.3	-.5	-.3
MATERIALS	.3	.0	1.4	1.8	.6	.7	.3	.6	.4	.5	-.9	-.4
DURABLE GOODS MATERIALS	.6	.7	2.2	2.6	.6	1.1	.2	.9	.7	.9	-.1	-.1
NONDURABLE GOODS MATERIALS	-.3	-2.4	.5	1.6	1.0	-.1	.9	-.4	-.1	.2	-.7	.2
MANUFACTURING	.1	.3	1.7	1.2	.4	.8	.5	.9	1.0	.3	-.5	.2
NONDURABLE	-.5	-.5	.7	1.1	.2	.8	.4	.8	.3	-.1	-.5	.3
DURABLE	.6	1.0	2.5	1.3	.6	.8	.5	1.0	1.5	.6	-.6	.1
MINING AND UTILITIES	1.0	2.9	-.1	-1.7	1.0	.6	.5	1.3	.2	-.8	-.1	-1.6
CHANGE FROM SAME MONTH A YEAR AGO												
TOTAL INDEX	15.1	15.5	15.4	15.9	14.9	13.7	12.7	12.3	10.8	9.4	7.4	6.6
FINAL PRODUCTS	10.8	11.3	12.4	13.8	13.4	12.2	11.5	11.4	10.9	9.6	8.4	8.3
CONSUMER GOODS	10.5	11.1	11.1	11.2	11.0	9.3	7.5	7.0	5.8	4.0	2.7	3.2
DURABLE CONSUMER GOODS	25.1	26.0	24.2	20.9	19.7	15.4	10.9	9.7	7.1	5.6	1.7	2.2
NONDURABLE CONSUMER GOODS	5.5	6.0	6.5	7.6	7.9	7.0	6.2	5.9	5.3	3.4	3.2	3.6
BUSINESS EQUIPMENT	12.1	13.0	16.4	20.5	19.8	18.1	19.5	20.6	21.0	19.9	18.5	16.9
INTERMEDIATE PRODUCTS	16.7	16.9	16.8	16.3	15.2	13.4	12.7	12.3	11.2	8.0	5.4	4.4
MATERIALS	20.3	20.9	18.6	18.2	16.6	15.6	14.3	13.4	10.6	9.8	7.0	5.3
DURABLE GOODS MATERIALS	29.1	29.9	27.2	26.6	23.9	21.8	20.0	19.0	16.4	14.9	11.1	9.5
NONDURABLE GOODS MATERIALS	17.5	15.9	13.5	12.3	11.0	10.1	8.9	7.1	5.4	4.9	1.8	.3
MANUFACTURING	16.7	16.6	16.7	16.8	15.5	14.2	13.2	12.4	11.1	9.8	7.6	7.0
NONDURABLE	12.6	11.8	11.3	11.4	10.5	9.7	8.8	8.0	6.6	5.1	3.6	3.3
DURABLE	20.4	20.9	21.3	21.5	19.9	18.2	17.0	16.3	14.9	13.9	11.0	10.2
MINING AND UTILITIES	4.8	8.1	7.1	8.3	9.2	8.9	8.9	10.4	7.4	4.9	4.4	3.2

Table 2B

INDUSTRIAL PRODUCTION: INDUSTRY GROUPINGS

Not seasonally adjusted, 1967=100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967 PRO-1983 POR-1983 AVG.				1984											
		TION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.		
MINING AND UTILITIES		12.05	142.9	141.6	142.6	152.6	158.4	152.7	149.1	145.6	145.5	152.5	156.8	158.9	154.3	146.1	
MINING		6.36	116.6	120.5	122.7	123.2	123.2	124.1	123.3	125.8	127.7	126.2	128.7	129.4	125.4		
UTILITIES		5.69	172.4	165.1	164.8	185.7	197.7	184.7	178.0	171.4	167.5	180.2	191.1	192.9	182.1	169.2	
MANUFACTURING		87.95	148.2	160.7	156.1	150.9	153.9	161.2	163.2	163.3	164.0	169.5	163.5	169.0	172.4	172.0	
NONDURABLE		35.97	168.1	182.1	173.9	164.5	166.8	175.4	177.1	177.6	178.7	185.9	179.7	186.7	189.9	188.7	
DURABLE		51.98	134.5	145.9	143.8	141.4	145.0	151.3	153.6	153.4	153.8	158.2	152.3	156.7	160.3	160.4	
MINING																	
METAL MINING	10	5.51	80.9	81.4	81.2	76.6	83.4	94.6	97.0	98.5	103.9	103.3	96.4	86.5	85.0		
COAL	11,12	6.69	136.3	150.4	144.8	135.6	141.2	161.8	168.4	155.0	158.0	167.5	154.6	177.5	180.7	138.7	
OIL AND GAS EXTRACTION	13	4.40	116.6	118.2	121.6	124.7	124.2	121.2	117.4	117.4	119.2	120.4	121.3	121.8	122.0	122.8	
STONE AND EARTH MINERALS	14	7.75	122.8	133.7	137.1	134.4	128.1	126.6	133.9	139.0	149.6	150.4	149.3	153.0	155.6		
NONDURABLE MANUFACTURES																	
FOODS	20	8.75	156.4	168.2	158.2	153.0	151.6	154.2	156.8	158.2	160.3	167.9	166.5	171.1			
TOBACCO PRODUCTS	21	6.67	112.1	119.6	112.2	89.4	119.4	117.0	116.0	108.7	107.4	125.9	100.4	119.4			
TEXTILE MILL PRODUCTS	22	2.68	140.8	157.9	144.7	134.6	133.1	139.7	143.9	142.1	143.9	147.7	129.7	146.2	147.0		
APPAREL PRODUCTS	23	3.31															
PAPER AND PRODUCTS	26	3.21	164.3	177.7	170.6	155.6	172.1	179.6	179.0	178.1	176.1	177.9	166.8	175.3	176.3	185.8	
PRINTING AND PUBLISHING	27	4.72	152.5	169.1	160.2	153.1	149.0	155.4	156.1	157.6	163.1	173.8	183.3	191.5	190.9	181.8	
CHEMICALS AND PRODUCTS	28	7.74	1215.0	230.5	222.6	210.0	211.8	222.3	225.9	229.1	229.0	237.9	233.4	234.3	238.7		
PETROLEUM PRODUCTS	29	1.79	120.3	123.6	127.2	117.3	116.4	123.4	120.6	121.4	125.3	130.4	128.4	127.2	126.9	125.3	
RUBBER & PLASTICS PRODUCTS	30	2.24	291.9	320.1	310.1	305.0	304.5	332.0	336.1	329.2	332.4	342.7	315.8	334.7	346.7		
LEATHER AND PRODUCTS	31	8.86	61.9	67.5	63.0	61.9	60.8	66.2	66.0	63.8	63.1	61.1	51.8	60.3	62.1		
DURABLE MANUFACTURES																	
ORDNANCE, PVT & GOVT	19,91	3.64	95.4	97.3	97.8	100.2	99.7	99.7	101.5	101.3	101.7	103.0	101.4	104.3	106.0	105.7	
LUMBER AND PRODUCTS	24	1.64	137.2	149.2	139.9	132.6	140.0	145.7	150.0	152.3	146.0	152.4	143.3	154.1	156.4		
FURNITURE AND FIXTURES	25	1.37	178.5	183.0	178.9	178.3	179.8	194.0	188.5	186.4	185.0	191.9	175.8	197.9	202.6		
CLAY, GLASS, STONE PROD	32	2.74	143.4	158.6	156.1	146.1	145.9	152.3	157.0	161.3	162.4	164.6	161.9	167.4	164.8		
PRIMARY METALS	33	6.57	85.4	94.3	86.7	84.8	92.0	101.7	105.2	105.7	104.8	101.1	87.4	91.4	91.0	92.9	
IRON AND STEEL	331,2	4.21	71.5	82.7	73.6	68.5	79.5	88.2	90.4	90.7	90.9	86.0	72.1	74.6	72.5		
FABRICATED METAL PROD	34	5.93	120.2	125.1	129.7	128.1	127.6	135.2	137.2	135.4	135.3	139.9	136.9	140.5	142.4	141.1	
NONELECTRICAL MACHINERY	35	9.15	150.6	162.9	161.8	159.8	163.7	171.1	172.0	172.8	175.6	186.0	188.4	191.5	197.3	194.0	
ELECTRICAL MACHINERY	36	8.95	185.5	203.4	202.7	198.8	204.7	210.5	212.1	213.8	214.0	218.7	214.1	219.0	226.3	227.5	
TRANSPORTATION EQUIP	37	9.27	117.8	130.9	128.6	127.4	133.4	137.6	141.9	137.6	138.1	142.4	128.9	131.9	136.4	141.4	
MOTOR VEHICLES & PTS	371	4.50	137.1	161.5	154.2	150.3	163.5	170.0	177.7	167.8	168.6	175.5	147.8	154.7	159.4	167.9	
AEROSPACE & MISC	372-9	4.77	99.6	102.1	104.4	105.7	105.1	107.2	108.1	109.2	109.3	111.2	111.1	110.4	114.8	116.3	
INSTRUMENTS	38	2.11	158.7	168.3	165.1	164.6	162.9	165.9	167.0	167.6	170.6	177.9	177.6	179.3	182.3	180.1	
MISCELLANEOUS MFRS	39	1.51	146.2	155.1	150.5	144.2	140.5	149.4	145.8	150.6	150.0	154.0	150.6	156.1	158.6	151.9	
UTILITIES																	
ELECTRIC		3.88	196.0	187.3	184.1	208.4	224.7	205.4	197.4	189.7	187.0	207.6	224.2	226.2	210.6	190.5	

Table 3B

INDUSTRIAL PRODUCTION: HISTORICAL DATA

Seasonally adjusted, 1967=100

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Q I	Q II	Q III	Q IV	ANNUAL
INDEX																	
67	99.8	99.0	98.5	99.2	98.7	98.4	98.7	100.0	100.3	101.2	102.6	103.5	99.1	98.8	99.7	102.4	100.0
68	103.7	104.3	104.7	104.9	106.2	106.6	106.5	107.1	107.1	107.4	108.6	108.8	104.2	105.9	106.9	108.3	106.3
69	109.5	110.2	110.8	110.6	110.3	111.2	111.8	112.3	112.3	112.5	111.4	111.2	110.2	110.7	112.1	111.7	111.1
70	109.1	108.8	108.8	108.6	108.3	108.1	108.4	108.3	107.6	105.4	104.8	107.2	108.9	108.3	108.1	105.8	107.8
71	108.1	108.0	108.0	108.5	109.1	109.6	109.8	108.9	110.3	110.9	111.3	112.3	108.0	109.1	109.7	111.5	109.6
72	114.6	115.3	116.5	117.7	118.1	118.7	119.3	120.7	121.8	123.4	124.4	125.8	115.5	118.2	120.6	124.5	119.7
73	126.3	127.8	128.5	128.5	129.6	129.9	130.4	130.4	131.1	131.4	131.6	131.3	127.5	129.3	130.6	131.4	129.8
74	129.9	129.6	130.0	129.9	131.3	131.9	131.8	131.7	131.8	129.5	124.9	119.3	129.8	131.0	131.8	124.6	129.3
75	115.2	112.7	111.7	112.6	113.7	116.4	118.4	121.0	122.1	122.2	123.5	124.4	113.2	114.2	120.5	123.4	117.8
76	126.1	128.1	128.7	129.0	130.1	130.7	131.2	132.0	131.3	131.3	132.6	133.6	127.6	129.9	131.5	132.5	130.5
77	133.7	134.5	136.3	137.1	138.0	138.9	139.0	139.3	139.6	140.1	140.3	140.5	134.9	138.0	139.3	140.3	138.1
78	140.0	140.3	142.1	144.4	144.8	146.1	147.1	148.0	148.6	149.7	150.6	151.8	140.8	145.1	147.9	150.7	146.1
79	152.0	152.5	153.5	151.1	152.7	153.0	153.0	152.1	152.7	152.7	152.3	152.5	152.6	152.2	152.6	152.5	152.5
80	153.0	152.8	152.1	148.2	143.8	141.4	140.3	142.2	144.4	146.6	149.2	150.4	152.7	144.5	142.3	148.8	147.1
81	151.4	151.8	152.1	151.9	152.7	152.9	153.9	153.6	151.6	149.1	146.3	143.4	151.8	152.5	153.0	146.3	151.0
82	140.7	142.9	141.7	140.2	139.2	138.7	138.8	138.4	137.3	135.7	134.9	135.2	141.7	139.4	138.2	135.2	138.6
83	137.4	138.1	140.0	142.6	144.4	146.4	149.7	151.8	153.8	155.0	155.3	156.2	138.5	144.5	151.8	155.5	147.6
CHANGE*																	
67	0.2	-0.8	-0.5	0.7	-0.5	-0.3	0.3	1.3	0.3	0.9	1.4	0.9	-0.6	-0.3	0.9	2.7	2.2
68	0.2	0.6	0.4	0.2	1.2	0.4	-0.1	0.6	0.0	0.3	1.1	0.2	1.8	1.6	0.9	1.3	6.3
69	0.6	0.6	0.5	-0.2	-0.3	0.8	0.5	0.4	0.0	0.2	-1.0	-0.2	1.8	0.5	1.3	-0.4	4.5
70	-1.9	-0.3	0.0	-0.2	-0.3	-0.2	0.3	-0.1	-0.6	-2.0	-0.6	2.3	-2.5	-0.6	-0.2	-2.1	-3.0
71	0.8	-0.1	0.0	0.5	0.6	0.5	-0.2	-0.8	1.3	0.5	0.4	0.9	2.1	1.0	0.5	1.6	1.7
72	2.0	0.6	1.0	1.0	0.3	0.5	0.5	1.2	0.9	1.3	0.8	1.1	3.6	2.3	2.0	3.2	9.2
73	0.4	1.2	0.5	0.0	0.9	0.2	0.4	0.0	0.5	0.2	0.2	-0.2	2.4	1.4	1.0	0.6	8.4
74	-1.1	-0.2	0.3	-0.1	1.1	0.5	-0.1	-0.1	0.1	-1.7	-3.6	-4.5	-1.2	0.9	0.6	-5.5	-0.4
75	-3.4	-2.2	-0.9	0.8	1.0	2.4	1.7	2.2	0.9	0.1	1.1	0.7	-9.1	0.9	5.5	2.4	-8.9
76	1.4	1.6	0.5	0.2	0.9	0.5	0.4	0.6	-0.5	0.0	1.0	0.8	3.4	1.8	1.2	0.8	10.8
77	0.1	0.6	1.3	0.6	0.7	0.7	0.1	0.2	0.2	0.4	0.1	0.1	1.8	2.3	0.9	0.7	5.8
78	-0.4	0.2	1.3	1.6	0.3	0.9	0.7	0.6	0.4	0.7	0.6	0.8	0.4	3.1	1.9	1.9	5.8
79	0.1	0.3	0.7	-1.6	1.1	0.2	0.0	-0.6	0.4	0.0	-0.3	0.1	1.3	-0.3	0.3	-0.1	4.4
80	0.3	-0.1	-0.5	-2.6	-3.0	-1.7	-0.8	1.4	1.5	1.5	1.8	0.8	0.1	-5.4	-1.5	4.6	-3.5
81	0.7	0.3	0.2	-0.1	0.5	0.1	0.7	-0.2	-1.3	-1.6	-1.9	-2.0	2.0	0.5	0.3	-4.4	2.7
82	-1.9	1.6	-0.8	-1.1	-0.7	-0.4	0.1	-0.3	-0.8	-1.2	-0.6	0.2	-3.1	-1.6	-0.9	-2.2	-8.2
83	1.6	0.5	1.4	1.9	1.3	1.4	2.3	1.4	1.3	0.8	0.2	0.6	2.4	4.3	5.1	2.4	6.5

