

# FEDERAL RESERVE statistical release



G.12.3

For release at 9:30 a.m. (EDT)  
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## INDUSTRIAL PRODUCTION

Industrial production declined an estimated 0.6 percent in September following a revised 0.1 percent gain in August. Production of business and defense equipment increased during the month. Reductions in output occurred in various groupings but were concentrated in metals and motor vehicles. At 165.1 percent of the 1967 average, the index for September was 7.3 percent higher than a year earlier. The average for the third quarter was 1.6 percent higher than the second quarter.

### Market Groupings

Output of total consumer goods decreased 1.0 percent. Production of autos and lightweight trucks was reduced sharply by a one week strike and by inadequate supplies of quality parts. The combined effect--about equally shared by the strike and other production shortfalls--was to reduce assemblies almost 1 million units to an annual rate of 6.9 million units. October assemblies are scheduled by the industry at a rate of 7.9 million units. Among other consumer products, nondurable goods output was down 0.6 percent but production of goods for the home changed little. Business equipment continued to expand in September although at a slower rate than during the past 5 months. Defense equipment output also grew further in September. Production of construction supplies declined following little change in August.

Materials output fell 1.1 percent following a small gain in August. Reflecting the continued production cutbacks in metals, such as steel, and the temporary effect of the auto strike on parts for consumer durables, output of durable materials was reduced sharply during September. Nondurable materials output edged down 0.3 percent further and production of energy materials was reduced again.

### Industry Groupings

Manufacturing output declined 0.7 percent with durables down 0.8 percent and nondurables down 0.4 percent. Total mining output was unchanged during the month but output by utilities was reduced 0.3 percent.

## Industrial Production: Summary

Seasonally adjusted

Item	Index, 1967 = 100		Monthly percent change					Current month from a year ago
	1984		MAY	JUNE	JULY	AUG.	SEP.	
	AUG.	SEP.						
<b>Total</b>	166.1	165.1	.4	1.0	.9	.1	-.6	7.3
<b>Market Groupings</b>								
<b>Products, total</b>	167.5	167.0	.5	1.2	1.3	.1	-.3	7.8
<b>Final products</b>	165.6	164.9	.6	1.2	1.3	.2	-.4	8.4
Consumer goods	163.2	161.6	.2	.8	.6	-.5	-1.0	2.7
Durable goods	162.6	159.0	-.5	1.4	.1	-.7	-2.2	1.0
Nondurable goods	163.5	162.6	.4	.6	.9	-.4	-.6	3.4
Business equipment	188.0	188.5	1.7	2.6	2.3	1.5	.3	18.8
Defense and space	136.4	137.7	-.1	.3	1.8	.4	1.0	13.1
<b>Intermediate products</b>	174.9	174.7	.4	1.1	1.2	-.4	-.1	5.6
Construction supplies	161.3	160.7	-.1	.9	.3	-.1	-.4	6.1
<b>Materials</b>	163.9	162.1	.3	.6	.4	.2	-1.1	6.5
<b>Industry Groupings</b>								
<b>Manufacturing</b>	167.8	166.7	.5	.9	1.0	.2	-.7	7.5
Durable	157.8	156.5	.5	1.0	1.4	.5	-.8	10.5
Nondurable	182.2	181.5	.4	.8	.6	-.1	-.4	4.0
<b>Mining</b>	128.7	128.7	1.4	1.6	2.0	-.7	.0	9.9
<b>Utilities</b>	182.3	181.7	-.2	1.1	-1.3	.2	-.3	1.3

# FEDERAL RESERVE

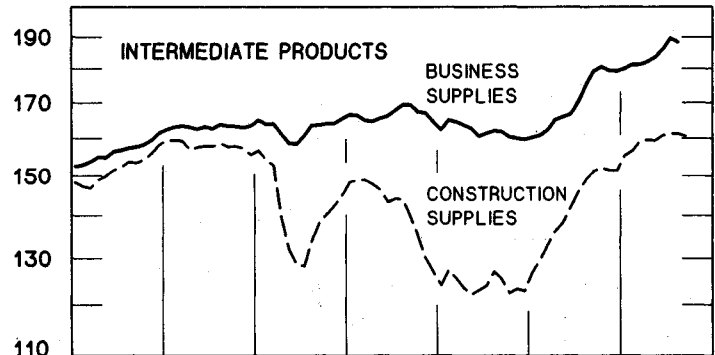
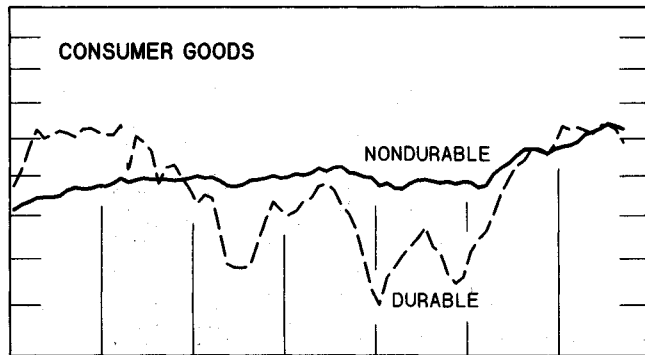
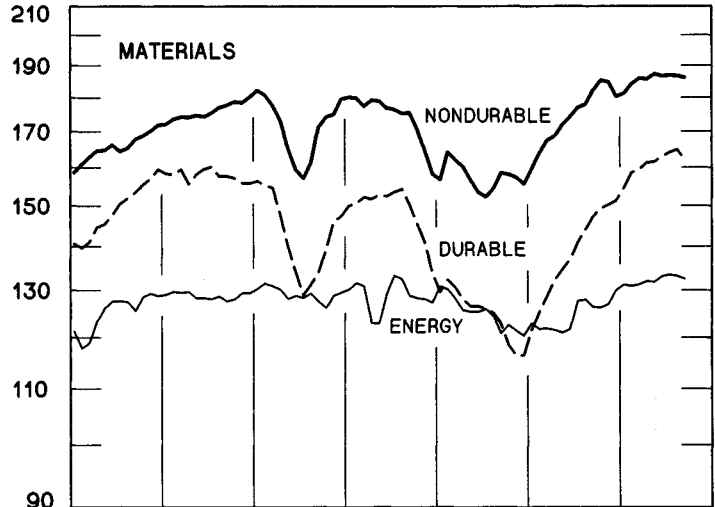
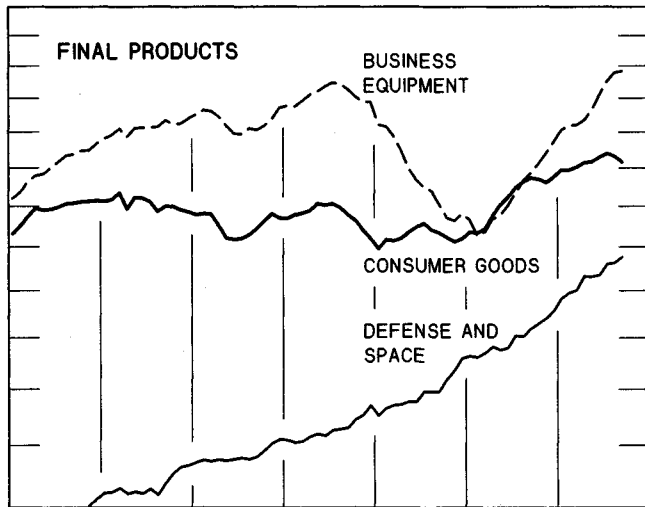
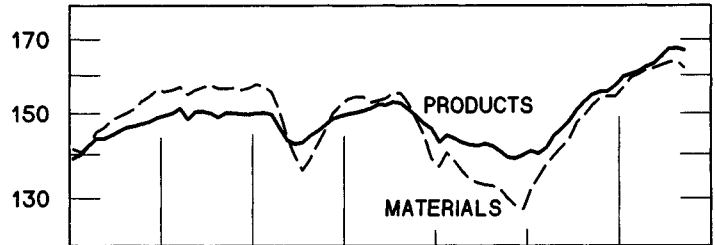


## Industrial Production

### INDUSTRIAL PRODUCTION

SEPTEMBER DATA

SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



1969-70=100

ANNUAL RATE, MILLIONS OF UNITS

1967=100

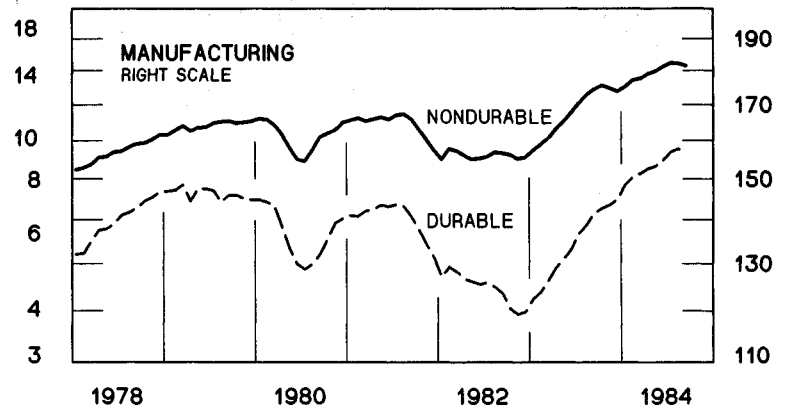
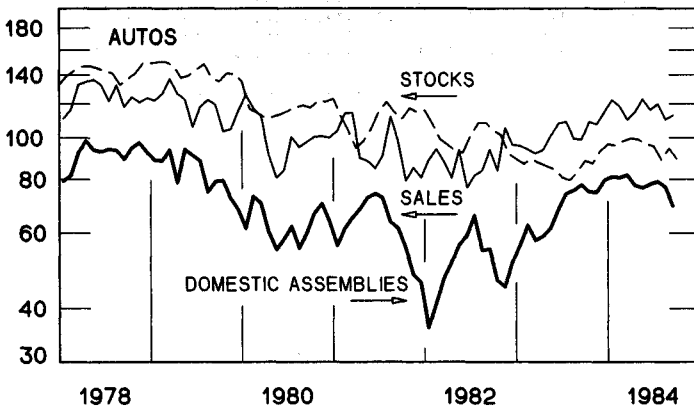


Table 1A

**INDUSTRIAL PRODUCTION: MARKET GROUPINGS**

Seasonally adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967	1983	1983				1984								
	PRO- PORTION	AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
<b>TOTAL INDEX</b>	100.00	147.6	153.8	155.0	155.3	156.2	158.5	160.0	160.8	162.1	162.8	164.4	165.9	166.1	165.1
<b>PRODUCTS, TOTAL</b>	60.71	149.2	154.9	155.6	155.8	157.4	159.7	160.4	161.1	162.5	163.3	165.3	167.4	167.5	167.0
<b>FINAL PRODUCTS</b>	47.82	147.1	152.1	152.7	153.2	155.2	157.5	158.0	158.6	160.2	161.1	163.1	165.2	165.6	164.9
<b>CONSUMER GOODS</b>	27.68	151.7	157.3	156.9	156.1	157.7	159.5	159.4	160.2	161.4	161.7	163.0	164.0	163.2	161.6
<b>EQUIPMENT</b>	20.14	140.8	144.9	147.0	149.1	151.8	154.9	156.1	156.4	158.5	160.3	163.3	166.8	168.8	169.5
<b>INTERMEDIATE PRODUCTS</b>	12.89	156.6	165.4	166.5	165.5	165.4	167.8	169.0	170.2	171.0	171.6	173.5	175.6	174.9	174.7
<b>MATERIALS</b>	39.29	145.2	152.2	154.0	154.5	154.5	156.6	159.4	160.4	161.5	162.0	162.9	163.6	163.9	162.1
<b>CONSUMER GOODS</b>															
<b>DURABLE CONSUMER GOODS</b>	7.89	147.5	157.5	156.7	155.9	158.6	163.4	162.5	163.1	162.2	161.4	163.6	163.8	162.6	159.0
<b>AUTOMOTIVE PRODUCTS</b>	2.83	158.2	172.9	171.3	171.5	178.4	184.5	182.1	184.1	180.9	179.8	184.3	184.9	182.6	172.3
<b>AUTOS &amp; UTILITY VEHICLES</b>	2.03	134.0	153.1	149.2	149.2	157.8	163.3	162.2	164.1	158.4	155.9	158.7	161.0	159.4	145.4
<b>AUTOS, TOTAL</b>	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
<b>AUTO PARTS &amp; ALLIED GOODS</b>	.80	219.6	223.1	227.4	228.2	230.7	238.4	232.6	234.7	238.0	240.6	249.3	245.8	241.3	240.8
<b>HOME GOODS</b>	5.06	141.4	148.8	148.4	147.2	147.5	151.5	151.5	151.3	151.7	151.1	152.0	151.9	151.4	151.5
<b>APPLIANCES, AIR COND &amp; TV</b>	1.40	116.4	125.2	129.2	127.0	126.3	136.4	135.1	134.4	136.1	134.0	134.9	133.9	131.9	134.7
<b>APPLIANCES AND TV</b>	1.33	120.1	129.7	133.3	131.3	130.2	140.0	138.6	138.0	138.8	136.7	138.0	137.4	135.5	
<b>CARPETING AND FURNITURE</b>	1.07	178.1	186.3	185.5	182.7	184.0	183.1	178.7	180.2	181.0	179.6	179.4	179.5	180.2	
<b>MISC. HOME GOODS</b>	2.59	139.9	146.1	143.6	143.4	143.9	146.7	149.1	148.5	148.0	148.6	150.0	150.3	150.1	148.8
<b>NONDURABLE CONSUMER GOODS</b>	19.79	153.4	157.2	157.1	156.1	157.3	157.9	158.2	159.1	161.1	161.8	162.7	164.1	163.5	162.6
<b>CLOTHING</b>	4.29														
<b>CONSUMER STAPLES</b>	15.50	163.7	167.6	167.2	165.4	166.0	166.5	166.9	168.0	170.2	171.6	173.2	174.7	174.2	173.4
<b>CONSUMER FOODS &amp; TOBACCO</b>	8.33	153.5	154.6	156.0	154.5	155.4	156.5	156.8	157.6	160.4	161.0	161.9	163.4		
<b>NONFOOD STAPLES</b>	7.17	175.4	182.7	180.3	178.1	178.3	178.2	178.7	180.1	181.6	183.9	186.3	187.9	187.7	187.4
<b>CONSUMER CHEMICAL PROD</b>	2.63	231.0	240.0	238.7	232.4	229.9	231.6	231.9	231.3	233.4	235.9	241.5	246.9	244.9	
<b>CONSUMER PAPER PRODUCTS</b>	1.92	132.7	138.2	137.6	136.6	137.2	138.8	140.3	141.8	144.0	145.6	147.9	151.5	151.8	
<b>CONSUMER ENERGY PROD</b>	2.62	150.9	157.7	153.0	154.1	156.5	153.4	153.3	156.8	157.1	159.8	159.0	155.3	156.7	
<b>RESIDENTIAL UTILITIES</b>	1.45	173.4	182.8	174.5	175.8	185.2	180.0	172.8	177.7	177.4	181.1	182.4	178.6		
<b>EQUIPMENT</b>															
<b>BUSINESS EQUIPMENT</b>	12.63	153.3	158.7	161.3	164.1	167.3	170.7	171.9	172.1	173.5	176.5	181.1	185.2	188.0	188.5
<b>INDUSTRIAL EQUIPMENT</b>	6.77	120.4	125.6	126.6	128.6	130.8	133.7	134.6	134.8	135.9	138.5	140.4	143.0	144.5	143.8
<b>BUILDING AND MINING EQUIP</b>	1.44	159.3	160.8	166.9	175.8	185.3	185.1	182.0	175.2	173.6	182.9	185.8	190.0	190.9	188.1
<b>MANUFACTURING EQUIPMENT</b>	3.85	107.1	115.0	114.6	114.3	115.1	119.7	120.9	124.2	126.2	127.4	128.6	130.1	131.5	131.1
<b>POWER EQUIPMENT</b>	1.47	117.1	118.8	118.5	119.4	118.4	120.0	123.8	122.7	124.1	124.1	126.7	130.9	132.9	133.4
<b>COM'L, TRANSIT, FARM EQ</b>	5.86	191.3	196.9	201.3	205.1	209.6	213.3	215.1	215.3	217.0	220.5	228.1	233.8	238.4	240.1
<b>COMMERCIAL EQUIPMENT</b>	3.26	273.2	281.7	288.1	292.5	298.9	303.2	305.9	306.9	309.6	315.5	326.3	332.2	337.3	341.7
<b>TRANSIT EQUIPMENT</b>	1.93	95.2	97.6	100.0	103.2	106.0	110.1	110.1	109.2	108.9	109.7	115.1	120.4	125.4	124.6
<b>FARM EQUIPMENT</b>	.67	69.5	70.6	70.9	73.5	73.5	73.6	75.7	75.0	78.0	77.1	76.1	82.0	82.6	
<b>DEFENSE AND SPACE EQUIPMENT</b>	7.51	119.9	121.8	122.9	124.0	125.7	128.3	129.5	130.1	133.2	133.1	133.5	135.9	136.4	137.7
<b>INTERMEDIATE PRODUCTS</b>															
<b>CONSTRUCTION SUPPLIES</b>	6.42	142.5	151.4	152.3	151.6	151.5	155.5	156.6	159.1	159.6	159.5	160.9	161.4	161.3	160.7
<b>BUSINESS SUPPLIES</b>	6.47	170.7	179.3	180.6	179.4	179.3	180.1	181.3	181.3	182.3	183.5	186.1	189.6	188.4	
<b>COMMERCIAL ENERGY PRODUCTS</b>	1.14	184.3	190.2	187.0	187.6	188.0	192.1	191.6	187.0	190.0	190.8	195.3	194.9	192.2	
<b>MATERIALS</b>															
<b>DURABLE GOODS MATERIALS</b>	20.35	138.6	147.4	149.4	150.3	151.3	154.6	158.6	159.5	161.3	161.6	163.0	164.2	164.9	162.0
<b>DURABLE CONSUMER PARTS</b>	4.58	113.6	123.1	124.9	125.0	127.9	131.6	133.1	133.0	133.2	132.6	134.7	135.1	136.5	131.0
<b>EQUIPMENT PARTS</b>	5.44	176.4	186.0	188.3	192.5	193.4	198.2	204.0	206.7	210.9	210.6	214.0	218.8	220.6	219.2
<b>DURABLE MATERIALS NEC</b>	10.34	129.9	137.8	139.8	139.3	139.5	141.8	146.0	146.3	147.7	148.6	148.7	148.3	148.2	145.6
<b>BASIC METAL MATERIALS</b>	5.57	90.2	94.8	98.0	97.1	96.9	97.7	103.0	103.0	105.7	104.5	104.1	103.4	101.7	
<b>NONDURABLE GOODS MATERIALS</b>	10.47	174.5	182.3	185.3	184.8	180.3	181.2	184.1	185.9	185.7	187.4	186.7	186.9	186.7	186.2
<b>TEXTILE, PAPER, &amp; CHEM MAT</b>	7.62	182.6	191.6	195.4	194.7	189.6	190.5	193.9	195.3	195.0	196.8	195.8	196.5	196.4	195.8
<b>TEXTILE MATERIALS</b>	1.85	116.2	123.1	124.0	121.9	121.3	119.9	119.9	120.6	118.9	121.9	119.6	118.8	120.2	
<b>PAPER MATERIALS</b>	1.62	158.2	165.5	166.3	169.8	166.0	167.0	166.8	163.5	166.7	169.2	169.5	172.1	168.3	
<b>CHEMICAL MATERIALS</b>	4.15	221.7	232.4	238.7	237.0	229.3	231.3	237.6	241.1	240.0	241.1	240.2	240.7	241.5	
<b>CONTAINERS, NONDURABLE</b>	1.70	167.9	173.8	175.9	176.6	173.0	173.5	173.0	176.0	175.7	176.6	176.7	176.1	175.3	
<b>NONDURABLE MATERIALS NEC</b>	1.14	130.5	132.7	131.9	130.6	129.5	130.5	135.2	137.7	138.6	140.5	140.5	139.1	138.6	
<b>ENERGY MATERIALS</b>	8.48	124.8	126.4	126.3	127.1	130.0	131.3	131.0	131.3	132.1	131.9	133.2	133.5	133.2	132.5
<b>PRIMARY ENERGY</b>	4.65	114.7	112.9	114.1	115.5	117.6	119.3	121.3	119.6	119.5	119.8	120.1	122.3	122.4	
<b>CONVERTED FUEL MATERIALS</b>	3.82	137.0	142.8	141.2	141.1	145.1	145.8	142.8	145.4	147.3	146.5	149.0	147.2	146.4	
<b>SUPPLEMENTARY GROUPS</b>															
<b>HOME GOODS AND CLOTHING</b>	9.35	129.9	135.5	135.5	135.9	137.6	140.1	140.3	140.1	141.0	139.8	139.6	139.8	139.3	138.7
<b>ENERGY, TOTAL</b>	12.23	135.9	139.1	137.7	138.5	141.1	141.6	141.4	141.9	142.8	143.3	144.5	143.9	143.7	143.2
<b>PRODUCTS</b>	3.76	161.0	167.5	163.3	164.3	166.0	165.1	164.9	166.0	167.1	169.2	170.0	167.3	167.5	
<b>MATERIALS</b>	8.48	124.8	126.4	126.3	127.1	130.0	131.3	131.0	131.3	132.1	131.9	133.2	133.5	133.2	132.5

