

FEDERAL RESERVE



Industrial Production

G.12.3

For release at 9:30 a.m. (EDT)
June 13, 1980

Industrial production declined by an estimated 2.1 percent in May, following a decrease of 2.0 percent in April (revised from the 1.9 percent decline originally estimated). Reductions in output occurred in all major market groupings and were particularly sizable for automotive products, home goods, construction supplies, and durable goods materials. The May index, at 145.5 percent of the 1967 average, was 4.7 percent below the level of the index in January 1980.

Products. Output of consumer goods decreased 1.7 percent in May to a level 6.1 percent lower than in May 1979. The production of consumer durable goods dropped almost 5 percent in May, reflecting sharp declines in autos, utility vehicles, appliances, furniture, and carpeting. Auto assemblies, at an annual rate of 5.5 million units, were about 8 percent lower than in April and about 40 percent below the level of a year earlier. Among consumer nondurable goods, clothing and consumer fuel showed particularly large declines in output. Production of business equipment decreased 1.2 percent in May, following a slightly smaller decline in April. Output of construction supplies was again reduced sharply, bringing the level of production almost 11 percent below a year earlier.

Materials. Output of durable goods materials was reduced by 3.6 percent, reflecting further curtailments in the output of basic metals, particularly for steel, and continued decreases in production of other items. The production of nondurable goods materials, such as textiles, paper, chemicals, and containers, declined by 1.7 percent in May, following similar reductions in the preceding three months. Output of energy materials declined by 1.5 percent.

INDUSTRIAL PRODUCTION: SUMMARY (Seasonally Adjusted)

Indexes, 1967=100	1980		Percent changes						
	Apr. (p)	May (e)	Dec.	Jan.	Feb.	Mar.	Apr.	May	May May 79
			From preceding month						
Total	148.6	145.5	.1	.3	-.2	-.5	-2.0	-2.1	-4.5
Products, total	146.8	144.2	.2	.2	-.1	-.3	-1.7	-1.8	-4.1
Final Products	145.2	143.0	.3	.0	.3	-.2	-1.3	-1.5	-3.2
Consumer Goods	145.2	142.7	-.3	-.2	.2	-.4	-1.8	-1.7	-6.1
Durable	137.0	130.3	-1.7	-2.9	1.5	-.3	-4.9	-4.9	-18.8
Nondurable	148.5	147.7	.3	.9	-.3	-.4	-.7	-.5	-.7
Business Equipment	174.2	172.1	.9	.5	.5	.0	-.9	-1.2	.4
Intermediate Products	152.8	148.6	.1	.6	-.9	-.9	-3.2	-2.7	-6.8
Construction Supplies	146.0	139.8	-.4	.3	-1.3	-.8	-4.6	-4.2	-10.6
Materials	151.5	147.6	-.1	.3	-.5	-.5	-2.3	-2.6	-5.2

p--preliminary e--estimate

FEDERAL RESERVE

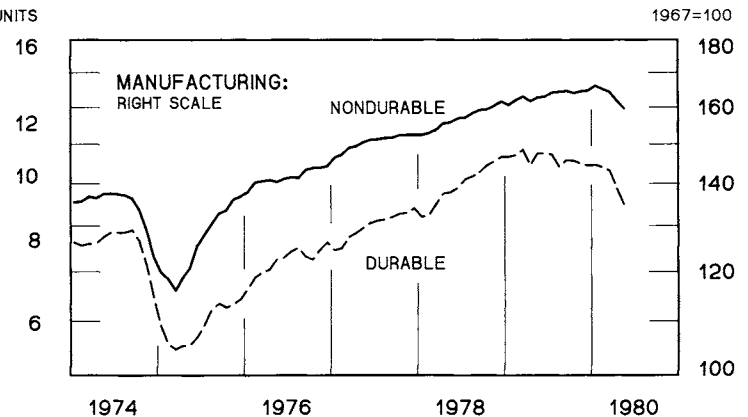
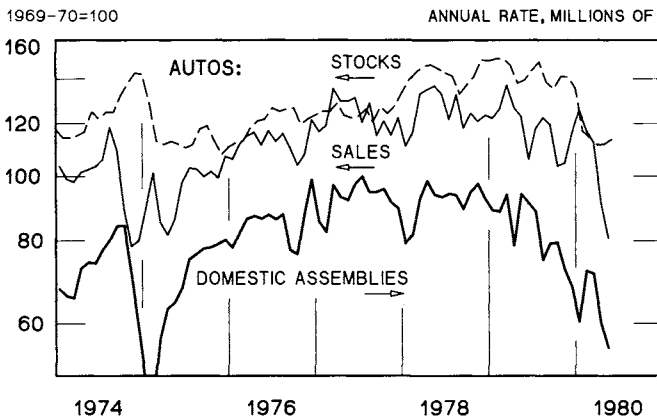
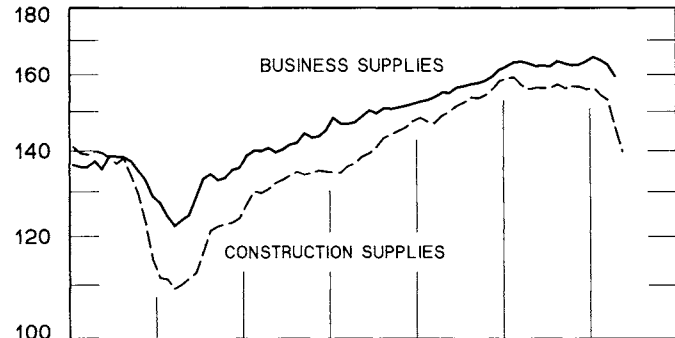
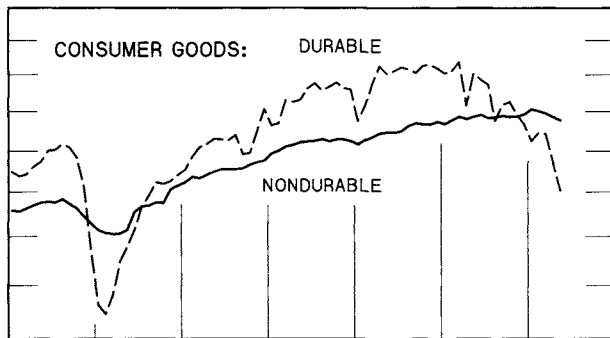
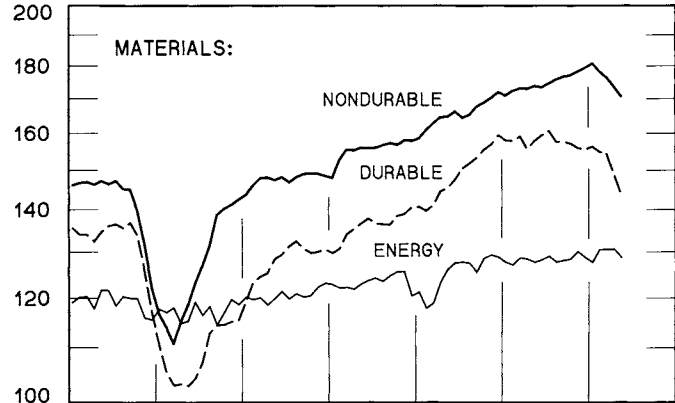
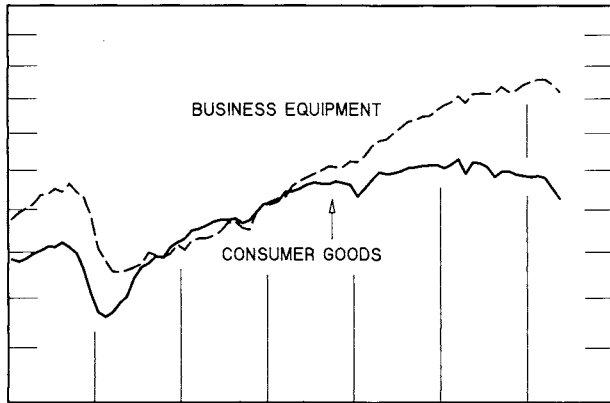
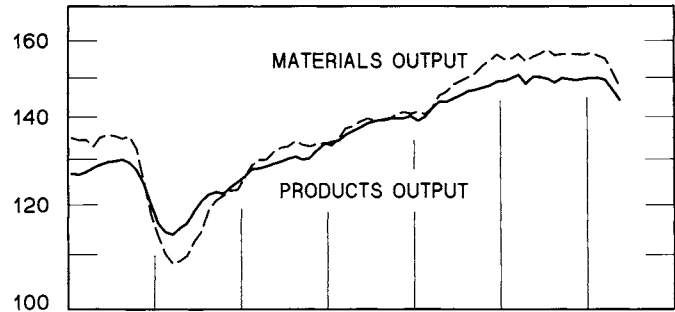
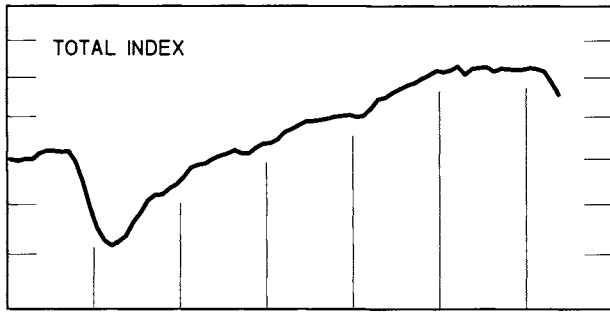