Table 4A

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1983	1983	1984											
		PRO- TION	PCR- AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
METAL MINING	10	.51														
IRON ORE	101,6	.24	54.3	55.4	63.1	57.6	51.6	63.4	79.7	81.3	84.0	77.4	75.6	80.9	65.7	
NONFERROUS ORES	102-5,8,9	.27	104.5	107.9	101.6	110.6	108.2	111.4	108.9	108.4	100.7	102.6	108.2	123.6	106.9	
COPPER ORE	102	.14	121.8	126.9	114.8	129.3	124.5	125.6	118.2	118.8	115.1	117.2	131.9	154.0	122.8	
LEAD AND ZINC ORES	103	.03	72.4	73.9	71.6	73.4	67.6	79.2	73.9	72.1	49.5	54.8	38.0	57.4	47.3	
ANTHRACITE	11	.03	37.0	37.8	39.4	36.1	40.2	37.2	46.1	37.6	37.8	35.5	35.9	42.1	38.3	38.6
BITUMINOUS COAL	12	.66	140.3	134.0	138.5	144.1	154.0	174.6	174.4	172.0	156.6	149.6	159.0	186.2	188.3	166.5
OIL AND GAS EXTRACTION	13	4.40														
CRUDE OIL & NATURAL GAS	131	3.61	95.0	94.7	94.1	94.5	95.3	97.0	95.5	94.8	97.7	96.6	96.4	96.7	96.5	96.8
CRUDE OIL, TOTAL		2.94	95.1	95.4	94.4	94.0	94.6	96.4	94.6	93.5	97.0	95.7	95.5	96.5	96.3	96.7
ALASKA, CALIF. CRUDE		.31	265.6	265.1	260.7	259.4	263.7	266.7	268.1	266.3	282.4	273.7	279.3	274.6	269.2	272.1
TEXAS CRUDE		1.07	80.6	79.5	79.9	79.2	79.8	81.7	80.5	78.7	80.8	81.4	80.1	81.2	81.7	81.9
LA. AND OTHER CRUDE		1.57	71.7	73.1	71.9	71.8	71.7	73.3	70.4	69.9	71.9	70.8	70.1	72.1	72.5	72.7
NATURAL GAS		.67	94.7	91.5	92.9	96.7	98.5	99.6	99.2	100.7						
NATURAL GAS LIQUIDS	132	.30														
LP PROPANE		.04														
LP MATERIALS		.26														
OIL AND GAS DRILLING	138	.50	280.5	277.9	291.6	312.5	338.4	331.5	312.0	294.6	284.2	305.6	311.8	314.7	313.3	310.4
FOODS	20	8.75														
MEAT PRODUCTS	201	1.17	123.5	124.2	127.1	124.0	125.5	121.9	122.4	123.1	124.9	132.0	126.5	126.8	122.5	121.3
BEEF		.40	114.4	121.7	119.4	113.7	118.9	111.0	112.0	113.8	114.8	124.9	120.7	120.5	117.7	118.2
PORK		.55	121.0	120.9	127.9	125.6	124.9	118.5	116.2	117.7	117.9	125.3	122.2	120.7	115.2	115.3
MISC. MEATS		.22	145.8	136.6	138.8	138.6	138.7	150.1	156.4	152.9	160.5	161.4	147.9	152.9	149.0	142.0
DAIRY PRODUCTS	202	1.14	143.1	145.2	146.7	148.3	146.7	144.5	144.3	143.4	142.4	142.0	140.3	141.4	141.3	143.9
BUTTER	2021	.04	106.6	106.8	108.2	109.5	103.5	103.8	98.1	98.1	93.1	83.8	76.9	80.1	84.5	93.5
CHEESE	2022	.07	348.5	367.7	381.7	389.6	383.7	362.8	350.5	347.4	337.9	334.0	321.6	329.5	331.4	346.4
CONCENTRATED MILK	2023	.12	68.4	70.1	75.9	82.1	70.8	68.7	62.6	59.7	56.5	56.1	50.3	53.3	54.1	57.2
FROZEN DESSERTS	2024	.13	157.7	160.6	159.3	160.2	160.9	154.8	165.8	161.2	161.4	161.8	160.4	159.8	154.8	162.0
CANNED AND PROCESSED FOODS	203	1.18	180.6	177.9	180.1	175.0	180.3	177.4	185.8	190.9	197.7	190.9	199.3	206.1	206.7	193.2
GRAIN MILL PRODUCTS	204	.95	171.7	182.9	172.0	169.1	172.1	177.0	175.8	175.3	175.8	179.6	179.7	174.7	175.8	178.9
FLOUR & CORN MILL	2041,6	.28	124.6	129.3	124.3	119.5	119.7	123.1	125.4	125.6	121.3	126.7	127.6	113.0	115.0	126.5
BAKERY PRODUCTS	205	1.15	130.2	137.1	133.8	132.2	135.1	136.8	140.8	144.3	142.9	146.1	150.4	148.9	149.6	149.7
SUGAR	206	.21														
CONFECTIONERY	207	.41														
BEVERAGES	208	1.58	201.2	203.1	209.8	203.5	200.2	205.1	216.9	211.0	208.5	204.7	206.6	205.5	202.8	214.1
BEER AND ALE	2082,3	.52	166.4	164.8	175.6	169.0	151.4	164.6	170.6	182.1	162.6	166.3	165.9	170.8	156.8	
WINES AND BRANDY	2084	.07	316.2	351.4	398.5	290.8	292.7	261.8	284.7	285.4	333.4	304.0	306.3	326.9		
LIQUORS	2085	.24	123.8	133.2	136.3	115.9	109.7	121.4	125.9	119.1	127.3	124.0	124.6	121.1		
SOFT DRINKS	2086,7	.74	240.8	239.9	241.3	248.7	255.8	255.9	273.3	254.7	256.4	249.2	253.3	246.8	248.9	263.2
MISC. FOOD PREPARATIONS	209	.97	164.7	174.2	170.6	163.9	164.8	164.6	158.8	165.1	163.3	169.5	170.2	168.8	169.8	174.1
FATS AND OILS	2091-4,6	.30	147.8	163.5	150.1	139.1	139.4	143.0	136.5	139.3	142.4	147.5	144.2	137.7	136.0	140.8
COFFEE, MISC. FOOD	2095,7-9	.67	172.4	179.1	180.0	175.1	176.3	174.4	168.9	176.8	172.8	179.5	182.0	182.9	185.1	
TOBACCO PRODUCTS	21	.67														
CIGARETTES	211	.54	114.1	117.5	110.4	108.5	104.5	120.2	108.1	120.1	113.1	108.7	116.8	118.2	112.8	
CIGARS	212	.07	53.0	54.2	56.9	55.1	59.3	61.3	53.0	49.0	47.8	54.6	54.8	57.5	51.6	
TEXTILE MILL PRODUCTS	22	2.69														
FABRICS	221-4	1.05	102.4	116.6	112.6	103.9	103.9	96.5	96.4	101.0	98.2	100.9	105.6	113.9	110.1	104.9
COTTON FABRICS	221,4	.60	67.7	72.3	70.1	69.1	63.8	72.5	67.6	65.8	66.7	67.8	62.5	67.7	65.6	63.5
HAN-MADE FABRICS	222	.30														
WOOL FABRICS	223	.14														
KNIT GOODS	225	.63	187.2	192.9	195.6	185.3	204.5	197.1	190.3	200.4	183.1	182.8	186.9	198.8	180.3	191.5
HOSIERY	2251,2	.21	237.7	228.7	240.7	235.3	285.4	265.1	239.5	262.6	224.5	240.4	231.6	262.9	211.8	253.7
KNIT GARMENTS	2253-9	.42	161.6	174.7	172.7	160.0	163.4	162.6	165.4	168.9	162.0	153.5	164.2	166.3	164.3	160.0
FABRIC FINISHING	226	.23	121.5	122.8	129.4	130.7	123.3	120.2	129.8	126.3	122.9	123.8	118.1	132.7	120.7	116.4
CARPETING	227	.20	223.9	235.0	228.3	224.5	222.5	199.9	166.0	185.7	187.7	187.2	188.4	192.0	177.2	178.1
YARN & MISC. TEXTILES	228,9	.57	139.5	150.8	155.7	150.8	145.4	143.4	150.7	152.9	144.0	153.8	145.3	139.6	155.0	156.3
APPAREL PRODUCTS	23	3.33														
MEN'S OUTERWEAR	231,2	1.06														
MEN'S SUITS AND COATS	231	.34														
MEN'S FURNISHINGS	232	.69														
WOMEN'S OUTERWEAR	233	1.05														
MISC. APP. & ALLIED GDS	234-9	1.20														
LUMBER AND PRODUCTS	24	1.64														
LOGGING AND LUMBER	241,2	.82	102.3	104.1	107.1	102.3	102.1	111.2	104.0	113.3	107.7	103.4	112.5	104.9	107.0	111.7
LUMBER	242	.59	92.4	90.6	95.5	91.8	98.4	102.1	94.6	107.0	101.0	93.4	106.3	96.2	96.9	
LUMBER PRODUCTS	243,4,9	.82	171.9	183.4	179.9	181.6	181.0	185.2	185.8	184.5	191.6	185.0	183.9	190.7	192.3	194.0
MILLWORK AND PLYWOOD	243	.50	198.9	212.3	208.7	211.6	207.7	213.5	216.0	214.2	226.7	216.7	214.5	228.8	226.5	
PLYWD, PREFAB PROD	2432,3	.29	234.8	246.7	242.8	247.4	240.8	247.9	252.7	245.0	264.8	249.8	245.1	270.7	266.4	
FURNITURE AND FIXTURES	25	1.37														
HOUSEHOLD FURNITURE	251	.87	168.3	175.4	175.2	173.1	175.1	177.6	178.2	180.6	176.5	177.5	179.8	180.3	180.2	180.5
FIXTURES, OFF. FURN.	252,4,9	.42	186.2	204.0	199.1	188.9	197.6	203.0	210.1	206.5	209.3	226.3	229.2	238.7	244.0	242.5

Table 4B

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967		1983		1983		1984								
		PRO- TION	AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
METAL MINING	101	.51														
IRON ORE	101.6	.24	54.3	55.5	54.8	47.5	43.9	51.6	75.2	78.9	88.1	96.9	96.6	88.6	68.7	
NONFERROUS ORES	102-5,8,9	.27	104.5	106.3	105.1	111.3	105.7	111.8	112.0	113.1	106.5	106.9	109.3	103.4	102.5	
COPPER ORE	102	.14	121.8	124.0	120.7	130.3	119.3	126.1	123.9	125.3	124.6	124.6	133.9	120.1	116.7	
LEAD AND ZINC ORES	103	.03	72.4	72.8	72.2	72.4	65.7	76.7	79.0	78.0	52.2	54.1	38.5	51.8	45.7	
ANTHRACITE	11	.03	37.0	41.7	42.7	39.5	35.5	32.7	40.6	39.4	36.2	37.0	37.4	36.8	42.2	42.6
BITUMINOUS COAL	12	.66	140.3	150.0	154.8	149.1	139.7	145.6	166.7	173.7	159.9	162.9	172.8	159.4	183.0	186.3
OIL AND GAS EXTRACTION	13	4.40														
CRUDE OIL & NATURAL GAS	131	3.61	95.0	94.1	94.2	94.9	95.7	96.7	96.8	95.2	97.0	96.3	96.0	96.3	96.2	96.2
CRUDE OIL, TOTAL		2.94	95.1	95.3	95.1	94.7	94.6	95.6	94.9	93.6	96.1	95.7	95.1	96.2	96.5	96.7
ALASKA, CALIF. CRUDE		.31	265.6	269.1	266.7	265.9	264.8	267.0	267.6	265.0	274.5	267.7	271.8	273.5	275.1	276.2
TEXAS CRUDE		1.07	80.6	79.3	80.2	79.4	80.0	80.8	80.6	79.2	81.0	81.5	80.0	81.0	81.4	81.7
LA. AND OTHER CRUDE		1.57	71.7	72.4	71.8	71.7	71.3	72.3	71.0	70.0	71.7	71.8	71.0	72.0	72.0	72.0
NATURAL GAS		.67	94.7	88.8	90.0	96.1	100.8	101.4	104.9	102.5						
NATURAL GAS LIQUIDS	132	.30														
LP PROPANE		.04														
LP MATERIALS		.26														
OIL AND GAS DRILLING	138	.50	280.5	283.5	299.8	323.8	349.9	336.1	307.6	286.9	272.8	294.6	306.8	310.9	315.5	316.6
FOODS	20	8.75														
MEAT PRODUCTS	201	1.17	123.5	128.9	136.7	132.7	123.5	120.4	120.4	124.4	123.9	125.1	124.6	115.9	123.6	126.2
BEEF		.40	114.4	124.6	125.7	115.5	115.0	114.0	115.5	113.1	110.4	117.8	120.7	115.3	120.8	121.0
PORK		.55	121.0	122.6	136.5	141.2	127.3	118.7	117.0	126.1	123.8	118.3	113.6	100.1	108.5	116.9
MISC. MEATS		.22	145.8	152.3	156.8	142.2	129.4	136.3	137.5	140.4	148.3	154.8	158.8	155.8	165.7	158.3
DAIRY PRODUCTS	202	1.14	143.1	142.4	139.8	139.0	139.5	138.0	141.6	144.7	146.9	148.8	151.4	147.1	143.7	141.5
BUTTER	2021	.04	106.6	81.8	97.5	96.0	103.2	122.4	114.6	105.8	107.6	98.8	79.6	70.8	65.9	71.6
CHEESE	2022	.07	348.5	334.3	338.7	346.7	363.4	336.0	342.8	359.2	373.8	381.1	378.9	339.2	322.8	316.7
CONCENTRATED MILK	2023	.12	68.4	59.1	58.0	59.9	61.7	60.9	60.3	60.7	66.3	70.5	68.2	61.8	52.9	48.2
FROZEN DESSERTS	2024	.13	157.7	171.8	143.4	129.0	118.9	115.5	144.7	162.7	166.2	176.0	206.1	198.8	187.2	173.3
CANNED AND FROZEN FOODS	203	1.18	180.6	215.4	209.4	180.4	166.6	159.5	172.4	176.8	182.5	180.8	195.9	204.7	221.2	234.0
GRAIN MILL PRODUCTS	204	.95	171.7	188.3	181.8	173.5	173.9	175.1	174.4	171.1	167.5	171.5	176.0	173.0	182.7	184.2
FLOUR & CORN MILL.	2041,6	.28	124.6	132.0	131.8	120.0	117.8	119.2	128.5	125.0	121.4	122.6	122.6	109.2	119.9	129.2
BAKERY PRODUCTS	205	1.15	130.2	150.9	139.3	130.6	130.1	128.2	130.5	134.4	134.8	140.3	154.9	161.6	163.4	164.7
SUGAR	206	.21														
CONFECTIONERY	207	.41														
BEVERAGES	208	1.58	201.2	217.6	216.9	193.6	183.0	187.5	192.2	200.7	204.8	208.2	225.5	222.5	222.3	229.9
BEER AND ALE	2082,3	.52	166.4	161.8	161.0	140.3	125.8	145.7	158.5	178.8	179.0	183.9	194.3	196.9	173.9	
WINES AND BRANDY	2084	.07	316.2	350.0	479.8	352.5	337.5	250.0	253.7	302.5	304.1	290.0	302.6	255.3		
LIQUORS	2085	.24	123.8	140.2	164.1	130.5	108.1	113.0	113.7	123.8	124.1	119.8	132.5	97.5		
SOFT DRINKS	2086,7	.74	240.8	270.4	250.5	237.8	234.1	235.7	236.1	232.3	240.5	247.0	271.0	278.4	283.3	296.6
MISC. FOOD PREPARATIONS	209	.97	164.7	166.5	170.5	168.9	172.1	171.6	169.2	167.0	165.5	166.0	163.1	157.1	163.3	167.1
FATS AND OILS	2091-4,6	.30	147.8	148.3	154.5	148.7	152.0	154.8	149.8	148.9	140.7	140.1	135.7	118.2	122.6	128.4
COFFEE, MISC. FOOD	2095,7-9	.67	172.4	174.8	177.8	178.1	181.2	179.3	178.0	175.2	176.8	177.7	175.6	174.7	181.8	
TOBACCO PRODUCTS	21	.67														
CIGARETTES	211	.54	114.1	120.4	120.0	112.1	83.7	122.1	116.4	117.8	109.6	106.7	130.1	101.3	119.3	
CIGARS	212	.07	53.0	59.7	68.5	58.3	42.9	57.4	57.0	50.4	46.8	56.2	57.4	43.4	54.6	
TEXTILE MILL PRODUCTS	22	2.69														
FABRICS	221-4	1.05	102.4	114.7	115.1	105.5	98.2	100.2	100.8	105.0	99.6	105.2	108.2	92.5	110.8	103.3
COTTON FABRICS	221.4	.60	67.7	70.9	72.6	70.7	59.3	74.3	70.8	69.3	68.1	69.9	63.8	56.1	65.8	62.2
MAN-MADE FABRICS	222	.30														
WOOL FABRICS	223	.14														
KNIT GOODS	225	.63	187.2	210.7	200.8	181.7	179.6	169.1	184.8	196.9	188.3	184.5	206.2	196.8	195.1	208.5
HOSIERY	2251,2	.21	237.7	239.0	239.3	228.2	238.6	232.0	245.2	274.9	250.3	238.0	254.8	260.8	214.8	265.1
KNIT GARMENTS	2253-9	.42	161.6	196.3	181.3	158.1	149.7	137.2	154.1	157.3	156.9	157.3	181.6	164.3	185.1	179.8
FABRIC FINISHING	226	.23	121.5	123.6	132.8	130.1	117.6	121.4	133.1	134.3	127.0	131.0	127.0	96.4	123.5	117.1
CARPETING	227	.20	223.9	256.3	262.9	234.0	215.3	173.3	156.1	182.1	197.0	189.1	191.0	177.8	169.2	194.3
YARN & MISC. TEXTILES	228,9	.57	139.5	149.6	163.1	150.8	132.7	144.6	154.1	154.6	149.7	159.7	149.0	121.0	161.6	155.2
APPAREL PRODUCTS	23	3.33														
MEN'S OUTERWEAR	231,2	1.06														
MEN'S SUITS AND COATS	231	.34														
MEN'S FURNISHINGS	232	.69														
WOMEN'S OUTERWEAR	233	1.05														
MISC. APP. & ALLIED GDS	234-9	1.20														
LUMBER AND PRODUCTS	24	1.64														
LOGGING AND LUMBER	241,2	.82	102.3	111.1	115.2	98.8	91.9	101.6	103.4	110.0	110.5	102.6	117.1	106.5	111.6	119.2
LUMBER	242	.59	92.4	95.7	101.7	87.2	81.7	95.5	97.7	108.1	108.9	94.2	108.3	93.5	97.7	
LUMBER PRODUCTS	243,4,9	.82	171.9	184.7	183.0	180.7	173.0	178.8	187.7	189.7	193.8	189.1	187.4	179.9	196.4	195.5
MILLWORK AND PLYWOOD	243	.50	198.9	215.7	213.8	208.7	194.8	205.6	217.3	221.1	228.8	222.5	219.8	213.3	235.1	
PLYWD, PREFAB PROD	2432,3	.29	234.8	249.3	249.7	242.4	219.0	240.4	260.5	260.7	270.8	260.0	249.2	240.6	276.3	
FURNITURE AND FIXTURES	25	1.37														
HOUSEHOLD FURNITURE	251	.87	168.3	181.6	178.7	175.0	174.6	174.7	188.2	182.7	177.4	173.1	180.1	158.3	184.5	186.9
FIXTURES, OFF. FURN.	252,4,9	.42	186.2	209.3	204.1	192.7	196.0	201.8	219.8	210.8	208.3	221.1	228.7	221.0	238.6	248.8