Table 1B

**INDUSTRIAL PRODUCTION: MARKET GROUPINGS**

Not seasonally adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967	1983				1984									
	PRO- POR- TION	1983 AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
<b>TOTAL INDEX</b>	100.00	147.6	158.4	158.4	154.7	151.5	154.3	160.2	161.5	161.2	161.8	167.5	162.6	168.1	170.3
<b>PRODUCTS, TOTAL</b>	60.71	149.2	162.0	160.3	155.2	151.3	154.1	159.1	160.2	160.0	161.1	169.2	166.1	171.9	175.0
<b>FINAL PRODUCTS</b>	47.82	147.1	159.2	157.5	152.5	149.1	152.4	157.3	158.0	157.5	158.6	167.0	163.4	169.3	172.8
<b>CONSUMER GOODS</b>	27.68	151.7	166.5	163.6	154.6	148.3	153.1	158.7	159.8	159.1	158.6	167.7	161.3	169.1	171.7
<b>EQUIPMENT</b>	20.14	140.8	149.2	149.2	149.6	150.3	151.5	155.3	155.6	155.3	158.5	166.0	166.3	169.5	174.4
<b>INTERMEDIATE PRODUCTS</b>	12.89	156.6	172.3	170.4	165.2	159.2	160.2	166.0	168.0	169.1	170.3	177.4	176.1	181.8	183.1
<b>MATERIALS</b>	39.29	145.2	152.9	155.6	154.0	151.8	154.7	161.8	163.5	163.1	162.9	165.0	157.3	162.3	163.0
<b>CONSUMER GOODS</b>															
<b>DURABLE CONSUMER GOODS</b>	7.89	147.5	161.7	167.9	157.0	147.7	158.2	166.4	169.2	165.8	162.3	168.9	148.5	157.2	165.1
<b>AUTOMOTIVE PRODUCTS</b>	2.83	158.2	171.5	188.5	173.5	161.9	181.4	190.0	198.9	188.8	183.5	193.4	156.6	164.6	175.8
<b>AUTOS &amp; UTILITY VEHICLES</b>	2.03	134.0	146.9	168.7	151.2	135.4	159.6	172.9	184.5	170.5	164.3	173.4	126.5	132.5	145.5
<b>AUTOS, TOTAL</b>	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
<b>AUTO PARTS &amp; ALLIED GOODS</b>	.80	219.6	233.8	238.6	230.0	229.0	236.5	232.5	235.3	235.1	232.2	244.3	233.1	246.2	252.9
<b>HOME GOODS</b>	5.06	141.4	150.2	156.4	147.8	139.8	145.2	153.1	152.6	153.0	150.4	155.2	143.9	153.1	159.1
<b>APPLIANCES, AIR COND &amp; TV</b>	1.40	116.4	131.2	144.2	122.5	104.8	134.9	141.9	141.2	143.1	136.7	136.3	120.7	127.2	141.2
<b>APPLIANCES AND TV</b>	1.33	120.1	137.2	150.1	127.4	108.2	137.6	144.2	143.1	143.5	137.7	138.8	124.4	132.9	
<b>CARPETING AND FURNITURE</b>	1.07	178.1	195.5	198.2	186.9	182.1	173.9	182.3	182.6	183.1	176.5	182.1	161.9	181.1	
<b>MISC. HOME GOODS</b>	2.59	139.9	153.5	147.4	145.3	141.3	139.0	146.7	146.5	145.9	147.0	154.3	149.1	155.5	156.4
<b>NONDURABLE CONSUMER GOODS</b>	19.79	153.4	168.5	161.9	153.7	148.5	151.1	155.7	156.1	156.4	157.1	167.2	166.4	173.8	174.3
<b>CLOTHING</b>	4.29														
<b>CONSUMER STAPLES</b>	15.50	163.7	180.2	171.9	163.1	159.4	160.5	162.6	162.9	163.5	165.5	177.0	180.5	185.7	186.2
<b>CONSUMER FOODS &amp; TOBACCO</b>	8.33	153.5	166.5	164.5	154.5	147.3	147.6	151.2	154.2	155.6	157.9	166.7	164.5		
<b>NONFOOD STAPLES</b>	7.17	175.4	196.1	180.5	173.0	173.3	175.6	175.7	173.1	172.6	174.2	189.0	199.1	203.1	201.4
<b>CONSUMER CHEMICAL PROD</b>	2.63	231.0	261.8	247.0	230.6	216.8	215.4	219.4	219.9	225.1	229.0	254.2	264.5	262.0	
<b>CONSUMER PAPER PRODUCTS</b>	1.92	132.7	148.8	141.1	133.9	130.7	130.7	135.8	136.7	138.8	140.8	150.1	159.2	165.9	
<b>CONSUMER ENERGY PROD</b>	2.62	150.9	164.8	142.7	144.0	161.0	168.5	161.0	152.8	144.8	143.8	152.2	162.6	171.2	
<b>RESIDENTIAL UTILITIES</b>	1.45	173.4	193.5	158.1	155.0	188.6	207.3	187.8	175.6	160.8	155.0	168.2	190.1		
<b>EQUIPMENT</b>															
<b>BUSINESS EQUIPMENT</b>	12.63	153.3	165.4	164.8	164.0	163.3	165.5	170.6	170.7	169.4	173.9	184.8	185.6	189.9	196.3
<b>INDUSTRIAL EQUIPMENT</b>	6.77	120.4	130.2	127.5	129.8	129.4	130.9	135.0	133.7	136.2	142.5	141.4	144.8	148.6	
<b>BUILDING AND MINING EQUIP</b>	1.44	159.3	165.6	170.2	179.7	186.6	184.2	179.7	172.2	170.0	179.3	185.8	188.6	190.1	193.7
<b>MANUFACTURING EQUIPMENT</b>	3.85	107.1	119.5	114.1	114.8	112.5	116.1	122.7	125.9	124.5	125.2	131.3	128.5	132.7	135.7
<b>POWER EQUIPMENT</b>	1.47	117.1	123.4	120.7	120.3	117.2	117.2	123.3	122.1	122.3	122.9	129.3	128.9	132.2	138.2
<b>CON'L, TRANSIT, FARM EQ</b>	5.86	191.3	206.1	207.9	203.5	202.6	205.5	211.8	212.0	210.7	217.4	233.6	236.7	242.0	251.3
<b>COMMERCIAL EQUIPMENT</b>	3.26	273.2	297.4	297.5	290.4	287.5	289.2	299.0	296.4	299.1	307.0	332.8	342.5	350.8	362.1
<b>TRANSIT EQUIPMENT</b>	1.93	95.2	97.5	103.4	103.1	104.8	110.2	110.7	115.6	106.7	114.3	119.5	113.9	117.0	122.7
<b>FARM EQUIPMENT</b>	.67	69.5	74.2	73.2	70.2	71.0	72.1	78.8	79.3	79.9	78.8	79.6	75.8	73.2	
<b>DEFENSE AND SPACE EQUIPMENT</b>	7.51	119.9	121.9	122.8	125.3	128.4	127.9	129.4	130.1	131.5	132.7	134.3	133.9	135.3	137.7
<b>INTERMEDIATE PRODUCTS</b>															
<b>CONSTRUCTION SUPPLIES</b>	6.42	142.5	155.2	155.8	152.2	144.7	146.8	155.5	159.8	161.7	161.1	165.7	159.2	163.5	165.6
<b>BUSINESS SUPPLIES</b>	6.47	170.7	189.3	184.9	178.1	173.7	173.5	176.3	176.2	176.5	179.5	189.0	192.9	200.0	
<b>COMMERCIAL ENERGY PRODUCTS</b>	1.14	184.3	205.7	186.0	178.0	181.1	194.4	186.0	178.6	177.6	180.6	198.3	211.5	211.5	
<b>MATERIALS</b>															
<b>DURABLE GOODS MATERIALS</b>	20.35	138.6	148.4	151.4	150.2	150.0	150.8	160.0	163.0	163.5	164.3	165.7	157.7	161.7	163.1
<b>DURABLE CONSUMER PARTS</b>	4.58	113.6	123.2	127.2	127.7	130.9	129.6	134.2	135.3	135.1	134.1	136.1	122.0	132.2	130.7
<b>EQUIPMENT PARTS</b>	5.44	176.4	186.8	189.4	194.0	197.3	197.4	204.8	208.6	210.7	212.1	215.7	212.0	215.3	219.4
<b>DURABLE MATERIALS NEC</b>	10.34	129.9	139.4	142.1	137.0	133.5	135.6	147.9	151.2	151.1	152.6	152.6	142.2	146.0	147.7
<b>BASIC METAL MATERIALS</b>	5.57	90.2	92.9	98.1	91.4	90.6	97.3	106.9	111.6	111.5	111.0	107.7	94.2	94.4	
<b>NONDURABLE GOODS MATERIALS</b>	10.47	174.5	183.9	189.5	184.8	172.2	177.7	188.0	190.0	188.9	188.4	189.2	175.9	185.0	182.6
<b>TEXTILE, PAPER, &amp; CHEM NAT</b>	7.62	182.6	193.5	198.0	194.3	181.4	186.3	198.0	199.8	199.4	199.1	198.6	185.2	194.0	198.5
<b>TEXTILE MATERIALS</b>	1.85	116.2	126.6	132.1	122.6	111.3	116.6	121.3	123.0	118.5	125.3	123.2	101.8	126.3	
<b>PAPER MATERIALS</b>	1.62	158.2	162.2	169.1	168.1	149.8	165.0	173.9	172.0	170.4	171.2	172.4	160.9	167.2	
<b>CHEMICAL MATERIALS</b>	4.15	221.7	235.6	238.7	236.6	225.1	225.7	241.7	244.9	247.0	243.0	242.6	232.0	234.7	
<b>CONTAINERS, NONDURABLE</b>	1.70	167.9	177.1	182.8	171.1	153.5	167.5	178.7	182.1	178.1	175.3	183.1	168.0	180.7	
<b>NONDURABLE MATERIALS NEC</b>	1.14	130.5	129.6	142.8	141.9	138.6	135.4	135.6	136.6	134.4	136.7	135.7	125.0	131.3	
<b>ENERGY MATERIALS</b>	8.48	124.8	125.6	123.7	125.0	131.2	135.8	133.7	132.1	130.2	128.1	133.2	133.5	135.8	131.3
<b>PRIMARY ENERGY</b>	4.65	114.7	113.3	113.7	115.0	116.8	119.6	122.6	120.9	120.9	120.4	121.0	119.5	122.6	
<b>CONVERTED FUEL MATERIALS</b>	3.82	137.0	140.6	135.8	137.0	148.8	155.4	147.2	145.7	141.6	137.5	147.9	150.9	152.1	
<b>SUPPLEMENTARY GROUPS</b>															
<b>HOME GOODS AND CLOTHING</b>	9.35	129.9	142.4	142.3	134.9	125.8	132.3	142.9	142.9	142.9	139.7	144.5	130.9	142.8	146.3
<b>ENERGY, TOTAL</b>	12.23	135.9	141.5	133.5	134.0	142.2	148.2	144.4	140.8	137.8	136.4	143.3	147.0	150.4	145.1
<b>PRODUCTS</b>	3.76	161.0	177.2	155.8	154.3	167.1	176.3	168.6	160.6	154.8	155.0	166.2	177.5	183.5	
<b>MATERIALS</b>	8.48	124.8	125.6	123.7	125.0	131.2	135.8	133.7	132.1	130.2	128.1	133.2	133.5	135.8	131.3

Table 2A

**INDUSTRIAL PRODUCTION: INDUSTRY GROUPINGS**

Seasonally adjusted, 1967=100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967	1983	1983	1984											
		PRC- POP- TION	1983 AVG. 1	1983 SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
MINING AND UTILITIES		12.05	142.9	146.5	145.8	147.2	151.5	151.4	148.9	150.4	151.3	152.1	154.1	154.3	154.0	153.7
MINING		6.36	116.6	117.1	118.3	121.1	123.7	124.8	124.1	123.8	123.3	125.0	127.0	129.6	128.7	128.7
UTILITIES		5.69	172.4	179.3	176.5	176.3	182.5	181.0	176.5	180.0	182.7	182.3	184.3	181.9	182.3	181.7
MANUFACTURING		87.95	148.2	155.1	156.2	156.4	156.8	159.5	161.4	162.1	163.4	164.2	165.7	167.4	167.8	166.7
NONDURABLE		35.97	168.1	174.6	175.6	174.8	173.9	175.2	177.2	177.6	179.1	179.9	181.3	182.4	182.2	181.5
DURABLE		51.98	134.5	141.6	142.8	143.6	145.0	148.6	150.5	151.4	152.6	153.3	154.9	157.0	157.8	156.5
MINING																
METAL MINING	10	.51	80.9	78.7	81.0	84.6	82.3	89.4	97.4	100.0	98.5	98.0	96.8	96.4	90.9	
COAL	11,12	.69	136.3	140.5	142.7	144.8	145.2	151.5	163.2	164.0	151.4	153.9	161.5	176.5	171.7	174.3
OIL AND GAS EXTRACTION	13	4.40	116.6	116.3	117.3	119.8	123.4	123.1	119.6	118.2	118.8	120.4	121.6	122.4	122.5	122.3
STONE AND EARTH MINERALS	14	.75	122.8	126.5	127.4	132.2	133.9	134.8	133.0	135.8	140.4	144.0	147.9	151.9	151.7	
NONDURABLE MANUFACTURES																
FOODS	20	8.75	156.4	158.2	157.6	157.1	157.7	159.4	160.0	161.2	163.1	164.2	165.1	166.1		
TOBACCO PRODUCTS	21	.67	112.1	112.7	109.1	109.5	112.3	116.4	110.9	111.8	113.3	112.8	118.3	117.1		
TEXTILE MILL PRODUCTS	22	2.68	140.8	148.7	148.7	145.4	145.0	143.9	142.3	143.5	140.0	140.5	140.7	139.8	140.5	
APPAREL PRODUCTS	23	3.31														
PAPER AND PRODUCTS	26	3.21	164.3	170.4	171.5	172.1	170.1	172.3	176.6	173.8	172.4	174.1	174.6	176.3	174.4	174.5
PRINTING AND PUBLISHING	27	4.72	152.5	161.7	162.7	162.0	161.7	163.4	164.8	165.2	166.3	167.5	169.0	173.6	174.2	175.4
CHEMICALS AND PRODUCTS	28	7.74	125.0	124.1	228.4	225.6	221.1	221.5	224.8	225.0	228.3	227.9	231.0	233.0	233.6	
PETROLEUM PRODUCTS	29	1.79	120.3	125.1	123.6	125.4	114.4	118.8	127.6	127.0	126.8	127.9	127.5	124.7	125.0	123.8
RUBBER & PLASTICS PRODUCTS	30	2.24	291.9	310.9	310.8	309.1	314.4	317.2	318.5	323.8	328.0	334.1	341.0	341.4	340.9	
LEATHER AND PRODUCTS	31	.86	61.9	64.2	64.0	63.2	66.0	61.4	63.9	63.9	63.5	61.4	60.0	60.6	62.3	
DURABLE MANUFACTURES																
ORDNANCE, PVT & GOVT	19,91	3.64	95.4	98.0	98.8	99.3	99.8	99.7	99.6	100.6	101.4	100.8	101.7	101.7	105.5	106.6
LUMBER AND PRODUCTS	24	1.64	137.2	142.3	141.7	141.0	143.8	146.0	145.6	149.3	151.2	146.3	148.5	146.0	148.5	
FURNITURE AND FIXTURES	25	1.37	170.5	180.7	181.0	177.5	177.9	183.8	185.6	184.6	186.6	190.5	191.9	192.6	195.1	
CLAY, GLASS, STONE PROD	32	2.74	143.4	151.7	151.9	152.7	153.8	157.8	160.4	160.2	160.0	160.6	159.7	160.9	160.2	
PRIMARY METALS	33	6.57	85.4	90.6	95.3	92.2	90.4	93.2	98.4	97.5	99.3	98.2	97.9	94.5	92.6	89.5
IRON AND STEEL	331,2	4.21	71.5	78.2	84.3	79.2	74.1	80.7	86.0	84.4	84.0	83.5	83.5	76.5	75.3	
FABRICATED METAL PROD	34	5.93	120.2	127.4	126.9	128.5	129.2	131.7	132.8	134.9	135.5	136.5	138.7	140.6	140.0	138.7
NONELECTRICAL MACHINERY	35	9.15	150.6	158.3	159.2	161.8	164.3	169.5	170.9	171.9	174.9	178.8	182.0	186.1	189.5	188.0
ELECTRICAL MACHINERY	36	8.05	185.5	195.8	198.4	200.1	201.5	206.2	209.9	212.0	214.6	214.5	216.0	221.5	222.4	223.5
TRANSPORTATION EQUIP	37	9.27	117.8	124.7	125.5	127.3	130.8	134.9	135.2	135.8	134.5	135.0	137.2	140.6	141.0	136.7
MOTOR VEHICLES & PTS	371	4.50	137.1	150.9	150.9	152.9	158.9	166.3	164.4	165.8	161.9	163.0	165.3	169.0	170.3	160.3
AEROSPACE & MISC	372-9	4.77	99.6	100.0	101.6	103.2	104.3	105.3	107.7	107.5	108.8	108.6	110.8	113.8	113.3	114.5
INSTRUMENTS	38	2.11	158.7	163.6	163.0	163.0	164.6	167.8	168.6	169.7	171.0	171.8	174.5	177.1	177.3	178.0
MISCELLANEOUS MFRS	39	1.51	146.2	151.7	149.1	148.9	149.3	151.1	152.0	152.3	152.1	151.5	150.8	152.4	149.1	148.2
UTILITIES																
ELECTRIC		3.88	196.0	204.5	200.7	200.2	208.0	206.8	200.0	204.6	207.7	206.8	209.6	205.9	206.3	205.5

Table 3A

**INDUSTRIAL PRODUCTION: PERCENT CHANGES**

Based on seasonally adjusted indexes

	1983			1984								
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
<b>CHANGE FROM PREVIOUS MONTH</b>												
TOTAL INDEX	.8	.2	-.6	1.5	.9	.5	.8	.4	1.0	.9	.1	-.6
FINAL PRODUCTS	.4	.3	1.3	1.5	.3	.4	1.0	.6	1.2	1.3	.2	-.4
CONSUMER GOODS	-.3	-.5	1.0	1.1	-.1	.5	.7	.2	.8	.6	-.5	-1.0
DURABLE CONSUMER GOODS	-.5	-.5	1.7	3.0	-.6	.4	-.6	-.5	1.4	.1	-.7	-2.2
NONDURABLE CONSUMER GOODS	-.1	-.6	.8	.4	-.2	.6	1.3	.4	.6	.9	-.4	-.6
BUSINESS EQUIPMENT	1.6	1.7	2.0	2.0	-.7	-.1	.8	1.7	2.6	2.3	1.5	-.3
INTERMEDIATE PRODUCTS	.7	-.6	-.1	1.5	-.7	.7	.5	.4	1.1	1.2	-.4	-.3
MATERIALS	1.2	.3	.0	1.4	1.8	.6	.7	.3	.6	.4	-.4	-.1
DURABLE GOODS MATERIALS	1.4	-.6	-.7	2.2	2.6	.6	1.1	.2	.9	.7	-.4	-1.1
NONDURABLE GOODS MATERIALS	1.6	-.3	-2.4	.5	1.6	1.0	-.1	.9	-.4	.1	-.1	-.3
MANUFACTURING	.7	.1	.3	1.7	1.2	.4	.8	.5	.9	1.0	.2	-.7
NONDURABLE	.6	-.5	-.5	.7	1.1	.2	.8	.4	.8	.6	-.1	-.4
DURABLE	.8	.6	1.0	2.5	1.3	.6	.8	.5	1.0	1.4	.5	-.8
MINING AND UTILITIES	-.5	1.0	2.9	-.1	-1.7	1.0	.6	.5	1.3	.1	-.2	-.2
<b>CHANGE FROM SAME MONTH 1 YEAR AGO</b>												
TOTAL INDEX	14.2	15.1	15.5	15.4	15.9	14.9	13.7	12.7	12.3	10.8	9.4	7.3
FINAL PRODUCTS	10.1	10.8	11.3	12.4	13.8	13.4	12.2	11.5	11.4	10.9	9.9	8.4
CONSUMER GOODS	10.3	10.5	11.1	11.1	11.2	11.0	9.3	7.5	7.0	5.9	4.4	2.7
DURABLE CONSUMER GOODS	23.9	25.1	26.0	24.2	20.9	19.7	15.4	10.9	9.7	7.1	5.4	1.0
NONDURABLE CONSUMER GOODS	5.8	5.5	6.0	6.5	7.6	7.9	7.0	6.2	5.9	5.5	4.1	3.4
BUSINESS EQUIPMENT	9.7	12.1	13.0	16.4	20.5	19.8	18.1	19.5	20.6	20.8	20.1	18.8
INTERMEDIATE PRODUCTS	17.6	16.7	16.9	16.8	16.3	15.2	13.4	12.7	12.3	11.1	7.8	5.6
MATERIALS	18.5	20.3	20.9	18.6	18.2	16.6	15.6	14.3	13.4	10.7	9.5	6.5
DURABLE GOODS MATERIALS	26.1	29.1	29.9	27.2	26.6	23.9	21.8	20.0	19.0	15.4	14.4	9.9
NONDURABLE GOODS MATERIALS	17.1	17.5	15.9	13.5	12.3	11.0	10.1	8.9	7.1	5.6	4.9	2.1
MANUFACTURING	15.7	16.7	16.6	16.7	16.8	15.5	14.2	13.2	12.4	11.2	9.8	7.5
NONDURABLE	12.4	12.6	11.8	11.3	11.4	10.5	9.7	8.8	8.0	6.9	5.4	4.0
DURABLE	18.7	20.4	20.9	21.3	21.5	19.9	18.2	17.0	16.3	14.8	13.7	10.5
MINING AND UTILITIES	3.8	4.8	8.1	7.1	8.3	9.2	8.9	8.9	10.4	7.3	5.5	4.9