Industrial Production

INDUSTRIAL PRODUCTION

MAY DATA

SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



AUTOS: SALES AND STOCKS INCLUDE IMPORTS

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

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967		1979					1980							
		PRO- POR- TION	1979 AVG.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
MINING AND UTILITIES																
MINING		12.05	144.5	137.5	141.5	144.8	149.0	146.1	142.9	144.6	148.7	151.5	153.2	149.6	145.3	143.3
UTILITIES		5.69	166.1	152.5	159.5	170.6	173.7	166.9	156.9	159.5	169.6	176.4	177.8	168.6	158.0	153.2
MANUFACTURING																
NONDURABLE		187.95	153.2	154.6	158.6	149.2	152.8	158.2	157.5	153.3	147.2	147.3	152.3	152.9	149.0	145.5
DURABLE		35.97	163.3	162.5	167.9	159.6	168.8	171.9	170.1	165.1	156.4	158.0	162.9	163.9	161.7	159.5
		51.98	146.3	149.1	152.2	142.1	141.7	148.9	148.8	145.2	140.9	139.8	144.9	145.3	140.2	135.8
MINING																
METAL MINING	10	.51	126.8	130.8	131.8	129.6	132.8	131.2	127.0	128.5	127.7	126.0	126.1	128.6	123.6	
COAL	11,12	.69	133.6	141.4	143.9	114.0	144.1	146.9	151.9	141.3	132.0	131.6	137.3	146.5	152.7	148.9
OIL AND GAS EXTRACTION	13	4.40	121.7	117.7	118.7	119.7	121.2	121.7	124.8	127.3	128.1	128.1	130.9	131.1	131.7	132.3
STONE AND EARTH MINERALS	14	.75	137.6	141.6	142.2	134.8	140.8	141.0	144.7	147.0	141.1	135.9	130.0	131.0	135.6	
NONDURABLE MANUFACTURES																
FOODS	20	8.75	147.9	144.6	150.1	148.0	155.0	159.4	157.5	150.4	144.8	144.0	145.4	146.1	145.7	
TOBACCO PRODUCTS	21	.67	117.1	117.9	125.8	101.8	112.3	125.7	126.8	116.0	95.4	120.7	124.2	124.8		
TEXTILE MILL PRODUCTS	22	2.68	143.8	144.9	155.3	126.6	148.3	152.8	152.2	147.7	136.7	140.0	142.3	145.7	143.1	
APPAREL PRODUCTS	23	3.31	130.7	128.9	139.9	114.6	134.5	140.4	134.4	124.7	110.5	119.5	133.6	133.0		
PAPER AND PRODUCTS	26	3.21	150.8	151.3	153.3	143.5	154.1	152.2	160.0	152.7	139.5	152.2	155.9	159.4	152.5	147.7
PRINTING AND PUBLISHING	27	4.72	136.9	134.4	142.0	141.8	149.7	150.5	143.8	137.8	130.8	125.9	130.5	131.2	130.3	131.0
CHEMICALS AND PRODUCTS	28	7.74	210.4	212.1	216.0	212.3	215.6	218.2	215.2	214.6	207.5	206.2	210.2	213.4	214.0	
PETROLEUM PRODUCTS	29	1.79	143.6	142.4	147.5	147.9	148.7	146.2	141.9	145.2	144.4	141.9	139.4	134.7	132.8	131.3
RUBBER & PLASTICS PRODUCTS	30	2.24	170.0	171.1	269.4	254.0	268.5	276.0	281.0	273.9	256.9	258.9	278.9	274.9	264.2	
LEATHER AND PRODUCTS	31	.86	71.3	74.0	73.0	59.4	70.7	72.8	72.6	69.9	67.5	70.6	74.2	74.7	71.2	
DURABLE MANUFACTURES																
ORDNANCE, PVT & GOVT	19,91	3.64	75.5	75.9	76.4	74.9	74.8	75.1	73.6	75.4	76.3	76.8	76.8	76.8	76.8	76.4
LUMBER AND PRODUCTS	24	1.64	136.9	137.6	141.9	131.5	140.6	143.5	144.4	133.3	122.8	123.8	131.2	126.6	119.3	
FURNITURE AND FIXTURES	25	1.37	161.4	156.0	160.2	143.1	162.4	166.6	166.5	165.4	160.4	159.0	167.1	163.9	156.5	
CLAY, GLASS, STONE PROD	32	2.74	163.3	167.0	171.2	164.5	168.1	164.4	169.9	165.4	156.4	150.6	152.1	153.2	152.4	
PRIMARY METALS	33	6.57	121.2	129.5	131.9	118.5	115.7	118.6	115.7	110.8	108.1	111.3	114.4	123.1	115.8	106.7
IRON AND STEEL	331,2	4.21	113.2	122.9	126.3	113.9	107.2	111.8	105.1	101.1	99.7	100.8	104.4	115.4	105.7	
FABRICATED METAL PROD	34	5.93	148.5	150.1	151.3	144.6	146.4	148.6	149.9	148.3	144.7	140.7	147.5	145.9	139.8	133.9
NONELECTRICAL MACHINERY	35	9.15	163.6	161.9	168.5	164.5	165.9	172.3	166.0	163.0	158.1	160.7	167.0	165.8	161.6	158.3
ELECTRICAL MACHINERY	36	8.05	175.0	173.3	178.2	167.7	170.0	181.7	183.2	181.7	180.2	177.8	180.6	180.0	176.4	173.8
TRANSPORTATION EQUIP	37	9.27	135.3	147.4	146.1	125.6	113.2	132.5	137.8	129.3	122.5	120.0	128.3	128.7	119.5	115.0
MOTOR VEHICLES & PTS	371	4.50	160.0	186.2	181.9	143.1	116.7	151.6	158.7	142.1	126.6	125.3	140.3	139.1	122.2	113.8
AEROSPACE & MISC	372-9	4.77	112.0	110.8	112.5	109.1	109.9	114.5	118.1	118.1	118.6	115.0	117.0	118.9	116.8	116.0
INSTRUMENTS	38	2.11	174.9	174.0	179.4	173.3	175.0	177.2	177.5	176.0	175.0	170.2	172.4	172.3	171.6	170.9
MISCELLANEOUS MPRS	39	1.51	153.7	149.2	156.7	151.2	161.2	165.0	160.9	156.8	148.2	143.7	151.3	149.8	148.1	147.3
UTILITIES																
ELECTRIC		3.88	185.8	168.0	180.4	196.4	200.7	191.0	173.9	174.2	186.6	195.4	194.9			