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1983	1983	1984											
		PRO- POR- TION	POR- AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
PAPER AND PRODUCTS	26	3.21														
PULP AND PAPER	261-3	1.38	153.5	164.7	159.0	162.1	161.5	160.3	161.2	159.3	156.7	159.1	159.6	170.3	160.7	173.0
WOOD PULP	2611	.50	143.1	155.0	147.5	151.8	150.5	145.3	152.0	149.9	136.7	148.2	147.9	154.9	151.6	
PAPER	2621	.54	162.0	171.9	170.7	170.6	170.4	170.4	166.7	165.7	169.8	164.9	166.9	180.9	166.3	181.3
PAPERBOARD	2631	.34	155.5	167.9	157.8	164.1	163.8	166.6	166.0	163.2	165.4	166.2	165.3	176.0	165.2	178.3
CONVERTED PAPER PROD.	2641	.93	194.1	202.1	204.8	202.6	205.6	204.8	204.2	203.1	204.7	202.9	203.2	213.1	207.4	218.0
SANITARY PAPER PROD.	2647	.18														
PAPERBOARD CONTAINERS	2651	.84	155.4	159.5	164.4	156.2	160.2	177.6	163.2	165.9	162.8	157.6	162.7	166.1	165.1	164.6
BUILDING PAPER AND BOARD	2661	.06														
PRINTING AND PUBLISHING	27	4.72														
NEWSPAPERS	2711	1.38	110.3	112.8	112.4	114.0	112.9	112.0	118.7	116.7	114.5	115.3	114.2	120.4	121.8	118.7
PERIOD., BOOKS, CARDS	272, 3, 7	1.38	138.8	146.1	145.6	143.3	144.4	148.7	151.5	151.4	153.2	155.3	157.1	163.7	161.4	158.1
JOB PRINTING	274-6, 8, 9	1.96	192.0	206.4	207.2	202.7	208.1	214.7	212.4	211.3	207.8	210.5	212.1	218.9	221.1	219.5
CHEMICALS AND PRODUCTS	28	7.74														
CHEMICALS & SYN. MAT.	281, 2	3.79	226.2	236.8	243.0	241.2	234.0	241.4	248.2	244.1	243.6	244.1	240.7	240.8	239.5	240.7
BASIC CHEMICALS	2811	2.54	175.1	179.7	185.6	187.5	181.3	186.0	190.9	188.7	188.7	189.6	187.6	189.3	186.4	184.4
ALKALIES & CHLORINE	2812	.14	108.5	115.2	109.4	112.9	104.0	108.7	109.3	118.3	124.7	120.4	124.9	118.0	115.8	118.6
GASES, ETC.	2813, 5, 6	.48	177.4	163.7	207.9	197.1	179.6	203.4	203.3	200.5	196.2	195.8	180.9	193.8	191.2	
BASIC ORG. CHEM.	2818	1.18	220.9	224.0	228.5	232.4	230.1	226.6	236.2	233.2	234.5	236.3	235.2	234.1	230.4	225.4
INORG. CHEM. NEC	2819	.75	114.4	116.7	118.6	125.0	120.6	125.9	127.2	124.7	124.4	125.6	128.9	129.5	127.7	125.8
ACIDS & FERTILIZER MAT.	2821	.55	121.2	124.9	126.5	134.4	128.9	135.2	135.3	134.1	131.9	133.4	135.8	139.6	138.0	137.1
SULFURIC ACID, ETC.	2821	.41	114.7	117.7	118.8	125.7	123.4	128.8	128.3	128.8	126.6	128.2	128.1	132.0	130.7	126.5
FERTILIZER MATERIALS	2822	.14	140.0	145.9	148.9	159.5	144.8	153.5	155.8	149.6	147.3	148.3	158.3	161.5	159.2	167.5
ERDA NUCLEAR MATLS	2823	.15	85.3	83.0	86.4	89.8	87.7	90.9	97.0	86.9	93.9	94.0	101.7	91.1	87.8	82.6
SYNTHETIC MATERIALS	2821	1.25	330.3	353.0	359.9	350.6	341.4	354.1	365.0	356.9	355.3	354.9	349.1	345.7	347.5	355.6
PLASTICS MATERIALS	2821	.54	186.0	192.6	530.1	524.7	489.7	532.4	561.4	547.5	536.2	536.0	527.8	518.1	529.6	
SYNTHETIC RUBBER	2822	.13	109.2	114.6	120.1	127.7	117.8	126.2	118.6	125.6	126.5	129.2	134.0	125.6		
MAN-MADE FIBERS	2823, 4	.58	236.2	250.0	256.7	239.8	254.7	240.7	239.0	232.8	239.6	238.4	232.2	235.8	229.4	227.1
CHEMICAL PRODUCTS	283-7, 9	3.95	204.0	213.4	211.0	203.8	203.2	209.1	209.8	209.2	210.2	209.6	217.2	222.6	222.2	220.6
DRUGS AND MEDICINES	2831	1.34	280.6	294.7	284.7	275.1	277.9	283.9	286.2	281.0	292.2	284.8	297.6	302.6	304.8	294.0
SOAP AND TOILETRIES	2841	1.29	179.1	188.1	185.6	178.3	177.6	179.8	178.4	179.0	173.0	177.2	185.6	194.0	187.0	189.5
PAINTS	2851	.43	118.3	127.3	126.8	111.9	116.7	132.6	130.6	135.2	132.5	138.2	144.3	141.7	140.7	149.6
AGRICULTURAL CHEMICALS	2871	.33	197.3	195.1	213.1	220.7	202.5	208.5	208.5	215.2	215.5	210.3	209.3	222.9	229.5	233.7
PETROLEUM PRODUCTS	29	1.79														
PETROLEUM REFINING	291, 9	1.64	119.4	125.1	122.0	124.8	114.4	118.2	127.3	125.3	126.4	127.1	127.6	123.5	121.7	124.3
AUTOMOTIVE GASOLINE	2911	.84	128.2	131.7	128.7	133.6	124.4	124.0	132.9	134.1	136.9	135.8	129.9	126.4	125.5	130.0
DISTILLATE FUEL OIL	2912	.29	111.3	124.5	119.8	117.6	110.3	111.8	125.3	115.4	114.3	126.1	132.7	125.7	120.7	123.6
RESIDUAL FUEL OIL	2913	.05	112.0	112.6	114.3	112.8	108.2	110.8	119.7	113.9	114.7	114.7	118.3	111.3	112.9	125.8
AVIATION FUEL & KERCS.	2914	.17	97.7	101.9	100.2	104.7	92.0	108.2	109.0	102.0	100.9	95.8	109.4	113.1	113.6	103.9
MISC. PETROLEUM PROD.	2919	.28														
REFINERY FUEL NEC	2919	.06														
REFINERY NONFUEL MAT.	2919	.14														
REFINERY PRODUCTS NEC	2919	.08														
RUBBER & PLASTICS PROD.	30	2.24														
TIRES	3011	.60	152.7	164.3	159.7	148.1	153.4	154.0	156.8	169.9	165.9	191.0	204.3	239.6	205.2	
RUB. PROD. EX. TIRES	302, 3, 6	.66	134.4	141.2	139.4	141.0	142.1	147.5	148.3	150.9	149.9	154.9	147.6	158.0	149.2	148.3
PLASTICS PRODUCTS NEC	3071	.98	148.0	152.6	524.6	507.3	524.5	537.1	533.4	538.5	533.6	542.3	551.8	558.4	560.8	559.7
LEATHER AND PRODUCTS	31	.86														
PERS. LEATHER GDS.	313, 5-7, 9	.22	80.8	87.0	86.5	88.0	87.2	89.2	88.2	85.8	88.5	84.6	85.4	89.3	83.7	86.6
SHOES	3141	.53	55.4	55.2	57.0	53.8	61.3	55.0	55.2	54.9	53.1	52.4	47.6	48.5	47.9	51.7
CLAY, GLASS, & ST. PROD.	32	2.74														
PRESSED AND BLOWN GLASS	3221	.49	150.6	157.0	150.0	163.5	142.8	148.6	157.2	155.5	155.5	157.7	158.4	162.0	157.0	158.5
GLASS CONTAINERS	3221	.28	130.9	132.9	125.6	144.9	110.7	116.3	127.0	127.7	129.4	128.7	134.4	136.5	130.5	130.7
CEMENT	3241	.27	100.6	106.6	104.9	109.0	101.7	123.4	126.0	108.2	111.2	112.4	110.9	113.6	113.2	
STRUCTURAL CLAY PRODUCTS	3251	.20	95.6	105.5	104.5	106.1	106.2	106.1	107.6	106.5	107.0	107.1	104.0	106.1	106.4	108.0
BRICK	3251	.08	81.8	93.7	89.9	92.2	92.3	95.4	101.9	92.1	95.0	92.6	89.3	93.8	93.9	93.9
CONCRETE, MISC. CLAY MFR.	326-9	1.51	149.4	157.8	159.5	156.6	162.2	168.5	168.6	170.3	165.2	169.3	162.9	167.9	170.4	164.4
PRIMARY METALS	33	6.57														
IRON AND STEEL	331, 2	4.21														
BASIC STEEL & MILL PRD	3311	3.34	73.0	79.5	86.6	81.7	77.4	85.6	91.9	91.1	85.5	84.1	80.6	72.6	75.8	73.0
BASIC IRON AND STEEL	3311	1.34	61.8	65.0	68.9	69.9	72.3	71.4	80.7	74.6	75.1	74.0	67.6	64.8	61.7	58.9
PIG IRON	3311	.46	55.4	59.2	60.1	61.5	60.2	62.3	64.5	66.4	65.7	64.1	58.4	56.9	54.9	49.4
RAW STEEL	3311	.72	71.3	75.1	80.1	81.2	87.0	82.3	86.7	84.5	86.0	85.0	78.4	74.8	70.5	69.6
COKE AND PRODUCTS	3311	.16	37.6	35.9	43.7	42.4	40.6	47.9	52.1	53.3	52.9	52.5	41.3	42.7	41.1	37.8
STEEL MILL PRODUCTS	3311	2.01	80.5	89.2	98.4	89.6	80.7	95.1	99.3	102.1	92.4	90.9	89.2	77.7	85.3	82.3
CONSUMER DUR. STEEL	3311	.31	72.1	82.1	87.8	78.6	94.4	71.8	77.7	88.9	79.1	73.5	77.0	67.7	76.6	71.3
EQUIPMENT STEEL	3311	.51	54.9	59.8	65.7	61.4	51.3	63.0	67.8	67.3	66.5	66.8	65.8	54.9	63.6	58.0
CONSTRUCTION STEEL	3311	.41	50.8	53.4	59.5	56.7	46.6	60.7	56.7	58.1	49.9	51.4	50.3	41.6	49.1	47.7
CAN & CLOSURE STEEL	3311	.13	59.9	65.5	65.7	61.5	59.7	46.9	53.5	55.4	62.1	61.0	55.6	49.4	61.1	61.2
MISC. STEEL	3311	.65	127.5	143.2	160.3	143.6	123.1	163.1	170.7	175.1	152.0	149.0	144.8	129.0	134.2	132.8
IRON & STEEL FOUNDRIES	3321	.87	65.8	67.9	74.5	71.5	71.3	78.5	78.2	73.5	73.0	75.9	75.8	78.2	84.6	82.2

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1983	1983	1984								AUG.	SEP.
		PRO- TION	AVG.	SER.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY		
PAPER AND PRODUCTS	261	3.21												
PULP AND PAPER	261-31	1.38	153.5	157.1	162.4	162.1	143.0	159.0	167.3	166.2	164.3	164.7	166.3	157.4
WOOD PULP	2611	.50	143.1	146.7	150.4	152.5	132.4	144.8	155.7	155.9	143.2	153.1	155.7	145.4
PAPER	2621	.54	162.0	163.8	173.9	169.6	154.5	170.8	175.5	172.4	178.1	171.0	171.0	165.5
PAPERBOARD	2631	.34	155.5	161.7	162.0	164.6	140.6	161.6	171.6	171.7	173.8	172.0	174.7	162.2
CONVERTED PAPER PROD.	2641	.93	194.1	195.2	207.3	202.4	189.9	205.7	213.2	211.0	212.1	210.2	209.1	195.0
SANITARY PAPER PROD.	26471	.18												
PAPERBOARD CONTAINERS	2651	.84	155.4	163.9	176.0	154.5	142.9	162.0	168.4	170.1	168.2	162.1	167.9	156.1
BUILDING PAPER AND BOARD	2661	.06												
PRINTING AND PUBLISHING	271	4.72												
NEWSPAPERS	2711	1.38	110.3	112.5	119.7	125.0	115.5	102.7	115.0	117.1	119.5	120.4	115.0	108.5
PERIOD., BOOKS, CARDS	272, 3, 71	1.38	138.8	162.2	150.0	140.3	135.6	135.8	142.6	143.5	146.2	149.2	162.0	175.6
JOB PRINTING	274-6, 8, 91	1.96	192.0	235.5	217.4	197.8	191.9	190.9	192.9	192.3	191.4	202.9	224.0	243.8
CHEMICALS AND PRODUCTS	281	7.74												
CHEMICALS & SYN. MAT.	281, 21	3.79	226.2	239.4	243.3	241.4	228.5	229.4	246.3	250.1	251.8	248.1	247.1	233.9
BASIC CHEMICALS	2811	2.54	175.1	181.7	187.7	189.0	182.0	178.9	185.5	189.7	193.2	190.6	188.9	186.4
ALKALIES & CHLORINE	2812	.14	108.5	115.1	110.8	113.7	102.5	100.9	111.3	118.9	129.7	122.1	126.8	116.6
GASES, ETC.	2813, 5, 61	.48	177.4	186.9	202.2	193.6	179.0	189.0	199.6	206.7	209.7	202.5	189.0	191.7
BASIC ORG. CHEM.	2818	1.18	220.9	229.6	233.3	235.7	229.6	222.1	227.0	230.6	234.0	234.4	235.7	234.3
INORG. CHEM. NEC	2819	.75	114.4	116.0	121.4	127.1	124.3	119.6	125.3	128.2	130.7	127.3	127.2	121.1
ACIDS & FERTILIZER MAT.	2821	.55	121.2	124.2	127.3	135.6	131.0	126.6	137.0	138.6	140.3	134.7	135.4	129.8
SULFURIC ACID, ETC.	28211	.41	114.7	118.4	119.6	126.8	125.7	121.5	131.2	132.0	132.9	127.2	128.2	122.5
FERTILIZER MATERIALS	2822	.14	140.0	141.1	149.5	161.1	146.4	141.2	153.8	157.7	161.9	156.6	156.4	150.8
ERDA NUCLEAR MATLS	2823	.15	85.3	81.3	97.0	95.0	98.0	90.6	81.1	88.5	94.7	98.3	94.9	85.6
SYNTHETIC MATERIALS	2821	1.25	330.3	356.7	356.5	348.2	323.3	332.2	370.3	373.1	371.3	365.2	365.8	330.5
PLASTICS MATERIALS	28211	.54	146.0	151.0	532.9	515.8	455.9	487.9	561.8	574.5	565.5	556.3	556.3	499.2
SYNTHETIC RUBBER	28221	.13	109.2	114.4	120.8	128.8	117.7	124.4	125.5	129.1	135.5	129.9	128.8	115.4
MAN-MADE FIBERS	2823, 41	.58	236.2	250.3	246.6	242.7	247.1	235.0	248.4	241.8	244.7	241.5	243.0	223.0
CHEMICAL PRODUCTS	283-7, 91	3.95	204.0	226.2	218.2	203.3	191.3	194.9	199.2	202.6	206.3	208.8	229.1	233.0
DRUGS AND MEDICINES	2831	1.34	280.6	321.5	298.1	274.5	256.8	258.6	264.7	262.5	280.8	279.1	321.1	327.7
SOAP AND TOILETRIES	2841	1.29	179.1	200.0	194.1	179.7	171.4	170.6	172.5	175.8	167.3	173.1	187.1	200.0
PAINTS	2851	.43	118.3	124.4	121.9	101.9	90.4	112.1	128.1	141.9	144.8	156.1	171.8	148.1
AGRICULTURAL CHEMICALS	2871	.33	197.3	190.2	213.3	220.0	203.7	206.2	203.9	221.4	224.5	216.8	209.3	216.4
PETROLEUM PRODUCTS	291	1.79												
PETROLEUM REFINING	291, 91	1.64	119.4	127.2	121.1	125.9	116.5	116.5	124.6	121.1	121.9	125.1	130.0	126.9
AUTOMOTIVE GASOLINE	2911	.84	128.2	133.3	125.4	134.4	127.9	122.3	128.0	129.1	132.2	134.7	134.1	131.3
DISTILLATE FUEL OIL	2912	.29	111.3	123.6	121.7	121.6	114.5	117.2	129.9	112.4	106.4	119.4	130.6	124.1
RESIDUAL FUEL OIL	2913	.05	112.0	107.8	105.7	112.2	118.1	126.0	132.6	117.3	111.1	109.7	111.2	104.8
AVIATION FUEL & KEROS.	2914	.17	97.7	106.1	100.4	104.8	92.9	106.5	112.2	102.6	99.0	91.9	107.3	111.6
MISC. PETROLEUM PROD.	2919	.28												
REFINERY FUEL NEC	29191	.06												
REFINERY NONFUEL MAT.	29192	.14												
REFINERY PRODUCTS NEC	29193	.08												
RUBBER & PLASTICS PROD.	301	2.24												
TIRES	3011	.60	152.7	161.3	170.3	151.9	154.9	170.0	186.6	190.2	177.2	177.4	193.6	154.0
RUB. PROD. EX. TIRES	302, 3, 61	.66	134.4	143.7	141.6	143.5	143.5	143.4	150.5	152.1	150.7	153.4	149.6	148.0
PLASTICS PRODUCTS NEC	3071	.98	148.0	153.7	532.9	520.1	506.4	496.2	544.1	550.3	541.0	548.7	565.1	528.7
LEATHER AND PRODUCTS	311	.86												
PERS. LEATHER GDS.	311, 5-7, 91	.22	80.8	88.4	90.0	92.1	87.1	83.1	86.7	86.1	86.0	84.9	89.0	84.0
SHOES	3141	.53	55.4	57.0	60.2	51.8	55.4	52.8	58.9	58.5	55.7	52.9	49.9	39.7
CLAY, GLASS, & ST. PROD.	321	2.74												
PRESSED AND BLOWN GLASS	3221	.49	150.6	156.7	158.1	161.2	127.9	139.5	154.5	158.4	157.4	160.5	165.7	161.0
GLASS CONTAINERS	32211	.28	130.9	129.3	135.0	138.8	88.3	111.2	130.2	131.8	131.3	130.8	143.8	136.8
CEMENT	3241	.27	100.6	126.5	127.6	104.9	69.6	65.2	85.6	91.6	114.7	127.6	140.7	134.6
STRUCTURAL CLAY PRODUCTS	3251	.20	95.6	108.3	107.1	109.1	104.3	98.9	99.9	102.6	107.2	109.0	109.0	105.6
BRICK	32511	.08	81.8	100.2	94.6	95.1	84.0	74.9	85.5	88.2	96.5	98.2	99.5	97.0
CONCRETE, MISC. CLAY MFR.	326-91	1.51	149.4	161.1	164.6	162.0	160.6	159.5	161.6	165.7	166.0	169.8	167.0	167.2
PRIMARY METALS	331	6.57												
IRON AND STEEL	331, 21	4.21												
BASIC STEEL & MILL PRD	3311	3.34	73.0	76.3	84.0	74.9	70.5	80.5	89.8	93.4	93.9	93.4	86.7	72.8
BASIC IRON AND STEEL	33111	1.34	61.8	63.6	66.7	65.7	65.9	68.2	75.5	78.6	80.7	79.3	72.2	63.9
PIG IRON	33112	.46	55.4	57.7	58.0	57.2	54.9	57.9	64.6	68.3	70.5	69.4	63.4	58.2
RAW STEEL	33113	.72	71.3	73.6	77.3	76.2	78.5	79.7	87.8	90.8	93.0	91.2	83.1	72.0
COKE AND PRODUCTS	33114	.16	37.6	35.5	43.6	42.9	40.6	45.7	50.6	52.9	54.1	53.6	43.5	40.1
STEEL MILL PRODUCTS	3312	2.01	80.5	84.8	95.5	81.0	73.5	88.7	99.4	103.3	102.7	102.7	96.4	78.7
CONSUMER DUR. STEEL	33121	.31	72.1	79.4	87.4	73.9	78.1	71.6	84.0	85.9	87.3	85.0	79.1	65.8
EQUIPMENT STEEL	33122	.51	54.9	57.2	65.0	56.4	48.3	60.4	65.5	69.9	74.0	74.5	67.8	53.0
CONSTRUCTION STEEL	33123	.41	50.8	52.0	58.0	50.4	42.7	48.8	53.3	56.0	56.5	58.0	57.8	46.3
CAN & CLOSURE STEEL	33124	.13	59.9	59.5	59.1	48.7	54.5	55.9	57.6	56.2	60.8	63.8	60.4	54.2
MISC. STEEL	33125	.65	127.5	134.9	154.4	129.5	114.5	150.9	168.0	177.4	170.4	169.6	158.7	130.4
IRON & STEEL FOUNDRIES	332	.87	65.8	68.0	77.6	68.6	60.9	75.5	82.0	78.9	78.3	81.2	83.1	69.5