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

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967					1983					1984				
		PRO-1	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	
		TION	AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
<b>Mining and Utilities</b>																
Mining		12.05	142.9	148.2	141.6	142.6	152.6	158.4	152.7	149.1	145.6	145.5	152.5	156.7	160.5	155.2
Mining		6.36	116.6	118.4	120.5	122.7	123.2	123.2	124.1	123.3	122.5	125.8	127.7	126.0	128.9	129.8
Utilities		5.69	172.4	181.5	165.1	164.8	185.7	197.7	184.7	178.0	171.4	167.5	180.2	191.2	195.7	183.6
<b>Manufacturing</b>																
Manufacturing		87.95	148.2	160.0	160.7	156.1	150.9	153.9	161.2	163.2	163.3	164.0	169.5	163.6	168.9	172.3
Non-durable		35.97	168.1	183.2	182.1	173.9	164.5	166.8	175.4	177.1	177.6	178.7	185.9	180.1	187.0	190.7
Durable		51.98	134.5	143.9	145.9	143.8	141.4	145.0	151.3	153.6	153.4	153.8	158.2	152.2	156.4	159.5
<b>Mining</b>																
Metal Mining	10	.51	80.9	82.3	81.4	81.2	76.6	83.4	94.6	97.0	98.5	103.9	103.3	96.4	94.3	
Coal	11,12	.69	136.3	145.7	150.4	144.8	135.6	141.2	161.8	168.4	155.0	158.0	167.5	154.6	177.5	181.2
Oil and Gas Extraction	13	4.40	116.6	116.4	118.2	121.6	124.7	124.2	121.2	117.4	117.4	119.2	120.4	120.9	121.5	122.0
Stone and Earth Minerals	14	.75	122.8	129.5	133.7	137.1	134.4	128.1	126.6	133.9	139.0	149.6	150.4	149.3	151.2	
<b>Non-durable Manufactures</b>																
Food	20	8.75	156.4	168.9	168.2	158.2	153.0	151.6	154.2	156.8	158.2	160.3	167.9	166.6		
Tobacco Products	21	.67	112.1	120.6	119.6	112.2	89.4	119.4	117.0	116.0	108.7	107.4	125.9	102.2		
Textile Mill Products	22	2.68	140.8	155.9	157.9	144.7	134.6	133.1	139.7	143.9	142.1	143.9	147.7	129.7	146.1	
Apparel Products	23	3.31														
Paper and Products	26	3.21	164.3	168.6	177.7	170.6	155.6	172.1	179.6	179.0	178.1	176.1	177.9	166.5	172.9	173.6
Printing and Publishing	27	4.72	152.5	177.6	169.1	160.2	153.1	149.0	155.4	156.1	157.6	163.1	173.8	184.4	191.6	192.7
Chemicals and Products	28	7.74	125.0	232.6	230.5	222.6	210.0	211.8	222.3	225.9	229.1	229.0	237.9	234.4	236.4	
Petroleum Products	29	1.79	120.3	128.8	123.6	127.2	117.3	116.4	123.4	120.6	121.4	125.3	130.4	128.4	127.9	127.9
Rubber & Plastics Products	30	2.24	291.9	318.5	320.1	310.1	305.0	304.5	332.0	336.1	329.2	332.4	342.7	315.8	334.1	
Leather and Products	31	.86	61.9	65.1	67.5	63.0	61.9	60.9	66.2	66.0	63.8	63.1	61.1	51.8	62.8	
<b>Durable Manufactures</b>																
Ordinance, Pvt & Govt	19,91	3.64	95.4	97.7	97.3	97.8	100.2	99.7	99.7	101.5	101.3	101.7	103.0	101.4	104.7	106.3
Lumber and Products	24	1.64	137.2	148.0	149.2	139.9	132.6	140.0	145.7	150.0	152.3	146.0	152.4	143.3	153.8	
Furniture and Fixtures	25	1.37	170.5	186.3	183.0	178.9	178.3	179.8	194.0	188.5	186.4	185.0	191.9	175.8	197.5	
Clay, Glass, Stone Prod	32	2.74	143.4	156.0	158.8	156.1	146.1	145.9	152.3	157.0	161.3	162.4	164.6	161.9	166.3	
Primary Metals	33	6.57	85.4	88.1	94.3	86.7	84.8	92.0	101.7	105.2	105.7	104.8	101.1	87.4	88.8	87.4
Iron and Steel	331,2	4.21	71.5	74.6	82.7	73.6	68.5	79.5	88.2	90.4	90.7	90.9	86.0	72.1	72.5	
Fabricated Metal Prod	34	5.93	120.2	129.9	128.1	129.7	128.1	127.6	135.2	137.2	135.4	135.3	139.9	136.9	140.3	141.5
Nonelectrical Machinery	35	9.15	150.6	163.2	162.0	161.8	159.8	163.7	171.1	172.0	172.8	175.6	186.0	187.5	191.4	195.5
Electrical Machinery	36	8.05	185.5	200.2	203.9	202.7	198.8	204.7	210.5	212.1	213.8	214.0	218.7	214.0	220.2	227.5
Transportation Equip	37	9.27	117.8	123.5	130.9	128.6	127.4	133.4	137.6	141.9	137.6	138.1	142.4	128.9	131.4	136.2
Motor Vehicles & Pts	371	4.50	137.1	148.4	161.5	154.2	150.3	163.5	170.0	177.7	167.8	168.6	175.5	147.8	154.7	159.2
Aerospace & Misc	372-9	4.77	99.6	100.0	102.1	104.4	105.7	105.1	107.2	108.1	109.2	109.3	111.2	111.1	109.5	114.5
Instruments	38	2.11	158.7	168.3	164.3	165.1	164.6	162.9	165.9	167.0	167.6	170.6	177.9	178.0	179.3	182.6
Miscellaneous Mfrs	39	1.51	146.2	162.3	155.1	150.5	144.2	140.5	149.4	149.8	150.6	150.0	154.0	150.6	155.9	158.6
<b>Utilities</b>																
Electric		3.88	196.0	211.9	187.3	184.1	208.4	224.7	205.4	197.4	189.7	187.0	207.6	224.2	230.4	212.7

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
<b>INDEX</b>																	
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	107.4	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
<b>CHANGE*</b>																	
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

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	1983 AVG.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.
<b>METAL MINING</b>	10	.51														
IRON ORE	101,6	.24	54.3	64.8	55.4	63.1	57.6	51.6	63.4	79.7	81.3	84.0	77.4	75.6	80.9	
NONFERROUS ORES	102-5,8,9	.27	104.5	102.8	107.9	101.6	110.6	108.2	111.4	108.9	108.4	100.7	102.6	108.2	123.6	
COPPER ORE	102	.14	121.8	116.4	126.9	114.8	129.3	124.5	125.6	118.2	118.8	115.1	117.2	131.9	154.0	
LEAD AND ZINC ORES	103	.03	72.4	81.1	73.9	71.6	73.4	67.6	79.2	73.9	72.1	49.5	54.8	38.0	57.4	
<b>ANTHRACITE</b>	11	.03	37.0	37.6	37.8	39.4	36.1	40.2	37.2	46.1	37.6	37.8	35.5	35.9	42.1	38.3
<b>BITUMINOUS COAL</b>	12	.66	140.3	153.1	134.0	138.5	144.1	154.0	174.6	174.4	172.0	156.6	149.6	159.0	186.2	188.3
<b>OIL AND GAS EXTRACTION</b>	13	4.40														
CRUDE OIL & NATURAL GAS	131	3.61	95.0	93.7	94.7	94.1	94.5	95.3	97.0	95.5	94.8	97.7	96.6	96.4	96.2	96.2
ALASKA, CALIF. CRUDE		2.94	95.1	94.3	95.4	94.4	94.0	94.6	96.4	94.6	93.5	97.0	95.7	95.5	95.9	95.9
Texas Crude		.31	265.6	258.6	265.1	260.7	259.4	263.7	266.7	268.1	266.3	282.4	273.7	279.3	274.3	268.9
LA. AND OTHER CRUDE		1.07	80.6	80.4	79.5	79.9	79.2	79.8	81.7	80.5	78.7	80.8	81.4	80.1	80.6	81.1
NATURAL GAS		1.57	71.7	71.8	73.1	71.9	71.8	71.7	73.3	70.4	69.9	71.9	70.8	70.1	71.4	72.2
NATURAL GAS LIQUIDS	132	.67	94.7	91.0	91.5	92.9	96.7	98.5	99.6	99.2	100.7	100.9	100.2	100.5		
LP PROPANE		.30														
LP MATERIALS		.04														
OIL AND GAS DRILLING	138	.26														
		.50	280.5	269.5	277.9	291.6	312.5	338.4	331.5	312.0	294.6	284.2	305.6	311.8	314.7	313.3
<b>FOODS</b>	20	8.75														
<b>MEAT PRODUCTS</b>	201	1.17	123.5	124.4	124.2	127.1	124.0	125.5	121.9	122.4	123.1	124.9	132.0	126.5	126.8	121.7
BEEF		.40	114.4	118.0	121.7	119.4	113.7	118.9	111.0	112.0	113.8	114.8	124.9	120.7	120.5	117.7
PORK		.55	121.0	122.6	120.9	127.9	125.6	124.9	118.5	116.2	117.7	117.9	125.3	122.2	120.7	115.2
MISC. MEATS		.22	145.8	140.0	136.6	138.8	138.6	138.7	150.1	156.4	152.9	160.5	161.4	147.9	152.9	145.0
<b>DAIRY PRODUCTS</b>	202	1.14	143.1	142.4	145.2	146.7	148.3	146.7	144.5	144.3	143.4	142.4	142.0	140.3	141.4	143.4
BUTTER	2021	.04	106.6	100.4	106.8	108.2	109.5	103.5	103.8	98.1	98.1	93.1	83.8	76.9	80.1	126.9
CHEESE	2022	.07	348.5	336.7	367.7	381.7	389.6	383.7	362.8	350.5	347.4	337.9	334.0	321.6	329.5	373.5
CONCENTRATED MILK	2023	.12	68.4	67.3	70.1	75.9	82.1	70.8	66.7	62.6	59.7	56.5	56.1	50.3	53.3	65.6
FROZEN DESSERTS	2024	.13	157.7	158.6	160.6	159.3	160.2	160.9	154.8	165.8	161.2	161.4	161.8	160.4	159.8	127.5
<b>CANNED AND FROZEN FOODS</b>	203	1.18	180.6	181.6	177.9	180.1	175.0	180.3	177.4	185.8	190.9	197.7	190.9	199.3	206.1	205.8
GRAIN MILL PRODUCTS	204	.95	171.7	174.6	182.9	172.0	169.1	172.1	177.0	175.8	175.3	175.8	179.6	179.7	174.7	175.1
FLOUR & CORN MILL.	2041,6	.28	124.6	126.8	129.3	124.3	119.5	119.7	123.1	125.4	125.6	121.3	126.7	127.6	113.0	115.1
<b>BAKERY PRODUCTS</b>	205	1.15	130.2	132.5	137.1	133.8	132.2	135.1	136.8	140.8	144.3	142.9	146.1	150.4	148.9	150.0
SUGAR	206	.21														
CONFECTIONERY	207	.41														
<b>BEVERAGES</b>	208	1.58	201.2	205.9	203.1	209.8	203.5	200.2	205.1	216.9	211.0	208.5	204.7	206.6	209.2	207.4
BEER AND ALE	2082,3	.52	166.4	162.9	164.8	175.6	169.0	151.4	164.6	170.6	182.1	162.6	166.3	165.9	170.8	
WINES AND BRANDY	2084	.07	316.2	351.5	351.4	398.5	290.8	292.7	261.8	284.7	285.4	333.4	304.0	306.3		
LIQUORS	2085	.24	123.8	124.4	133.2	136.3	115.9	109.7	121.4	125.9	119.1	127.3	124.0	124.6		
SOFT DRINKS	2086,7	.74	240.8	250.0	239.9	241.3	248.7	255.8	255.9	273.3	254.7	256.4	249.2	253.3	246.8	250.7
<b>MISC. FOOD PREPARATIONS</b>	209	.97	164.7	169.6	174.2	170.6	163.9	164.8	164.6	158.8	165.1	163.3	169.5	170.2	168.8	169.7
FATS AND OILS	2091-4,6	.30	147.8	153.8	163.5	150.1	139.1	139.4	143.0	136.5	139.3	142.4	147.5	144.2	137.7	135.7
COFFEE, MISC. FOOD	2095,7-9	.67	172.4	176.8	179.1	180.0	175.1	176.3	174.4	168.9	176.8	172.8	179.5	182.0	182.9	
<b>TOBACCO PRODUCTS</b>	21	.67														
CIGARETTES	211	.54	114.1	120.5	117.5	110.4	108.5	104.5	120.2	108.1	120.1	113.1	108.7	116.8	118.2	
CIGARS	212	.07	53.0	49.0	54.2	56.9	55.1	59.3	61.3	53.0	49.0	47.8	54.6	54.8	57.5	
<b>TEXTILE MILL PRODUCTS</b>	22	2.69														
<b>FABRICS</b>	221-4	1.05	102.4	112.9	116.6	112.6	103.9	103.9	96.5	96.4	101.0	98.2	100.9	105.6	113.9	108.3
COTTON FABRICS	221,4	.60	67.7	71.4	72.3	70.1	69.1	63.8	72.5	67.6	65.8	66.7	67.8	62.5	67.7	64.6
HAN-MADE FABRICS	222	.30														
WOOL FABRICS	223	.14														
<b>KNIT GOODS</b>	225	.63	187.2	182.1	192.9	195.6	185.3	204.5	197.1	190.3	200.4	183.1	182.8	186.9	198.8	182.5
HOSIERY	2251,2	.21	237.7	216.4	228.7	240.7	235.3	285.4	265.1	239.5	262.6	224.5	240.4	231.6	262.9	218.9
KNIT GARMENTS	2253-9	.42	161.6	164.7	174.7	172.7	160.0	163.4	162.6	165.4	168.9	162.0	153.5	164.2	166.3	164.0
<b>FABRIC FINISHING</b>	226	.23	121.5	127.4	122.8	129.4	130.7	123.3	120.2	129.8	126.3	122.9	123.8	118.1	132.7	124.4
CARPETING	227	.20	223.9	245.2	235.0	228.3	224.5	222.5	199.9	166.0	185.7	187.7	187.2	188.4	192.0	177.2
YARN & MISC. TEXTILES	228,9	.57	139.5	144.9	150.8	155.7	150.8	145.4	143.4	150.7	152.9	144.0	153.8	145.3	139.6	151.1
<b>APPAREL PRODUCTS</b>	23	3.33														
<b>MEN'S CLOTHING</b>	231-2	1.06	111.4													
MEN'S SUITS AND COATS	231	.34	94.6													
MEN'S FURNISHINGS	232	.69	121.3													
WOMEN'S CLOTHING	233	1.05	136.4													
MISC. APP. & ALLIED GDS	234-9	1.20	112.0													
<b>LUMBER AND PRODUCTS</b>	24	1.64														
<b>LOGGING AND LUMBER</b>	241,2	.82	102.3	102.8	104.1	107.1	102.3	102.1	111.2	104.0	113.3	107.7	103.4	112.5	104.9	112.8
LUMBER	242	.59	92.4	89.6	90.6	95.5	91.8	94.4	102.1	94.6	107.0	101.0	93.4	106.3	96.2	
LUMBER PRODUCTS	243,4,9	.82	171.9	177.8	183.4	179.9	181.6	181.0	185.2	185.8	184.5	191.6	185.0	183.9	190.7	186.9
MILLWORK AND PLYWOOD	243	.50	198.9	207.8	212.3	208.7	211.6	207.7	213.5	216.0	214.2	226.7	216.7	214.5	228.8	
PLYWOOD, PREFAB PROD	2432,3	.29	234.8	242.2	246.7	242.8	247.4	240.8	247.9	252.7	245.0	264.8	249.8	245.1	270.7	
<b>FURNITURE AND FIXTURES</b>	25	1.37														
HOUSEHOLD FURNITURE	251	.87	168.3	173.8	175.4	175.2	173.1	175.1	177.6	178.2	180.6	176.5	177.5	179.8	180.3	179.5
FIXTURES, OFF. FURN.	252,4,9	.42	186.2	203.0	204.0	199.1	188.9	197.6	203.0	210.1	206.5	209.3	226.3	229.2	238.7	244.0

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- 1 1967 1967	1983 AVG.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.
<b>METAL MINING</b>	10	.51														
IRON CRE	101,61	.24	54.3	67.7	55.5	54.8	47.5	43.9	51.6	75.2	78.9	88.1	96.9	96.6	88.6	
NONFERROUS ORES	102-5,8,9	.27	104.5	98.6	106.3	105.1	111.3	105.7	111.8	112.0	113.1	106.5	106.9	109.3	103.4	
COPPER CRE	102	.14	121.8	110.6	124.0	120.7	130.3	119.3	126.1	123.9	125.3	124.6	124.6	133.9	120.1	
LEAD AND ZINC CRES	103	.03	72.4	78.4	72.8	72.2	72.4	65.7	76.7	79.0	78.0	52.2	54.1	38.5	51.8	
<b>ANTHRACITE</b>	11	.03	37.0	41.4	41.7	42.7	39.5	35.5	32.7	40.6	39.4	36.2	37.0	37.4	36.8	42.2
<b>BITUMINOUS COAL</b>	12	.66	140.3	148.8	150.0	154.8	149.1	139.7	145.6	166.7	173.7	159.9	162.9	172.8	159.4	183.0
<b>OIL AND GAS EXTRACTION</b>	13	4.40														
CRUDE OIL & NATURAL GAS	131	3.61	95.0	93.5	94.1	94.2	94.9	95.7	96.7	96.8	95.2	97.0	96.3	96.0	95.8	95.9
CRUDE OIL, TOTAL		2.94	95.1	94.5	95.3	95.1	94.7	94.6	95.6	94.9	93.6	96.1	95.7	95.1	95.6	96.1
ALASKA, CALIF. CRUDE		.31	265.6	264.3	269.1	266.7	265.9	264.8	267.0	267.6	265.0	274.5	267.7	271.8	273.2	274.8
TEXAS CRUDE		1.07	80.6	80.1	79.3	80.2	79.4	80.0	80.8	80.6	79.2	81.0	81.5	80.0	80.4	80.8
LA. AND OTHER CRUDE		1.57	71.7	71.3	72.4	71.8	71.7	71.3	72.3	71.0	70.0	71.7	71.8	71.0	71.3	71.7
NATURAL GAS		.67	94.7	88.7	88.8	90.0	96.1	100.8	101.4	104.9	102.5	101.0	99.0	100.0		
NATURAL GAS LIQUIDS	132	.30														
LP PROPANE		.04														
LP MATERIALS		.26														
OIL AND GAS DRILLING	138	.50	280.5	271.4	283.5	299.8	323.8	349.9	336.1	307.6	286.9	272.8	294.6	306.8	310.9	315.5
<b>FOODS</b>	20	8.75														
HEAT PRODUCTS	201	1.17	123.5	125.1	128.9	136.7	132.7	123.5	120.4	120.4	124.4	123.9	125.1	124.6	115.9	122.7
BEEF		.40	114.4	121.1	124.6	125.7	115.5	115.0	114.0	115.5	113.1	110.4	117.8	120.7	115.3	120.8
PORK		.55	121.0	115.5	122.6	136.5	141.2	127.3	118.7	117.0	126.1	123.8	118.3	113.6	100.1	108.5
MISC. MEATS		.22	145.8	155.7	152.3	156.8	142.2	129.4	136.3	137.5	140.4	148.3	154.8	158.8	155.8	161.2
DAIRY PRODUCTS	202	1.14	143.1	144.8	142.4	139.8	139.0	139.5	138.0	141.6	144.7	146.9	148.8	151.4	147.1	144.8
BUTTER	2021	.04	106.6	78.3	81.8	97.5	96.0	103.2	122.4	114.6	105.8	107.6	98.8	79.6	70.8	99.0
CHEESE	2022	.07	348.5	327.9	334.3	338.7	346.7	363.4	336.0	342.8	359.2	373.8	381.1	378.9	339.2	363.8
CONCENTRATED MILK	2023	.12	68.4	65.8	59.1	58.0	59.9	61.7	60.9	60.3	60.7	66.3	70.5	68.2	61.8	64.1
FROZEN DESSERTS	2024	.13	157.7	191.8	171.8	143.4	129.0	118.9	115.2	144.7	162.7	166.2	176.3	206.1	198.8	154.1
CANNED AND FROZEN FOODS	203	1.18	180.6	194.3	215.4	209.4	180.4	166.6	159.5	172.4	176.8	182.5	180.8	195.9	204.7	220.2
GRAIN MILL PRODUCTS	204	.95	171.7	181.5	188.3	181.8	173.5	173.9	175.1	174.4	171.1	167.5	171.5	176.0	173.0	182.0
FLOUR & CORN HILL.	2041,6	.28	124.6	132.3	132.0	131.8	120.0	117.8	119.2	128.5	125.0	121.4	122.6	122.6	109.2	120.0
BAKERY PRODUCTS	205	1.15	130.2	144.8	150.9	139.3	130.6	130.1	128.2	130.5	134.4	134.8	140.3	154.9	161.6	163.9
SUGAR	206	.21														
CONFECTIONERY	207	.41														
BEVERAGES	208	1.58	201.2	225.7	217.6	216.9	193.6	183.0	187.5	192.2	200.7	204.8	208.2	225.5	225.5	227.3
BEER AND ALE	2082,3	.52	166.4	180.7	161.8	161.0	140.3	125.8	145.7	158.5	178.8	179.0	183.9	194.3	196.9	
WINES AND BRANDY	2084	.07	316.2	313.9	350.0	479.8	352.5	337.5	250.0	253.7	302.5	304.1	290.0	302.6		
LIQUORS	2085	.24	123.8	118.6	140.2	164.1	130.5	108.1	113.0	113.7	123.8	124.1	119.8	132.5		
SOFT DRINKS	2086,7	.74	240.8	284.5	270.4	250.5	237.8	234.1	235.7	236.1	232.3	240.5	247.0	271.0	278.4	285.3
MISC. FOOD PREPARATIONS	209	.97	164.7	162.6	166.5	170.5	168.9	172.1	171.6	169.2	167.0	165.5	166.0	163.1	157.1	163.2
FATS AND OILS	2091-4,6	.30	147.8	138.4	148.3	154.5	148.7	152.0	154.8	149.8	148.9	140.7	140.1	135.7	118.2	122.2
COFFEE, MISC. FOODS	2095,7-9	.67	172.4	173.6	174.8	177.8	178.1	181.2	179.3	178.0	175.2	176.8	177.7	175.6	174.7	
<b>TOBACCO PRODUCTS</b>	21	.67														
CIGARETTES	211	.54	114.1	127.5	120.4	120.0	112.1	83.7	122.1	116.4	117.8	109.6	106.7	130.1	101.3	
CIGARS	212	.07	53.0	51.9	59.7	68.5	58.3	42.9	57.4	57.0	50.4	46.8	56.2	57.4	43.4	
<b>TEXTILE MILL PRODUCTS</b>	22	2.69														
FABRICS	221-4	1.05	102.4	113.6	114.7	115.1	105.5	98.2	100.2	100.8	105.0	99.6	105.2	108.2	92.5	109.0
COTTON FABRICS	221,4	.60	67.7	71.6	70.9	72.6	70.7	59.3	74.3	70.8	69.3	68.1	69.9	63.8	56.1	64.8
HAN-MADE FABRICS	222	.30														
WOOL FABRICS	223	.14														
KNIT GOODS	225	.63	187.2	196.9	210.7	200.8	181.7	179.6	169.1	184.8	196.9	186.3	184.5	206.2	196.8	197.3
HOSIERY	2251,2	.21	237.7	219.4	239.0	239.3	228.2	238.6	232.0	245.2	274.9	250.3	234.0	254.8	260.8	222.0
KNIT GARMENTS	2253-9	.42	161.6	185.5	196.3	181.3	158.1	149.7	137.2	154.1	157.3	156.9	157.3	181.6	164.3	184.7
FABRIC FINISHING	226	.23	121.5	130.3	123.6	132.8	130.1	117.6	121.4	133.1	134.3	127.0	131.0	127.0	96.4	127.3
CARPETING	227	.20	223.9	234.5	256.3	262.9	234.0	215.3	173.3	156.1	182.1	197.0	189.1	191.0	177.8	169.2
YARN & MISC. TEXTILES	228,9	.57	139.5	151.1	149.6	163.1	150.8	132.7	144.6	154.1	154.6	149.7	159.7	149.0	121.0	157.6
<b>APPAREL PRODUCTS</b>	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														
<b>LUMBER AND PRODUCTS</b>	24	1.64														
LOGGING AND LUMBER	241,2	.82	102.3	107.4	111.1	115.2	98.8	91.9	101.6	103.4	110.0	110.5	102.6	117.1	106.5	117.4
LUMBER	242	.59	92.4	90.4	95.7	101.7	87.2	81.7	95.5	97.7	108.1	108.9	94.2	108.3	93.5	
LUMBER PRODUCTS	243,4,9	.82	171.9	181.5	184.7	183.0	180.7	173.0	178.8	187.7	189.7	193.8	189.1	187.4	179.9	190.6
MILLWORK AND PLYWOOD	243	.50	198.9	215.7	215.7	213.8	208.7	194.8	205.6	217.3	221.1	228.8	222.5	219.8	213.3	
PLYWD. PREFAB PROD	2432,3	.29	234.8	251.2	249.3	249.7	242.4	219.0	290.4	260.5	260.7	270.8	260.0	249.2	240.6	
<b>FURNITURE AND FIXTURES</b>	25	1.37														
HOUSEHOLD FURNITURE	251	.87	168.3	178.0	181.6	178.7	175.0	174.6	174.7	188.2	182.7	177.4	173.1	180.1	158.3	183.8
FIXTURES, OFF. FURN.	252,4,9	.42	186.2	198.5	209.3	204.1	192.7	196.0	201.8	219.8	210.8	208.3	221.1	228.7	221.0	238.6