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967												1979				1980			
		PRO- POR- TION	PRO- POR- TION	1967	1978	1979	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.		
PAPER AND PRODUCTS																					
PULP AND PAPER	26	3.21																			
WOOD PULP	261-3	1.38	141.6	137.9	138.4	139.1	146.5	143.7	148.4	146.2	146.6	148.0	144.6	139.6	141.1	137.5					
PAPER	262	.50	136.4	129.6	135.7	136.1	139.9	139.1	143.3	140.5	142.2	140.9	138.4	136.7	135.6						
PAPERBOARD	263	.54	143.6	141.9	138.1	140.0	150.1	146.8	151.9	148.0	151.6	148.0	146.6	140.8	144.2	139.5					
CONVERTED PAPER PROD.	264	.93	164.1	163.9	157.7	159.5	171.6	168.6	169.9	169.9	167.8	172.7	169.9	167.2	173.8	163.9					
SANITARY PAPER PROD.	2647	.18	140.7	140.1	144.1	142.0	148.7	146.0	144.4	144.8	137.5	133.6	137.9	138.2	141.6	134.5					
PAPERBOARD CONTAINERS	265	.84	153.9	152.6	149.2	152.5	153.2	153.9	154.9	155.5	150.9	152.2	164.4	151.9	157.0	146.3					
BUILDING PAPER AND BOARD	266	.06	116.4	114.3	116.6	114.4	118.9	114.9	120.1	121.1	111.1	115.7	110.7	104.9	87.5						
PRINTING AND PUBLISHING																					
NEWSPAPERS	271	1.38	111.1	110.2	110.7	112.3	111.3	113.7	112.0	110.5	111.3	110.0	110.8	112.8	111.7	106.1					
PERIODICALS, BOOKS, CARDS	272-3,7	.38	123.8	123.7	124.9	125.2	121.7	123.1	123.8	125.7	122.6	124.7	127.8	125.8	123.9	123.5					
JOB PRINTING	274-6,8,9	1.96	164.2	163.2	163.7	164.1	160.4	164.2	163.8	163.6	165.5	166.4	168.1	169.6	169.5	166.1					
CHEMICALS AND PRODUCTS																					
CHEMICALS & SYN. MAT.	281,2	3.79	232.8	230.7	233.8	229.2	234.4	234.8	231.7	233.1	238.9	238.6	243.2	238.1	232.5	230.2					
BASIC CHEMICALS	281	2.54	190.9	189.5	190.8	189.7	190.2	190.1	190.8	189.1	196.5	196.9	196.0	193.7	193.8	188.6					
ALKALIES & CHLORINE	2812	.41	131.4	130.6	130.4	132.6	136.4	134.0	132.0	133.6	135.3	142.1	138.0	132.9	122.2	122.2					
GASES, ETC.	2813,5,6	.48	193.7	194.6	198.3	193.0	189.7	189.5	196.1	183.9	200.0	196.7									
BASIC ORG. CHEM.	2818	1.18	233.3	227.9	228.6	231.5	233.1	235.5	234.7	236.3	240.7	243.7	242.4	239.0	240.0	231.9					
INORG. CHEM. NEC	2819	.75	133.8	137.4	138.1	132.9	133.4	129.9	129.7	128.9	136.6	134.1	136.8	137.0	138.4	136.1					
ACIDS & FERTILIZER MAT.	282	.55	140.5	137.1	138.2	139.2	142.3	138.4	139.4	137.7	147.7	151.4	152.8	150.6	152.4	145.9					
SULFURIC ACID, ETC.	2821	.41	135.2	131.8	133.3	132.6	137.9	133.5	133.9	133.5	141.6	144.3	143.5	139.8	146.6	138.7					
FERTILIZER MATERIALS	2822	.14	156.0	152.3	152.7	158.5	155.1	152.5	155.2	150.1	165.3	172.1	179.9	182.1	169.3	166.7					
URANIUM NUCLEAR MATLS	2823	.15	117.7	147.8	146.7	117.4	108.4	105.4	102.3	104.4	106.0	79.9	87.3	96.3	96.3	105.2					
SYNTHETIC MATERIALS	282	2.25	318.2	314.6	321.3	309.5	324.6	325.8	315.1	322.8	325.0	323.5	339.3	328.4	311.3	315.0					
PLASTICS MATERIALS	2821	.54	415.7	410.8	414.3	410.1	423.9	433.5	418.1	413.2	425.0	434.8	452.4	440.1	426.5						
SYNTHETIC RUBBER	2822	.13	130.5	126.7	134.6	132.7	133.8	127.7	131.6	128.9	127.9	126.0	120.2	119.2	121.9						
MAN-MADE FIBERS	2823,4	.58	270.7	268.2	277.6	255.5	276.0	271.1	261.5	283.3	277.3	265.3	284.5	272.6	247.6	258.1					
CHEMICAL PRODUCTS	283-7,9	3.95	189.0	184.9	188.5	188.2	189.3	191.6	192.3	191.7	191.5	194.2	194.7	194.5	195.8	192.5					
DRUGS AND MEDICINES	283	1.34	238.2	232.8	240.5	237.9	240.5	243.0	243.5	239.5	241.4	242.4	247.0	247.8	240.1	240.8					
SOAP AND TOILETRIES	284	1.29	171.6	169.2	171.3	172.1	169.7	172.4	169.3	170.7	174.6	173.0	174.3	174.8	177.7	175.0					
PAINTS	285	.43	126.2	116.1	119.4	122.1	127.5	130.6	140.4	141.6	127.1	149.3	131.7	129.4	141.0	136.5					
AGRICULTURAL CHEMICALS	287	.33	221.6	219.5	220.6	221.3	220.4	222.2	225.8	224.5	221.4	227.3	230.0	223.3	218.9	213.9					
PETROLEUM PRODUCTS																					
PETROLEUM REFINING	291,9	1.84	142.5	145.4	143.0	143.1	142.4	142.0	141.9	140.3	140.8	140.9	144.8	143.3	139.4	136.6					
AUTOMOTIVE GASOLINE	291	.84	138.5	141.5	138.0	138.3	137.7	134.4	133.9	133.9	134.5	134.8	146.6	144.3	136.0	130.6					
DISILLIATE FUEL OIL	292	.29	142.3	146.0	146.5	149.4	149.4	151.0	151.0	142.1	142.3	141.1	130.3	126.3	126.5	125.7					
RESIDUAL FUEL OIL	293	.05	221.0	229.1	219.6	222.3	215.4	223.3	222.3	219.7	221.2	221.8	212.0	219.0	219.9	237.3					
AVIATION FUEL & KEROS.	294	.17	105.3	108.1	106.7	103.0	100.5	104.6	98.0	108.8	105.9	109.9	107.7	98.2	101.9	105.9					
MISC. PETROLEUM PROD.	295	.28																			
REFINERY FUEL NEC	296	.06																			
REFINERY NONFUEL MAT.	297	.14																			
REFINERY PRODUCTS NEC	298	.08																			
RUBBER & PLASTICS PROD.																					
TIRES	301	1.60	159.1	164.3	176.4	156.2	196.9	164.4	159.1	147.6	133.6	118.9	127.1	127.4	132.8	120.2					
RUB. PROD. EX. TIRES	302,3,6	.66	153.6	151.8	154.9	154.9	157.0	154.1	151.0	150.9	149.6	144.2	146.1	145.9	145.1	142.6					
PLASTICS PRODUCTS NEC	307	.98	416.9	399.8	411.9	410.9	428.4	420.8	422.9	436.2	429.6	431.0	444.5	436.6	432.5	429.2					
LEATHER AND PRODUCTS																					
PERS. LEATHER GDS.	313,5-7,9	.22	96.1	94.9	95.8	96.1	95.1	96.4	97.5	96.4	94.8	96.2	97.5	93.4	91.7	90.6					
SHOES	314	.53	62.4	60.4	65.9	60.3	58.5	59.9	62.3	59.9	61.6	63.0	66.7	64.8	65.2	62.7					
CLAY, GLASS, & ST. PROD.																					
PRESSED AND BLOWN GLASS	322	.49	162.6	163.0	163.9	162.3	164.4	161.5	154.4	159.5	165.0	162.0	169.3	172.9	163.0	160.3					
GLASS CONTAINERS	3221	.28	143.8	147.9	149.2	145.2	143.3	140.1	131.1	139.7	147.6	140.4	149.9	154.2	145.5	143.9					
CEMENT	324	.27	120.7	116.0	120.8	124.1	122.1	121.6	124.0	125.2	126.7	139.5	128.1	108.6	100.4						
STRUCTURAL CLAY PRODUCTS	325	.20	126.7	126.7	126.3	121.9	124.6	122.6	121.8	126.8	124.6	127.6	120.7	118.4	114.4	109.8					
BRICK	3251	.08	126.1	128.1	129.2	118.4	122.2	118.0	114.7	126.0	120.9	133.9	123.1	117.7	101.1	98.4					
CONCRETE, MISC. CLAY MFR.	326-9	1.51	167.1	163.6	167.4	167.0	166.4	167.2	165.3	167.1	166.6	168.5	168.3	165.3	163.7	157.4					
PRIMARY METALS																					
IRON AND STEEL	331,2	4.21																			
BASIC STEEL & MILL PRD	331	3.34	114.7	117.7	112.5	119.0	118.1	112.9	111.7	108.6	111.5	114.3	110.4	106.8	116.0	98.6					
BASIC IRON AND STEEL	3311	1.34	105.5	105.9	108.3	108.9	109.5	106.2	102.9	101.9	99.8	100.3	101.4	100.1	98.7	93.4					
PIG IRON	3312	.46	99.3	99.9	102.8	102.7	102.4	99.5	96.3	94.4	93.4	93.9	95.2	91.1	92.9	86.4					
RAW STEEL	3313	.72	114.8	115.2	117.6	119.8	120.9	115.8	111.6	111.2	108.2	108.5	109.1	109.3	106.0	101.6					
COKE AND PRODUCTS	3314	.16	81.7	80.8	82.2	77.4	78.5	82.4	82.4	81.6	79.7	81.2	84.1	84.5	81.7	76.7					
STEEL MILL PRODUCTS	3315	2.01	120.8	125.5	115.3	125.8	123.8	117.4	126.5	113.0	119.2	123.6	116.5	111.2	127.5	102.1					
CONSUMER DUR. STEEL	3316	.31	109.8	115.7	116.8	123.7	111.1	96.1	96.1	89.3	91.3	96.4	84.6	76.8	94.3	72.4					
EQUIPMENT STEEL	3317	.51	129.9	135.6	116.8	137.3	135.2	130.4	138.4	123.5	133.4	145.5	134.4	127.4	143.1	121.3					
CONSTRUCTION STEEL	3318	.41	81.1	83.9	76.5	77.5	76.7	78.0	88.9	78.2	89.5	86.0	88.9	79.3	87.1	68.0			</		