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1983	1983	1984												
		TION	FOR- AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	
NONFERROUS METALS 333-6,9		2.36	110.1	113.5	115.5	114.1	121.5	117.4	121.3	122.5	122.9	121.4	122.1	131.7	127.6	125.6	
PRIMARY NONF. METALS 333		.45	102.6	109.4	110.4	111.7	112.7	114.1	119.8	119.5	121.0	122.8	124.3	126.0	118.5	113.5	
COPPER 3331		.09	102.1	104.9	102.8	95.8	100.4	99.9	112.2	111.6	110.5	113.3	129.1	151.0	122.4	108.1	
ALUMINUM 3334		.27	113.0	123.4	125.9	127.4	132.5	133.8	137.5	141.3	143.6	145.9	145.2	140.1	138.3	135.8	
SECONDARY NONF. METALS 334		.09	126.3	134.6	134.0	134.2	136.9	134.7									
NONFERROUS PRODUCTS 335,6		1.45	120.0	121.9	124.7	121.9	132.9	126.2	129.8	131.1	130.5	128.1	128.9	139.8	138.8	136.8	
NONFERROUS MILL PROD 335		1.09	135.3	136.7	138.8	135.1	150.9	140.6	144.4	145.9	145.8	143.5	143.8	157.7	157.2	153.0	
COPPER MILL PROD		.48	102.8	108.6	106.0	87.2	112.6	90.7	108.9	106.7	120.5	120.2	122.0	138.0	144.2	136.5	
ALUMINUM MILL PROD		.61	160.8	158.7	164.6	172.7	180.9	179.8	172.3	176.7	165.6	161.7	161.0	173.2	167.5	166.0	
CONSTRUCTION		.13	175.6	178.4	191.5	194.0	177.0	216.7	206.5	190.1	192.4	187.0	187.6	209.7	195.2	212.4	
NONCONSTRUCTION		.48	156.8	153.4	157.2	167.0	181.9	169.7	163.0	173.1	158.3	154.8	153.7	163.3	159.9	153.4	
NONFERROUS FOUNDRIES 336		.35	72.3	76.0	80.9	80.8	76.7	81.1	84.3	84.7	82.8	80.4	82.4	84.1	81.1	86.3	
FABRICATED METAL PRODUCTS 34		5.93															
METAL CANS 341		.38	115.6	120.1	118.9	121.7	117.0	116.2	117.1	125.2	117.2	120.0	119.8	115.4	116.3	118.4	
HDWE, PLUMB, STRUCT. MET 342-4		2.67	124.4	130.8	128.5	131.1	132.6	135.2	136.1	136.6	137.7	135.8	139.7	145.9	142.4	139.4	
HARDWARE, TOOLS, CUTL 342		.76	120.8	130.1	129.8	127.5	128.4	128.5	131.0	131.4	130.8	130.0	135.9	139.5	139.1	136.0	
STRUCTURAL METAL PROD 344		1.62	126.1	131.5	127.5	132.4	134.2	136.8	137.9	138.4	140.4	137.0	140.4	147.6	142.9	140.8	
OTHER FAB. MET. PROD. 345-9		2.89	117.1	126.1	124.5	126.0	128.0	134.2	132.1	134.9	134.9	137.5	139.5	140.6	145.1	143.6	
FASTENERS, STAMP, ETC 345-8		2.03	104.6	112.4	110.9	114.1	116.3	123.6	119.8	122.2	121.0	124.0	126.4	126.7	131.6	131.0	
NONELECTRICAL MACHINERY 35		9.15															
ENGINE AND FARM EQUIP. 351,2		1.20	99.6	94.7	96.2	107.7	111.2	113.2	116.0	116.7	120.2	119.7	117.2	125.9	119.1	113.2	
FARM TRACTORS		.19	38.6	46.4	45.8	47.7	48.1	31.2	40.9	40.6	40.5	36.9	34.3	47.2	28.5	35.6	
CONSTRUCTION & ALLIED EQ 353		1.36	100.3	104.6	105.0	107.0	108.2	116.5	116.8	120.1	123.5	126.6	127.8	132.9	133.2	132.5	
TRACKLATING TRACTORS		.16	28.2	26.4	35.8	38.7	33.6	32.4	33.8	35.0	47.4	53.5	52.0	53.2	48.6	55.5	
METALWORKING MACHINERY 354		1.67	101.7	108.9	103.6	107.3	106.3	113.3	116.9	122.1	120.3	122.3	122.1	124.1	124.1	120.0	
SPEC. & GENL IND EQ 355,6		2.30	105.7	113.5	112.8	113.3	115.2	120.9	120.0	123.5	123.0	124.4	127.0	128.2	129.4	127.9	
OFFICE, SERV. & MISC. 357-9		2.63	270.2	275.0	288.0	290.6	300.8	310.3	308.4	312.9	308.2	316.1	322.1	326.0	337.7	345.1	
ELECTRICAL MACHINERY 36		8.05															
MAJOR ELECT. EQ. & PTS. 361,2		1.74	117.3	124.7	120.1	124.6	120.9	123.9	129.1	127.7	125.2	124.5	127.1	128.9	130.7	126.4	
HOUSEHOLD APPLIANCES 363		.83	137.0	151.2	151.6	144.7	143.6	160.4	157.5	153.9	152.0	146.9	147.9	156.3	154.6	163.7	
COOKING STOVES 3631		.08	151.4	176.0	172.7	178.8	173.1	171.3	178.9	186.6	175.5	169.6	171.2	194.7	139.1	188.8	
REFRIGERATION APPL. 3632		.26	111.9	138.5	142.3	123.8	106.0	141.3	149.0	144.3	144.5	138.8	125.7	130.8	153.6	165.5	
LAUNDRY APPLIANCES 3633		.13	136.6	140.5	145.2	143.6	152.0	157.7	152.5	138.6	127.0	120.8	127.6	158.8	117.3	142.3	
MISC. APPLIANCES 3634-6,9		.36	152.1	158.6	155.9	152.5	161.1	172.8	160.6	159.1	161.6	157.5	166.5	165.2	173.0	164.7	
TV AND RADIO SETS 365		.52	93.0	96.9	109.1	105.3	110.0	112.3	111.1	111.6	114.8	105.3	110.9	123.5	109.5	106.5	
COMMUNICATION EQUIPMENT 366		2.30	178.0	181.5	182.4	183.6	186.6	192.6	195.3	196.9	203.7	202.9	204.0	211.2	209.7	213.7	
ELECTRONIC COMPONENTS 367		1.43	137.1	1374.0	382.9	391.8	401.0	419.3	430.7	438.6	447.7	446.5	443.4	462.0	453.3	452.6	
TV TUBES 3671-3		.31	39.1	35.7	43.1	45.0	44.9	50.5	46.0	40.0	45.6	42.7	37.3	48.9	43.4	32.3	
MISC. ELECTRICAL SUPP. 369		.49	188.8	197.0	207.6	205.0	206.4	221.6	208.5	216.3	214.5	213.2	214.8	208.8	212.0	213.3	
STORAGE BATTERY, REPL. 3691		.09	244.6	259.7	275.2	268.3	272.5	300.7	229.7	256.2	248.8	262.7	287.2	261.9	259.4	272.2	
TRANSPORTATION EQUIPMENT 37		9.27															
MOTOR VEHICLES AND PARTS 371		4.50															
AUTOS, TOTAL		1.90	117.4	135.0	129.6	129.4	137.4	140.7	140.4	142.4	134.5	132.9	136.2	138.7	134.3	121.1	
LARGE AUTOS		1.79	73.1	85.0	77.4	75.5	77.0	82.7	85.0	84.9	78.0	76.7	82.3	86.0	79.6	69.6	
SMALL AUTOS		.11	846.2	957.5	988.3	1014.3	1130.3	1094.2	1052.8	1087.4	1063.7	1057.3	1022.3	1005.0	1032.4	966.6	
TRUCKS AND BUSES		.53	171.2	187.4	197.4	205.4	209.0	220.3	215.2	219.2	210.1	220.7	222.2	235.3	259.0	240.2	
BUSINESS VEHICLES		.40	104.0	112.0	119.2	128.5	128.0	130.7	128.4	132.9	112.6	131.7	134.9	152.3	172.3		
UTILITY VEHICLES		.13	372.5	413.0	431.4	435.4	451.5	488.5	474.9	477.2	502.1	487.0	483.4	483.1	518.9		
TRUCK TRAILERS		.09	146.7	190.8	194.6	199.5	261.0	300.0	244.2	262.1	252.2	286.9	301.7	324.0	321.6	332.3	
MOTOR VEHICLE PARTS		1.98	146.4	154.7	156.9	159.6	161.7	170.5	170.3	169.7	171.3	171.0	171.9	173.6	173.6	169.6	
AIRCRAFT AND PARTS 372		3.73	96.5	96.1	97.2	98.0	99.8	100.5	102.2	102.0	104.0	103.3	104.7	107.1	105.7	109.6	
SHIPS AND BOATS 373		.56	131.2	134.2	139.3	146.3	141.5	151.9	153.2	150.4	152.6	153.7	151.8	156.9	159.9	155.0	
RAIL & MISC TRANS EQ 374,5,9		.49	86.9	89.5	92.4	94.6	102.1	108.4	92.6	94.1	91.5	92.4	99.8	119.2	114.3	98.1	
RAILROAD EQUIPMENT 374		.26	19.5	19.5	27.3	20.4	33.3	36.8	18.0	20.5	24.3	22.1	34.0	64.9	54.8	36.6	
MOBILE HOMES 379		.18	138.2	143.1	138.9	145.1	144.1	148.3	145.7	140.2	131.9	141.4	139.9	140.8	142.9		
INSTRUMENTS 38		2.11															
EQUIPMENT INSTR. & PTS. 381-4		1.07	185.4	194.2	191.2	189.5	194.7	200.5	200.0	199.7	201.2	203.5	206.2	211.9	212.0	211.5	
CONSUMER INSTR. PROD. 385-7		1.04	130.9	131.9	131.3	132.7	131.7	137.3	137.4	138.7	139.0	136.4	140.2	142.4	141.9	141.9	
MISC. MANUFACTURES 39		1.51															
MISC. CONS. GOODS 391,3,4,6		.86	160.1	167.2	161.3	161.9	160.6	168.7	167.3	168.1	165.6	165.9	165.5	172.1	164.6	162.3	
MISC. BUS. SUPPLIES 395,9		.65	126.9	129.1	130.1	129.1	131.8	130.3	129.9	128.5	132.2	132.5	129.8	132.8	132.4	127.6	
ELECTRIC UTILITIES 398		3.88	196.0														
ELEC UTIL GENERATION		1.90	186.8	192.2	191.8	189.6	197.4	196.9	189.3	195.6	199.5	194.5	197.9	195.3	196.2		
POSSIL FUEL GENERATION		1.54	167.1	175.0	173.4	169.4	176.4	176.1	165.5	175.2	177.8	173.1	180.7	175.7	177.6		
HYDRO & NUCLEAR GENERAT.		.36	271.7	266.0	270.7	276.5	287.6	286.3	291.4	283.2							