Table 4A--continued

**INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES**

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967					1968										
		PRO- TION	1983 AVG.	1983 AUG.	1983 SEP.	1983 OCT.	1983 NOV.	1983 DEC.	1968 JAN.	1968 FEB.	1968 MAR.	1968 APR.	1968 MAY	1968 JUNE	1968 JULY	1968 AUG.	
<b>PAPER AND PRODUCTS</b>	261	3.211															
PULP AND PAPER	261-3	1.381	153.5	154.3	164.7	159.0	162.1	161.5	160.3	161.2	159.3	156.7	159.1	159.6	170.0	158.9	
WOOD PULP	2611	.501	143.1	141.9	155.0	147.5	151.8	150.5	145.3	152.0	149.9	136.7	148.2	147.9	155.5		
PAPER	2621	.541	162.0	166.9	171.9	170.7	170.6	170.4	170.4	166.7	165.7	169.8	164.9	166.9	180.0	164.7	
PAPERBOARD	2631	.341	155.5	152.6	167.9	157.8	164.1	163.8	166.6	166.0	163.2	165.4	166.2	165.3	176.0	165.3	
CONVERTED PAPER PROD.	2641	.931	194.1	201.2	202.1	204.8	202.6	205.6	204.8	204.2	203.1	204.7	202.9	203.2	212.2	201.8	
SANITARY PAPER PRCD.	26471	.181															
PAPERBOARD CONTAINERS	2651	.841	155.4	157.3	159.5	164.4	156.2	160.2	177.6	163.2	165.9	162.8	157.6	162.7	166.1	165.1	
BUILDING PAPER AND BOARD	2661	.061															
<b>PRINTING AND PUBLISHING</b>	271	4.721															
NEWSPAPERS	2711	1.381	110.3	111.7	112.8	112.4	114.0	112.9	112.0	118.7	116.7	114.5	115.3	114.2	120.5	121.6	
PERIOD., BOOKS, CARDS	272, 3, 71	1.381	138.8	145.0	146.1	145.6	143.3	144.4	148.7	151.5	151.4	153.2	155.3	157.1	163.7	164.3	
JOB PRINTING	274-6, 8, 91	1.961	192.0	199.5	206.4	207.2	202.7	208.1	214.7	212.4	211.3	207.8	210.5	212.1	218.9	221.7	
<b>CHEMICALS AND PRODUCTS</b>	281	7.741															
CHEMICALS & SYN. MAT.	281, 21	3.791	226.2	226.8	236.8	243.0	241.2	234.0	241.4	248.2	244.1	243.6	244.1	240.7	242.9	240.9	
BASIC CHEMICALS	2811	2.541	175.1	173.1	179.7	185.6	187.5	181.3	186.0	190.9	188.7	188.7	189.6	187.6	186.5	186.1	
ALKALIES & CHLORINE	28121	.141	108.5	114.3	115.2	109.4	112.9	104.0	108.7	109.3	118.3	124.7	120.4	124.9	118.0		
GASES, ETC.	2813, 5, 61	.481	177.4	163.3	188.7	207.9	197.1	179.6	203.4	203.3	200.5	196.2	195.8	180.9	178.9		
BASIC ORG. CHEM.	28181	1.181	220.9	223.4	224.0	228.5	232.4	230.1	226.6	236.2	233.2	234.5	236.3	235.2	234.1	230.0	
INORG. CHEM. NEC	28191	.751	114.4	111.5	116.7	118.6	125.0	120.6	125.9	127.2	124.7	124.4	125.6	128.9	129.5	127.0	
ACIDS & FERTILIZER MAT.	2821	.551	121.2	116.6	124.9	126.5	134.4	128.9	135.2	135.3	134.1	131.9	133.4	135.8	139.6	137.0	
SULFURIC ACID, ETC.	28211	.411	114.7	112.1	117.7	118.8	125.7	123.4	128.8	128.3	128.8	126.6	128.2	128.1	132.0	129.3	
FERTILIZER MATERIALS	2822	.141	140.0	129.4	145.9	148.9	159.5	144.8	153.5	155.8	149.6	147.3	148.3	158.3	161.5	159.4	
ERDA NUCLEAR FUELS	2823	.151	85.3	87.7	83.0	86.4	89.8	87.7	90.9	97.0	86.9	93.9	94.0	101.7	91.1	87.8	
SYNTHETIC MATERIALS	2821	1.251	330.3	336.1	353.0	359.9	350.6	341.4	354.1	365.0	356.9	355.3	354.9	349.1	357.7	352.6	
PLASTICS MATERIALS	28211	.541	146.0	148.6	152.6	153.0	152.7	148.9	153.4	161.4	157.5	156.2	156.0	152.8			
SYNTHETIC RUBBER	28221	.131	109.2	106.2	114.6	120.1	127.7	117.8	126.2	118.6	125.6	126.5	129.2	134.0			
MAN-MADE FIBERS	2823, 41	.581	236.2	249.5	250.0	256.7	239.8	254.7	240.7	239.0	232.8	239.6	238.4	232.2	233.1	229.0	
CHEMICAL PRODUCTS	283-7, 91	3.951	204.0	212.3	213.4	211.0	203.8	203.2	209.1	209.8	209.2	210.2	209.6	217.2	222.6	222.7	
DRUGS AND MEDICINES	2831	1.341	280.6	293.3	294.7	284.7	275.1	277.9	283.9	286.2	281.0	292.2	284.8	297.6	302.6	306.8	
SOAP AND TOILETRIES	2841	1.291	179.1	188.8	188.1	185.6	178.3	177.6	179.8	178.4	179.0	173.0	177.2	185.6	194.0	191.2	
PAINTS	2851	.431	118.3	129.0	127.3	126.8	111.9	116.7	132.6	130.6	135.2	132.5	138.2	144.3	141.7	140.9	
AGRICULTURAL CHEMICALS	2871	.331	197.3	189.0	195.1	213.1	220.7	202.5	208.5	208.5	215.2	215.5	210.3	209.3	222.9	221.4	
<b>PETROLEUM PRODUCTS</b>	291	1.791															
PETROLEUM REFINING	291, 91	1.641	119.4	119.5	125.1	122.0	124.8	114.4	118.2	127.3	125.3	126.4	127.1	127.6	123.5	122.5	
AUTOMOTIVE GASOLINE	2911	.841	128.2	127.5	131.7	128.7	133.6	124.4	124.0	132.9	134.1	136.9	135.8	132.9	126.4	125.9	
DISTILLATE FUEL OIL	2912	.291	111.3	117.8	124.5	119.8	117.6	110.3	111.8	125.3	115.4	114.3	126.1	132.7	125.7	121.1	
RESIDUAL FUEL OIL	2913	.051	112.0	98.7	112.6	114.3	112.8	108.2	110.8	119.7	113.9	114.7	114.7	118.3	111.3	114.8	
AVIATION FUEL & KEROCS.	2914	.171	97.7	95.0	101.9	100.2	104.7	92.0	108.2	109.0	102.0	100.9	95.8	109.4	113.1	116.1	
MISC. PETROLEUM PRCD.	2915	.281															
REFINERY FUEL NEC	29151	.061															
REFINERY NONFUEL MAT.	29152	.141															
REFINERY PRODUCTS NEC	29153	.081															
<b>RUBBER &amp; PLASTICS PRCD.</b>	301	2.241															
TIRES	3011	.601	152.7	175.3	164.3	159.7	148.1	153.4	154.0	156.8	169.9	165.9	191.0	204.3	239.6		
RUB. PROD. EX. TIRES	302, 3, 61	.661	134.4	138.0	141.2	139.4	141.0	142.1	147.5	148.3	150.9	149.9	154.9	147.6	158.0	147.9	
PLASTICS PRODUCTS NEC	3071	.981	144.0	150.8	152.6	152.6	150.7	152.4	157.1	153.4	158.5	153.6	154.3	155.8	158.4	159.7	
<b>LEATHER AND PRODUCTS</b>	311	.861															
PERS. LEATHER GDS.	311, 5-7, 91	.221	80.8	83.5	87.0	86.5	88.0	87.2	89.2	88.2	85.8	88.5	84.6	85.4	89.3	88.8	
SHOES	3114	.531	55.4	56.3	55.2	57.0	53.8	61.3	55.0	55.2	54.9	53.1	52.4	47.6	48.5	51.0	
<b>CLAY, GLASS, &amp; ST. PRCD.</b>	321	2.741															
PRESSED AND BLOWN GLASS	3221	.491	150.6	154.8	157.0	150.0	163.5	142.8	148.6	157.2	155.5	155.5	157.7	158.4	162.0	154.7	
GLASS CONTAINERS	32211	.281	130.9	132.4	132.9	125.6	144.9	110.7	116.3	127.0	127.7	129.4	128.7	134.4	136.5	128.7	
CEMENT	3241	.271	100.6	101.3	106.6	104.9	109.0	101.7	123.4	126.0	108.2	111.2	112.4	110.9	113.6		
STRUCTURAL CLAY PRODUCTS	3251	.201	95.6	95.6	105.5	104.5	106.1	106.2	106.1	107.6	106.5	107.0	107.1	104.0	106.1	103.9	
BRICK	32511	.081	81.8	75.6	93.7	89.9	92.2	92.3	95.4	101.9	92.1	95.0	92.6	89.3	93.8	89.5	
CONCRETE, MISC. CLAY PRCD.	326-91	1.511	149.4	154.6	157.8	159.5	156.6	162.2	168.5	168.6	170.3	165.2	169.3	162.9	167.9	168.6	
<b>PRIMARY METALS</b>	331	6.571															
IRON AND STEEL	331, 21	4.211															
BASIC STEEL & MILL PRD.	3311	3.341	73.0	75.9	79.5	86.6	81.7	77.4	85.6	91.9	91.1	85.5	84.1	80.6	72.6	73.4	
BASIC IRON AND STEEL	33111	1.341	61.8	63.0	65.0	68.9	69.9	72.3	71.4	80.7	74.6	75.1	74.0	67.6	64.8	61.7	
PIG IRON	33112	.461	55.4	57.5	59.2	60.1	61.5	60.2	62.3	64.5	66.4	65.7	64.1	58.4	56.9	54.9	
RAW STEEL	33113	.721	71.3	72.5	75.1	80.1	81.2	87.0	82.3	86.7	84.5	86.0	85.0	78.4	74.8	70.5	
COKE AND PRODUCTS	33114	.161	37.6	35.7	35.9	43.7	42.4	40.6	47.9	52.1	53.3	52.9	52.5	45.3	42.7	41.1	
STEEL MILL PRODUCTS	3312	2.011	80.5	84.5	89.2	98.4	89.6	80.7	95.1	99.3	102.1	92.4	90.9	89.2	77.7	81.2	
CONSUMER DUR. STEEL	33121	.311	72.1	78.9	82.1	87.8	78.6	94.4	71.8	77.7	84.9	79.1	73.5	77.0	67.7	73.0	
EQUIPMENT STEEL	33122	.511	54.9	56.3	59.8	65.7	61.4	51.3	63.0	67.8	67.3	66.5	66.8	65.8	54.9	60.5	
CONSTRUCTION STEEL	33123	.411	50.8	50.7	53.4	59.5	56.7	46.6	60.7	56.7	58.1	49.9	51.4	50.3	41.6	46.8	
CAN & CLOSURE STEEL	33124	.131	59.9	61.6	65.5	65.7	61.5	59.7	46.9	53.5	55.4	62.1	61.0	55.6	49.4	58.2	
MISC. STEEL	33125	.651	127.5	135.3													