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1979	1979										1980					
		PRO- TION	AVG.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.			
<u>PAPER AND PRODUCTS</u>	26	3.21																	
PULP AND PAPER	261-3	1.38	141.6	144.7	143.3	145.1	135.4	145.5	141.5	149.3	146.6	131.0	143.5	144.9	147.2	144.3			
WOOD PULP	2611	.50	136.4	135.8	140.2	143.3	131.3	141.0	135.6	143.3	142.8	124.0	138.0	140.0	141.0				
PAPER	262	.54	143.6	148.8	143.2	143.4	137.3	147.1	144.8	151.8	147.2	137.4	147.0	148.2	150.0	146.3			
PAPERBOARD	263	.34	146.2	151.3	147.9	150.3	138.5	149.7	145.1	154.2	151.1	131.3	146.0	147.0	152.0	147.3			
<u>CONVERTED PAPER PROD.</u>	264	.93	164.1	170.0	163.2	164.0	157.1	167.2	163.9	172.1	167.5	159.5	170.6	174.5	180.5	170.0			
SANITARY PAPER PROD.	2647	.18	140.7	147.2	143.7	143.4	139.2	146.4	138.3	150.4	138.1	126.5	139.8	141.2	144.0	141.4			
PAPERBOARD CONTAINERS	265	.84	153.9	157.6	153.4	157.4	144.0	156.2	159.2	166.5	149.3	135.8	150.0	156.7	161.0	151.1			
BUILDING PAPER AND BOARD	266	.06	116.4	121.6	122.8	119.4	111.0	122.0	117.0	125.6	110.6	100.0	97.9	108.2	92.4				
<u>PRINTING AND PUBLISHING</u>	27	4.72																	
NEWSPAPERS	271	1.38	111.1	114.9	115.5	113.0	100.6	106.3	111.8	117.6	121.9	112.5	101.6	109.2	112.1	110.6			
PERIOD., BOOKS, CARDS	272-3,7	1.38	123.8	118.0	120.0	126.3	130.6	137.7	137.4	129.5	120.0	117.1	116.7	118.4	117.5	117.8			
JOB PRINTING	274-6,8,9	1.96	164.2	150.3	157.8	173.3	178.7	188.5	186.9	171.6	161.5	153.4	149.4	154.0	154.2	153.0			
<u>CHEMICALS AND PRODUCTS</u>	28	7.74																	
CHEMICALS & SYN. MAT.	281,2	3.79	123.8	238.1	237.4	234.9	227.6	232.3	234.1	233.4	239.4	233.6	231.7	236.4	237.8	237.7			
BASIC CHEMICALS	281	2.54	190.9	194.1	192.0	191.1	187.2	190.0	192.9	191.5	198.1	197.6	188.5	188.4	194.9	193.1			
ALKALIES & CHLORINE	2812	.14	131.4	135.8	132.2	134.8	134.7	131.8	131.9	135.4	136.3	140.1	128.1	135.3	122.8	127.0			
GASES, ETC.	2813,5,6	.48	193.7	208.0	205.0	201.7	187.6	185.4	194.2	178.8	196.4	196.0							
BASIC ORG. CHEM.	2818	1.18	233.3	227.4	226.8	232.0	233.3	239.0	240.6	241.3	244.1	243.2	237.6	229.7	237.4	231.4			
INORG. CHEM. NEC	2819	.75	133.8	144.1	140.4	131.0	124.7	127.2	128.8	132.2	138.9	137.9	129.6	135.1	142.4	143.1			
ACIDS & FERTILIZER MAT.	282	.55	140.5	145.8	139.6	138.8	132.3	136.3	138.7	138.6	149.1	153.9	143.1	152.4	157.5	155.3			
SULFURIC ACID, ETC.	2821	.41	135.2	138.4	132.2	132.7	128.0	132.3	134.7	134.4	142.9	147.0	135.3	143.0	150.3	145.6			
FERTILIZER MATERIALS	2822	.14	156.0	167.4	161.2	156.6	144.9	147.8	150.1	150.7	167.0	174.0	165.5	179.7	178.4	183.2			
ERDA NUCLEAR MATLS	2823	.15	117.7	149.0	153.5	109.5	101.9	100.0	100.2	117.2	112.1	89.2	87.0	80.5	98.0	110.1			
SYNTHETIC MATERIALS	282	1.25	318.2	327.8	329.8	324.0	309.8	318.6	318.1	318.7	323.6	306.9	319.8	334.2	325.1	328.4			
PLASTICS MATERIALS	2821	.54	145.7	143.3	430.0	432.2	408.4	426.3	424.8	415.4	417.8	404.8	414.6	440.4	447.6				
SYNTHETIC RUBBER	2822	.13	130.5	135.7	135.3	131.9	122.9	122.8	131.4	129.6	129.0	125.8	118.5	126.1	125.3				
MAN-MADE FIBERS	2823,4	.58	127.0	127.9	281.3	267.4	261.1	263.3	261.8	272.2	280.6	257.4	277.8	283.3	257.1	263.6			
CHEMICAL PRODUCTS	283-7,9	3.95	189.0	181.6	187.8	197.8	197.7	199.5	203.0	197.8	190.8	182.5	181.6	185.0	190.1	189.3			
DRUGS AND MEDICINES	283	1.34	238.2	223.7	235.7	256.7	260.5	259.3	265.7	250.8	240.9	224.0	225.0	229.2	229.9	231.4			
SOAP AND TOILETRIES	284	1.29	171.6	163.6	167.4	173.5	175.0	178.1	180.0	178.6	176.0	166.9	165.4	169.0	174.5	169.2			
PAINTS	285	.43	126.2	126.6	134.3	144.8	133.0	137.8	137.0	135.7	115.2	115.5	110.7	126.9	148.1	149.7			
AGRICULTURAL CHEMICALS	287	.33	121.6	128.7	227.4	221.3	214.0	217.8	220.2	224.7	220.7	228.7	227.5	216.4	225.1	229.1			
<u>PETROLEUM PRODUCTS</u>	29	1.79																	
PETROLEUM REFINING	291,9	1.64	142.5	140.2	140.6	145.4	145.8	146.2	144.0	139.3	142.3	143.6	143.0	140.6	135.0	132.0			
AUTOMOTIVE GASOLINE		.84	138.5	136.7	136.9	142.7	143.1	139.6	135.5	130.4	135.3	138.6	144.5	139.0	131.0	126.2			
DISTILLATE FUEL OIL		.29	142.3	135.9	138.7	142.6	147.5	151.9	149.9	144.4	147.1	146.5	136.6	131.0	123.2	117.0			
RESIDUAL FUEL OIL		.05	121.0	122.0	209.9	209.0	202.9	211.2	212.7	203.2	220.1	242.2	241.1	242.6	226.5	229.9			
AVIATION FUEL & KEROS.		.17	105.3	106.0	102.3	101.0	99.2	106.0	102.0	109.0	106.0	111.0	106.0	101.0	102.5	103.9			
MISC. PETROLEUM PROD.		.28																	
REFINERY FUEL NEC		.06																	
REFINERY NONFUEL MAT.		.14																	
REFINERY PRODUCTS NEC		.08																	
<u>RUBBER & PLASTICS PROD.</u>	30	2.24																	
TIRES	301	.60	159.1	176.4	163.6	147.5	130.9	144.1	156.3	157.3	136.7	119.3	140.5	151.8	148.4	128.7			
RUB. PROD. EX. TIRES	302,3,6	.66	153.6	152.6	153.5	157.1	147.1	153.3	153.8	153.3	152.3	145.8	142.1	148.0	146.3	143.4			
PLASTICS PRODUCTS NEC	307	.98	146.9	405.4	416.7	420.4	402.0	422.9	432.1	443.4	440.5	416.6	410.7	445.6	442.0	435.2			
<u>LEATHER AND PRODUCTS</u>	31	.86																	
PERS. LEATHER GDS.	313,5-7,9	.22	96.1	92.2	96.1	100.1	89.5	98.4	99.0	100.3	99.2	96.1	90.8	91.8	92.0	88.0			
SHOES	314	.53	62.4	63.4	66.6	63.2	47.9	61.2	64.4	63.3	59.3	57.0	64.1	69.1	69.5	65.8			
<u>CLAY, GLASS, & ST. PROD.</u>	32	2.74																	
PRESSED AND BLOWN GLASS	322	.49	162.6	165.1	166.9	170.1	163.3	169.7	154.2	168.5	162.6	143.6	159.0	170.4	166.3	162.4			
GLASS CONTAINERS	3221	.28	143.8	150.1	151.6	155.4	143.6	150.9	127.6	150.2	141.4	112.0	143.3	158.1	150.2	146.1			
CEMENT	324	.27	120.7	119.7	137.1	157.5	144.9	154.7	147.2	152.3	121.9	95.5	67.7	73.8	85.0				
STRUCTURAL CLAY PRODUCTS	325	.20	126.7	127.0	129.7	128.4	124.3	128.4	125.2	130.3	128.1	124.3	111.1	109.6	110.2	110.0			
BRICK	3251	.08	126.1	130.1	137.1	131.9	126.4	133.2	122.7	132.6	124.7	121.8	96.7	98.8	96.8	100.0			
CONCRETE, MISC. CLAY MFR.	326-9	1.51	167.1	164.3	167.9	171.1	165.7	169.5	168.7	172.5	172.3	166.9	159.4	158.5	159.4	158.1			
<u>PRIMARY METALS</u>	33	6.57																	
IRON AND STEEL	331,2	4.21																	
BASIC STEEL & MILL PRD.	331	3.34	114.7	129.1	124.5	127.6	118.2	109.6	112.6	105.4	102.2	104.8	104.1	107.3	119.0	108.2			
BASIC IRON AND STEEL		1.34	105.5	113.6	116.0	116.2	108.1	104.3	100.8	98.7	94.0	91.7	96.7	100.7	103.8	100.2			
PIG IRON		.46	99.3	107.2	111.2	111.4	104.8	98.7	93.9	91.1	86.9	85.6	88.4	91.3	95.5	92.7			
RAW STEEL		.72	114.8	124.5	126.2	127.0	116.4	113.1	109.4	107.3	101.5	97.9	105.6	110.7	114.0	109.8			
COKE AND PRODUCTS		.16	81.7	82.7	83.8	81.5	80.0	80.5	81.4	81.4	80.6	81.1	80.2	82.0	81.1	78.5			
STEEL MILL PRODUCTS		2.01																	