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1983	1983	1984											
		PRO- TION	AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
NONFERROUS METALS 333-6.9		2.36	110.1	112.1	115.2	110.1	113.8	114.3	125.6	131.5	132.3	129.5	128.1	114.6	121.3	124.1
PRIMARY NONF. METALS 3331		1.45	102.6	107.3	112.3	114.1	115.1	116.8	122.1	120.0	123.3	124.1	122.3	116.2	114.0	111.5
COPPER 3331		.09	102.1	101.8	105.2	99.1	101.4	100.2	117.7	120.1	121.4	122.6	126.8	114.8	109.8	104.6
ALUMINUM 3334		.27	113.0	122.7	127.0	130.2	135.3	135.9	137.6	138.8	142.5	145.0	144.0	138.6	136.4	135.0
SECONDARY NONF. METALS 334		.09	126.3	133.5	137.7	136.4	125.2	129.1								
NONFERROUS PRODUCTS 335.6		1.45	120.0	119.8	122.8	113.6	120.1	121.0	134.9	144.1	144.6	140.3	138.1	121.3	131.0	134.3
NONFERROUS HILL PROD 3351		1.09	135.3	134.1	135.2	124.6	136.6	133.2	148.4	161.0	163.1	158.5	154.4	138.6	148.7	149.9
COPPER HILL PROD		.48	102.8	104.1	103.2	81.2	102.0	87.9	111.3	128.5	142.9	137.3	126.9	108.3	126.6	130.9
ALUMINUM HILL PROD		.61	160.8	157.6	160.2	158.6	163.7	168.7	177.5	186.5	179.0	175.1	176.0	162.4	166.0	164.8
CONSTRUCTION		.13	175.6	178.1	190.5	179.8	149.2	194.5	206.3	201.5	208.6	202.9	208.9	199.0	204.0	212.0
NONCONSTRUCTION		.48	156.8	152.0	152.0	152.8	167.6	161.7	169.7	182.4	171.0	167.5	167.0	152.5	155.7	152.0
NONFERROUS FOUNDRIES 336		.35	72.3	75.4	84.3	79.3	68.7	82.9	92.9	91.3	86.9	83.7	87.2	67.1	76.0	85.6
FABRICATED METAL PRODUCTS 34		5.93														
METAL CANS 3411		.38	115.6	126.3	120.0	117.1	108.2	109.1	115.1	122.4	114.4	119.4	124.2	123.4	125.0	124.6
HDWE, PLUMB, STRUCT, MET 342-4		2.67	124.4	132.6	131.2	133.9	132.7	132.0	138.8	138.8	137.0	134.5	139.7	140.1	140.2	141.3
HARDWARE, TOOLS, CUTL 3421		.76	120.8	133.2	133.8	129.8	126.0	124.8	133.3	133.8	131.0	129.6	136.2	134.7	135.0	139.4
STRUCTURAL METAL PROD 344		1.62	126.1	131.9	129.3	135.4	135.8	134.3	140.4	140.4	139.2	135.5	140.3	141.2	142.2	141.3
OTHER FAB. MET. PROD. 345-9		2.89	117.1	127.8	126.3	127.6	126.5	128.6	134.1	137.6	135.5	138.0	142.0	135.7	142.8	145.7
FASTENERS, STAMP, ETC 345-8		2.03	104.6	114.3	113.1	115.9	114.8	117.7	121.6	124.6	121.8	124.6	128.9	121.5	129.1	133.1
NOELECTRICAL MACHINERY 35		9.15														
ENGINE AND FARM EQUIP. 351-2		1.20	99.6	97.3	97.7	107.0	112.6	113.6	119.5	119.8	120.3	117.7	118.1	118.4	113.8	116.1
FARM TRACTORS		.19	38.6	48.3	49.9	41.0	40.8	33.5	47.2	46.3	46.3	39.1	39.1	30.9	22.7	37.0
CONSTRUCTION & ALLIED EQ 353		1.36	100.3	109.0	107.8	110.0	110.2	111.5	117.2	118.4	121.7	124.2	128.9	129.5	130.8	138.0
TRACKLAYING TRACTORS		.16	28.2	27.2	37.0	36.1	31.5	32.0	38.4	37.6	51.1	55.4	56.0	44.7	40.8	57.2
METALWORKING MACHINERY 354		1.67	101.7	112.8	106.1	107.2	103.7	110.0	118.3	122.3	120.3	119.7	123.8	122.4	124.0	124.3
SPEC. & GENL IND EQ 355.6		2.30	105.7	118.0	114.2	114.7	113.1	117.0	120.3	122.8	122.2	123.8	130.0	125.6	129.0	132.9
OFFICE, SERV. & MISC. 357-9		2.63	270.2	292.9	296.9	289.4	283.6	288.9	299.6	298.1	299.6	309.4	335.1	347.6	355.9	367.8
ELECTRICAL MACHINERY 36		8.05														
MAJOR ELECT. EQ. & PTS. 361-2		1.74	117.3	129.0	124.8	123.0	116.2	118.6	125.9	126.4	125.6	124.6	131.2	130.7	131.1	130.8
HOUSEHOLD APPLIANCES 363		.83	137.0	153.5	164.4	137.2	116.8	157.6	165.7	163.3	164.0	154.8	156.8	142.5	141.9	165.6
COOKING STOVES 3631		.08	151.4	175.3	191.5	167.0	137.4	170.5	188.8	191.8	190.3	187.0	188.4	158.4	135.7	188.7
REFRIGERATION APPL. 3632		.26	111.9	131.1	144.7	106.2	73.1	146.7	159.1	162.7	168.3	159.2	149.6	138.2	105.6	156.8
LAUNDRY APPLIANCES 3633		.13	136.6	143.3	163.2	125.8	112.2	147.6	157.2	149.6	139.4	131.2	130.5	128.1	136.8	145.1
MISC. APPLIANCES 3634-6.9		.36	152.1	168.7	173.0	157.2	145.6	166.4	168.3	162.2	164.0	152.9	164.6	147.3	172.0	174.4
TV AND RADIO SETS 365		.52	93.0	110.5	126.0	111.9	95.2	104.8	109.1	110.3	109.9	110.2	109.9	96.0	116.9	121.8
COMMUNICATION EQUIPMENT 366		2.30	178.0	182.2	183.8	187.9	193.1	191.9	195.2	196.9	198.7	200.4	204.8	205.5	208.6	214.5
ELECTRONIC COMPONENTS 367		1.43	357.1	381.1	391.8	401.5	408.6	412.4	422.6	429.7	438.1	443.5	451.2	446.8	458.1	460.9
TV TUBES 3671-3		.31	39.1	41.6	50.0	43.7	33.1	48.9	45.5	40.7	48.1	47.1	37.0	37.1	47.0	37.6
MISC. ELECTRICAL SUPP. 369		.49	188.8	212.8	222.9	219.0	223.8	222.7	205.4	204.3	201.8	199.6	205.6	195.7	212.4	229.9
STORAGE BATTERY, REPL. 3691		.09	244.6	329.8	355.5	316.8	327.2	338.3	233.3	208.0	184.6	188.3	229.1	209.8	270.5	345.7
TRANSPORTATION EQUIPMENT 37		9.27														
MOTOR VEHICLES AND PARTS 371		4.50														
AUTOS, TOTAL		1.90	117.4	128.1	147.2	131.5	118.3	137.9	150.1	161.1	144.3	140.2	147.5	108.5	109.8	122.2
LARGE AUTOS		1.79	73.1	77.4	88.2	77.8	69.5	84.4	92.6	96.8	81.9	80.2	89.3	66.2	62.5	67.9
SMALL AUTOS		.11	84.6	2196.2	1116.8	1014.3	921.2	1017.6	1094.9	1217.9	1170.1	1126.0	1104.1	804.0	887.9	1014.9
TRUCKS AND BUSES		.53	171.2	191.0	219.1	200.6	177.1	217.3	230.1	249.3	221.1	238.6	255.6	187.9	223.4	232.3
BUSINESS VEHICLES		.40	104.0	115.3	132.3	122.1	108.8	132.0	139.3	158.2	112.0	147.5	158.5	121.8	144.6	
UTILITY VEHICLES		.13	372.5	417.5	478.9	435.4	381.5	472.4	502.0	521.8	547.7	511.4	546.2	385.7	459.3	
TRUCK TRAILERS		.09	146.7	184.3	191.1	192.9	230.4	261.8	267.2	289.5	278.1	297.4	323.1	298.7	320.5	320.9
MOTOR VEHICLE PARTS		1.98	146.4	154.9	158.7	162.0	170.4	169.3	168.7	169.5	171.3	171.4	174.4	168.0	172.1	168.4
AIRCRAFT AND PARTS 372		3.73	96.5	95.9	96.7	99.6	102.1	100.9	102.8	102.3	103.1	103.6	104.8	105.0	102.9	109.3
SHIPS AND BOATS 373		.56	131.2	130.9	140.6	148.4	146.5	147.6	152.6	151.0	156.8	156.5	154.4	153.8	152.1	151.3
RAIL & MISC TRANS EQ 374.5.9		.49	86.9	95.7	99.0	89.9	86.7	88.0	88.3	96.4	101.0	99.0	110.7	108.6	119.7	104.1
RAILROAD EQUIPMENT 374		.26	19.5	19.1	26.6	21.4	36.3	36.1	17.4	23.3	26.0	22.0	33.6	55.5	50.4	35.9
MOBILE HOMES 379		.18	138.2	155.8	156.3	130.8	104.2	111.4	129.5	142.4	151.0	154.8	162.7	137.4	160.8	
INSTRUMENTS 38		2.11														
EQUIPMENT INSTR. & PTS. 381-4		1.07	185.4	201.9	194.6	192.1	192.8	191.0	195.8	196.4	197.8	202.1	212.2	212.8	214.8	219.5
CONSUMER INSTR. PROD. 385-7		1.04	130.9	133.8	133.0	135.3	133.6	133.9	135.1	136.6	136.4	136.1	142.5	141.5	142.7	143.9
MISC. MANUFACTURES 39		1.51														
MISC. CONS. GOODS 391,3.4.6		.86	160.1	184.2	169.2	163.7	152.6	153.9	165.1	163.4	163.1	165.0	170.9	165.3	171.6	178.8
MISC. BUS. SUPPLIES 395.9		.65	126.9	133.5	134.1	129.8	128.8	125.0	128.7	128.9	130.3	130.3	131.7	131.2	135.7	132.0
ELECTRIC UTILITIES		3.88	196.0													
ELEC UTIL GENERATION		1.90	186.8	190.5	177.4	178.2	199.2	211.0	192.2	187.1	183.5	180.3	204.1	215.0	214.8	
FOSSIL FUEL GENERATION		1.54	167.1	178.1	162.9	159.2	177.5	188.3	165.6	163.7	157.7	154.7	185.9	197.7	200.9	
HYDRO & NUCLEAR GENERAT.		.36	271.7	243.9	239.9	259.9	292.6	308.5	306.6	287.9	294.6	290.1	282.2	289.6	274.8	
ELEC UTIL SALES		1.98	204.8	232.5	196.9	189.7	217.1	238.0	218.1	207.2	195.7	193.4	211.0	233.0		
RESIDENTIAL KWH		.83	221.3	257.0	195.2	189.4	247.0	280.0	246.0	224.7	198.8	188.7	211.3	249.2		
NONRESIDENTIAL KWH		1.15	193.1	214.9	198.1	189.9	195.7	207.7	198.2	194.7	193.5	196.9	210.9	221.3		
SIC KWH		.47	141.4	151.0	153.0	151.0	149.5	150.1	151.5	157.6	159.1	160.2	159.6	156.0		
COMMERCIAL & OTHER KWH		.65	228.9	260.2	229.0	216.7	228.5	248.8	231.1	220.8	218.0	223.3	247.1	267.5		
GAS UTILITIES		1.81														
GAS TRANSMISSION		.65														
GAS SALES		1.17														
RESIDENTIAL GAS		.62														
INDUSTRIAL GAS		.35														
COM'L & OTHER GAS		.20														

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

SUMMARY GROUPINGS	1983			1984		
	II	III	IV	I	II	III
TOTAL INDEX	144.5	151.8	155.5	159.8	163.1	165.7
PRODUCTS, TOTAL	146.3	153.0	156.3	160.4	163.7	167.2
FINAL PRODUCTS	144.6	150.6	153.7	158.0	161.5	165.1
CONSUMER GOODS	150.2	156.1	156.9	159.7	162.0	162.6
DURABLE CONSUMER GOODS	145.1	154.9	157.1	163.0	162.4	162.2
AUTOMOTIVE PRODUCTS	152.4	169.3	173.7	183.6	181.7	180.0
HOME GOODS	141.0	146.7	147.7	151.4	151.6	152.3
NONDURABLE CONSUMER GOODS	152.1	156.6	156.8	158.4	161.9	162.8
CLOTHING	162.7	167.2	166.2	167.1	171.7	173.4
CONSUMER STAPLES	152.3	155.5	154.5	154.5	158.6	154.3
CONSUMER ENERGY (HOME GOODS AND CLOTHING)	128.6	133.7	136.3	140.2	140.1	139.6
EQUIPMENT	137.0	143.0	149.3	155.8	160.7	168.4
BUSINESS EQUIPMENT	148.3	156.2	164.2	171.6	177.0	187.1
INDUSTRIAL EQUIPMENT	114.8	123.3	128.7	134.4	138.3	143.0
COMMERCIAL, TRANSIT, FARM EQ.	187.0	194.3	205.3	214.6	221.9	238.0
DEFENSE AND SPACE EQUIPMENT	117.9	120.8	124.2	129.3	133.3	136.9
INTERMEDIATE PRODUCTS	152.5	161.9	165.8	169.0	172.0	175.1
CONSTRUCTION SUPPLIES	139.0	148.7	151.8	157.1	160.0	160.9
BUSINESS SUPPLIES	166.0	175.0	179.8	180.9	184.0	189.1
COMMERCIAL ENERGY PRODUCTS	182.6	187.4	187.5	190.2	192.0	193.3
MATERIALS	141.7	149.9	154.3	158.8	162.1	163.5
DURABLE GOODS MATERIALS	134.7	144.2	150.3	157.6	162.0	164.6
BASIC METAL MATERIALS	88.9	92.9	97.3	101.2	104.8	102.2
NONDURABLE GOODS MATERIALS	171.7	179.1	183.5	183.7	186.6	186.3
TEXTILE, PAPER AND CHEMICAL MAT	179.6	188.0	193.2	193.2	195.9	195.6
TEXTILE MATERIALS	113.7	121.2	122.4	120.1	120.1	119.1
PAPER MATERIALS	153.4	162.8	167.4	165.8	168.5	171.2
CHEMICAL MATERIALS	219.4	227.8	235.0	236.7	240.4	239.3
ENERGY MATERIALS	121.5	127.4	127.8	131.2	132.4	133.0
MANUFACTURING	145.2	152.8	156.5	161.0	164.4	167.3
DURABLE	131.1	139.1	143.8	150.2	153.6	157.5
NONDURABLE	165.5	172.7	174.8	176.7	180.1	181.4
MINING AND UTILITIES	139.4	145.4	148.2	150.2	152.5	153.5
MINING	112.3	116.1	121.0	124.2	125.1	128.9
UTILITIES	169.6	178.2	178.4	179.2	183.1	180.9

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

	1983			1984		
	II	III	IV	I	II	III
PRODUCTS, TOTAL	601.6	628.0	640.5	657.9	666.2	677.9
FINAL PRODUCTS	465.0	483.3	493.1	506.6	513.7	522.2
CONSUMER GOODS	324.9	337.3	340.1	346.1	349.4	347.9
DURABLE CONSUMER GOODS	86.1	94.0	94.9	99.0	97.8	97.7
AUTOMOTIVE PRODUCTS	41.2	47.0	47.6	50.7	49.6	49.3
HOME GOODS	45.0	47.0	47.3	48.4	48.2	48.4
NONDURABLE CONSUMER GOODS	238.8	243.3	245.3	247.0	251.7	250.2
CLOTHING	209.8	213.0	214.0	214.8	219.4	218.3
CONSUMER STAPLES	43.4	44.3	44.1	44.1	45.3	43.9
CONSUMER ENERGY (HOME GOODS AND CLOTHING)	74.0	77.3	78.5	80.6	80.5	80.4
EQUIPMENT	140.1	146.0	153.0	160.5	164.3	174.2
BUSINESS EQUIPMENT	91.0	95.6	101.2	106.6	108.8	116.9
INDUSTRIAL EQUIPMENT	36.1	38.7	40.1	42.1	43.5	45.2
COMMERCIAL, TRANSIT, FARM EQ.	54.8	56.9	61.1	64.5	65.3	71.7
DEFENSE AND SPACE EQUIPMENT	49.2	50.4	51.8	54.0	55.5	57.3
INTERMEDIATE PRODUCTS	136.6	144.7	147.4	151.3	152.5	155.7
CONSTRUCTION SUPPLIES	58.8	63.2	63.8	66.9	67.0	68.1
BUSINESS SUPPLIES	77.8	81.5	83.6	84.5	85.5	87.7
COMMERCIAL ENERGY PRODUCTS	20.0	20.4	20.4	20.7	21.1	21.0