Table 4B—continued

## INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967			1968								1969				
		PRO- POR- TION	1967 AVG.	1968 AVG.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.
<b>PAPER AND PRODUCTS</b>	261	3.21															
PULP AND PAPER	261-31	1.38	153.5	156.1	157.1	162.4	162.1	143.0	159.0	167.3	166.2	164.3	164.7	166.3	157.2	160.8	
WOOD PULP	2611	.50	143.1	143.9	146.7	150.4	152.5	132.4	144.8	155.7	155.9	143.2	153.1	155.7	145.9		
PAPER	2621	.54	162.0	167.3	163.8	173.9	169.6	154.5	170.8	175.5	172.4	178.1	171.0	171.0	164.6	165.1	
PAPEBOARD	2631	.34	155.5	156.6	161.7	162.0	164.6	140.6	161.6	171.6	171.7	173.8	172.0	174.7	162.2	169.6	
CONVERTED PAPER PRGD.	2641	.93	194.1	199.6	195.2	207.3	202.4	189.9	205.7	213.2	211.0	212.1	210.2	209.1	194.2	200.1	
SANITARY PAPER PRGD.	2647	.18															
PAPERBOARD CONTAINERS	2651	.84	155.4	159.6	161.9	176.0	154.5	142.9	162.0	168.4	170.1	168.2	162.1	167.9	156.1	167.5	
BUILDING PAPER AND BOARD	2661	.06															
<b>PRINTING AND PUBLISHING</b>	271	4.72															
NEWSPAPERS	2711	1.38	110.3	104.6	112.5	119.7	125.0	115.5	102.7	115.0	117.1	119.5	120.4	115.0	108.6	113.6	
PERIOD., BOOKS, CARDS	272, 3, 7	1.38	138.8	162.3	162.2	150.0	140.3	135.6	135.8	142.6	143.5	146.2	149.2	162.0	175.6	183.8	
JOB PRINTING	274-6, 8, 9	1.96	192.0	229.0	235.5	217.4	197.8	191.9	190.9	192.9	192.3	191.4	202.9	224.0	243.8	254.5	
<b>CHEMICALS AND PRODUCTS</b>	281	7.74															
CHEMICALS & SYN. MAT.	281, 2	3.79	226.2	224.5	239.4	243.3	241.4	228.5	229.4	246.3	250.1	251.8	248.1	247.1	235.8	238.5	
BASIC CHEMICALS	2811	2.54	175.1	173.2	181.7	187.7	189.0	182.0	178.9	185.5	189.7	193.2	190.6	188.9	183.6	186.1	
ALKALIES & CHLORINE	2812	.14	108.5	112.4	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, 6	.48	177.4	159.8	186.9	202.2	193.6	179.0	189.0	199.6	206.7	209.7	202.5	189.0	176.9		
BASIC ORG. CHEM.	2818	1.18	220.9	226.8	229.6	233.3	235.7	229.6	222.1	227.0	230.6	234.0	234.4	235.7	234.3	233.5	
INORG. CHEM. MEC	2819	.75	114.4	109.2	116.0	121.4	127.1	124.3	119.6	125.3	128.2	130.7	127.3	127.2	121.1	124.4	
ACIDS & FERTILIZER MAT.	2821	.55	121.2	114.8	124.2	127.3	135.6	131.0	126.6	137.0	138.6	140.3	134.9	135.4	129.8	134.9	
SULFURIC ACID, ETC.	2821	.41	114.7	111.1	118.4	119.6	126.8	125.7	121.5	131.2	132.0	132.9	127.2	128.2	122.5	128.1	
FERTILIZER MATERIALS	2821	.14	140.0	125.4	141.1	149.5	161.1	146.4	141.2	153.8	157.7	161.9	156.6	156.4	150.8	154.5	
ERDA NUCLEAR MATLS	2821	.15	85.3	83.2	81.3	97.0	95.0	98.0	90.6	81.1	88.5	94.7	98.3	94.9	85.6	83.3	
SYNTHETIC MATERIALS	2821	1.25	330.3	328.9	356.7	356.5	348.2	323.3	332.2	370.3	373.1	371.3	365.2	365.8	342.1	345.2	
PLASTICS MATERIALS	2821	.54	486.0	478.0	531.0	532.9	515.8	455.9	487.9	561.8	574.5	565.5	556.3	556.3	556.3	556.3	
SYNTHETIC RUBBER	2822	.13	109.2	102.1	114.4	120.8	128.8	117.7	124.4	125.5	129.1	135.5	129.9	128.8			
MAN-MADE FIBERS	2823, 4	.58	236.2	242.3	250.3	246.6	242.7	247.1	235.0	248.4	241.8	244.7	241.5	243.0	220.5	222.4	
CHEMICAL PRODUCTS	283-7, 9	3.95	204.0	221.6	226.2	218.2	203.3	191.3	194.9	199.2	202.6	206.3	208.8	229.1	233.0	232.4	
DRUGS AND MEDICINES	2831	1.34	280.6	313.0	321.5	298.1	274.5	256.8	258.6	264.7	262.5	280.8	279.1	321.1	327.7	327.4	
SOAP AND TOILETRIES	2841	1.29	179.1	195.0	200.0	194.1	179.7	171.4	170.6	172.5	175.8	167.3	173.1	187.1	200.0	197.5	
PAINTS	2851	.43	118.3	136.0	124.4	121.9	101.9	90.4	112.1	128.1	141.9	144.8	150.1	171.8	148.1	148.7	
AGRICULTURAL CHEMICALS	2871	.33	197.3	185.2	190.2	213.3	220.0	203.7	206.2	203.9	221.4	224.5	216.8	209.3	216.4	217.0	
<b>PETROLEUM PRODUCTS</b>	291	1.79															
PETROLEUM REFINING	291, 9	1.64	119.4	123.6	127.2	121.1	125.9	116.5	116.5	124.6	121.1	121.9	125.1	130.0	126.9	126.5	
AUTOMOTIVE GASOLINE	2911	.84	128.2	132.5	133.3	125.4	134.4	127.9	122.3	128.0	129.1	132.2	134.7	134.1	131.3	130.8	
DISTILLATE FUEL OIL	2912	.29	111.3	118.5	123.6	121.7	121.6	114.5	117.2	129.9	112.4	106.4	119.4	130.6	124.1	121.8	
RESIDUAL FUEL OIL	2913	.05	112.0	93.4	107.8	105.7	112.2	118.1	126.0	132.6	117.3	111.1	109.7	111.2	104.8	108.6	
AVIATION FUEL & KERCS.	2914	.17	97.7	96.2	106.1	100.4	104.8	92.9	106.5	112.2	102.6	99.0	91.9	107.3	111.6	117.6	
MISC. PETROLEUM PRGD.	2915	.28															
REFINERY FUEL MEC	2916	.06															
REFINERY NONFUEL MAT.	2917	.14															
REFINERY PRODUCTS MEC	2918	.08															
<b>RUBBER &amp; PLASTICS PROD.</b>	301	2.24															
TIRES	3011	.60	152.7	150.9	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, 6	.66	134.4	137.3	143.7	141.6	143.5	143.5	143.4	150.5	152.1	150.7	153.4	149.6	148.0	147.1	
PLASTICS PRODUCTS MEC	3071	.98	484.0	503.4	533.7	532.9	520.1	506.4	496.2	544.1	550.3	541.0	548.7	565.1	528.7	562.4	
<b>LEATHER AND PRODUCTS</b>	311	.86															
PERS. LEATHER GDS.	313, 5-7, 9	.22	80.8	85.2	88.4	90.0	92.1	87.1	83.1	86.7	86.1	86.0	84.9	89.0	84.0	90.6	
SHOES	3141	.53	55.4	57.5	57.0	60.2	51.8	55.4	52.8	58.9	58.5	55.7	52.9	49.9	39.7	52.1	
<b>CLAY, GLASS, &amp; ST. PRGD.</b>	321	2.74															
PRESSED AND BLOWN GLASS	3221	.49	150.6	162.6	156.7	158.1	161.2	127.9	139.5	154.5	158.4	157.4	160.5	165.7	161.0	162.4	
GLASS CONTAINERS	3221	.28	130.9	142.6	129.3	135.0	138.8	88.3	111.2	130.2	131.8	131.3	130.8	143.8	136.8	138.6	
CEMENT	3241	.27	100.6	128.8	126.5	127.6	104.9	69.6	65.2	85.6	91.6	114.7	127.6	140.7	134.8		
STRUCTURAL CLAY PRODUCTS	3251	.20	95.6	99.2	108.3	107.1	109.1	104.3	98.9	99.9	102.6	137.2	109.0	109.0	105.6	108.2	
BRICK	3251	.08	81.8	85.3	100.2	94.6	95.1	84.0	74.9	85.5	88.2	96.5	98.2	99.5	97.0	101.3	
CONCRETE, MISC. CLAY PRD.	326-9	1.51	149.4	156.7	161.1	164.6	162.0	160.6	159.5	161.6	165.7	166.0	169.8	167.0	167.2	170.9	
<b>PRIMARY METALS</b>	331	6.57															
IRON AND STEEL	331, 2	4.21															
BASIC STEEL & MILL PRD.	3311	3.34	73.0	73.6	76.3	84.0	74.9	70.5	80.5	89.8	93.4	93.9	93.4	86.7	72.8	71.2	
BASIC IRON AND STEEL	3311	1.34	61.8	61.8	63.6	66.7	65.7	65.9	68.2	75.5	78.6	80.7	79.3	72.2	63.9	63.6	
PIG IRON	3311	.46	55.4	57.0	57.7	58.0	57.2	54.9	57.9	64.6	68.3	70.5	69.4	63.4	58.2	54.5	
RAK STEEL	3311	.72	71.3	70.8	73.6	77.3	76.2	78.5	79.7	87.8	90.8	93.0	91.2	83.1	72.0	68.9	
COKE AND PRODUCTS	3311	.16	37.6	34.9	35.5	43.6	42.9	40.6	45.7	50.6	52.9	54.1	53.6	47.7	43.5	40.1	
STEEL MILL PRODUCTS	3311	2.01	80.5	81.5	84.8	95.5	81.0	73.5	88.7	99.4	103.3	102.7	102.7	96.4	78.7	78.3	
CONSUMER DUR. STEEL	3311	.31	72.1	73.1	79.4	87.4	73.9	78.1	71.6	84.0	85.9	87.3	85.0	79.1	65.8	67.6	
EQUIPMENT STEEL	3311	.51	54.9	53.5	57.2	65.0	56.4	48.3	60.4	69.5	69.9	74.0	74.5	67.8	53.0	57.5	
CONSTRUCTION STEEL	3311	.41	50.8	51.2	52.0	58.0	50.4	42.7	48.8	53.3	56.0	56.5	53.0	57.8	46.3	47.3	
CAN & CLOSURE STEEL	3311	.13	59.9	60.4	59.5	59.1	48.7	54.5	55.9	57.6	56.2	60.8	63.8	60.9	54.2	57.0	
MISC. STEEL	3311	.65	127.5	131.0	134.9	154.4	129.5	114.5	150.9	168.0	177.4	170.4	169.6	158.7	130.4	123.7	
IRON & STEEL PRODUCTS	332	.87															

Table 4A—continued

## INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967		1983					1984							
		PRO- TION	1983 AVG.	AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.
<b>NONFERROUS METALS</b>	333-6,9	2.36	110.1	108.1	113.5	115.5	114.1	121.5	117.4	121.3	122.5	122.9	121.4	122.1	131.7	121.8
PRIMARY NONF. METALS	3331	.45	102.6	106.2	109.4	110.4	111.7	112.7	114.1	119.8	119.5	121.0	122.8	124.3	126.0	119.6
CGPPEP	33311	.09	102.1	96.8	104.9	102.8	95.8	100.4	99.9	112.2	111.6	110.5	113.3	129.1	151.0	122.4
ALUMINUM	3334	.27	113.0	119.5	123.4	125.9	127.4	132.5	133.8	137.5	141.3	143.6	145.9	145.2	140.1	138.3
SECONDARY NONF. METALS	334	.09	126.3	123.4	134.6	134.0	134.2	136.9	134.7	128.1	130.3	135.3	129.3	129.6	145.4	
<b>NONFERROUS PRODUCTS</b>	335,6	1.45	120.0	115.3	121.9	124.7	121.9	132.9	126.2	129.8	131.1	130.5	128.1	128.9	139.8	130.6
NONFERROUS MILL PROD	3351	1.09	135.3	129.0	136.7	138.8	135.1	150.9	140.6	144.4	145.9	145.8	143.5	143.8	157.7	146.4
COPPER MILL PRGD		.48	102.8	84.7	108.6	106.0	87.2	112.6	90.7	108.9	106.7	120.5	120.2	122.0	138.0	125.5
ALUMINUM MILL PROD		.61	160.8	163.6	158.7	164.6	172.7	180.9	179.8	172.3	176.7	165.6	161.7	161.0	173.2	162.8
CONSTRUCTION		.13	175.6	183.6	178.4	191.5	194.0	177.0	216.7	206.5	190.1	192.4	187.6	187.6	209.7	190.1
NONCONSTRUCTION		.48	156.8	158.2	153.4	157.2	167.0	181.9	169.7	163.0	173.1	158.3	154.8	153.7	163.3	155.4
NONFERROUS FOUNDRIES	336	.35	72.3	72.6	76.0	80.9	80.8	76.7	81.1	84.3	84.7	82.8	80.4	82.4	84.1	81.1
<b>FABRICATED METAL PRODUCTS</b>	34	5.93														
METAL CANS	3411	.38	115.6	116.5	120.1	118.9	121.7	117.0	116.2	117.1	125.2	117.2	120.0	119.8	115.4	115.5
HDWE, PLUMB, STRUCT, MET	342-41	2.67	124.4	130.2	130.8	128.5	131.1	132.6	135.2	136.1	136.6	137.7	135.8	139.7	145.9	143.3
HARDWARE, TOOLS, COIL	3421	.76	120.8	130.3	130.1	129.8	127.5	128.4	128.5	131.0	131.4	130.8	130.0	135.9	139.5	140.0
STRUCTURAL METAL PRGD	344	1.62	126.1	129.6	131.5	127.5	132.4	134.2	136.8	137.9	138.4	140.4	137.0	140.4	147.6	143.6
OTHER FAB. MET. PROD.	345-91	2.89	117.1	124.8	126.1	124.5	126.0	128.0	134.2	132.1	134.9	134.9	137.5	139.5	140.7	144.0
FASTENERS, STAMP, ETC	345-81	2.03	104.6	112.0	112.4	110.9	114.1	116.3	123.6	119.8	122.2	121.0	124.0	126.4	126.7	131.0
<b>NONELECTRICAL MACHINERY</b>	35	9.15														
ENGINE AND FARM EQUIP.	351,21	1.20	99.6	92.6	94.7	96.2	107.7	111.2	113.2	116.0	116.7	120.2	119.7	117.2	125.9	118.9
FARM TRACTORS		.19	38.6	27.4	46.4	45.8	47.7	48.1	31.2	40.9	40.6	40.5	36.9	34.3	47.2	22.2
CONSTRUCTION & ALLIED EQ	353	1.36	100.3	105.3	104.6	105.0	107.0	108.2	116.5	116.8	120.1	123.5	126.6	127.8	132.9	133.6
TRACKLAYING TRACTORS		.16	28.2	24.2	26.4	35.8	38.7	33.6	32.4	33.8	35.0	47.4	53.5	52.0	53.2	46.6
METALWORKING MACHINERY	354	1.67	101.7	106.7	108.9	103.6	107.3	106.3	113.3	116.9	122.1	120.3	122.3	122.1	124.1	127.3
SPEC. & GENL IND EQ	355,61	2.30	105.7	112.3	113.5	112.8	113.3	115.2	120.9	120.0	123.5	123.0	124.4	127.0	128.2	129.8
OFFICE, SERV, & MISC.	357-91	2.63	270.2	276.9	275.0	288.0	290.6	300.8	310.3	308.4	312.9	308.2	316.1	322.1	326.0	337.6
<b>ELECTRICAL MACHINERY</b>	36	8.05														
MAJOR ELECT. EQ. & PIS.	361,21	1.74	117.3	124.3	124.7	120.1	124.6	120.9	123.9	129.1	127.7	125.2	124.5	127.1	128.7	134.3
HOUSEHOLD APPLIANCES	3631	.83	137.0	143.7	151.2	151.6	144.7	143.6	160.4	157.5	153.9	152.0	146.9	147.9	156.3	155.5
COOKING STOVES	36311	.08	151.4	146.5	176.0	172.7	178.6	173.1	171.3	178.9	186.6	175.5	169.6	171.2	194.7	139.1
REFRIGERATION APPL.	3632	.26	111.9	124.2	138.5	142.3	123.8	106.0	141.3	149.0	144.3	144.5	138.8	125.7	130.8	153.6
LAUNDRY APPLIANCES	36331	.13	136.6	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
MISC. APPLIANCES	3634-6,91	.36	152.1	160.1	158.6	155.9	152.5	161.1	172.8	160.6	159.1	161.6	157.5	166.5	165.2	175.1
TV AND RADIO SETS	3651	.52	93.0	93.9	96.9	109.1	105.3	110.0	112.3	111.1	111.6	114.8	105.3	110.9	123.5	109.5
COMMUNICATION EQUIPMENT	3661	2.30	178.0	168.9	181.5	182.4	183.6	186.6	192.6	195.3	196.9	203.7	202.9	204.0	211.2	209.2
ELECTRONIC COMPONENTS	3671	1.43	357.1	364.6	374.0	382.9	391.8	401.0	419.3	430.7	438.6	447.7	446.5	443.4	462.0	454.4
TV TUBES	3671-31	.31	39.1	43.1	35.7	43.1	45.0	44.9	50.5	46.0	40.0	45.6	42.7	37.3	48.9	43.4
MISC. ELECTRICAL SUPP.	3691	.49	188.8	186.3	197.0	207.6	205.0	206.4	221.6	208.5	216.3	214.5	213.2	214.8	208.8	212.2
STORAGE BATTERY, REPL.	36911	.09	244.6	241.7	259.7	275.2	268.3	272.5	300.7	229.7	256.2	248.8	262.7	287.2	261.9	
<b>TRANSPORTATION EQUIPMENT</b>	37	9.27														
MOTOR VEHICLES AND PARTS	371	4.50														
AUTOS, TOTAL		1.90	117.4	132.0	135.0	129.6	129.4	137.4	140.7	140.4	142.4	134.5	132.9	136.2	138.7	134.3
LARGE AUTOS		1.79	73.1	88.3	85.0	77.4	75.5	77.0	82.7	85.0	84.9	78.0	76.7	82.3	86.0	79.6
SMALL AUTOS		.11	846.2	849.8	957.5	988.3	1014.3	1130.3	1094.2	1052.8	1087.4	1063.7	1057.3	1022.3	1005.0	1032.4
TRUCKS AND BUSES		.53	171.2	171.8	187.4	197.4	205.4	209.0	220.3	215.2	219.2	210.1	220.7	222.2	234.9	262.9
BUSINESS VEHICLES		.40	104.0	107.7	112.0	119.2	128.5	128.0	130.7	128.4	132.9	112.6	131.7	134.9	152.3	
UTILITY VEHICLES		.13	372.5	363.5	413.0	431.4	435.4	451.5	488.5	474.9	477.2	502.1	487.0	483.4	482.1	
TRUCK TRAILERS		.09	146.7	157.9	190.8	194.6	199.5	261.0	300.0	244.2	262.1	252.2	286.9	301.7	324.0	320.4
MOTOR VEHICLE PARTS		1.98	146.4	148.3	154.7	156.9	159.6	161.7	170.5	170.3	169.7	171.3	171.0	171.9	173.6	173.6
AIRCRAFT AND PARTS	3721	3.73	96.5	95.4	96.1	97.2	98.0	99.8	100.5	102.2	102.0	104.0	103.3	104.7	107.1	104.4
SHIPS AND BOATS	3731	.56	131.2	132.7	134.2	139.3	146.3	141.5	151.9	153.2	150.4	152.6	153.7	151.8	156.9	161.1
RAIL & MISC TRAMS EQ	374,5,91	.49	86.9	86.2	89.5	92.4	94.6	102.1	108.4	92.6	94.1	91.5	92.4	99.8	119.2	114.3
RAILROAD EQUIPMENT	3741	.26	19.5	12.9	19.5	27.3	20.4	33.3	36.8	18.0	20.5	24.3	22.1	34.0	64.9	54.8
MOBILE HOMES	3791	.18	138.2	142.0	143.1	138.9	145.1	144.1	148.3	145.7	140.2	131.9	141.4	139.9	140.8	
<b>INSTRUMENTS</b>	38	2.11														
EQUIPMENT INSTR. & PIS.	381-41	1.07	185.4	189.7	194.2	191.2	189.5	194.7	200.5	200.0	199.7	201.2	203.5	206.2	212.7	211.9
CONSUMER INSTR. PROD.	385-71	1.04	130.9	130.1	131.9	131.3	132.7	131.7	137.3	137.4	138.7	139.0	136.4	140.2	142.4	142.0
<b>MISC. MANUFACTURES</b>	39	1.51														
MISC. CONS. GOODS	391,3,4,61	.86	160.1	170.6	167.2	161.3	161.9	160.6	168.7	167.3	168.1	165.6	165.9	165.5	172.1	164.4
MISC. BUS. SUPPLIES	395,91	.65	126.9	129.3	129.1	130.1	129.1	131.8	130.3	129.9	128.5	132.2	132.5	129.8	132.8	132.4
<b>ELECTRIC UTILITIES</b>		3.88	196.0													
ELEC UTIL GENERATION		1.90	186.8	198.2	192.2	191.8	189.6	197.4	196.9	189.3	195.6	199.5	194.5	197.9	195.3	
FOSSIL FUEL GENERATION		1.54	167.1	183.6	175.0	173.4	169.4	176.4	176.1	165.5	175.2	177.8	173.1	180.7	175.7	
HYDRO & NUCLEAR GENERAT.		.36	271.7	261.2	266.0	270.7	276.5	287.6	286.3	291.4	283.1	292.6	286.7	272.0	279.3	
ELEC UTIL SALES		1.98	204.8	212.3	216.3	209.2	210.3	218.1	216.3	210.3	213.2	215.6	218.5	220.8		
RESIDENTIAL KWH		.83	221.3	233.2	238.3	2										