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

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1979	1979	1980											
		PRO- TION	POR- AVG.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.
NONFERREROUS METALS	333-6,9	2.36	135.6	131.4	132.6	135.6	146.2	137.8	132.3	134.8	132.3	131.0	133.4	127.6	128.5	124.7
PRIMARY NONF. METALS	333	.45	139.5	135.0	139.9	142.0	148.0	144.1	141.2	138.6	141.8	135.9	137.1	137.8	140.6	138.6
CCPPER	3331	.09	145.9	130.8	140.3	149.2	170.4	161.2	151.1	142.4	155.7	144.8	157.5	147.3	145.1	150.1
ALUMINUM	3334	.27	153.6	150.7	153.4	154.0	156.0	157.1	156.9	155.2	154.1	153.4	152.8	156.3	159.3	158.0
SECONDARY NONF. METALS	334	.09	167.7	175.2	165.6	168.4	174.1	157.7	161.1	166.0	165.4	172.1	165.3	148.5	155.5	
NONFERREROUS PRODUCTS	335,6	1.45	140.6	134.3	135.9	140.2	152.0	144.1	136.4	139.9	135.4	134.6	139.0	130.0	130.5	124.9
NONFERREROUS MILL PROD	335	1.09	153.4	144.2	147.6	150.6	168.6	159.0	148.6	153.9	148.6	148.8	154.7	142.9	141.8	134.9
COPPER MILL PROD		.48	132.5	118.3	126.8	139.2	156.2	144.4	129.0	133.3	127.7	130.2	126.6	115.7	112.1	109.6
ALUMINUM MILL PROD		.61	169.9	164.6	164.0	159.5	178.4	170.5	164.0	166.1	165.1	163.3	176.8	164.2	165.1	154.8
CCNSTRUCTION		.13	190.4	190.6	183.1	171.0	195.3	181.1	177.6	185.5	191.3	185.7	206.7	191.1	184.5	168.6
CCNSTRUCTION		.48	164.3	157.5	158.8	156.3	173.8	167.7	160.3	160.9	158.0	157.3	168.7	156.9	159.8	151.1
NONFERREROUS FOUNDRIES	336	.35	100.6	103.3	99.4	107.9	100.1	97.3	98.2	96.2	94.2	90.5	89.9	89.7	95.5	93.6
FABRICATED METAL PRODUCTS	34	5.93														
METAL CANS	341	.38	139.0	143.2	141.0	137.9	136.0	135.7	133.8	135.6	138.0	135.0	139.8	139.0	136.0	131.5
HDWE, PLUMB, STRUCT, MET	342-4	2.67	156.3	157.1	158.0	157.6	157.8	154.6	154.3	155.3	154.4	154.8	155.4	155.0	155.1	152.0
HARDWARE, TOOLS, CUTL	342	.76	137.0	137.8	137.8	139.8	137.4	136.1	135.0	135.3	133.8	134.7	130.5	131.6	133.2	129.3
STRUCTURAL METAL PROD	344	1.62	167.1	168.4	168.8	167.9	169.2	164.7	165.0	166.5	166.4	165.6	168.6	167.9	166.8	164.9
OTHER FAB. MET. PROD.	345-9	2.89	142.6	142.1	144.8	143.6	143.2	143.3	140.5	141.9	140.0	139.1	137.3	139.5	138.3	134.3
FASTENERS, STAMP, ETC	345-8	2.03	131.1	130.5	133.4	132.0	131.5	131.4	128.6	129.3	127.4	126.5	123.7	126.0	125.6	121.2
NONELECTRICAL MACHINERY	35	9.15														
ENGINE AND FARM EQUIP.	351,2	1.20	174.3	175.6	179.9	181.7	185.8	173.6	177.8	163.6	164.1	164.5	166.9	161.8	162.0	155.5
FARM TRACTORS		.19	107.8	110.6	114.1	106.2	131.5	97.2	119.7	92.4	97.1	106.4	98.5	88.2	99.3	74.7
CONSTRUCTION & ALLIED EQ	353	1.36	155.2	160.1	159.3	161.8	159.1	157.3	159.1	143.4	144.8	138.7	155.9	161.5	162.1	156.4
TRACKLAYING TRACTORS		.16	99.4	117.0	114.4	118.1	116.4	103.1	120.8	50.6	57.1	59.6	92.9	96.0	107.3	104.3
METALWORKING MACHINERY	354	1.67	126.7	123.0	127.0	124.6	127.0	128.9	128.5	126.9	131.1	127.3	129.9	132.0	132.2	128.4
SPEC. & GENL IND EQ	355,6	2.30	129.3	127.0	127.7	128.3	128.2	128.3	126.7	131.1	131.7	131.5	132.1	133.1	132.1	127.8
OFFICE, SERV., & MISC.	357-9	2.63	216.6	211.5	215.3	214.3	213.4	220.5	218.2	221.7	218.6	223.4	229.5	227.3	232.1	224.6
ELECTRICAL MACHINERY	36	8.05														
MAJOR ELECT. EQ. & PTS.	361,2	1.74	149.4	145.5	150.6	148.9	143.3	145.4	151.1	152.7	155.4	152.8	154.3	154.4	151.7	145.9
HOUSEHOLD APPLIANCES	363	.83	150.2	136.6	148.2	148.4	147.3	144.3	167.0	155.9	150.5	170.2	155.4	149.8	149.5	138.8
COOKING STOVES	3631	.08	136.1	128.9	122.1	137.7	134.7	136.8	149.8	134.5	138.7	152.2	137.6	136.6	148.5	136.3
REFRIGERATION APPL.	3632	.26	129.9	110.6	123.5	126.8	136.7	107.0	160.5	142.1	127.4	169.7	131.6	124.7	130.5	118.6
LAUNDRY APPLIANCES	3633	.13	137.3	108.9	131.2	133.7	116.6	121.0	154.4	149.4	147.2	170.0	160.6	147.1	134.8	121.8
MISC. APPLIANCES	3634-6,9	.36	173.2	168.0	178.7	172.2	169.7	182.3	180.5	173.4	171.4	175.0	175.1	172.3	169.1	160.5
TV AND RADIO SETS	365	.52	96.5	91.4	94.8	105.5	111.3	83.7	82.2	88.8	92.7	101.0	83.2	88.9	89.4	87.3
COMMUNICATION EQUIPMENT	366	2.30	148.4	148.0	147.2	147.1	149.9	146.5	152.2	150.6	152.1	153.4	156.9	156.5	156.7	158.5
ELECTRICAL COMPONENTS	367	1.43	295.9	288.4	290.7	295.7	296.4	293.7	295.2	300.5	311.4	317.8	324.6	325.3	322.7	323.6
TV TUBES	3671-3	.31	39.1	33.6	38.7	36.2	39.8	39.8	27.7	45.0	49.6	43.6	47.6	43.2	35.2	
MISC. ELECTRICAL SUPP.	369	.49	185.0	187.9	187.8	191.0	182.6	176.6	179.7	180.9	174.1	174.8	168.3	165.6	176.0	166.4
STORAGE BATTERY, REPL.	3691	.09	217.2	224.4	214.1	240.7	217.9	221.4	213.9	210.4	211.9	195.9	158.7	161.0	200.3	197.5
TRANSPORTATION EQUIPMENT	37	9.27														
MOTOR VEHICLES AND PARTS	371	4.50														
AUTOS, TOTAL		1.90	136.7	128.6	153.1	148.0	141.8	118.5	128.0	129.0	118.3	110.2	98.0	116.8	114.9	97.1
LARGE AUTOS		1.79	83.5	84.2	96.0	89.3	76.6	55.6	71.5	73.5	70.8	59.0	51.2	60.5	58.6	45.9
SMALL AUTOS		.11	11.9	85.9	1091.7	1111.8	1214.5	1152.4	1057.5	1041.5	899.8	952.6	866.3	1042.4	1041.1	938.2
TRUCKS AND BUSES		.53	212.5	210.4	269.0	239.1	198.5	133.7	177.1	178.0	156.6	161.2	132.4	143.7	123.7	102.4
BUSINESS VEHICLES		.40	146.9	141.2	188.2	169.7	146.8	104.6	133.3	125.5	104.1	120.6	88.7	112.7	90.0	
UTILITY VEHICLES		.13	408.8	417.3	510.7	447.6	353.4	220.6	308.0	335.2	313.8	282.6	263.2	236.5	224.7	
TRUCK TRAILERS		.09	250.8	240.1	279.8	260.3	247.7	266.4	271.2	239.4	233.6	223.6	197.8	167.4	182.9	155.2
MOTOR VEHICLE PARTS		1.98	164.3	164.0	169.2	167.7	163.6	153.3	159.8	160.2	152.0	148.8	151.5	149.7	148.1	134.5
AIRCRAFT AND PARTS	372	3.73	99.6	97.4	97.6	98.7	100.7	99.4	100.1	103.4	103.9	105.6	104.8	105.7	106.4	104.9
SHIPS AND BOATS	373	.56	148.4	139.0	145.9	144.6	146.2	157.9	151.3	154.2	152.9	148.6	151.4	152.8	150.3	142.6
RAIL & MISC TRANS EQ	374,5,9	.49	164.6	153.4	160.7	168.8	169.2	163.9	184.5	188.3	171.7	164.2	168.9	162.3	161.3	159.2
RAILROAD EQUIPMENT	374	.26	164.0	150.1	156.8	171.0	172.9	157.1	191.8	203.5	175.7	166.6	174.8	167.5	171.8	184.2
MOBILE HOMES	379	.18	123.3	119.3	127.8	124.9	121.6	130.7	127.0	123.0	116.8	112.4	123.2	118.7	105.9	
INSTRUMENTS	38	2.11														
EQUIPMENT INSTR. & PTS.	381-4	1.07	185.3	184.7	185.5	185.9	183.2	183.0	185.0	186.2	186.8	190.0	190.6	190.8	188.6	188.0
CONSUMER INSTR. PROD.	385-7	1.04	164.1	167.5	163.7	164.8	163.8	163.9	160.2	163.5	159.1	158.6	161.8	159.9	160.8	160.8
MISC. MANUFACTURES	39	1.51														
MISC. CONS. GOODS	391,3,4,6	.86	156.7	153.1	151.3	154.6	159.8	160.8	158.0	159.3	161.0	156.3	156.4	156.6	157.3	153.5
MISC. BUS. SUPPLIES	395,9	.65	149.9	148.9	150.1	150.5	149.9	149.1	148.1	148.2	148.1	148.6	151.2	148.2	147.5	146.1
ELECTRIC UTILITIES	49	3.88														
ELEC UTIL GENERATION		1.90	181.9	182.5	179.9	178.2	181.9	179.5	181.8	179.9	180.8	181.8	178.0	182.6	189.8	
FOSSIL FUEL GENERATION		1.54	169.9	170.5	170.0	169.6	171.6	167.4	168.3	167.5	168.6	172.7	170.5	176.8	182.9	
HYDRO & NUCLEAR GENERAT.		.36	233.3	239.2	222.4	215.5	225.9	231.3	240.1	233.0	233.4	221.0	210.1	207.4	219.4	
ELEC UTIL SALES		1.98	189.6	194.4	192.6	186.3	182.5	187.6	186.3	188.6	190.3	190.1	187.9	187.2		
RESIDENTIAL KWH		.83	199.5	207.2	204.6	194.6	187.8	196.1	193.8	196.5	200.1	192.6	195.1	196.4		