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

MAJOR MARKET GROUPINGS	1972	1983	1984			1984	1984	1984	1984	1984	1984	1984	1984	1984	1984
	DOLS-1	1983	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	1984
PRODUCTS, TOTAL	507.4	612.6	637.8	638.4	645.4	655.1	656.9	661.8	661.1	665.9	671.5	682.4	678.3	673.1	673.8
FINAL PRODUCTS	390.9	472.6	490.7	490.8	497.8	505.3	505.0	509.6	509.0	514.0	518.1	525.9	522.3	518.3	519.4
CONSUMER GOODS	277.5	328.7	340.2	338.3	341.9	345.3	345.3	347.7	347.8	349.5	350.9	353.2	347.0	343.6	344.8
DURABLE CONSUMER GOODS	82.0	88.6	94.3	94.1	96.2	99.2	98.5	99.4	97.7	96.8	98.7	99.8	98.3	95.0	95.4
AUTOMOTIVE PRODUCTS	41.1	43.5	47.0	47.0	48.9	50.8	50.3	50.9	49.3	49.1	50.2	51.1	50.1	46.6	46.8
HOME GOODS	40.9	45.2	47.3	47.1	47.3	48.4	48.2	48.5	48.4	47.7	48.5	48.6	48.3	48.4	48.6
NONDURABLE CONSUMER GDS	195.5	240.0	245.9	244.2	245.7	246.1	246.8	248.2	250.1	252.7	252.2	253.4	248.7	248.6	249.4
CLOTHING	28.5														
CONSUMER STAPLES	167.0	210.4	215.0	213.4	213.6	213.9	214.5	216.0	217.4	220.5	220.2	221.4	216.5	216.9	217.9
CONSUMER ENERGY PROD (HOME GOODS & CLOTHING)	39.2	43.1	43.6	44.3	44.3	43.5	44.2	44.6	44.9	45.6	45.3	44.1	43.3	44.3	
EQUIPMENT	69.4	74.9	78.2	77.9	79.4	80.6	80.5	80.7	81.0	80.0	80.5	80.6	80.5	80.1	80.2
BUSINESS EQUIPMENT	113.4	144.0	150.5	152.5	155.9	160.0	159.7	161.9	161.2	164.4	167.2	172.8	175.3	174.7	174.6
INDUSTRIAL EQUIPMENT	80.6	94.0	99.2	100.8	103.5	106.4	105.6	107.6	105.7	109.1	111.5	116.0	118.3	116.4	116.0
COMM. L. TRANSIT, FARM EQ	34.4	37.8	39.4	40.1	40.8	41.9	42.1	42.3	42.6	43.5	44.3	45.2	45.5	44.9	45.3
DEFENSE & SPACE EQUIP.	46.2	56.2	59.8	60.7	62.7	64.5	63.5	65.4	63.1	65.6	67.2	70.9	72.8	71.5	70.7
INTERMEDIATE PRODUCTS	32.7	50.0	51.3	51.8	52.5	53.5	54.1	54.3	55.5	55.3	55.7	56.7	57.0	58.3	58.6
CONSTRUCTION SUPPLIES	116.6	140.0	147.1	147.6	147.6	149.8	151.9	152.2	152.2	151.9	153.4	156.5	156.0	154.8	154.4
BUSINESS SUPPLIES	57.8	60.4	63.9	63.8	63.8	65.7	67.0	67.9	67.2	66.6	67.4	68.9	68.0	67.4	66.8
COMMERCIAL ENERGY PROD	58.8	79.6	83.2	83.8	83.7	84.1	84.9	84.3	85.0	85.4	86.0	87.6	88.0	87.4	
	15.6	20.1	20.4	20.5	20.4	20.9	20.9	20.3	20.9	20.9	21.4	21.3	21.0	20.7	

Table 8

INDUSTRIAL PRODUCTION: DIFFUSION INDEXES

Percent of component series higher than in earlier months

	ONE MONTH EARLIER	THREE MONTHS EARLIER	SIX MONTHS EARLIER
1967-83			
AVERAGE	54.2	57.1	59.3
HIGH	75.5	83.8	87.0
LOW	22.6	15.7	14.7
1982			
SEPTEMBER	45.5	44.7	42.8
OCTOBER	35.1	39.6	43.8
NOVEMBER	48.1	39.8	43.8
DECEMBER	46.2	38.7	36.0
1983			
JANUARY	64.9	63.0	46.0
FEBRUARY	45.5	61.7	48.1
MARCH	70.4	67.9	60.9
APRIL	59.4	60.0	68.3
MAY	64.9	74.5	74.3
JUNE	66.0	71.7	77.2
JULY	75.5	79.4	75.1
AUGUST	57.9	76.0	79.1
SEPTEMBER	75.5	83.8	86.6
OCTOBER	56.0	69.8	87.0
NOVEMBER	56.6	67.2	80.9
DECEMBER	60.6	60.2	79.1
1984			
JANUARY	70.6	68.9	78.7
FEBRUARY	58.7	73.4	80.4
MARCH	56.4	68.3	71.9
APRIL	53.8	55.7	71.3
MAY	52.6	55.7	71.3
JUNE	57.2	57.9	69.8
JULY	68.7	66.6	66.0
AUGUST	45.7	63.4	61.7
SEPTEMBER	49.8	58.5	60.2

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. KVH. 1967	1983 AVG.	1983 Q 3	1983 Q 4	1984 Q 1	1984 Q 2	1984 Q 3	1984 APR	1984 MAY	1984 JUNE	1984 JULY	1984 AUG	1984 SEP	PERCENT CHG. FROM PREV. MO. (P)	PERCENT CHG. FROM PREV. YR. (P)
TOTAL		560.4	126.5	131.1	132.0	135.6	138.1	137.9	137.3	137.8	139.2	139.0	138.4	136.2	-1.5	3.2
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	152.0	157.3	155.6	161.1	161.3	165.5	159.6	160.7	163.4	166.4	166.2	163.7	-1.5	3.6
FINAL PRODUCTS		101.4	150.0	155.8	152.6	158.4	158.9	163.2	157.0	158.0	161.6	164.2	164.1	161.1	-1.8	3.1
CONSUMER GOODS		67.4	156.7	162.8	158.3	164.2	163.9	166.4	162.2	163.2	166.3	167.6	167.0	164.6	-1.5	.9
EQUIPMENT		34.0	132.9	137.6	137.9	144.1	146.1	154.4	144.2	145.1	149.0	154.6	156.2	152.3	-2.5	9.9
INTERMEDIATE PRODUCTS		34.7	158.2	162.4	164.2	168.3	168.8	173.0	167.9	169.5	169.1	173.5	173.3	172.2	-.6	4.8
MATERIALS		424.3	118.0	122.1	124.2	127.4	130.4	128.2	130.1	129.8	131.2	129.8	128.5	126.2	-1.8	2.3
DURABLE		237.7	103.8	108.4	111.8	117.1	120.3	117.3	119.6	120.9	120.4	118.7	118.3	115.0	-2.8	4.5
NONDURABLE		133.0	134.9	138.4	139.1	140.5	141.8	141.3	142.4	141.4	141.5	142.2	139.3	138.8	-.3	-1.0
ENERGY, EX. ERDA		23.8	182.8	186.0	188.4	200.6	207.9	209.1	209.7	205.8	208.2	209.7	208.0	209.6	.8	13.0
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	158.3	163.2	165.0	180.5	184.3	185.0	183.4	186.0	183.4	188.3	184.5	182.2	-1.2	13.3
MANUFACTURING		519.2	124.8	129.4	130.2	133.2	135.2	135.2	134.4	134.5	136.5	136.8	135.7	133.2	-1.8	2.0
DURABLE	19,24-25,32-39	254.1	113.5	118.3	120.8	126.6	128.3	128.3	127.6	128.0	129.2	129.0	130.0	126.0	-3.1	4.9
NONDURABLE	20-23,26-31	265.1	135.6	139.4	138.9	140.3	141.4	141.3	140.6	140.4	143.2	143.3	140.9	139.6	-1.0	-.3
UTILITIES, OWN USE	491,2	6.5	140.1													
INDUSTRY GROUPS AND SERIES																
METAL MINING	10	9.9	115.3	123.1	116.4	131.6	139.5	127.3	137.0	144.5	136.9	139.0	123.8	119.1	-3.7	3.1
IRON ORE	101	5.0	105.5	118.5	100.7	131.8	151.2	128.4	146.7	160.8	146.2	146.0	121.7	117.4	-3.6	9.2
COPPER ORE	102	3.0	139.3	144.4	149.9	138.6	126.0	124.6	128.8	126.1	123.2	129.7	127.3	116.7	-8.4	-14.6
COAL	11,2	5.9	190.0	184.3	209.8	233.6	223.6	228.8	226.6	224.9	219.3	229.7	227.3	229.5	1.0	23.3
OIL AND GAS EXTRACTION	13	11.9	208.4	218.3	211.8	228.0	241.5	245.8	242.7	240.6	241.2	246.2	245.2	246.1	.4	13.2
CRUDE OIL AND NAT. GAS	131	8.9	239.5	253.8	245.8	270.5	286.1	291.3	288.4	285.8	284.0	293.5	290.6	289.9	-.2	14.7
NATURAL GAS LIQUIDS	132	2.5	118.8	119.1	111.1	111.0	129.9	131.4	124.8	130.7	134.1	131.4	129.1	133.7	3.6	15.6
STONE AND EARTH MINERALS	14	6.9	134.4	132.8	141.9	147.6	152.6	159.9	148.7	154.8	154.3	159.8	159.1	160.8	1.0	18.2
CRUSHED STONE	142	1.5	153.5	155.4	158.2	170.6	166.2	170.1	163.7	168.4	166.4	174.0	167.4	168.8	.8	3.7
SAND AND GRAVEL	144	1.1	110.6	115.5	119.4	140.3	138.9	148.2	126.9	147.1	142.9	142.7	150.0	151.9	1.3	30.0
CHEMICAL MINERALS	147	3.4	135.8	130.3	144.4	148.2	153.4	161.0	152.2	153.4	154.6	162.4	160.7	160.0	-.4	20.1
ORDNANCE	19	4.1	102.7	104.2	107.7	112.5	105.7	116.3	106.1	98.7	112.3	117.0	116.6	115.4	-1.0	11.7
FOODS	20	26.8	163.7	168.7	163.9	168.9	171.3	173.6	170.7	170.6	172.6	173.6	172.4	175.0	1.5	2.9
HEAT PRODUCTS	201	4.2	166.9	166.8	164.2	173.3	171.3	171.4	166.3	176.0	171.6	170.4	166.0	177.9	7.2	8.8
DAIRY PRODUCTS	202	4.1	146.8	148.0	148.8	161.8	157.7	152.3	161.6	155.2	156.3	153.4	151.9	151.6	-.1	-2.2
CANNED AND FROZEN FOODS	203	3.2	212.3	217.1	212.3	213.1	229.3	243.8	229.3	223.6	235.1	247.7	246.7	236.9	-4.0	11.1
GRAIN MILL PRODUCTS	204	4.8	152.7	161.0	154.9	155.5	158.9	159.6	156.6	162.0	158.1	160.0	160.0	158.9	-.7	-5.5
BAKERY PRODUCTS	205	1.8	152.1	157.0	155.6	162.8	167.3	170.0	164.8	166.4	170.6	171.1	170.0	169.1	-.5	6.1
SUGAR	206	1.2	255.5	362.8	219.0	231.5	330.3	374.0	297.4	316.7	376.8	371.8	358.3	392.0	9.4	5.7
CONFECTIONERY	207	1.0	151.2	139.8	154.2	166.3	135.0	127.7	147.5	130.2	127.4	134.0	125.8	123.2	-2.1	-7.0
BEVERAGES	208	2.4	207.9	212.7	209.9	220.4	212.3	214.0	212.9	211.3	212.7	211.2	209.2	221.7	6.0	6.4
MISC. FOOD PRODUCTS	209	4.1	128.2	134.6	127.0	127.2	132.9	138.9	130.2	133.8	134.7	136.7	139.5	140.6	.8	1.1
TOBACCO PRODUCTS	21	.9	122.9	125.7	128.2	130.2	140.5	140.7	136.1	140.4	145.1	137.8	143.1	141.1	-1.4	11.3
TEXTILE MILL PRODUCTS	22	20.8	114.9	122.0	121.8	118.4	118.8	118.3	117.3	117.7	121.5	118.9	121.2	114.7	-5.4	-6.2
FABRICS	221-4	11.7	90.8	99.1	96.7	92.4	94.8	95.9	91.4	93.9	99.1	98.7	97.2	91.8	-5.5	-8.8
KNIT GOODS	225	1.7	140.7	147.0	143.2	144.8	140.6	141.8	142.7	134.9	144.1	145.7	141.5	138.1	-2.4	-8.4
FABRIC FINISHING	226	1.5	148.3	159.9	155.4	147.0	146.1	154.5	145.3	143.9	149.2	158.8	150.6	154.2	2.4	-4.9
YARN AND THREAD	228	3.9	164.1	173.9	173.8	167.5	167.4	162.9	166.0	165.9	170.2	160.4	170.4	157.9	-7.3	-7.3
MISC. TEXTILES	229	1.4	140.8	148.0	148.7	141.7	151.9	159.7	140.8	159.7	155.3	143.7	167.6	168.0	.2	8.9
APPAREL PRODUCTS	23	3.6	167.2	167.3	176.6	187.2	181.9	179.0	183.6	181.3	180.7	181.8	178.9	176.3	-1.5	2.9
NEW'S OUTERWEAR	231,2	1.0	152.8	158.5	154.3	168.0	165.5	166.1	168.3	164.3	163.8	174.3	166.0	158.1	-4.7	-.8
WOMEN'S OUTERWEAR	233	1.0	226.5	229.4	241.2	241.5	227.2	230.0	227.6	222.1	232.0	231.1	231.0	227.9	-1.4	-2.5
LUMBER AND PRODUCTS	24	8.0	201.9	209.3	207.9	213.5	213.2	216.3	211.7	213.6	214.3	217.6	214.5	216.9	1.1	3.5
LUMBER	242	3.9	195.5	200.2	198.5	203.7	197.0	201.5	195.4	194.7	200.8	206.9	197.9	199.7	.9	1.9
MILLWORK AND PLYWOOD	243	2.2	211.9	223.4	226.0	230.5	230.9	237.8	228.8	237.0	226.8	239.8	228.0	245.5	7.7	6.8
FURNITURE AND FIXTURES	25	2.5	154.8	160.6	158.3	165.4	167.7	173.9	165.2	168.5	169.5	174.9	174.9	172.1	-1.6	7.4
HOME FURNITURE	251	1.7	190.4	196.2	194.6	198.8	196.0	201.3	193.9	195.5	198.7	199.9	201.2	202.8	.8	2.9
PAPER AND PRODUCTS	26	49.1	127.6	130.0	129.5	127.3	127.0	129.9	128.3	126.1	126.7	130.9	129.0	129.9	.7	-.9
WOOD PULP	261	3.5	103.3	102.2	105.4	98.8	103.4	108.0	103.2	101.8	105.3	110.1	106.4	107.7	1.2	4.1
PAPER	262	24.5	135.5	139.9	138.6	133.4	133.2	134.1	137.7	128.5	133.3	137.4	130.4	134.6	3.2	-5.4
PAPERBOARD	263	14.8	131.8	133.3	129.3	131.2	129.1	135.4	128.8	127.6	131.0	137.1	133.7	135.3	1.2	1.5
CONVERTED PAPER	264	2.5	153.3	159.8	154.3	158.0	152.4	159.3	152.0	153.4	151.9	162.7	160.2	152.9	-5.9	-2.5
PAPERBOARD CONTAINERS	265	2.3	141.4	144.6	148.5	155.7	155.8	164.2	158.9	152.4	156.1	161.0	167.8	163.8	-2.4	15.0
BUILDING PAPER AND BOARD	266	1.4	191.3	196.7	206.1	219.8	224.3	228.0	219.2	224.3	229.3	206.4	226.6			
PRINTING AND PUBLISHING	27	5.8	179.3	182.7	188.5	193.2	193.2	200.0	191.4	194.1	194.2	201.7	200.1	198.2	-1.0	5.7
NEWSPAPERS	271	1.7	150.4	148.2	155.7	160.8	159.1	159.2	156.7	159.2	161.4	162.6	156.2	158.7	1.6	4.7
COMMERCIAL PRINTING	275	2.4	196.8	201.3	202.0	214.6	208.2	218.6	205.9	208.3	210.2	219.9	220.6	215.3	-2.4	6.7

P--PRELIMINARY

NOTE: THE 1983 SEASONAL FACTORS FOR THE MAJOR MARKET AND INDUSTRY GROUPINGS HAVE BEEN UPDATED.