Table 4B—continued

## INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967		1968					1969							
		PRO- DUCTION	1967 AVG.	1968 AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.
<b>NONFERROUS METALS</b>	333-6,91	2.36	110.1	103.5	112.1	115.2	110.1	113.8	114.3	125.6	131.5	132.3	129.5	128.1	114.6	116.0
PRIMARY NONF. METALS	3331	.45	102.6	102.1	107.3	112.3	114.1	115.1	116.8	122.1	120.0	123.3	124.1	122.3	116.2	115.0
COPPER	33311	.09	102.1	86.9	101.8	105.2	99.1	101.4	100.2	117.7	120.1	121.4	122.6	126.8	114.8	109.8
ALUMINUM	33341	.27	113.0	117.8	122.7	127.0	130.2	135.3	135.9	137.6	138.8	142.5	145.0	144.0	138.6	136.4
SECONDARY NONF. METALS	3341	.09	126.3	121.2	133.5	137.7	136.4	125.2	129.1	138.0	139.0	143.0	132.7	136.8	120.5	
<b>NONFERROUS PRODUCTS</b>	335,61	1.45	120.0	110.0	119.8	122.8	113.6	120.1	121.0	134.9	144.1	144.6	140.3	138.1	121.3	123.6
NONFERROUS MILL PROD	3351	1.09	135.3	123.5	134.1	135.2	124.6	136.6	133.2	148.4	161.0	163.1	158.5	154.4	138.6	138.9
COPPER MILL PROD		.48	102.8	74.4	104.1	103.2	81.2	102.0	87.9	111.3	128.5	142.9	137.3	137.3	108.3	110.2
ALUMINUM MILL PROD		.61	160.8	162.1	157.6	160.2	158.6	163.7	168.7	177.5	186.5	179.0	175.1	176.0	162.4	161.4
CONSTRUCTION		.13	175.6	191.9	178.1	190.5	179.8	149.2	194.5	206.3	201.5	208.6	202.9	208.9	199.0	198.7
NONCONSTRUCTION		.48	156.8	154.0	152.0	152.0	152.8	167.6	161.7	169.7	182.4	171.0	167.5	167.0	152.5	151.3
NONFERROUS FOUNDRIES	3361	.35	72.3	68.0	75.4	84.3	79.3	68.7	82.9	92.9	91.3	86.9	83.7	87.2	67.1	76.0
<b>FABRICATED METAL PRODUCTS</b>	341	5.93														
METAL CAMS	3411	.38	115.6	125.2	126.3	120.0	117.1	108.2	109.1	115.1	122.4	114.4	119.4	124.2	123.4	124.2
HDWP, PLUMB, STRUCT, MET	342-41	2.67	124.4	128.2	132.6	131.2	133.9	132.7	132.0	138.8	138.8	137.0	134.5	139.7	140.1	141.1
HARDWARE, TCOLS, COIL	3421	.76	120.8	126.4	133.2	133.8	129.8	126.0	124.8	133.3	133.8	131.0	129.6	136.2	134.7	135.8
STRUCTURAL METAL PRCD	3441	1.62	126.1	129.1	131.9	129.3	135.4	135.8	134.3	140.4	140.4	139.2	135.5	140.3	141.2	143.0
OTHER FAB. MET. PROD.	345-91	2.89	117.1	122.7	127.8	126.3	127.6	126.5	128.6	134.1	137.6	135.5	138.0	142.0	135.7	141.7
FASTENERS, STAKE, ETC	345-98	2.03	104.6	109.8	114.3	113.1	115.9	114.8	117.7	121.6	124.6	121.8	124.6	128.9	121.6	128.5
<b>NONELECTRICAL MACHINERY</b>	351	9.15														
ENGINE AND FARM EQUIP.	351,21	1.20	99.6	88.2	97.3	97.7	107.0	112.6	113.6	119.5	119.8	120.3	117.7	118.1	118.4	113.6
FARM TRACTORS		.19	38.6	21.8	48.3	49.9	41.0	40.8	33.5	47.2	46.3	46.3	39.1	39.1	30.9	17.7
CONSTRUCTION & ALLIED EQ	3531	1.36	100.3	103.7	109.0	107.8	110.0	110.2	111.5	117.2	118.4	121.7	124.2	128.9	129.5	131.2
TRACKLAYING TRACTORS		.16	28.2	20.3	27.2	37.0	36.1	31.5	32.0	38.4	37.6	51.1	55.4	56.0	44.7	40.8
METALWORKING MACHINERY	3541	1.67	101.7	106.6	112.8	106.1	107.2	103.7	110.0	118.3	122.3	120.3	119.7	123.6	122.4	127.2
SPEC. & GENL. IND. EQ	355,61	2.30	105.7	112.0	118.0	114.2	114.7	113.1	117.0	120.3	122.8	122.2	123.3	130.0	125.6	125.3
OFFICE, SERV. & MISC.	357-91	2.63	120.2	291.7	292.9	296.9	289.4	283.6	288.9	299.6	298.1	299.6	309.4	335.1	347.6	355.9
<b>ELECTRICAL MACHINERY</b>	361	8.05														
MAJOR ELECT. EQ. & PIS.	361,21	1.74	117.3	124.8	129.0	124.8	123.0	116.2	118.6	125.9	126.4	125.6	124.6	131.2	130.5	134.7
HOUSEHOLD APPLIANCES	3631	.83	137.0	134.4	153.5	164.4	137.2	116.8	157.6	165.7	163.3	164.0	154.8	156.8	142.5	142.9
COOKING STOVES	36311	.08	151.4	143.2	175.3	191.5	167.0	137.4	170.5	188.8	191.8	190.3	187.0	188.4	158.4	135.7
REFRIGERATION APPL.	36321	.26	111.9	85.6	131.1	144.7	106.2	73.1	146.7	159.1	162.7	168.3	159.2	149.6	138.2	105.6
LAUNDRY APPLIANCES	36331	.13	136.6	159.2	143.3	163.2	125.8	112.2	147.6	157.2	149.6	139.4	131.2	130.5	128.1	136.8
MISC. APPLIANCES	3634-6,91	.36	152.1	158.8	168.7	173.0	157.2	145.6	166.4	168.3	162.2	164.0	152.9	164.6	147.3	174.1
<b>TV AND RADIO SETS</b>	3651	.52	93.0	100.1	110.5	126.0	111.9	95.2	104.8	109.1	110.3	109.9	110.2	109.9	96.0	116.9
<b>COMMUNICATION EQUIPMENT</b>	3661	2.30	178.0	168.1	182.2	183.8	187.9	193.1	191.9	195.2	196.9	198.7	200.4	204.8	205.5	208.0
<b>ELECTRONIC COMPONENTS</b>	3671	1.43	135.1	138.6	381.1	391.8	401.5	408.6	412.4	422.6	429.7	438.1	443.5	451.2	446.8	459.2
TV TUBES	3671-31	.31	39.1	46.7	41.6	50.0	43.7	33.1	48.9	45.5	40.7	48.1	47.1	37.0	37.1	47.0
<b>MISC. ELECTRICAL SUPP.</b>	3691	.49	188.8	186.8	212.8	222.9	219.0	223.8	222.7	205.4	204.3	201.8	199.6	205.6	195.7	212.5
STORAGE BATTERY, REPL.	36911	.09	244.6	252.1	329.8	355.5	316.8	327.2	338.3	233.3	209.0	184.6	188.3	229.1	209.8	
<b>TRANSPORTATION EQUIPMENT</b>	371	9.27														
MOTOR VEHICLES AND PARTS	3711	4.50														
AUTOS, TOTAL		1.90	117.4	99.8	128.1	147.2	131.5	118.3	137.9	150.1	161.1	144.3	140.2	147.5	108.5	109.8
LARGE AUTOS		1.79	73.1	61.8	77.4	88.2	77.8	69.5	84.4	92.6	96.8	81.9	80.2	89.3	66.2	62.5
SMALL AUTOS		1.11	84.6	724.9	962.3	1116.8	1014.3	921.2	1017.6	1094.9	1217.9	1170.1	1126.0	1104.1	804.0	887.9
TRUCKS AND BUSES		.53	171.2	150.8	191.0	219.1	200.6	177.1	217.3	230.1	249.3	221.1	238.6	255.6	187.9	223.4
BUSINESS VEHICLES		.40	104.0	92.6	115.3	132.3	122.1	108.8	132.0	139.3	158.2	112.0	147.5	158.5	121.8	
UTILITY VEHICLES		.13	372.5	325.0	417.5	478.9	435.4	381.5	472.4	502.0	521.8	547.7	511.4	546.2	385.7	
TRUCK TRAILERS		.09	146.7	157.3	184.3	191.1	192.9	230.4	261.8	267.2	289.5	278.1	297.4	323.1	298.7	319.3
MOTOR VEHICLE PARTS		1.98	146.4	144.9	154.9	158.7	162.0	170.4	169.3	168.7	169.5	171.3	171.4	174.4	168.0	172.0
AIRCRAFT AND PARTS	3721	3.73	96.5	92.9	95.9	96.7	99.6	102.1	100.9	102.8	102.3	103.1	103.6	104.8	105.0	101.6
SHIPS AND BOATS	3731	.56	131.2	126.2	130.9	140.6	148.4	146.5	147.6	152.6	151.0	156.8	156.5	154.4	153.8	153.3
RAIL & MISC. TRANS. EQ	374,5,91	.49	86.9	93.2	95.7	99.0	89.9	86.7	88.0	88.3	96.4	101.0	99.3	110.7	108.6	119.7
RAILROAD EQUIPMENT	3741	.26	19.5	11.9	19.1	26.6	21.4	36.3	36.1	17.4	23.3	26.0	22.0	33.6	55.5	50.4
MOBILE HOMES	3791	.18	138.2	159.8	155.8	156.3	130.8	104.2	111.4	129.5	142.4	151.0	154.8	162.7	137.4	
<b>INSTRUMENTS</b>	381	2.11														
EQUIPMENT INSTR. & PIS.	381-41	1.07	185.4	192.4	201.9	194.6	192.1	192.8	191.0	195.8	196.4	197.8	202.1	212.2	213.4	214.7
CONSUMER INSTR. PROD.	385-71	1.04	130.9	130.8	133.8	133.0	135.3	133.6	133.9	135.1	136.6	136.4	136.1	142.5	141.5	142.8
<b>MISC. MANUFACTURES</b>	391	1.51														
MISC. COMS. GCCDS	391,3,4,61	.86	160.1	177.8	184.2	169.2	163.7	152.6	153.9	165.1	163.4	163.1	165.0	170.9	165.3	171.4
MISC. BUS. SUPPLIES	395,91	.65	126.9	132.5	133.5	134.1	129.8	128.8	125.0	128.7	128.9	130.3	130.3	131.7	131.2	135.6
<b>ELECTRIC UTILITIES</b>		3.88	196.0													
ELEC. UTIL. GENERATION		1.90	186.8	215.2	190.5	177.4	178.2	199.2	211.0	192.2	187.1	183.5	180.3	204.1	215.0	
FOSSIL FUEL GENERATION		1.54	167.1	204.9	178.1	162.9	159.2	177.5	188.3	165.6	163.7	157.7	154.7	185.9	197.7	
HYDRO & NUCLEAR GENERAT.		.36	271.7	259.4	243.9	239.9	259.9	292.6	308.5	306.6	287.9	294.6	290.1	282.2	289.6	
ELEC. UTIL. SALES		1.98	204.8	241.0	232.5	196.9	189.7	217.1	238.0	218.1	207.2	195.7	193.4	211.0		
RESIDENTIAL KWH		.83														

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	167.3
FINAL PRODUCTS	144.6	150.6	153.7	158.0	161.5	165.2
CONSUMER GOODS	150.2	156.1	156.9	159.7	162.0	162.9
DURABLE CONSUMER GOODS	145.1	154.9	157.1	163.0	162.4	161.8
AUTOMOTIVE PRODUCTS	152.4	169.3	173.7	183.6	181.7	179.9
HOME GOODS	141.0	146.7	147.7	151.4	151.6	151.6
NONDURABLE CONSUMER GOODS	152.1	156.6	156.8	158.4	161.9	163.4
CLOTHING	162.7	167.2	166.2	167.1	171.7	174.1
CONSUMER STAPLES	152.3	155.5	154.5	154.5	158.6	
(HOME GOODS AND CLOTHING)	128.6	133.7	136.3	140.2	140.1	139.3
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	187.2
INDUSTRIAL EQUIPMENT	114.8	123.3	128.7	134.4	138.3	143.8
COMMERCIAL, TRANSIT, FARM EQ.	187.0	194.3	205.3	214.6	221.9	237.4
DEFENSE AND SPACE EQUIPMENT	117.9	120.8	124.2	129.3	133.3	136.7
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	161.1
BUSINESS SUPPLIES	166.0	175.0	179.8	180.9	184.0	
COMMERCIAL ENERGY PRODUCTS	182.6	187.4	187.5	190.2	192.0	
MATERIALS	141.7	149.9	154.3	158.8	162.1	163.2
DURABLE GOODS MATERIALS	134.7	144.2	150.3	157.6	162.0	163.7
BASIC METAL MATERIALS	88.9	92.9	97.3	101.2	104.8	
NONDURABLE GOODS MATERIALS	171.7	179.1	183.5	183.7	186.6	186.6
TEXTILE, PAPER AND CHEMICAL MAT	179.6	188.0	193.2	193.2	195.9	196.2
TEXTILE MATERIALS	113.7	121.2	122.4	120.1	120.1	
PAPER MATERIALS	153.4	162.8	167.4	165.8	168.5	
CHEMICAL MATERIALS	219.4	227.8	235.0	236.7	240.4	
ENERGY MATERIALS	121.5	127.4	127.8	131.2	132.4	133.1
MANUFACTURING	145.2	152.8	156.5	161.0	164.4	167.3
DURABLE	131.1	139.1	143.8	150.2	153.6	157.1
NONDURABLE	165.5	172.7	174.8	176.7	180.1	182.0
MINING AND UTILITIES	139.4	145.4	148.2	150.2	152.5	154.0
MINING	112.3	116.1	121.0	124.2	125.1	129.0
UTILITIES	169.6	178.2	178.4	179.2	183.1	182.0

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

SUMMARY GROUPINGS	1983			1984		
	II	III	IV	I	II	III
PRODUCTS, TOTAL	601.6	628.0	640.5	657.9	666.2	678.0
FINAL PRODUCTS	465.0	483.3	493.1	506.6	513.7	522.6
CONSUMER GOODS	324.9	337.3	340.1	346.1	349.4	348.4
DURABLE CONSUMER GOODS	86.1	94.0	94.9	99.0	97.8	97.6
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	48.3
NONDURABLE CONSUMER GOODS	238.8	243.3	245.3	247.0	251.7	250.8
CLOTHING	209.8	213.0	214.0	214.8	219.4	218.8
CONSUMER STAPLES	43.4	44.3	44.1	44.1	45.3	
(HOME GOODS AND CLOTHING)	74.0	77.3	78.5	80.6	80.5	80.2
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	117.0
INDUSTRIAL EQUIPMENT	36.1	38.7	40.1	42.1	43.5	45.3
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	57.2
INTERMEDIATE PRODUCTS	136.6	144.7	147.4	151.3	152.5	155.5
CONSTRUCTION SUPPLIES	58.8	63.2	63.8	66.9	67.0	
BUSINESS SUPPLIES	77.8	81.5	83.6	84.5	85.5	
COMMERCIAL ENERGY PRODUCTS	20.0	20.4	20.4	20.7	21.1	
MATERIALS	141.7	149.9	154.3	158.8	162.1	163.2
DURABLE GOODS MATERIALS	134.7	144.2	150.3	157.6	162.0	163.7
BASIC METAL MATERIALS	88.9	92.9	97.3	101.2	104.8	
NONDURABLE GOODS MATERIALS	171.7	179.1	183.5	183.7	186.6	186.6
TEXTILE, PAPER AND CHEMICAL MAT	179.6	188.0	193.2	193.2	195.9	196.2
TEXTILE MATERIALS	113.7	121.2	122.4	120.1	120.1	
PAPER MATERIALS	153.4	162.8	167.4	165.8	168.5	
CHEMICAL MATERIALS	219.4	227.8	235.0	236.7	240.4	
ENERGY MATERIALS	121.5	127.4	127.8	131.2	132.4	133.1
MANUFACTURING	145.2	152.8	156.5	161.0	164.4	167.3
DURABLE	131.1	139.1	143.8	150.2	153.6	157.1
NONDURABLE	165.5	172.7	174.8	176.7	180.1	182.0
MINING AND UTILITIES	139.4	145.4	148.2	150.2	152.5	154.0
MINING	112.3	116.1	121.0	124.2	125.1	129.0
UTILITIES	169.6	178.2	178.4	179.2	183.1	182.0

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

MAJOR MARKET GROUPINGS	1972	1983			1984										
	DCLS- LARS	1983 AVG.	1983 SRP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
PRODUCTS, TOTAL	507.4	612.6	637.0	637.8	638.4	645.4	655.1	656.9	661.8	661.1	665.9	671.5	678.1	680.7	675.3
FINAL PRODUCTS	390.9	472.6	489.9	490.7	490.8	497.8	505.3	505.0	509.6	509.0	514.0	518.1	522.4	524.8	520.5
CONSUMER GOODS	277.5	328.7	341.6	340.2	338.3	341.9	345.3	345.3	347.7	347.8	349.5	350.9	350.0	349.9	345.3
DURABLE CONSUMER GOODS	82.0	88.6	95.3	94.3	94.1	96.2	99.2	98.5	99.4	97.7	96.8	98.7	99.8	98.0	94.9
AUTOMOTIVE PRODUCTS	41.1	43.5	47.9	47.0	47.0	48.9	50.8	50.3	50.9	49.3	49.1	50.2	51.1	50.2	46.6
HOME GOODS	40.9	45.2	47.5	47.3	47.1	47.3	48.4	48.2	48.5	48.4	47.7	48.5	48.6	47.9	48.3
NONDURABLE CONSUMER GOODS	195.5	240.0	246.2	245.9	244.2	245.7	246.1	246.8	248.2	250.1	252.7	252.2	250.2	251.9	250.3
CLOTHING	28.5														
CONSUMER STAPLES	167.0	210.4	215.3	215.0	213.4	213.6	213.9	214.5	216.0	217.4	220.5	220.2	218.2	219.7	218.6
CONSUMER ENERGY PRDCT	39.2	43.1	45.2	43.6	44.3	44.3	43.5	44.2	44.6	44.9	45.6	45.3	44.1	44.2	
(HOME GOODS & CLOTHING)	69.4	74.9	78.4	78.2	77.9	79.4	80.6	80.5	80.7	81.0	80.0	80.5	80.6	80.0	80.0
EQUIPMENT	113.4	144.0	148.4	150.5	152.5	155.9	160.0	159.7	161.9	161.2	164.4	167.2	172.4	175.0	175.2
BUSINESS EQUIPMENT	80.6	94.0	97.6	99.2	100.8	103.5	106.4	105.6	107.6	105.7	109.1	111.5	115.7	118.2	117.1
INDUSTRIAL EQUIPMENT	34.4	37.8	39.3	39.4	40.1	40.8	41.9	42.1	42.3	42.6	43.5	44.3	45.2	45.6	45.1
COM'L, TRANSIT, FARM EQ	46.2	56.2	58.3	59.8	60.7	62.7	64.5	63.5	65.4	63.1	65.6	67.2	70.5	72.6	72.0
DEFENSE & SPACE EQUIP.	32.7	50.0	50.8	51.3	51.8	52.5	53.5	54.1	54.3	55.5	55.3	55.7	56.7	56.8	58.1
INTERMEDIATE PRODUCTS	116.6	140.0	147.1	147.1	147.6	147.6	149.8	151.9	152.2	152.2	151.9	153.4	155.7	155.9	154.8
CONSTRUCTION SUPPLIES	57.8	60.4	63.8	63.9	63.8	63.8	65.7	67.2	67.9	67.2	66.6	67.4	68.1	68.3	67.9
BUSINESS SUPPLIES	58.8	79.6	83.2	83.2	83.8	83.7	84.1	84.9	84.3	85.0	85.4	86.0	87.6	87.5	
COMMERCIAL ENERGY PRDCT	15.6	20.1	20.7	20.4	20.5	20.4	20.9	20.9	20.3	20.9	20.9	21.4	21.3	20.9	

Table 8

**INDUSTRIAL PRODUCTION: DIFFUSION INDEXES**

Percent of component series higher than in earlier months

	ONE MONTH EARLIER	THREE MONTHS EARLIER	SIX MONTHS EARLIER
<b>1967-83</b>			
AVERAGE	54.2	57.1	59.3
HIGH	75.5	83.8	87.0
LOW	22.6	15.7	14.7
<b>1982</b>			
AUGUST	45.5	53.8	40.4
SEPTEMBER	45.5	44.7	42.2
OCTOBER	35.1	39.6	43.8
NOVEMBER	48.1	39.8	43.8
DECEMBER	46.2	38.7	36.0
<b>1983</b>			
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	63.3
MAY	64.9	74.5	74.3
JUNE	66.0	71.7	77.2
JULY	75.5	74.4	75.1
AUGUST	57.9	76.0	75.1
SEPTEMBER	75.5	83.8	80.6
OCTOBER	56.0	69.8	87.0
NOVEMBER	56.6	67.2	80.9
DECEMBER	60.6	60.2	79.1
<b>1984</b>			
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	69.1	67.2	66.8
AUGUST	44.7	63.4	50.6