Table 4B--continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967												1980			
		PRO- TION	1979 AVG.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	
NONFEROUS METALS	333-6,9	2.36	135.6	141.1	141.3	141.9	126.8	131.0	130.7	134.6	128.1	123.0	130.2	132.2	137.8	133.8	
PRIMARY NONF. METALS	3331	.45	139.5	138.0	141.5	139.3	136.1	138.2	138.4	141.0	145.2	138.7	140.1	140.3	141.4	141.6	
CCPPER	3331	.09	145.9	143.7	151.8	146.7	130.0	144.7	146.4	145.8	162.2	145.9	157.9	154.0	156.2	164.9	
ALUMINUM	3334	.27	153.6	149.5	152.5	152.8	154.3	154.9	156.0	156.6	157.5	156.6	155.2	156.5	156.4	156.7	
SECONDARY NONF. METALS	3341	.09	167.7	185.1	169.9	177.7	144.3	154.9	159.7	170.6	168.1	157.4	158.4	159.9	166.0		
NONFEROUS PRODUCTS	335,6	1.45	140.6	148.6	148.7	149.8	131.2	136.0	133.9	137.8	126.4	121.4	133.6	135.2	143.9	138.2	
NONFERROUS MILL PROD	3351	1.09	153.4	161.4	163.2	161.3	147.6	150.3	145.6	149.8	137.2	134.4	147.0	146.8	157.0	150.9	
COPPER MILL PROD		.48	132.5	140.3	144.8	144.8	122.6	126.8	123.7	134.7	118.9	117.9	122.7	118.2	135.0	130.0	
ALUMINUM MILL PROD		.61	169.9	178.0	177.6	174.2	167.2	168.8	162.8	161.7	151.6	147.4	166.0	169.2	174.3	167.4	
CCNSTRUCTION		.13	190.4	206.7	198.6	190.5	185.3	189.2	177.3	184.6	177.3	156.5	185.5	191.0	195.6	182.8	
NCNSTRUCTION		.48	164.3	170.2	171.9	169.8	162.3	163.2	158.8	155.5	144.6	144.9	160.7	163.3	168.5	163.2	
NONFERROUS FOUNDRIES	3361	.35	100.6	108.5	103.5	114.1	79.9	91.2	97.5	100.2	92.5	81.0	91.8	98.9	102.9	98.3	
FABRICATED METAL PRODUCTS	34	5.93															
METAL CANS	341	.38	139.0	139.8	140.3	143.0	145.4	145.9	140.8	136.8	132.8	124.9	131.3	136.6	133.0	128.3	
HDWE, PLUMB, STRUCT. MET	342-4	2.67	156.3	156.1	156.4	157.6	151.6	152.4	156.3	158.3	157.7	155.3	152.0	157.9	157.5	151.1	
HARDWARE, TOOLS, CUTL	3421	.76	137.0	138.0	137.4	140.1	132.6	132.1	138.2	139.4	136.3	132.4	126.9	133.9	135.6	129.5	
STRUCTURAL METAL PROD	344	1.62	167.1	166.7	166.9	167.9	162.1	164.0	165.6	168.7	170.2	168.0	165.6	170.8	169.1	162.4	
OTHER FAB. MET. PROD.	345-9	2.89	142.6	142.8	145.5	146.4	138.1	141.0	142.5	143.9	141.7	137.4	131.6	141.7	141.0	134.9	
FASTENERS, STAMP, ETC	345-8	2.03	131.1	131.4	134.2	134.9	126.2	128.9	130.7	131.9	129.4	124.8	117.7	128.0	128.1	122.0	
NONELECTRICAL MACHINERY	35	9.15															
ENGINE AND FARM EQUIP.	351,2	1.20	174.3	177.4	177.8	185.0	171.3	164.1	183.0	166.2	162.0	164.9	167.5	167.3	167.5	156.4	
FARM TRACTORS		.19	107.8	126.5	120.9	121.1	86.0	77.4	124.5	100.7	83.5	90.2	105.9	101.7	113.1	85.5	
CONSTRUCTION & ALLIED EQ	353	1.36	155.2	156.6	156.6	163.5	154.1	153.6	165.9	147.3	149.0	141.1	149.3	163.0	160.5	154.8	
TRACKLAYING TRACTORS		.16	99.4	126.3	118.4	127.2	97.9	86.5	124.4	52.3	53.3	55.9	91.6	108.9	115.3	112.5	
METALWORKING MACHINERY	354	1.67	126.7	123.0	124.3	126.3	125.2	128.8	133.1	129.9	131.0	124.2	126.1	133.6	132.5	128.4	
SPEC. & GENL IND EQ	355,6	2.30	129.3	126.2	127.0	131.1	125.6	127.8	131.4	132.4	133.3	129.5	128.0	133.6	131.4	127.0	
OFFICE, SERV. & MISC.	357-9	2.63	216.6	206.8	211.9	223.1	225.8	230.1	231.3	227.9	217.1	210.4	214.0	222.5	222.5	219.1	
ELECTRICAL MACHINERY	36	8.05															
MAJOR ELECT. EQ. & P.TS.	361,2	1.74	149.4	145.9	150.9	153.7	145.1	146.0	156.3	158.6	153.3	146.8	147.7	150.6	150.2	146.3	
HOUSEHOLD APPLIANCES	363	.83	150.2	145.5	153.8	157.2	136.6	136.7	170.0	168.7	143.2	137.1	152.2	157.2	157.8	148.2	
COOKING STOVES	3631	.08	136.1	139.0	133.7	152.0	109.7	133.5	150.3	148.3	129.7	122.5	136.2	144.3	153.3	147.6	
REFRIGERATION APPL.	3632	.26	129.9	127.7	142.3	152.0	145.5	75.4	153.4	143.4	108.2	117.0	136.4	132.4	146.1	137.2	