Table 9B

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1983 AVG.	1983 Q 3	1984 Q 4	1984 Q 1	1984 Q 2	1984 Q 3	1984 APR	MAY	JUNE	JULY	AUG	SEP	PERCENT CHG. FROM PREV. MO.	PERCENT CHG. YR.
														(P)	(P)	(P)
TOTAL		560.4	126.5	130.8	133.0	134.1	138.9	137.4	137.4	139.2	140.2	136.9	138.4	136.8	-1.1	2.7
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	152.0	162.1	156.5	155.8	160.7	170.4	156.1	158.8	167.3	167.6	171.6	172.1	.3	3.6
FINAL PRODUCTS		101.4	150.0	161.4	153.3	152.9	158.1	168.9	152.6	155.6	166.1	166.2	170.0	170.5	.3	3.1
CONSUMER GOODS		67.4	156.7	169.1	159.4	157.7	163.0	172.8	156.8	160.7	171.3	170.0	174.1	174.5	.2	.9
EQUIPMENT		34.0	132.9	141.6	137.5	140.8	145.8	158.8	141.8	142.6	152.9	156.4	159.8	160.3	.3	9.9
INTERMEDIATE PRODUCTS		34.7	158.2	164.3	166.2	164.6	168.7	175.0	166.8	168.5	170.8	171.8	176.2	176.9	.4	4.8
MATERIALS		424.3	178.0	120.4	125.2	126.9	131.7	126.4	131.2	132.7	131.2	126.7	127.3	125.1	-1.8	2.3
DURABLE		237.7	103.8	106.6	111.8	117.2	122.0	115.4	121.2	124.1	120.8	116.3	116.5	113.3	-2.8	4.5
NONDURABLE		133.0	134.9	139.1	140.1	137.7	142.6	140.8	142.3	142.3	143.3	140.1	141.9	140.3	-1.1	-1.0
ENERGY, EX. ERDA		23.8	182.8	176.7	189.4	210.5	207.1	198.6	209.9	205.8	205.7	198.1	198.6	199.1	.2	13.0
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	158.3	157.9	165.7	182.1	187.5	179.0	186.7	189.5	186.2	179.3	177.6	180.1	1.4	13.3
MANUFACTURING		519.2	124.8	129.5	131.2	131.2	136.0	135.3	134.3	136.1	137.5	134.6	136.5	134.8	-1.2	2.0
DURABLE	19, 24-25, 32-39	254.1	113.5	117.7	121.2	125.5	129.7	127.6	128.1	130.5	130.5	127.1	129.1	126.6	-1.9	4.9
NONDURABLE	20-23, 26-31	265.1	135.6	140.8	140.7	136.6	141.9	142.6	140.2	141.5	144.1	141.7	143.5	142.6	-.6	-3.3
UTILITIES, OWN USE	491, 2	6.5	140.1													
INDUSTRY GROUPS AND SERIES																
METAL MINING	10	9.9	115.3	119.9	116.5	131.3	143.1	124.0	138.9	149.6	140.6	135.1	118.8	118.1	-.6	3.1
IRON ORE	101	5.0	105.5	116.0	101.1	130.6	155.0	125.8	149.5	165.9	149.6	145.4	116.9	115.1	-1.6	9.2
COPPER ORE	102	3.0	139.3	136.3	150.2	140.7	130.6	117.5	130.3	132.5	128.8	119.2	116.8	116.7	-.1	-14.6
COAL	11, 2	5.9	190.0	162.9	213.3	254.4	225.9	202.5	236.5	225.1	216.1	180.1	212.3	215.0	1.3	23.3
OIL AND GAS EXTRACTION	13	11.9	208.4	218.3	211.9	228.6	240.5	245.8	240.2	238.2	243.1	248.2	241.7	247.6	2.4	13.2
CRUDE OIL AND NAT. GAS	131	8.9	239.5	252.3	247.0	271.6	284.8	289.6	287.0	280.6	286.8	292.9	284.2	291.6	2.6	14.7
NATURAL GAS LIQUIDS	132	2.5	118.8	123.2	111.2	107.9	128.9	136.0	121.2	130.1	135.3	136.2	134.1	137.6	2.6	15.6
STONE AND EARTH MINERALS	14	6.9	134.4	133.0	145.3	141.0	155.2	160.1	149.6	158.0	158.0	157.0	160.1	163.2	1.9	18.2
CRUSHED STONE	142	1.5	153.5	164.6	167.1	182.5	174.0	180.1	162.5	179.1	180.2	182.0	179.4	178.9	-.3	3.7
SAND AND GRAVEL	144	1.1	110.6	121.7	126.6	119.1	143.8	156.1	126.5	153.5	151.4	148.6	159.1	160.6	.9	30.0
CHEMICAL MINERALS	147	3.4	135.8	128.1	146.4	147.6	154.4	158.1	153.6	154.8	154.9	153.8	157.8	162.7	3.1	20.1
ORDNANCE	19	4.1	102.7	109.7	107.1	108.1	104.8	122.5	101.0	97.7	115.8	121.2	124.6	121.7	-2.4	11.7
FOODS	20	26.8	163.7	179.3	167.1	159.3	166.7	184.5	160.3	164.1	175.7	180.3	184.4	188.8	2.4	2.9
MEAT PRODUCTS	201	4.2	166.9	183.5	165.2	158.0	168.0	188.6	156.8	169.2	178.1	186.8	186.1	192.9	3.7	8.8
DAIRY PRODUCTS	202	4.1	146.8	166.9	143.2	145.3	159.1	171.8	152.9	153.5	170.8	175.2	171.6	168.8	-1.6	-2.2
CANNED AND FROZEN FOODS	203	3.2	212.3	232.9	218.6	199.9	219.7	261.4	215.1	213.1	230.9	241.3	260.7	282.1	8.2	11.1
GRAIN MILL PRODUCTS	204	4.8	152.7	162.3	159.5	155.2	153.0	160.9	148.6	152.6	157.8	158.4	164.3	160.1	-2.5	-5.5
BAKERY PRODUCTS	205	1.8	152.1	171.6	154.9	151.2	164.3	185.8	154.9	160.8	177.1	184.4	185.9	187.0	.6	6.1
SUGAR	206	1.2	255.5	266.0	293.4	256.7	244.8	274.2	232.3	242.3	260.0	268.8	268.0	285.8	6.6	5.7
CONFECTIONERY	207	1.0	151.2	148.8	159.5	148.4	134.7	135.9	140.0	128.1	136.2	130.4	136.7	140.7	2.9	-7.0
BEVERAGES	208	2.4	207.9	237.3	205.6	198.8	212.6	238.8	202.7	207.7	227.3	232.9	236.4	246.9	4.5	6.4
MISC. FOOD PRODUCTS	209	4.1	128.2	139.7	130.9	121.3	129.9	144.2	123.1	128.3	138.2	141.1	143.6	147.8	2.9	1.1
TOBACCO PRODUCTS	21	.9	122.9	137.2	131.9	121.0	133.2	153.7	122.2	131.4	146.1	132.8	160.8	167.4	4.1	11.3
TEXTILE MILL PRODUCTS	22	20.8	114.9	126.1	121.8	111.0	122.1	122.3	115.1	120.1	131.2	110.7	131.9	124.4	-5.7	-6.2
FABRICS	221-4	11.7	90.8	100.7	96.8	88.0	97.6	97.4	90.7	96.2	105.8	89.6	104.9	97.8	-6.7	-8.8
KNIT GOODS	225	1.7	140.7	159.4	142.0	130.3	144.0	153.7	136.7	137.0	158.3	143.1	161.3	156.7	-2.9	-8.4
FABRIC FINISHING	226	1.5	148.3	154.9	156.9	145.7	150.4	149.6	147.1	147.6	156.3	138.1	152.9	157.7	3.2	-4.9
YARN AND THREAD	228	3.9	164.1	179.4	175.0	156.1	172.1	168.4	163.9	168.5	183.8	148.5	185.6	171.0	-7.9	-7.3
MISC. TEXTILES	229	1.4	140.8	147.6	149.3	138.3	155.5	160.0	143.4	158.4	164.7	134.5	177.1	168.5	-4.9	8.9
APPAREL PRODUCTS	23	3.6	167.2	194.6	170.8	166.7	177.6	208.0	167.1	171.7	194.1	195.7	216.1	212.3	-1.8	2.9
MEN'S OUTERWEAR	231, 2	1.0	152.8	184.6	151.7	145.6	162.7	193.0	151.8	157.2	179.2	184.1	199.5	195.3	-2.1	-.8
WOMEN'S OUTERWEAR	233	1.0	226.5	273.1	229.7	208.7	224.9	273.7	202.8	215.2	256.8	258.8	286.5	275.7	-3.8	-2.5
LUMBER AND PRODUCTS	24	8.0	201.9	202.0	209.9	217.6	213.9	208.8	217.6	213.8	210.2	204.3	207.0	214.9	3.8	3.5
LUMBER	242	3.9	195.5	192.9	199.8	206.7	199.6	194.1	205.9	198.1	194.8	191.8	192.6	197.9	2.7	1.9
MILLWORK AND PLYWOOD	243	2.2	211.9	214.3	223.6	236.2	236.7	228.0	238.7	242.5	229.1	223.7	220.2	240.1	9.0	6.8
FURNITURE AND FIXTURES	25	2.5	154.8	158.9	160.0	166.5	166.8	172.2	165.1	164.6	170.7	158.8	178.9	178.8	-.1	7.4
HOME FURNITURE	251	1.7	190.4	191.1	195.7	202.0	196.5	196.2	197.1	192.3	200.1	175.9	205.0	207.6	1.3	2.9
PAPER AND PRODUCTS	26	49.1	127.6	129.6	129.3	126.4	128.6	129.5	129.3	127.7	128.8	127.5	131.2	129.8	-1.1	-.9
WOOD PULP	261	3.5	103.3	102.0	105.8	98.1	103.9	107.8	105.3	102.3	104.2	109.4	104.8	109.0	4.0	4.1
PAPER	262	24.5	135.5	138.5	137.6	133.3	135.2	132.7	138.8	133.4	133.5	132.9	133.8	131.3	-1.8	-5.4
PAPERBOARD	263	14.8	131.8	130.6	127.7	132.6	131.8	132.5	129.0	131.0	135.4	129.9	134.7	133.0	-1.2	1.5
CONVERTED PAPER	264	2.5	153.3	161.6	157.0	152.0	153.7	161.0	151.7	153.8	155.6	159.3	164.5	159.3	-3.2	-2.5
PAPERBOARD CONTAINERS	265	2.3	141.4	146.2	147.8	152.9	157.3	166.0	158.1	151.9	162.0	155.8	173.7	168.5	-3.0	15.0
BUILDING PAPER AND BOARD	266	1.4	191.3	200.1	206.9	212.9	225.4	232.2	221.8	226.4	228.0	204.6	241.3			
PRINTING AND PUBLISHING	27	5.8	179.3	205.8	185.1	175.6	189.6	225.3	177.6	186.9	204.3	223.1	228.0	224.7	-1.4	5.7
NEWSPAPERS	271	1.7	150.4	170.3	152.4	142.2	156.9	182.9	145.1	154.1	171.5	186.2	181.5	181.0	-.3	4.7
COMMERCIAL PRINTING	275	2.4	196.8	228.3	202.1	190.5	203.4	247.8	190.1	200.4	219.6	241.5	252.3	249.5	-1.1	6.7

P--PRELIMINARY

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

SERIES	SIC (1967)	BIL. KWH. 1967	1983 AVG.	1983			1984			1984					PERCENT CHG. FROM PREV. YR.	
				Q 3	Q 4	Q 1	Q 2	Q 3	APR	MAY	JUNE	JULY	AUG	SEP	MO. (P)	YR. (P)
CHEMICALS AND PRODUCTS	28	116.8	122.9	125.7	127.4	129.0	130.9	128.3	130.0	128.8	133.8	131.3	127.4	126.0	-1.1	0.0
BASIC CHEMICALS	281	96.4	107.9	111.6	110.8	110.3	116.4	113.3	114.0	114.6	120.5	116.0	112.1	112.0	0.0	-5
ALKALIES AND CHLORINE	2812	12.3	142.5	147.4	145.7	156.8	164.3	150.2	163.6	159.7	169.6	149.2	150.6	150.6	0.0	-1.2
BASIC ORGANIC CHEM. NEC	2818	24.8	142.2	138.8	142.4	147.0	148.6	142.0	148.5	149.0	148.4	143.7	142.6	139.6	-2.1	.3
INORGANIC CHEM. NEC	2819	48.6	86.1	92.7	90.2	85.2	96.2	93.9	90.0	92.2	106.3	97.1	92.2	92.5	.4	-8
ACID AND FERT. MAT'L.S.		18.8	86.3	88.5	90.5	90.3	93.5	91.0	91.3	92.2	96.9	93.6	89.5	90.1	.7	-1.1
ERDA		29.8	85.9	96.6	90.2	81.5	98.4	96.9	88.5	92.1	114.5	101.5	95.2	93.9	-1.4	-7
SYNTHETIC MATERIALS	282	12.1	188.5	197.1	203.8	199.3	200.0	197.3	202.2	196.5	201.4	200.9	195.5	195.6	.1	-1.9
PLASTICS MATERIALS	2821	4.4	206.6	217.5	216.9	225.8	224.5	212.2	228.6	220.1	224.8	216.9	209.4	210.2	.4	0.0
OTHER SYNTHETICS	2822-4	7.7	178.6	185.8	195.3	185.5	187.8	189.1	185.2	188.1	190.1	192.8	186.0	188.4	1.3	-3.0
DRUGS	283	2.0	240.3	248.2	239.6	243.9	247.9	252.1	249.5	240.0	254.1	256.1	256.7	243.5	-5.2	-2.0
SOAP AND TOILETRIES	284	1.0	156.8	169.3	159.1	154.8	149.9	166.0	144.6	146.4	158.7	167.7	164.9	165.6	.5	-3.9
FARM CHEMICALS	287	2.7	140.3	136.9	150.2	148.4	145.9	160.0	148.1	145.0	144.5	155.8	160.3	164.0	2.3	18.6
PETROLEUM PRODUCTS	29	22.3	187.6	190.9	185.1	190.5	187.3	184.1	186.3	187.9	187.8	186.8	181.7	183.9	1.2	-3.7
RUBBER AND PLASTICS PROD.	30	10.8	191.1	198.1	199.7	206.2	208.9	215.1	206.3	210.6	209.9	217.4	216.1	211.8	-2.0	4.6
TIRES	301	3.2	106.1	109.7	109.0	108.3	111.6	120.7	105.1	114.4	115.2	118.3	124.7	119.1	-4.4	8.5
RUBBER PRODUCTS NEC	306	2.3	123.4	127.5	126.1	134.5	135.4	136.7	135.9	139.6	130.8	147.4	130.5	132.3	1.4	2.1
PLASTICS PRODUCTS NEC	307	4.8	287.7	300.5	304.2	318.0	320.4	329.0	315.8	320.6	324.9	331.6	328.6	326.9	-5.5	5.4
LEATHER AND PRODUCTS	31	1.3	108.5	111.0	108.9	109.3	106.7	104.9	106.6	107.5	105.8	103.4	107.0	104.4	-2.4	-6.9
SHOES	314	.6	94.8	96.7	91.7	95.4	91.5	89.5	92.6	90.5	91.4	91.5	91.5	85.6	-6.5	-9.0
CLAY, GLASS, STONE PRODUCTS	32	20.8	138.0	141.8	143.8	147.7	148.0	151.1	147.4	147.2	149.3	150.5	150.7	152.1	1.0	6.4
FLAT GLASS	321	1.2	104.9	102.4	114.4	114.3	112.9	117.4	112.1	112.5	114.1	118.2	119.0	115.1	-3.3	8.4
PRESSED AND BLOWN GLASS	322	3.5	198.9	206.7	202.2	206.8	206.6	207.3	206.9	207.5	205.3	204.4	207.0	210.5	1.7	-2
CEMENT	324	8.4	100.0	105.0	107.0	105.1	107.0	113.0	106.0	103.2	111.9	112.2	109.5	117.3	7.1	11.9
STRUCTURAL CLAY PRODUCTS	325	1.3	94.3	99.4	103.6	100.5	101.8	102.9	99.8	104.3	101.2	100.5	101.2	107.0	5.8	3.5
CONCRETE PRODUCTS	327	2.3	183.5	190.3	194.1	207.2	207.4	205.7	209.3	212.0	200.8	212.2	208.4	196.4	-5.8	3.6
PRIMARY METALS	33	132.0	91.5	94.9	100.1	105.7	108.3	102.6	108.2	109.4	107.4	104.6	104.0	99.3	-4.5	2.6
BASIC STEEL & MILL PROD.	331	54.4	78.3	80.1	85.5	91.7	92.4	85.4	94.8	93.4	88.9	86.9	86.0	83.1	-3.3	4.3
IRON & STEEL FOUNDRIES	332	5.9	150.5	161.7	155.4	163.2	169.5	170.4	168.1	170.8	169.7	177.9	171.4	162.0	-5.5	.1
PRIMARY NONFERROUS METALS	333	59.5	86.0	90.5	96.8	101.5	107.8	103.5	105.4	109.0	109.2	106.3	105.5	98.7	-6.4	5.8
ALUMINUM	3334	53.6	78.3	83.6	89.4	96.1	102.4	97.4	100.1	103.2	103.8	100.4	99.0	92.8	-6.2	7.7
NONFERROUS MILL PRODUCTS	335	8.4	115.4	121.7	123.3	124.3	118.4	116.3	119.7	119.4	116.2	115.3	121.8	111.9	-8.2	-12.1
NONFERROUS FOUNDRIES	336	1.4	150.6	159.1	167.4	163.4	170.9	169.6	172.9	172.6	167.3	171.3	172.0	165.6	-3.7	1.6
FABRICATED METAL PRODUCTS	34	14.8	155.3	161.9	161.1	167.2	171.7	177.3	170.5	170.5	173.9	177.4	178.2	176.2	-1.1	7.6
METAL CANS	341	1.0	201.0	203.3	207.6	205.8	207.5	204.1	203.0	208.0	211.6	203.0	201.9	207.5	2.8	-1.4
HARDWARE	342	1.6	142.5	153.0	147.6	150.3	152.5	162.5	151.1	149.6	156.8	162.6	166.5	158.6	-4.7	3.4
STRUCTURAL METAL PROD.	344	3.5	134.4	138.6	138.2	144.8	143.0	148.0	145.9	138.2	144.8	153.0	145.5	145.6	.1	3.5
FASTENERS	345	1.2	137.2	143.5	145.5	148.3	155.3	167.0	147.5	155.2	163.1	160.3	171.2	169.5	-1.0	16.1
METAL STAMPINGS	346	3.1	148.9	157.9	158.7	169.2	170.7	173.9	170.5	169.1	172.4	174.8	171.8	175.2	2.0	11.5
NONELECTRICAL MACHINERY	35	17.3	147.3	153.2	155.3	163.1	165.4	173.5	163.5	166.0	166.9	173.9	175.5	171.1	-2.5	10.4
ENGINES AND TURBINES	351	1.4	124.3	129.1	126.6	131.5	130.3	135.7	130.6	128.2	132.1	133.5	145.0	128.7	-11.2	1.2
FARM EQUIPMENT	352	1.2	70.0	71.6	68.2	73.5	73.6	80.0	72.8	75.9	72.2	83.7	83.6	72.7	-13.1	9.5
CONSTRUCTION EQUIPMENT	353	3.0	117.0	123.4	121.0	130.7	132.6	139.9	130.0	134.7	133.1	143.1	140.8	135.7	-3.6	12.0
METALWORKING MACHINERY	354	2.8	112.0	119.8	114.3	123.6	126.9	131.9	126.0	126.8	127.8	131.6	134.5	129.5	-3.7	6.1
SPECIAL INDUSTRY MACH.	355	1.5	138.7	145.1	143.8	151.5	152.4	155.6	152.5	148.7	156.1	155.9	157.2	153.6	-2.3	2.8
GENERAL INDUSTRIAL MACH.	356	2.7	139.0	145.3	147.7	157.4	159.0	166.2	155.5	160.3	161.3	169.3	165.0	164.4	-3	11.6
OFFICE AND COMPUTING MACH.	357	1.4	317.0	311.7	340.0	360.7	358.5	391.6	348.3	357.3	369.9	379.0	401.0	394.7	-1.6	23.0
SERVICE INDUSTRY MACH.	358	1.2	134.1	138.4	142.1	152.0	151.9	155.8	154.0	150.6	151.0	156.0	157.7	153.5	-2.7	4.8
ELECTRICAL MACHINERY	36	19.2	140.5	145.2	147.8	152.5	154.4	162.1	154.9	151.6	156.6	162.7	163.4	160.1	-2.0	9.7
ELECT. DISTRIBUTION EQ.	361	1.8	107.4	109.2	108.5	113.5	111.3	113.2	109.2	111.0	113.7	109.3	119.1	111.3	-6.6	-1.9
ELECT. INDUST. APPARATUS	362	3.5	97.5	101.5	101.8	103.3	101.6	102.3	103.5	99.3	101.9	103.3	102.5	101.0	-1.5	-2.8
HOME APPLIANCES	363	2.2	94.5	94.0	96.1	102.4	100.4	99.3	102.1	98.7	100.4	98.2	102.2	97.6	-4.5	3.4
LIGHTING & WIRING PROD.	364	1.5	145.6	155.6	155.5	156.4	152.0	157.3	154.2	148.9	152.9	162.0	156.5	153.3	-2.0	-3.8
RADIO AND TV SETS	365	.8	123.0	126.6	126.4	141.0	135.6	135.3	141.5	131.3	134.0	138.9	135.7	131.4	-3.2	3.0
COMMUNICATION EQUIP.	366	3.9	186.7	196.3	191.8	203.9	209.0	228.1	214.9	202.1	210.0	234.6	228.3	221.3	-3.1	13.7
ELECTRONIC COMPONENTS	367	4.2	198.7	200.9	212.6	223.6	229.2	239.8	229.8	226.5	231.4	238.5	242.3	238.5	-1.6	20.6
TRANSPORTATION EQUIPMENT	37	23.6	121.6	129.1	126.5	133.4	133.7	139.6	128.8	133.9	138.4	141.1	142.7	135.0	-5.4	4.2
MOTOR VEHICLES AND PARTS	371	12.8	124.4	134.5	131.2	139.5	136.6	145.7	129.8	136.3	143.6	148.3	149.5	139.4	-6.8	3.3
AIRCRAFT AND PARTS	372	8.4	100.4	101.7	103.8	107.3	107.2	109.0	105.3	106.4	109.9	109.3	110.4	107.2	-2.9	6.6
SHIPS AND BOATS	373	1.3	164.7	168.3	162.8	171.9	166.4	165.9	169.3	166.7	163.1	168.2	166.7	162.7	-2.4	-3.4
INSTRUMENTS	38	3.1	182.6	187.0	185.6	196.3	196.1	202.4	197.2	193.9	197.3	202.0	204.2	201.0	-1.5	6.2
PHOTOGRAPHIC EQUIPMENT	386	1.4	173.6	173.5	170.8	181.2	179.4	180.5	18							