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 ADJUSTMENT 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)	BILL. KWH. 1967	1983 AVG.	1983		1984		1984					PERCENT CHG. FROM PREV. MO. YR.			
				Q 2	Q 3	Q 4	Q 1	Q 2	MAR	APR	MAY	JUNE	JULY	AUG	(P)	(R)
<b>TOTAL</b>		560.4	126.5	123.9	131.1	132.0	135.6	138.1	136.9	137.3	137.8	139.3	139.0	138.7	-2	5.0
<b>MAJOR MARKET GROUPINGS</b>																
PRODUCTS, TOTAL		136.1	152.0	149.7	157.3	155.6	161.1	161.3	162.1	159.6	160.7	163.4	166.3	165.7	-4	4.7
FINAL PRODUCTS		101.4	150.0	147.6	155.8	152.6	158.4	158.9	159.6	157.0	158.0	161.7	164.2	163.7	-3	4.1
CONSUMER GOODS		67.4	156.7	154.9	162.8	158.3	164.2	163.9	165.7	162.2	163.2	166.3	167.6	166.6	-6	1.5
EQUIPMENT		34.0	132.9	129.3	137.6	137.9	144.1	146.2	144.2	144.2	145.1	149.2	154.5	155.7	.8	12.1
INTERMEDIATE PRODUCTS		34.7	158.2	156.2	162.4	164.2	168.3	168.8	169.5	167.9	169.5	169.1	173.4	172.6	-4	6.4
MATERIALS		224.3	118.0	115.4	122.1	124.2	127.4	130.4	129.1	130.1	129.8	131.2	129.8			
DURABLE		237.7	103.8	100.7	108.4	111.8	117.1	120.3	119.5	119.6	120.9	120.4	118.7			
NONDURABLE		133.0	134.9	134.1	138.4	139.1	140.5	141.8	143.0	142.4	141.4	141.5	142.2	139.7	-1.6	1.0
ENERGY, EX. EREA		23.8	182.8	179.3	186.0	188.4	200.6	207.9	205.8	209.7	205.8	208.2	209.7	207.8	-9	12.7
<b>MAJOR INDUSTRY DIVISIONS</b>																
MINING	10-14	34.7	158.3	153.7	163.2	165.0	180.5	184.3	185.5	183.4	186.0	183.4	188.3	184.1	-2.2	11.7
MANUFACTURING		519.2	124.8	122.2	129.4	130.2	133.2	135.2	134.3	134.4	134.5	136.5	136.8	136.0	-6	4.5
DURABLE	19,24-25,32-39	254.1	113.5	109.9	118.3	120.8	126.6	128.3	128.3	127.6	128.0	129.2	128.9	130.6	1.3	9.3
NONDURABLE	20-23,26-31	265.1	135.6	133.6	139.4	138.9	140.3	141.4	140.8	140.6	140.4	143.2	143.2	141.0	-1.6	.7
UTILITIES, OWN USE	491,2	6.5	140.1													
<b>INDUSTRY GROUPS AND SERIES</b>																
METAL MINING	101	9.9	115.3	117.0	123.1	116.4	131.6	139.5	141.2	137.0	144.5	136.9	139.0	124.3	-10.5	-1.4
IRON ORE	1011	5.0	105.5	110.0	118.5	100.7	131.8	151.2	148.8	146.7	160.8	146.2	146.0	121.7	-16.6	-3.9
COPPER ORE	1021	3.0	139.3	137.2	144.4	149.9	138.6	126.0	136.8	128.8	126.1	123.2	129.7	128.5	-9	-9.6
COAL	11,21	5.9	190.0	177.6	184.3	209.8	233.6	223.6	235.6	226.6	224.9	219.3	229.7	226.3	-1.5	25.9
OIL AND GAS EXTRACTION	131	11.9	208.4	202.3	218.3	211.8	228.0	241.5	234.2	242.7	240.6	241.2	246.2	245.5	-3	12.2
CRUDE OIL AND NAT. GAS	1311	8.9	239.5	228.1	253.8	245.8	270.5	286.1	276.5	288.4	285.8	284.0	293.5	290.7	-1.0	15.3
NATURAL GAS LIQUIDS	1321	2.5	118.8	123.4	119.1	111.1	110.0	129.9	123.1	124.8	130.7	134.1	131.4	129.7	-1.3	6.3
STONE AND EARTH MINERALS	141	6.9	134.4	132.8	132.8	141.9	147.6	152.6	150.5	148.7	154.8	154.3	159.8	156.8	-1.8	16.5
CRUSHED STONE	1421	1.5	153.5	150.5	155.4	158.2	170.6	166.2	174.4	163.7	168.4	166.4	174.0	169.1	-2.8	13.7
SAND AND GRAVEL	1441	1.1	110.6	104.0	115.5	119.4	140.3	138.9	137.4	126.9	147.1	142.9	142.7	147.5	3.4	24.6
CHEMICAL MINERALS	1471	3.4	135.8	133.6	130.3	144.4	148.2	153.4	150.9	152.2	153.4	154.6	162.4	156.3	-3.8	16.7
ORDNANCE	191	4.1	102.7	99.4	104.2	107.7	112.5	105.7	112.3	106.1	98.7	112.3	117.0	114.3	-2.3	8.4
FOODS	201	26.8	163.7	162.4	168.7	163.9	168.9	171.3	173.3	170.7	170.6	172.6	173.6	171.9	-9	2.2
MEAT PRODUCTS	2011	4.2	166.9	164.3	166.8	164.2	173.3	171.3	184.3	166.3	176.0	171.6	170.4	166.8	-2.1	-9
DAIRY PRODUCTS	2021	4.1	146.8	143.4	148.0	148.8	161.8	157.7	165.1	161.6	155.2	156.3	153.4	152.0	-9	3.3
CANNED AND FROZEN FOODS	2031	3.2	212.3	212.2	217.1	212.3	213.1	229.3	223.1	229.3	223.6	235.1	247.7	245.5	-9	13.3
GRAIN MILL PRODUCTS	2041	4.8	152.7	152.1	161.0	154.9	155.5	158.9	155.7	156.6	162.0	158.1	160.0	159.5	-3	1.1
BAKERY PRODUCTS	2051	1.8	152.1	148.9	157.0	155.6	162.8	167.3	166.7	164.8	166.4	170.6	171.1	170.5	-3	10.1
SUGAR	2061	1.2	255.5	300.9	362.8	219.0	231.5	330.3	274.1	297.4	316.7	376.8	371.8	357.3	-3.9	-1.2
CONFECTIONERY	2071	1.0	151.2	146.5	139.8	154.2	166.3	135.0	157.4	147.5	130.2	127.4	134.0	128.5	-4.1	-7.0
BEVERAGES	2081	2.4	207.9	205.0	212.7	209.9	220.4	212.3	213.8	212.9	211.3	212.7	211.2	210.7	-2	-2.6
MISC. FOOD PRODUCTS	2091	4.1	128.2	126.3	134.6	127.0	127.2	132.9	134.8	130.2	133.8	134.7	136.7	137.8	.8	2.9
TOBACCO PRODUCTS	211	.9	122.9	122.8	125.7	128.2	130.2	140.5	133.7	136.1	140.4	145.1	137.8	137.4	-3	11.0
TEXTILE MILL PRODUCTS	221	20.8	114.9	113.2	122.0	121.8	118.4	118.8	123.5	117.3	117.7	121.5	118.9	119.6	.6	.3
FABRICS	221-41	11.7	90.8	89.0	99.1	96.7	92.4	94.8	97.7	91.4	93.5	99.1	98.7	96.3	-2.5	.2
KNIT GOODS	2251	1.7	140.7	137.9	147.0	143.2	148.8	140.6	147.9	142.7	134.9	144.1	145.7	141.2	-3.1	-4
FABRIC FINISHING	2261	1.5	148.3	144.8	159.9	155.4	147.0	146.1	148.9	145.3	143.9	149.2	158.8	150.3	-5.3	-3.3
YARN AND THREAD	2281	3.9	164.1	164.3	173.9	173.8	167.5	167.4	175.2	166.0	165.9	170.2	160.4	169.7	5.8	-2.0
MISC. TEXTILES	2291	1.4	140.8	136.7	148.0	148.7	141.7	151.9	156.5	140.8	159.7	155.3	143.7	156.9	9.2	13.5
APPAREL PRODUCTS	231	3.6	167.2	159.5	167.3	176.6	187.2	181.9	187.1	183.6	181.3	180.7	181.8	178.9	-1.6	7.9
MEN'S OUTERWEAR	231,21	1.0	152.8	146.4	158.5	154.3	168.0	165.5	170.9	168.3	164.3	163.8	174.3	170.6	-2.1	7.2
WOMEN'S OUTERWEAR	2331	1.0	226.5	210.1	229.4	241.2	241.5	227.2	231.6	227.6	222.1	232.0	231.1	229.7	-6	.1
LUMBER AND PRODUCTS	241	8.0	201.9	201.3	209.3	207.9	213.5	213.2	213.6	211.7	213.6	214.3	217.6	219.7	1.0	4.5
LUMBER	2421	3.9	195.5	194.2	200.2	198.5	203.7	197.0	200.9	195.4	194.7	200.8	206.9	210.8	1.9	5.6
MILLWORK AND PLYWOOD	2431	2.2	211.9	206.6	223.4	226.0	230.5	230.9	232.1	228.8	237.0	226.8	239.8	224.6	-6.3	2.2
FURNITURE AND FIXTURES	251	2.5	154.8	152.6	160.6	158.3	165.4	167.7	165.3	165.2	168.5	169.5	174.9	170.8	-2.3	7.2
HOME FURNITURE	2511	1.7	190.4	192.3	196.2	194.6	198.8	196.0	198.2	193.9	195.5	198.7	199.9	200.4	.2	2.7
PAPER AND PRODUCTS	261	49.1	127.6	126.2	130.0	129.5	127.3	127.0	126.8	128.3	126.1	126.7	130.8	126.4	-3.4	-3.1
WOOD PULP	2611	3.5	103.3	105.5	102.2	105.4	98.8	103.4	99.5	103.2	101.8	105.3	110.1	100.2	-8.9	-1.9
PAPER	2621	24.5	135.5	133.4	139.9	138.6	133.4	133.2	131.6	137.7	128.5	133.3	137.4	129.3	-6.0	-7.3
PAPERBOARD	2631	14.8	131.8	132.8	133.3	129.3	131.2	129.1	132.6	128.8	127.6	131.0	136.3	132.5	-2.8	.5
CONVERTED PAPER	2641	2.5	153.3	151.7	159.8	154.3	158.0	152.4	156.7	152.0	153.4	151.9	162.7	164.3	1.0	-3
PAPERBOARD CONTAINERS	2651	2.3	141.4	137.1	144.6	148.5	155.7	155.8	150.5	158.9	152.4	156.1	161.0	165.8	3.0	12.2
BUILDING PAPER AND BOARD	2661	1.4	191.3	190.3	196.7	206.1	219.8	224.3	229.8	219.2	224.3	229.3	206.4	193.2	-6.4	4.4
PRINTING AND PUBLISHING	271	5.8	179.3	171.2	182.7	188.5	193.2	193.2	192.7	191.4	194.1	194.2	201.7	202.2	.2	9.7
NEWSPAPERS	2711	1.7	150.4	146.8	148.2	155.7	160.8	159.1	160.9	156.7	159.2	161.4	162.6	161.7	-6	8.5
COMMERCIAL PRINTING	2751	2.4	196.8	188.3	201.3	202.0	214.6	208.2	211.1	205.9	208.3	210.2	219.9	222.0	.9	8.0

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			1984		1984					PERCENT CHG. FROM PREV. YR.		
				Q 2	Q 3	Q 4	Q 1	Q 2	MAR	APR	MAY	JUNE	JULY	AUG	83-84	84-85
													(B)	(C)	(D)	
<b>TOTAL</b>		560.4	126.5	124.7	130.8	133.0	134.1	138.9	137.6	137.4	139.2	140.2	136.9	138.7	1.3	5.0
<b>MAJOR MARKET GROUPINGS</b>																
PRODUCTS, TOTAL		136.1	152.0	149.2	162.1	156.5	155.8	160.8	157.8	156.1	158.6	167.3	167.5	171.0	2.1	4.7
FINAL PRODUCTS		101.4	150.0	147.0	161.4	153.3	152.9	158.1	154.7	152.6	155.6	166.2	166.1	169.5	2.0	4.1
CONSUMER GOODS		67.4	156.7	154.0	169.1	159.4	157.7	163.0	159.4	156.8	160.7	171.3	170.0	173.6	2.1	1.5
EQUIPMENT		34.0	132.9	129.0	141.6	137.5	140.8	145.8	142.6	141.8	142.6	153.1	156.3	159.3	1.9	12.1
INTERMEDIATE PRODUCTS		34.7	158.2	156.1	164.3	166.2	164.6	168.7	167.2	166.8	168.5	170.8	171.6	175.6	2.3	6.4
MATERIALS		424.3	118.0	116.5	120.4	125.2	126.9	131.7	130.9	131.2	132.7	131.2	126.7			
DURABLE		237.7	103.8	102.1	106.6	111.8	117.2	122.0	122.4	121.2	124.1	120.8	116.3			
NONDURABLE		133.0	134.9	134.9	139.1	140.1	137.7	142.6	141.8	142.3	142.3	143.3	140.0	142.3	1.6	1.0
ENERGY, EX. ERDA		23.8	182.8	178.6	176.7	189.4	210.5	207.1	206.8	209.9	205.6	205.7	198.1	198.5	.2	12.7
<b>MAJOR INDUSTRY DIVISIONS</b>																
MINING	10-14	34.7	158.3	156.3	157.9	165.7	182.1	187.5	187.2	186.7	189.5	186.2	179.3	177.3	-1.1	11.7
MANUFACTURING		519.2	124.8	122.9	129.5	131.2	131.2	136.0	134.6	134.3	136.1	137.5	134.6	136.8	1.6	4.5
DURABLE	19,24-25,32-39	254.1	113.5	111.1	117.7	121.2	125.5	129.7	129.8	128.1	130.5	130.5	127.1	129.7	2.0	9.3
NONDURABLE	20-23,26-31	265.1	135.6	134.1	140.8	140.7	136.6	141.9	139.2	140.2	141.5	144.1	141.7	143.5	1.3	.7
UTILITIES, OWN USE	491,2	6.5	140.1													
<b>INDUSTRY GROUPS AND SERIES</b>																
METAL MINING	10	9.9	115.3	120.0	119.9	116.5	131.3	143.1	140.7	138.9	145.6	140.6	135.1	119.4	-11.6	-1.4
IRON ORE	101	5.0	105.5	112.7	116.0	101.1	130.6	155.0	147.3	149.5	165.9	149.6	145.4	116.9	-19.6	-3.9
COPPER ORE	102	3.0	139.3	142.2	136.3	150.2	140.7	130.6	138.4	130.3	132.5	128.8	119.2	117.8	-1.1	-9.6
COAL	11,2	5.9	190.0	179.4	162.9	213.3	254.4	225.9	250.9	236.5	225.1	216.1	180.1	211.4	17.4	25.9
OIL AND GAS EXTRACTION	13	11.9	208.4	201.5	218.3	211.9	228.6	240.5	233.3	240.2	238.2	243.1	248.2	242.1	-2.5	12.2
CRUDE OIL AND NAT. GAS	131	8.9	239.5	227.2	252.3	247.0	271.6	284.8	274.8	287.0	280.6	286.8	292.9	284.3	-2.9	15.3
NATURAL GAS LIQUIDS	132	2.5	118.8	122.3	123.2	111.2	107.9	128.9	119.8	121.2	130.1	135.3	136.2	134.8	-1.0	6.3
STONE AND EARTH MINERALS	14	6.9	134.4	135.1	133.0	145.3	141.0	155.2	146.3	149.6	158.0	158.0	157.0	157.8	.5	16.9
CRUSHED STONE	142	1.5	153.5	157.6	164.6	167.1	142.5	174.0	148.3	162.5	179.1	180.2	182.0	181.3	-4	13.7
SAND AND GRAVEL	144	1.1	110.6	107.6	121.7	126.6	119.1	143.8	119.1	126.5	153.5	151.4	148.6	156.5	5.4	24.6
CHEMICAL MINERALS	147	3.4	135.8	134.5	128.1	146.4	147.6	154.4	154.4	153.6	154.6	154.9	153.8	153.4	-2	16.7
ORDNANCE	19	4.1	102.7	98.5	109.7	107.1	108.1	104.8	108.6	101.0	97.7	115.8	121.2	122.2	.8	8.4
FOODS	20	26.8	163.7	158.1	179.3	167.1	159.3	166.7	161.8	160.3	164.1	175.7	180.3	184.0	2.0	2.2
MEAT PRODUCTS	201	4.2	166.9	161.1	183.5	165.2	158.0	168.0	166.1	156.8	169.2	178.1	186.8	187.0	.1	-9
DAIRY PRODUCTS	202	4.1	146.8	144.5	166.9	143.2	145.3	159.1	148.8	152.9	153.5	170.8	175.2	171.8	-1.9	3.3
CANNED AND FROZEN FOODS	203	3.2	212.3	203.4	232.9	218.6	199.9	219.7	208.4	215.1	214.1	230.9	241.3	259.5	7.6	13.3
GRAIN MILL PRODUCTS	204	4.8	152.7	146.5	162.3	159.5	155.2	153.0	154.1	148.6	152.6	157.8	156.4	163.8	3.5	1.1
BAKERY PRODUCTS	205	1.8	152.1	146.1	171.6	154.9	151.2	164.3	154.8	154.9	160.8	177.1	184.4	186.6	1.2	10.1
SUGAR	206	1.2	255.5	222.9	266.0	293.4	256.7	244.8	248.6	262.3	242.3	260.0	268.8	267.2	-6	-1.2
CONFECTIONERY	207	1.0	151.2	146.3	148.8	159.5	148.4	134.7	147.7	140.0	128.1	136.2	130.4	139.7	7.2	-7.0
BEVERAGES	208	2.4	207.9	205.4	237.3	205.6	198.8	212.6	196.3	202.7	207.7	227.3	232.5	238.1	2.2	-2.8
MISC. FOOD PRODUCTS	209	4.1	128.2	123.3	139.7	130.9	121.3	129.9	124.8	123.1	128.3	138.2	141.1	141.9	.6	2.9
TOBACCO PRODUCTS	21	.9	122.9	116.5	137.2	131.9	121.0	133.2	126.7	122.2	131.4	146.1	132.8	154.4	16.3	11.0
TEXTILE MILL PRODUCTS	22	20.8	114.9	116.4	126.1	121.8	111.0	122.1	118.3	115.1	120.1	131.2	110.7	130.2	17.6	.3
FABRICS	221-44	11.7	90.8	91.6	100.7	96.8	88.0	97.6	94.3	90.7	96.2	105.8	85.6	103.9	15.9	.2
KNIT GOODS	225	1.7	140.7	141.4	159.4	142.0	130.3	144.0	137.1	136.7	137.0	158.3	143.1	161.0	12.5	-4
FABRIC FINISHING	226	1.5	148.3	149.1	154.9	156.9	145.7	150.4	151.4	147.1	147.6	156.3	138.1	152.6	10.5	-3.3
YARN AND THREAD	228	3.9	164.1	169.1	179.4	175.0	156.1	172.1	166.8	163.9	168.5	183.8	148.5	184.8	24.4	-2.0
MISC. TEXTILES	229	1.4	140.8	139.8	147.6	149.3	138.3	155.5	152.6	143.4	158.4	164.7	134.5	165.8	23.3	13.5
APPAREL PRODUCTS	23	3.6	167.2	155.8	194.6	170.8	166.7	177.6	168.0	167.1	171.7	194.1	195.7	216.1	10.4	7.9
MEN'S OUTERWEAR	231,2	1.0	152.8	144.2	184.6	151.7	145.6	162.7	149.9	151.8	157.2	179.2	184.1	205.1	11.4	7.2
WOMEN'S OUTERWEAR	233	1.0	226.5	207.6	273.1	229.7	208.7	224.9	204.7	202.8	215.2	256.6	258.8	284.8	10.0	.1
LUMBER AND PRODUCTS	24	8.0	201.9	201.9	202.0	209.9	217.6	213.9	220.4	217.6	213.6	210.2	204.3	212.0	3.8	4.5
LUMBER	242	3.9	195.5	196.7	192.9	199.8	206.7	199.6	207.9	205.9	198.1	194.8	191.8	205.1	7.0	5.6
MILLWORK AND PLYWOOD	243	2.2	211.9	211.8	214.3	223.6	236.2	236.7	242.4	238.7	242.5	229.1	223.7	217.0	-3.0	2.2
FURNITURE AND FIXTURES	25	2.5	154.8	151.7	158.9	160.0	166.5	166.8	167.1	165.1	164.6	170.7	156.8	174.8	10.1	7.2
HOME FURNITURE	251	1.7	190.4	192.9	191.1	195.7	202.0	196.5	203.0	197.1	192.3	200.1	175.9	204.2	16.0	2.7
PAPER AND PRODUCTS	26	49.1	127.6	127.8	129.6	129.3	126.4	128.6	128.1	129.3	127.7	128.6	127.4	128.6	.9	-3.1
WOOD PULP	261	3.5	103.3	106.1	102.0	105.8	98.1	103.9	100.2	105.3	102.3	104.2	105.4	98.7	-9.8	-1.9
PAPER	262	24.5	135.5	135.5	138.5	137.6	133.3	135.2	135.5	138.8	133.4	133.5	132.9	132.6	-2	-7.3
PAPERBOARD	263	14.8	131.8	135.6	130.6	127.7	132.6	131.8	136.7	129.0	131.0	135.4	129.2	133.4	3.3	.5
CONVERTED PAPER	264	2.5	153.3	153.0	161.6	157.0	152.0	153.7	151.7	151.7	153.8	155.6	155.3	166.5	4.5	-3
PAPERBOARD CONTAINERS	265	2.3	141.4	138.4	146.2	147.8	152.9	157.3	155.2	158.1	151.9	162.0	155.8	171.6	10.1	12.2
BUILDING PAPER AND BOARD	266	1.4	191.3	191.2	200.1	206.9	212.9	225.4	223.2	221.8	226.4	228.0	204.6	205.7	.5	4.4
PRINTING AND PUBLISHING	27	5.8	179.3	167.9	205.8	185.1	175.6	189.6	176.5	177.6	186.5	204.3	223.1	230.3	3.2	9.7
NEWSPAPERS	271	1.7	150.4	144.7	170.3	152.4	142.2	156.9	142.1	145.1	154.1	171.5	186.2	187.9	.9	8.5
COMMERCIAL PRINTING	275	2.4	196.8	183.9	228.3	202.1	190.5	203.4	190.6	190.1	200.4	219.6	241.5	254.0	5.2	8.0