LAUNDRY APPLIANCES	3633	.13	137.3	119.7	142.5	136.9	93.9	141.1	157.4	168.0	128.9	125.5	150.2	151.9	145.6	133.7	
MISC. APPLIANCES	3634-6,9	.36	173.2	169.8	171.2	169.9	152.5	180.8	191.4	192.3	177.4	159.6	168.4	180.3	172.0	161.9	
TV AND RADIO SETS	365	.52	96.5	87.6	99.1	104.2	86.7	89.7	93.9	102.4	98.5	87.6	77.8	87.5	88.3	83.6	
COMMUNICATION EQUIPMENT	366	2.30	148.4	144.5	145.3	147.4	145.5	145.4	152.9	151.8	155.8	159.1	156.3	156.5	156.7	154.7	
ELECTRONIC COMPONENTS	367	1.43	295.9	282.3	289.0	300.8	286.3	297.0	300.8	307.8	319.0	323.4	319.2	319.2	316.2	316.6	
TV TUBES	3671-3	.31	39.1	35.4	42.7	35.9	30.2	43.1	32.3	52.2	48.2	32.1	46.1	42.7	35.8		
MISC. ELECTRICAL SUPP.	369	.49	185.0	176.5	176.7	183.3	171.5	176.9	192.1	192.7	185.5	188.6	167.3	163.1	166.5	156.3	
STORAGE BATTERY, REPL.	3691	.09	217.2	166.5	153.5	192.0	174.6	230.9	271.7	271.8	250.2	235.2	178.6	163.5	162.6	146.5	
TRANSPORTATION EQUIPMENT	37	9.27															
MOTOR VEHICLES AND PARTS	371	4.50															
AUTOS, TOTAL		1.90	136.7	146.5	171.6	166.1	110.2	78.8	131.2	145.0	122.4	92.2	97.5	125.1	128.4	110.0	
LARGE AUTOS		1.79	83.5	96.8	107.0	100.5	56.3	28.9	73.6	83.0	72.9	50.9	53.4	68.7	65.9	52.8	
SMALL AUTOS		.11	11.9	96.2.9	1233.6	1245.2	995.9	898.9	1078.7	1164.4	935.8	771.6	823.0	1052.8	1155.6	1050.8	
TRUCKS AND BUSES		.53	212.5	227.8	274.1	260.2	176.9	112.8	175.2	187.5	155.2	133.2	131.6	164.4	138.4	110.8	
BUSINESS VEHICLES		.40	146.9	151.1	188.2	180.2	123.3	87.9	136.0	131.8	101.8	98.9	91.4	135.4	103.5		
UTILITY VEHICLES		.13	408.8	457.4	531.1	499.1	337.1	187.5	292.6	354.0	315.1	235.7	251.9	251.2	242.7		
TRUCK TRAILERS		.09	250.8	264.7	290.0	278.7	228.4	265.5	261.9	235.1	225.8	197.4	172.6	183.2	202.0	171.1	
MOTOR VEHICLE PARTS		1.98	164.3	164.4	172.2	171.8	161.9	147.4	160.0	160.9	153.9	154.7	148.1	146.5	146.9	134.8	
AIRCRAFT AND PARTS	372	3.73	99.6	96.6	97.8	98.7	98.6	96.8	99.8	102.7	105.5	108.1	105.6	106.5	106.8	104.0	
SHIPS AND BOATS	373	.56	148.4	142.8	148.4	146.9	143.4	150.3	147.7	155.7	155.1	154.1	147.2	152.3	150.6	146.3	
RAIL & MISC TRANS EQ	374,5,9	.49	164.6	166.7	166.4	178.2	150.4	164.3	188.9	192.0	172.0	158.2	150.2	156.7	174.3	171.9	
RAILROAD EQUIPMENT	374	.26	164.0	160.3	156.0	169.1	147.8	144.4	188.0	198.0	184.0	181.4	171.7	162.3	195.0	196.7	
MOBILE HOMES	379	.18	123.3	136.6	139.9	145.3	118.7	147.1	138.3	138.4	105.3	81.3	92.5	105.5	107.6		
INSTRUMENTS	38	2.11															
EQUIPMENT INSTR. & P.TS.	381-4	1.07	185.3	181.7	184.4	191.0	183.6	184.9	191.5	189.1	189.4	188.7	182.2	187.1	185.8	185.0	
CONSUMER INSTR. PROD.	385-7	1.04	164.1	164.4	163.3	167.4	162.7	164.8	162.4	165.6	162.2	160.9	157.8	157.3	158.4	157.8	
MISC. MANUFACTURES	39	1.51															
MISC. CONS. GOODS	391,3,4,6	.86	156.7	150.8	150.4	159.7	153.5	167.6	174.0	167.1	162.8	150.4	142.7	154.6	152.9	151.2	
MISC. BUS. SUPPLIES	395,9	.65	149.9	146.7	147.6	152.8	148.1	152.8	153.2	152.7	148.9	145.2	145.1	146.9	148.0	144.0	
ELECTRIC UTILITIES		3.88															
ELEC UTIL GENERATION		1.90	181.9	171.8	167.2	181.8	196.7	192.1	182.9	168.4	172.7	184.0	187.5	191.1	181.9		
FOSSIL FUEL GENERATION		1.54	169.9	156.2	154.3	174.0	189.4	183.3	173.7	159.3	162.2	173.7	178.3	184.0	170.2		
HYDRO & NUCLEAR GENERAT.		.36	233.3	238.7	222.4	215.1	228.2	230.1	222.2	207.4	218.0	228.3	227.3	221.6	232.5		
ELEC UTIL SALES		1.98	189.6	173.6	168.7	179.1	196.1	208.9	198.9	179.3	175.5	189.1	203.0	198.5			
RESIDENTIAL KWH		.83	199.5	175.1	160.0	173.2	204.7	226.3	208.9	174.3	174.5	206.0	232.2	227.4			
NONRESIDENTIAL KWH		1.15	182.5	172.5	175.0	18											