Table 9B—continued

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1983 AVG.	1983 Q 3	1983 Q 4	1984 Q 1	1984 Q 2	1984 Q 3	1984 APR	MAY	JUNE	JULY	AUG	SEP	PERCENT CHG. FROM PREV. MO.	PERCENT CHG. FROM PREV. YR.
															(P)	(P)
CHEMICALS AND PRODUCTS	28	116.8	122.9	125.1	130.0	126.1	132.0	127.6	132.0	132.6	131.4	129.5	127.1	126.3	-0.6	0.0
BASIC CHEMICALS	281	96.4	107.9	107.8	114.7	110.4	115.8	109.5	116.0	117.1	114.3	111.9	108.8	107.9	-0.9	-0.5
ALKALIES AND CHLORINE	2812	12.3	142.5	148.3	148.9	152.5	163.8	151.1	164.9	160.4	166.2	151.3	152.6	149.4	-2.0	-1.2
BASIC ORGANIC CHEM. NEC	2818	24.8	142.2	142.5	145.5	141.6	146.7	145.7	146.3	146.5	147.3	146.4	146.2	144.4	-1.2	.3
INORGANIC CHEM. NEC	2819	48.6	86.1	85.0	95.5	87.8	95.0	86.1	93.4	96.2	95.2	89.0	85.5	83.8	-2.0	-0.8
ACID AND FERT. MAT'L.S.		18.8	86.3	87.3	91.1	89.6	94.6	89.9	92.7	94.4	96.7	94.0	89.0	86.7	-2.6	-1.1
ERDA		29.8	85.9	83.5	98.3	86.6	95.2	83.7	93.9	97.3	94.3	85.9	83.3	82.0	-1.6	-0.7
SYNTHETIC MATERIALS	282	12.1	188.5	203.6	198.6	194.0	203.4	203.9	201.6	199.5	209.2	206.7	203.1	201.9	-0.6	-1.9
PLASTICS MATERIALS	2821	4.4	206.6	223.3	216.0	218.7	226.3	217.8	230.0	217.9	230.9	219.2	216.7	217.4	.3	0.0
OTHER SYNTHETICS	2822-4	7.7	178.6	193.0	189.2	180.7	191.1	196.4	186.3	189.4	197.5	200.0	195.7	193.5	-1.1	-3.0
DRUGS	283	2.0	240.3	270.1	237.2	223.5	249.3	274.2	238.8	236.9	272.2	277.3	274.7	270.5	-1.5	-2.0
SOAP AND TOILETRIES	284	1.0	156.8	172.1	159.9	150.2	150.9	168.8	144.2	148.6	159.9	170.2	163.7	172.6	5.4	-3.9
FARM CHEMICALS	287	2.7	140.3	133.5	149.0	147.2	151.7	156.0	157.0	151.6	146.4	151.3	157.3	159.4	1.4	18.6
PETROLEUM PRODUCTS	29	22.3	187.6	196.4	186.1	186.1	185.1	189.5	181.0	183.7	190.4	192.0	187.9	188.5	.3	-3.7
RUBBER AND PLASTICS PROD.	30	10.8	191.1	197.2	201.9	204.1	209.5	213.9	205.4	210.2	212.8	206.3	217.1	218.4	.6	4.6
TIRES	301	3.2	106.1	109.5	109.1	107.8	112.3	120.4	104.7	113.1	119.2	112.3	125.8	123.2	-2.1	8.5
RUBBER PRODUCTS NEC	306	2.3	123.4	126.3	129.0	133.4	134.7	135.0	134.8	137.5	131.9	134.9	133.3	136.9	2.7	2.1
PLASTICS PRODUCTS NEC	307	4.8	287.7	297.6	308.2	313.2	324.0	325.7	318.3	323.1	330.5	313.7	329.9	333.5	1.1	5.4
LEATHER AND PRODUCTS	31	1.3	108.5	112.2	108.4	108.0	107.4	106.0	106.0	106.9	109.2	97.1	112.0	109.0	-2.7	-6.9
SHOES	314	.6	94.8	99.4	91.3	92.9	91.5	92.0	90.5	89.3	94.6	85.5	98.8	91.8	-7.1	-9.0
CLAY, GLASS, STONE PRODUCTS	32	20.8	138.0	185.3	147.0	139.7	149.1	158.8	146.0	149.3	152.0	151.4	155.6	157.3	1.1	6.4
FLAT GLASS	321	1.2	104.9	104.5	114.8	111.7	112.9	119.8	111.3	112.6	114.9	118.0	123.5	117.9	-4.6	8.4
PRESSED AND BLOWN GLASS	322	3.5	198.9	209.5	203.1	200.9	208.5	210.1	206.9	209.6	209.2	207.1	210.7	212.6	.9	-2.2
CEMENT	324	8.4	100.0	110.7	109.8	93.0	110.7	119.1	106.1	109.7	116.2	116.5	117.4	123.5	5.2	11.9
STRUCTURAL CLAY PRODUCTS	325	1.3	94.3	97.9	105.0	100.1	102.1	101.3	101.5	102.9	102.0	98.2	100.6	105.2	4.6	3.5
CONCRETE PRODUCTS	327	2.3	183.5	193.3	197.5	197.8	209.7	208.7	209.8	212.9	206.4	211.3	213.2	201.7	-5.4	3.6
PRIMARY METALS	33	132.0	91.5	93.0	99.9	106.6	110.0	100.6	110.1	112.6	107.4	102.3	102.2	97.1	-5.0	2.6
BASIC STEEL & MILL PROD.	331	54.4	78.3	77.1	84.3	93.8	95.0	82.2	98.1	97.3	89.7	83.3	83.4	79.8	-4.3	4.3
IRON & STEEL FOUNDRIES	332	5.9	150.5	152.4	158.0	164.4	175.6	160.3	174.3	178.0	174.4	158.0	161.3	161.6	.2	.1
PRIMARY NONFERROUS METALS	333	59.5	86.0	89.8	96.7	101.2	108.9	102.8	105.7	112.1	109.0	107.2	104.1	97.0	-6.9	5.8
ALUMINUM	3334	53.6	78.3	84.1	89.3	94.8	103.0	98.0	99.4	105.9	103.6	102.5	99.4	92.2	-7.2	7.7
NONFERROUS MILL PRODUCTS	335	8.4	115.4	118.4	121.6	125.8	121.6	113.2	121.6	124.3	118.7	109.3	120.5	109.9	-8.8	-12.1
NONFERROUS FOUNDRIES	336	1.4	150.6	153.7	167.4	167.5	172.4	163.7	177.0	171.2	169.0	161.2	164.1	165.9	1.1	1.6
FABRICATED METAL PRODUCTS	34	14.8	155.3	161.1	161.0	167.6	172.1	176.4	170.5	170.2	175.7	171.9	177.7	179.6	1.0	7.6
METAL CANS	341	1.0	201.0	215.3	200.2	200.9	207.5	216.2	199.0	207.6	216.0	214.6	217.4	216.7	-0.3	-1.4
HARDWARE	342	1.6	142.5	148.9	150.2	151.2	152.9	158.2	151.4	149.5	157.9	156.6	156.3	161.6	3.4	3.4
STRUCTURAL METAL PROD.	344	3.5	134.4	135.9	139.8	145.6	143.1	145.1	145.8	139.5	144.2	146.2	145.0	144.0	-0.7	3.5
FASTENERS	345	1.2	137.2	140.2	145.2	150.3	157.1	163.1	149.8	155.8	165.5	151.7	165.7	172.1	3.8	16.1
METAL STAMPINGS	346	3.1	148.9	155.6	158.9	168.5	173.0	171.4	172.9	170.8	175.4	165.2	171.1	178.0	4.1	11.5
NOELECTRICAL MACHINERY	35	17.3	147.3	156.5	154.4	160.4	165.3	177.2	161.0	163.3	171.5	173.4	178.3	180.0	.9	10.4
ENGINES AND TURBINES	351	1.4	124.3	129.0	127.0	129.5	131.7	135.6	129.7	129.6	135.8	134.4	135.3	133.0	-4.6	1.2
FARM EQUIPMENT	352	1.2	70.0	69.5	68.1	72.5	76.5	77.6	74.3	76.1	79.0	77.5	76.9	78.3	1.7	9.5
CONSTRUCTION EQUIPMENT	353	3.0	117.0	123.6	121.7	129.8	132.5	140.0	131.2	131.7	134.5	138.0	138.7	143.5	3.4	12.0
METALWORKING MACHINERY	354	2.8	112.0	119.0	114.2	124.7	126.6	131.0	126.0	125.0	128.8	127.1	133.0	132.9	-0.1	6.1
SPECIAL INDUSTRY MACH.	355	1.5	138.7	146.5	143.7	149.4	153.2	156.9	150.7	148.7	160.2	152.8	158.4	159.5	.6	2.8
GENERAL INDUSTRIAL MACH.	356	2.7	139.0	146.9	147.8	154.7	159.6	167.9	154.3	159.0	165.5	165.8	165.1	172.8	4.7	11.6
OFFICE AND COMPUTING MACH.	357	1.4	317.0	336.1	338.6	337.6	354.3	422.3	331.6	344.4	386.9	406.3	433.5	427.0	-1.5	23.0
SERVICE INDUSTRY MACH.	358	1.2	134.1	145.6	138.6	145.2	154.3	163.7	150.0	151.5	161.5	166.7	161.0	163.5	1.5	4.8
ELECTRICAL MACHINERY	36	19.2	140.5	149.3	147.6	148.1	154.8	166.5	151.3	151.1	161.8	163.2	166.7	169.7	1.8	9.7
ELECT. DISTRIBUTION EQ.	361	1.8	107.4	112.3	107.4	110.1	112.5	116.4	110.1	109.6	117.8	115.1	117.6	116.5	-0.9	-1.9
ELECT. INDUST. APPARATUS	362	3.5	97.5	102.0	101.2	101.8	103.0	102.8	103.3	101.0	104.6	102.7	103.1	102.5	-0.5	-2.8
HOME APPLIANCES	363	2.2	94.5	95.4	95.0	101.1	101.4	100.7	99.9	100.4	103.9	99.0	99.5	103.8	4.3	3.4
LIGHTING & WIRING PROD.	364	1.5	145.6	152.1	156.5	155.0	156.0	153.4	155.9	151.6	160.4	151.0	147.0	162.2	10.4	-3.8
RADIO AND TV SETS	365	.8	123.0	137.9	125.1	130.5	134.5	147.3	133.4	128.7	141.4	145.4	149.8	146.7	-2.1	3.0
COMMUNICATION EQUIP.	366	3.9	186.7	206.7	194.3	190.8	208.0	240.1	204.6	199.3	220.0	238.6	239.1	242.6	1.5	13.7
ELECTRONIC COMPONENTS	367	4.2	198.7	213.6	210.7	210.8	229.4	255.0	219.2	226.1	242.9	246.9	257.1	260.9	1.5	20.6
TRANSPORTATION EQUIPMENT	37	23.6	121.6	130.0	128.0	130.5	134.3	140.5	127.5	133.7	141.7	138.3	143.2	139.9	-2.4	4.2
MOTOR VEHICLES AND PARTS	371	12.8	124.4	133.1	133.4	136.1	139.2	144.0	130.2	139.1	148.2	140.2	147.8	144.1	-2.5	3.3
AIRCRAFT AND PARTS	372	8.4	100.4	106.7	103.1	102.7	107.1	114.3	103.5	105.7	112.0	114.2	115.3	113.3	-1.7	6.6
SHIPS AND BOATS	373	1.3	164.7	167.9	162.3	174.6	164.3	165.4	168.1	160.3	164.4	165.5	167.5	163.0	-2.7	-3.4
INSTRUMENTS	38	3.1	182.6	200.0	183.6	185.2	195.6	216.4	187.7	191.9	207.2	211.8	218.2	219.1	.4	6.2
PHOTOGRAPHIC EQUIPMENT	386	1.4	173.6	182.7	170.3	170.8	180.4	190.1	173.3	174.4	193.4	188.3	193.1	189.0	-2.1	.8
MISC. MANUFACTURES	39	2.5	145.0	155.2	144.7	142.8	145.4	148.4	143.4	143.6	149.1	148.9	147.5	148.8	.9	-6.1
SUPPLEMENTARY GROUPINGS																
TOTAL, EXCLUDING ERDA		530.6	129.3	134.1	135.4	137.4	142.0	141.1	140.4	142.1	143.4	140.5	142.2	140.6	-1.1	2.9
ELECTRIC UTILITIES		462.6	140.6	146.0	149.0	150.2	156.0	154.8	154.0	156.3	157.8	153.9	156.1	154.4	-1.1	3.6
SALES TO INDUSTRY		457.1	140.6	146.2	149.1	150.2	156.2	155.2	154.1	156.5	158.0	154.1	156.5	154.9	-1.0	3.6
OWN USE		5.5	140.9													
INDUSTRIAL GENERATION		102.9	72.2	72.9	72.0	68.9	70.1	70.2	69.0	69.7	71.6	71.6	69.5	69.3	-0.3	-4.2
SALES TO ELECTRIC UTILITIES		5.1	103.6													
OWN USE		97.8	70.5	70.6	68.8	68.6	69.0	67.7	68.9	69.3	68.6	68.7	67.6	66.7	-1.3	-4.6

P--PRELIMINARY

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 1983.

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

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

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

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

Reliability. The median of the revisions in total IP, without regard to sign, between the first and fourth estimates is 0.3 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 0.3 per cent. (Calculated on the basis of data for the January 1972 to December 1982 period.)

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