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 1967	
				Q 2	Q 3	Q 4	Q 1	Q 2	MAR	APR	MAY	JUNE	JULY	AUG	83. %	84. %	
<b>CHEMICALS AND PRODUCTS</b>	28	116.8	122.9	120.5	125.7	127.4	129.0	130.9	129.0	130.0	128.6	133.8	131.3	128.6	-2.1	1.8	
BASIC CHEMICALS	2811	96.4	107.9	106.7	111.6	110.8	110.3	116.4	110.1	114.0	114.6	120.5	116.0	113.6	-2.1	1.3	
ALKALIES AND CHLORINE	2812	12.3	142.5	141.6	147.4	145.7	156.8	164.3	160.6	163.6	159.7	169.6	149.2	152.0	1.9	1.8	
BASIC ORGANIC CHEM. NEC	2818	24.8	142.2	144.5	138.8	142.4	147.0	148.6	148.8	148.5	149.0	148.4	143.7	142.4	-9.9	2.3	
INORGANIC CHEM. NEC	2819	48.6	86.1	84.1	92.7	90.2	85.2	96.2	83.5	90.0	92.2	106.3	97.1	93.7	-3.5	.8	
ACID AND FEET. MAT'L.S.		18.8	86.3	85.3	88.5	90.5	90.3	93.5	87.5	91.3	92.2	96.9	93.6	93.2	-4.4	4.0	
ERDA		29.8	85.9	83.7	96.6	90.2	81.5	98.4	80.2	88.5	92.1	114.5	101.5	95.2	-6.2	-1.4	
<b>SYNTHETIC MATERIALS</b>	282	12.1	188.5	186.1	197.1	203.8	199.3	200.0	203.0	202.2	196.5	201.4	200.9	197.0	-1.9	.4	
PLASTICS MATERIALS	2821	4.4	206.6	210.2	217.5	216.9	225.8	224.5	237.0	228.6	220.1	224.8	216.9	215.0	-9.9	-2.8	
OTHER SYNTHETICS	2822-4	7.7	178.6	174.0	185.8	195.3	185.5	187.8	185.3	185.2	188.1	190.1	192.8	185.4	-3.9	2.6	
DRUGS	2831	2.0	240.3	236.7	248.2	239.6	243.9	247.9	240.7	249.5	240.0	254.1	256.1	258.4	.9	3.0	
SOAP AND TOILETRIES	2841	1.0	156.8	149.5	169.3	159.1	154.8	149.9	151.2	144.6	146.4	158.7	167.7	168.6	.5	-4.8	
FARM CHEMICALS	2871	2.7	140.3	138.3	136.9	150.2	148.4	145.9	149.0	148.1	145.0	144.5	155.8	158.1	1.4	18.0	
<b>PETROLEUM PRODUCTS</b>	29	22.3	187.6	188.3	190.9	185.1	190.5	187.3	189.3	186.3	187.9	187.8	186.8	182.9	-2.1	-5.1	
<b>RUBBER AND PLASTICS EXCEPT TIRES</b>	301	10.8	191.1	189.8	198.1	199.7	206.2	208.9	208.9	206.3	210.6	209.9	217.4	215.8	-7.7	9.5	
RUBBER PRODUCTS NEC	3061	2.3	123.4	122.8	127.5	126.1	134.5	135.4	137.3	135.9	139.6	130.8	147.4	129.4	-12.2	4.3	
PLASTICS PRODUCTS NEC	3071	4.8	287.7	282.5	300.5	304.2	318.0	320.4	319.4	315.8	320.6	324.9	331.6	327.8	-1.1	10.9	
<b>LEATHER AND PRODUCTS EXCEPT SHOES</b>	31	1.3	108.5	106.3	111.0	108.9	109.3	106.7	108.2	106.6	107.5	105.8	103.4	107.0	3.5	-4.6	
SHOES	3141	.6	94.8	93.6	96.7	91.7	95.4	91.5	92.5	92.6	90.5	91.4	91.5	91.5	.1	-6.2	
<b>CLAY, GLASS, STONE PRODUCTS</b>	32	20.8	138.0	136.1	141.8	143.8	147.7	148.0	149.4	147.4	147.2	149.3	150.3	149.3	-6.6	5.8	
FLAT GLASS	3211	1.2	104.9	102.4	102.4	114.4	114.3	112.9	113.8	112.1	112.5	114.1	118.2	119.0	.6	16.8	
PRESSED AND BLOWN GLASS	3221	3.5	198.9	196.2	206.7	202.2	206.8	206.6	209.2	206.9	207.5	205.3	204.4	204.0	-2.2	-1.8	
CEMENT	3241	8.4	100.0	97.1	105.0	107.0	105.1	107.0	104.7	106.0	103.2	111.9	112.2	109.6	-2.3	4.8	
STRUCTURAL CLAY PRODUCTS	3251	1.3	94.3	93.2	99.4	103.6	100.5	101.8	101.0	99.8	104.3	101.2	100.5	100.0	-5.5	1.9	
CONCRETE PRODUCTS	3271	2.3	183.5	178.4	190.3	194.1	207.2	207.4	210.4	209.3	212.0	200.8	212.2	205.8	-3.0	7.3	
<b>PRIMARY METALS</b>	33	132.0	91.5	88.1	94.9	100.1	105.7	108.3	107.7	108.2	109.4	107.4	104.6	105.7	1.0	16.4	
BASIC STEEL & MILL PRD.	3311	54.4	78.3	77.3	80.1	85.5	91.7	92.4	94.3	94.8	93.4	88.9	86.9	87.8	1.0	7.6	
IRON & STEEL FOUNDRIES	3321	5.9	150.5	147.7	161.7	155.4	163.2	169.5	170.5	168.1	170.8	169.7	177.9	177.9	0.0	10.6	
PRIMARY NONFERROUS METALS	333	59.5	86.0	80.1	90.5	96.8	101.5	107.8	102.8	105.4	109.0	109.2	106.3	107.4	1.0	16.7	
ALUMINUM	3334	53.6	78.3	71.8	83.6	89.4	96.1	102.4	99.2	100.1	103.2	103.8	100.4	100.4	0.0	18.0	
NONFERROUS MILL PRODUCTS	3351	8.4	115.4	110.9	121.7	123.3	124.3	118.4	124.9	119.7	119.4	116.2	115.3	122.4	6.2	2.0	
NONFERROUS FOUNDRIES	3361	1.4	150.6	146.7	159.1	167.4	163.4	170.9	172.4	172.9	172.6	167.3	171.3	179.4	4.7	12.5	
<b>FABRICATED METAL PRODUCTS</b>	34	14.8	155.3	151.5	161.9	161.1	167.2	171.7	170.9	170.5	170.5	173.9	177.4	177.3	-1.1	9.4	
METAL CANS	3411	1.0	201.0	200.6	203.3	207.6	205.8	207.5	217.7	203.0	208.0	211.6	203.0	200.6	-1.2	-7.8	
HARDWARE	3421	1.6	142.5	137.5	153.0	147.6	150.3	152.5	151.5	151.1	149.6	156.8	162.6	167.7	3.2	5.9	
STRUCTURAL METAL PRD.	3441	3.5	134.4	129.7	138.6	138.2	144.8	143.0	145.1	145.9	138.2	144.8	153.0	146.2	-4.5	6.6	
FASTENERS	3451	1.2	137.2	130.5	143.5	145.5	148.3	155.3	149.2	147.5	155.2	163.1	160.3	167.7	4.6	14.9	
METAL STAMPINGS	3461	3.1	148.9	142.4	157.9	158.7	169.2	170.7	172.2	170.5	169.1	172.4	174.8	171.5	-1.9	9.4	
<b>NONELECTRICAL MACHINERY</b>	35	17.3	147.3	143.7	153.2	155.3	163.1	165.4	162.9	163.5	166.0	166.9	173.9	174.8	.5	13.1	
ENGINES AND TURBINES	3511	1.4	124.3	123.3	129.1	126.6	131.5	130.3	130.7	130.6	128.2	132.1	133.5	142.6	6.9	1.3	
FARM EQUIPMENT	3521	1.2	70.0	67.5	71.6	68.2	73.5	73.6	71.7	72.8	75.9	72.2	83.7	85.6	2.3	11.5	
CONSTRUCTION EQUIPMENT	3531	3.0	117.0	113.0	123.4	121.0	130.7	132.6	130.6	130.0	134.7	133.1	143.1	141.2	-1.3	14.5	
METALWORKING MACHINERY	354	2.8	112.0	107.8	119.8	114.3	123.6	126.9	126.1	126.0	126.8	127.8	131.6	133.0	1.1	11.2	
SPECIAL INDUSTRY MACH.	3551	1.5	138.7	136.2	145.1	143.8	151.5	152.4	154.4	152.5	148.7	156.1	155.9	158.3	1.6	8.2	
GENERAL INDUSTRIAL MACH.	3561	2.7	139.0	133.8	145.3	147.7	157.4	159.0	158.5	155.5	160.3	161.3	169.3	162.4	-4.1	10.4	
OFFICE AND COMPUTING MACH.	3571	1.4	317.0	314.7	311.7	340.0	360.7	358.5	356.4	348.3	357.3	369.9	379.0	400.9	5.8	25.8	
SERVICE INDUSTRY MACH.	3581	1.2	134.1	129.4	138.4	142.1	152.0	151.9	154.3	154.0	150.6	151.0	156.0	157.2	.7	18.6	
<b>ELECTRICAL MACHINERY</b>	36	19.2	140.5	136.1	145.2	147.8	152.5	154.4	153.8	154.9	151.6	156.6	162.7	162.8	.1	11.5	
ELECT. DISTRIBUTION EQ.	3611	1.8	107.4	105.1	109.2	108.5	113.5	111.3	112.4	109.2	111.0	113.7	109.3	122.4	12.0	6.1	
ELECT. INDUST. APPARATUS	3621	3.5	97.5	95.9	101.5	101.8	103.3	101.6	105.1	103.5	99.3	101.9	103.3	102.6	-7.7	-1.1	
HOME APPLIANCES	3631	2.2	94.5	94.6	94.0	96.1	102.4	100.4	102.8	102.1	98.7	100.4	98.2	102.4	4.3	9.1	
LIGHTING & WIRING PRD.	3641	1.5	145.6	136.8	155.6	155.5	156.4	152.0	155.3	154.2	148.9	152.9	162.0	159.7	-1.4	1.6	
RADIO AND TV SETS	3651	.8	123.0	119.9	126.6	126.4	141.0	135.6	139.7	141.5	131.3	134.0	138.9	134.1	-3.4	4.7	
COMMUNICATION EQUIP.	3661	3.9	186.7	180.1	196.3	191.8	203.9	209.0	205.2	214.9	202.1	210.0	234.6	229.3	-2.2	15.5	
ELECTRONIC COMPONENTS	3671	4.2	198.7	191.2	200.9	212.6	223.6	229.2	230.1	229.8	226.5	231.4	238.5	238.9	.2	17.7	
<b>TRANSPORTATION EQUIPMENT</b>	37	23.6	121.6	118.6	129.1	126.5	133.4	133.7	135.1	128.8	133.9	138.4	141.1	141.1	0.0	7.8	
MOTOR VEHICLES AND PARTS	3711	12.8	124.4	119.5	134.5	131.2	139.5	136.6	141.9	129.8	136.3	143.6	148.3	146.1	-1.5	7.3	
AIRCRAFT AND PARTS	3721	8.4	100.4	98.2	101.7	103.8	107.3	107.2	106.9	105.3	106.4	109.9	109.3	110.6	1.2	7.3	
SHIPS AND BOATS	3731	1.3	164.7	159.4	168.3	162.8	171.9	166.4	174.6	169.3	166.7	163.1	168.2	165.4	-1.6	-3.6	
<b>INSTRUMENTS</b>	38	3.1	182.6	175.7	187.0	185.6	196.3	196.6	194.4	197.2	193.9	198.7	201.3	200.6	-3.3	7.2	
PHOTOGRAPHIC EQUIPMENT	3861	1.4	173.6	168.9	173.5	170.8	181.2	179.4	179.8	182.9	170.6	184.8	180.9	181.5	.3	6.4	
<b>MISC. MANUFACTURES</b>	39	2.5	145.0	144.7	149.7	144.9	146.9	146.7	146.5	146.5	147.5	146.1	150.3	147.3	-1.9	-3.3	
<b>SUPPLEMENTARY GROUPINGS</b>																	
TOTAL, EXCLUDING ERDA		530.6	129.3	126.7	133.8	135.0	139.5	140.8	141.2	140.7	140.3	141.5	142.0				
ELECTRIC UTILITIES		462.6	140.6	136.8	146.8	147.6	152.3	154.6	154.6	153.6	153.8	156.2	157.5	156.3			

Table 9B—continued

**ELECTRIC POWER USE BY INDUSTRIES**

Not seasonally adjusted, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1983 AVG.	1983				1984				PERCENT CHG.				
				Q 2	Q 3	Q 4	Q 1	Q 2	MAR	APR	MAY	JUNE	JULY	AUG	PERC. CHG. 1984 VS. 1983	PERC. CHG. 1984 VS. 1983
<b>CHEMICALS AND PRODUCTS</b>	28	116.8	122.9	121.5	125.1	130.0	126.1	132.0	129.1	132.0	132.6	131.4	125.5	128.2	-1.0	1.8
BASIC CHEMICALS	281	96.4	107.9	106.2	107.8	114.7	110.4	115.8	112.7	116.0	117.1	114.3	111.9	110.3	-1.5	1.3
ALKALIES AND CHLORINE	2812	12.3	142.5	141.2	148.3	148.9	152.5	163.8	160.6	164.9	160.4	166.2	151.3	154.0	1.8	1.8
BASIC ORGANIC CHEM. NEC	2818	24.8	142.2	142.6	142.5	145.5	141.6	146.7	144.2	146.3	146.5	147.3	146.4	145.9	-4	2.3
INORGANIC CHEM. NEC	2819	48.6	86.1	83.1	85.0	95.5	87.8	95.0	88.7	93.4	96.2	95.2	89.0	87.0	-2.3	.8
ACID AND FERT. MAT'L.S.		18.8	86.3	86.3	87.3	91.1	89.6	94.6	90.3	92.7	94.4	96.7	94.0	92.8	-1.3	4.0
ERDA		29.8	85.9	81.1	83.5	98.3	86.6	95.2	87.7	93.9	97.3	94.3	85.9	83.3	-3.0	-1.4
<b>SYNTHETIC MATERIALS</b>	282	12.1	188.5	189.4	203.6	198.6	194.0	203.4	198.5	201.6	199.5	209.2	206.7	204.7	-1.0	.4
PLASTICS MATERIALS	2821	4.4	206.6	211.9	223.3	216.0	218.7	226.3	228.7	230.0	217.9	230.9	219.2	222.5	1.5	-2.8
OTHER SYNTHETICS	2822-4	7.7	178.6	177.1	193.0	189.2	180.7	191.1	182.2	186.3	189.4	197.5	200.0	195.0	-2.5	2.6
DRUGS	283	2.0	240.3	237.9	270.1	237.2	223.5	249.3	223.6	238.8	236.9	272.2	277.3	276.5	-3	3.0
SOAP AND TOILETRIES	284	1.0	156.8	150.6	172.1	159.9	150.2	150.9	152.2	144.2	148.6	159.9	170.2	167.4	-1.6	-4.8
FARM CHEMICALS	287	2.7	140.3	143.8	133.5	149.0	147.2	151.7	154.8	157.0	151.6	146.4	151.3	155.1	2.5	18.0
<b>PETROLEUM PRODUCTS</b>	29	22.3	187.6	186.1	196.4	186.1	186.1	185.1	181.7	181.0	183.7	190.4	192.0	189.1	-1.5	-5.1
<b>RUBBER AND PLASTICS PROP.</b>	30	10.8	191.1	190.3	197.2	201.9	204.1	209.5	211.9	205.4	210.2	212.8	206.3	216.8	5.1	9.5
TIRES	301	3.2	106.1	107.9	109.5	109.1	107.8	112.3	112.9	104.7	113.1	119.2	112.3	126.2	12.3	12.0
RUBBER PRODUCTS NEC	306	2.3	123.4	122.2	126.3	129.0	133.4	134.7	137.8	134.8	137.5	131.9	134.9	132.3	-1.9	4.3
PLASTICS PRODUCTS NEC	307	4.8	287.7	285.6	297.6	308.2	313.2	324.0	325.1	318.3	323.1	330.5	313.7	329.1	4.9	10.9
<b>LEATHER AND PRODUCTS</b>	31	1.3	108.5	107.0	112.2	108.4	108.0	107.4	108.2	106.0	106.9	109.2	97.1	112.0	15.4	-4.6
SHOES	314	.6	94.8	93.6	99.4	91.3	92.9	91.5	91.7	90.5	89.3	94.6	85.5	98.9	15.6	-6.2
<b>CLAY, GLASS, STONE PRODUCTS</b>	32	20.8	138.0	137.1	145.3	147.0	139.7	149.1	143.4	146.0	149.3	152.0	151.2	154.2	2.0	5.6
FLAT GLASS	321	1.2	104.9	102.5	104.5	114.8	111.7	112.9	110.9	111.3	112.6	114.9	118.0	123.5	4.6	16.8
PRESSED AND BLOWN GLASS	322	3.5	198.9	198.1	209.5	203.1	200.9	208.5	209.4	206.9	209.6	209.2	207.1	207.6	.3	-1.8
CEMENT	324	8.4	100.0	100.5	110.7	109.8	93.0	110.7	96.1	106.1	109.7	116.2	116.5	117.5	.8	4.8
STRUCTURAL CLAY PRODUCTS	325	1.3	94.3	93.6	97.9	105.0	100.1	102.1	99.7	101.5	102.9	102.0	96.2	99.4	1.2	1.9
CONCRETE PRODUCTS	327	2.3	183.5	180.4	193.3	197.5	197.8	209.7	202.0	209.8	212.9	206.4	211.3	210.5	-4	7.3
<b>PRIMARY METALS</b>	33	132.0	91.5	89.5	93.0	99.9	106.6	110.0	111.6	110.1	112.6	107.4	102.3	103.9	1.5	10.4
BASIC STEEL & MILL PROD.	331	54.4	78.3	79.5	77.1	84.3	93.8	95.0	99.0	98.1	97.3	89.7	83.3	85.1	2.2	7.6
IRON & STEEL FOUNDRIES	332	5.9	150.5	153.0	152.4	158.0	164.4	175.6	174.6	174.3	178.0	174.4	158.0	167.4	6.0	10.6
PRIMARY NONFERROUS METALS	333	59.5	86.0	80.9	89.8	96.7	101.2	108.9	105.6	105.7	112.1	109.0	107.2	106.0	-1.1	16.7
ALUMINUM	3334	53.6	78.3	72.2	84.1	89.3	94.8	103.0	99.5	99.4	105.5	103.6	102.5	100.8	-1.6	18.4
NONFERROUS MILL PRODUCTS	335	8.4	115.4	113.8	118.4	121.6	125.8	121.6	131.0	121.6	124.3	118.7	109.3	121.1	10.8	2.0
NONFERROUS FOUNDRIES	336	1.4	150.6	147.9	153.7	167.4	167.5	172.4	177.9	177.0	171.2	169.0	161.2	171.2	6.2	12.5
<b>FABRICATED METAL PRODUCTS</b>	34	14.8	155.3	151.9	161.1	161.0	167.6	172.1	173.5	170.5	170.2	175.7	171.9	176.7	2.8	9.4
METAL CANS	341	1.0	201.0	200.6	215.3	200.2	200.9	207.5	213.0	199.0	207.6	216.0	214.6	216.1	.7	-8
HARDWARE	342	1.6	142.5	137.9	148.9	150.2	151.2	152.9	155.0	151.4	149.5	157.9	156.6	157.5	.6	5.9
STRUCTURAL METAL PRD.	344	3.5	134.4	129.9	135.9	139.8	145.6	143.1	147.7	145.8	139.5	144.2	146.2	145.7	-3	6.6
FASTENERS	345	1.2	137.2	132.1	140.2	145.2	150.3	157.1	153.8	149.8	155.8	165.5	151.7	162.4	7.0	14.9
METAL STAMPINGS	346	3.1	148.9	144.3	155.6	158.9	168.5	173.0	177.2	172.9	170.8	175.4	165.2	170.8	3.4	9.4
<b>NONELECTRICAL MACHINERY</b>	35	17.3	147.3	143.5	156.5	154.4	160.4	165.3	162.2	161.0	163.3	171.5	173.4	177.6	2.5	13.1
ENGINES AND TURBINES	351	1.4	124.3	124.7	129.0	127.0	129.5	131.7	132.2	129.7	129.6	135.8	134.4	137.1	2.0	1.3
FARM EQUIPMENT	352	1.2	70.0	70.0	69.5	68.1	72.5	76.5	73.0	74.3	76.1	79.0	77.5	78.8	1.6	11.5
CONSTRUCTION EQUIPMENT	353	3.0	117.0	112.9	123.6	121.7	129.8	132.5	130.7	131.2	131.7	134.5	138.0	139.1	.9	14.5
METALWORKING MACHINERY	354	2.8	112.0	107.6	119.0	114.2	124.7	126.6	128.7	126.0	125.0	128.8	127.1	131.6	3.5	11.2
SPECIAL INDUSTRY MACH.	355	1.5	138.7	136.8	146.5	143.7	149.4	153.2	152.7	150.7	148.7	160.2	152.8	159.6	4.5	8.2
GENERAL INDUSTRIAL MACH.	356	2.7	139.0	134.2	146.9	147.8	154.7	159.6	157.7	154.3	159.0	165.5	165.8	162.6	-1.9	10.4
OFFICE AND COMPUTING MACH.	357	1.4	317.0	310.8	336.1	338.6	337.6	354.3	333.2	331.6	344.4	386.9	406.3	433.3	6.7	25.8
SERVICE INDUSTRY MACH.	358	1.2	134.1	131.5	145.6	138.6	145.2	154.3	149.5	150.0	151.5	161.5	166.7	160.5	-3.7	18.6
<b>ELECTRICAL MACHINERY</b>	36	19.2	140.5	136.5	149.3	147.6	148.1	154.8	151.0	151.3	151.1	161.8	163.2	166.1	1.8	11.5
ELECT. DISTRIBUTION EQ.	361	1.8	107.4	106.2	112.3	107.4	110.1	112.5	110.5	110.1	109.6	117.8	115.1	120.8	4.9	6.1
ELECT. INDUST. APPARATUS	362	3.5	97.5	97.2	102.0	101.2	101.8	103.0	105.0	103.3	101.0	104.6	102.7	103.1	.4	-1
HOME APPLIANCES	363	2.2	94.5	95.6	95.4	95.0	101.1	101.4	103.5	99.9	100.4	103.9	99.0	99.7	.8	9.1
LIGHTING & WIRING PRD.	364	1.5	145.6	140.4	152.1	156.5	155.0	156.0	159.5	155.9	151.6	160.4	151.0	149.9	-7	1.6
RADIO AND TV SETS	365	.8	123.0	119.0	137.9	125.1	130.5	134.5	129.5	133.4	128.7	141.4	145.4	146.1	1.8	4.7
COMMUNICATION EQUIP.	366	3.9	186.7	179.3	206.7	194.3	190.8	208.0	195.2	204.6	199.3	220.0	238.6	240.1	.6	15.5
ELECTRONIC COMPONENTS	367	4.2	198.7	191.4	213.6	210.7	210.8	229.4	217.9	219.2	226.1	242.9	246.9	253.4	2.7	17.7
<b>TRANSPORTATION EQUIPMENT</b>	37	23.6	121.6	119.1	130.0	128.0	130.5	134.3	134.4	127.5	133.7	141.7	136.3	141.6	2.4	7.8
MOTOR VEHICLES AND PARTS	371	12.8	124.4	121.8	133.1	133.4	136.1	139.2	140.6	130.2	139.1	148.2	140.2	144.5	3.1	7.3
AIRCRAFT AND PARTS	372	8.4	100.4	98.1	106.7	103.1	102.7	107.1	104.4	103.5	105.7	112.0	114.2	115.5	1.1	7.3
SHIPS AND BOATS	373	1.3	164.7	157.4	167.9	162.3	174.6	164.3	178.6	168.1	160.3	164.4	165.5	166.3	.5	-3.6
<b>INSTRUMENTS</b>	38	3.1	182.6	175.3	200.0	183.6	185.2	196.1	186.5	187.7	191.9	208.6	211.1	214.5	1.6	7.2
PHOTOGRAPHIC EQUIPMENT	386	1.4	173.6	169.7	182.7	170.3	170.8	180.4	173.2	173.3	174.4	193.4	188.3	193.3	2.7	6.4
<b>MISC. MANUFACTURES</b>	39	2.5	145.0	143.4	155.2	144.7	142.8	145.4	145.2	143.4	143.6	149.1	148.9	154.7	3.9	-3.3
<b>SUPPLEMENTARY GROUPINGS</b>																
TOTAL, EXCLUDING ERDA		530.6	129.3	127.7	134.1	135.4	137.4	142.0	141.1	140.4	142.1	143.4	140.4			

## 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.