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

SUMMARY GROUPINGS	1978		1979				1980					
	IV	I	II	III	IV	I	IV	I	II	III	IV	I
TOTAL INDEX	150.7	152.2	151.9	152.3	152.2	152.2	626.1	630.1	627.3	619.5	619.5	617.9
PRODUCTS, TOTAL	148.2	150.0	149.6	149.4	149.6	149.8	483.4	484.9	483.2	475.7	475.7	474.7
FINAL PRODUCTS	145.5	147.0	146.9	146.6	146.8	147.2	332.9	331.0	328.4	322.9	322.7	320.6
CONSUMER GOODS	151.3	151.7	151.0	149.6	149.0	148.2						
DURABLE CONSUMER GOODS	162.4	161.7	156.9	152.2	149.5	143.7	100.0	98.8	95.3	90.7	88.4	84.1
AUTOMOTIVE PRODUCTS	188.2	182.5	173.9	158.4	150.5	138.1	53.4	51.5	49.0	44.1	41.5	38.0
HOME GOODS	148.0	150.0	147.4	148.7	148.8	146.7	46.6	47.4	46.3	46.6	46.9	46.1
NONDURABLE CONSUMER GOODS	146.9	147.7	148.6	148.5	148.8	150.0	232.9	232.2	233.1	232.2	234.3	236.5
CLOTHING	132.4	130.6	129.0	128.0	128.6	126.7	33.9	33.2	32.9	33.0	33.1	32.3
CONSUMER STAPLES	150.9	152.4	154.0	154.2	154.4	156.5	198.7	199.0	200.2	199.3	201.2	204.2
CONSUMER ENERGY (HOME GOODS AND CLOTHING)	156.6	155.3	154.2	150.7	154.6	153.1	46.1	45.2	44.8	43.8	43.9	44.4
(HOME GOODS AND CLOTHING)	140.8	141.1	138.9	139.1	139.5	137.6	80.9	80.5	79.2	79.6	80.0	78.4
EQUIPMENT	137.4	140.7	141.4	142.6	143.8	145.8	150.5	153.9	154.9	152.8	153.1	154.1
BUSINESS EQUIPMENT	165.5	169.3	170.5	172.2	172.9	175.5	112.6	115.1	116.0	113.8	113.1	113.8
INDUSTRIAL EQUIPMENT	148.0	152.2	151.4	152.2	152.5	158.4	47.6	49.0	48.6	48.8	48.5	50.7
COMM'L, TRANSIT, FARM EQ.	185.7	189.0	192.6	195.3	196.3	195.2	65.0	66.1	67.3	64.9	64.6	63.1
DEFENSE AND SPACE EQUIPMENT	90.3	92.6	92.6	92.9	95.0	95.9	37.9	38.8	38.9	39.0	40.0	40.3
INTERMEDIATE PRODUCTS	158.0	160.9	159.6	159.9	159.8	159.3	142.6	145.2	144.1	143.7	143.7	143.2
CONSTRUCTION SUPPLIES	156.3	158.5	156.2	156.7	156.5	154.6	67.2	68.2	67.4	67.2	66.8	66.2
BUSINESS SUPPLIES	159.8	163.3	162.8	163.1	163.1	164.0	75.3	77.0	76.7	76.5	76.9	77.0
COMMERCIAL ENERGY PRODUCTS	171.4	173.6	172.2	169.4	174.1	170.7	18.9	19.1	18.9	18.6	19.2	18.8
MATERIALS	154.6	155.5	155.6	156.6	156.3	155.9						
DURABLE GOODS MATERIALS	157.3	158.4	157.7	158.7	156.3	155.2						
BASIC METAL MATERIALS	130.5	125.1	124.1	127.7	119.7	117.2						
NONDURABLE GOODS MATERIALS	170.3	172.2	173.4	175.7	178.3	178.5						
TEXTILE, PAPER AND CHEMICAL MAT	177.1	179.1	181.3	184.3	186.9	186.1						
TEXTILE MATERIALS	119.5	118.2	119.6	122.4	123.7	121.6						
PAPER MATERIALS	138.1	136.9	140.7	147.0	148.4	142.5						
CHEMICAL MATERIALS	218.0	222.7	224.8	226.6	230.2	232.0						
ENERGY MATERIALS	128.9	127.9	128.1	128.3	129.1	129.6						
MANUFACTURING	151.7	153.4	153.1	153.3	153.0	152.6						
DURABLE	145.6	147.5	146.6	145.8	145.1	144.0						
NONDURABLE	160.5	161.9	162.5	164.3	164.4	165.2						
MINING AND UTILITIES	144.8	143.5	143.4	144.4	147.3	148.6						
MINING	127.8	122.3	123.1	125.6	129.9	132.7						
UTILITIES	163.9	167.0	166.0	165.2	166.8	166.4						

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

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

MAJOR MARKET GROUPINGS	1972	1979		1979					1980						
	DOLS.	AVG.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
PRODUCTS, TOTAL	1507.4	624.1	632.3	628.7	622.7	613.0	622.6	621.6	617.8	619.0	617.1	620.8	615.8	602.2	590.6
FINAL PRODUCTS	1390.9	479.9	488.2	485.1	479.6	468.8	477.6	474.4	475.2	472.7	477.5	473.9	464.8	456.3	
CONSUMER GOODS	1277.5	326.3	331.5	329.8	326.0	319.2	323.6	324.6	321.9	321.6	319.6	321.8	320.3	313.6	307.5
DURABLE CONSUMER GOODS	82.0	93.3	98.2	96.9	94.9	86.7	90.4	91.0	88.2	86.1	82.4	85.0	84.7	79.0	74.7
AUTOMOTIVE PRODUCTS	41.1	46.5	51.8	49.7	47.9	40.6	43.8	44.4	41.4	38.8	35.6	39.4	39.0	34.3	32.0
HOME GOODS	40.9	46.8	46.3	47.1	47.0	46.1	46.6	46.6	46.8	47.3	46.9	45.6	45.8	44.8	42.8
NONDURABLE CONSUMER GDS	195.5	232.9	233.3	232.9	231.1	232.5	233.2	233.6	233.7	235.5	237.2	236.8	235.6	234.6	232.3
CLOTHING	28.5	33.0	32.3	33.4	32.8	33.0	33.2	32.4	33.2	33.7	32.9	32.2	31.8		
CONSUMER STAPLES	167.0	199.9	201.0	199.5	198.3	199.5	200.0	201.3	200.5	201.8	204.3	204.6	203.8	203.0	202.2
CONSUMER ENERGY PROD (HOME GOODS & CLOTHING)	39.2	44.4	44.8	44.1	43.7	44.0	43.7	43.7	44.1	44.0	44.7	44.6	43.9	43.3	
(HOME GOODS & CLOTHING)	69.4	79.8	78.7	80.6	79.8	79.1	79.8	79.0	80.0	81.0	79.8	77.8	77.6	76.4	73.4
EQUIPMENT	113.4	153.7	156.7	155.4	153.6	149.6	155.2	153.0	152.5	153.6	153.1	155.7	153.6	151.1	146.3
BUSINESS EQUIPMENT	80.6	114.5	117.8	116.6	114.6	110.9	115.7	113.6	112.3	113.3	112.8	115.4	113.3	110.8	109.4
INDUSTRIAL EQUIPMENT	34.4	48.7	48.7	48.8	48.6	48.5	49.3	48.2	48.9	48.4	50.3	50.8	50.9	50.7	50.2
COMM'L, TRANSIT, FARM EQ.	46.2	65.8	69.1	67.8	66.0	62.4	66.4	65.4	63.4	64.9	62.5	64.5	62.4	60.2	59.2
DEFENSE & SPACE EQUIP.	32.7	39.2	38.8	38.8	39.0	38.7	39.4	39.5	40.2	40.3	40.2	40.3	40.3	40.3	39.9
INTERMEDIATE PRODUCTS	116.6	144.2	144.2	143.6	143.2	144.2	143.8	144.0	143.4	143.8	144.5	143.3	141.9	137.4	133.7
CONSTRUCTION SUPPLIES	57.8	67.4	67.4	67.4	67.2	67.2	67.3	67.3	66.6	66.5	67.1	66.2	65.4	62.1	59.4
BUSINESS SUPPLIES	58.8	76.8	76.7	76.2	76.0	77.9	76.6	76.7	76.8	77.2	77.3	77.1	76.5	75.4	
COMMERCIAL ENERGY PROD	15.6	18.9	19.0	18.5	18.4	18.7	18.7	19.0	19.1	19.4	19.0	18.6	18.7	18.8	

Table 8

INDUSTRIAL PRODUCTION: DIFFUSION INDEXES

Percent of component series higher than in earlier months

	ONE MONTH EARLIER	THREE MONTHS EARLIER	SIX MONTHS EARLIER
1967-79			
AVERAGE	55.3	58.8	61.6
HIGH	71.7	78.7	82.8
LOW	22.6	15.7	14.7
1978			
APRIL	71.7	74.9	71.5
MAY	48.7	73.8	67.0
JUNE	65.3	70.6	72.8
JULY	62.8	57.4	74.9
AUGUST	66.0	66.8	76.4
SEPTEMBER	59.8	71.3	76.0
OCTOBER	54.5	70.9	64.9
NOVEMBER	57.9	66.8	72.6
DECEMBER	70.2	73.8	76.6
1979			
JANUARY	52.8	60.9	68.5
FEBRUARY	58.3	58.1	67.4
MARCH	65.3	61.5	67.0
APRIL	34.3	51.3	55.3
MAY	60.6	52.1	59.4
JUNE	53.6	46.8	52.1
JULY	52.6	61.7	55.5
AUGUST	44.3	53.0	52.6
SEPTEMBER	52.1	50.6	50.4
OCTOBER	52.1	49.6	59.8
NOVEMBER	55.3	54.3	54.9
DECEMBER	55.3	53.4	54.3
1980			
JANUARY	53.4	53.8	54.9
FEBRUARY	45.1	48.9	50.0
MARCH	49.8	50.0	49.8
APRIL	24.3	27.2	34.7

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

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

SERIES	SIC (1967)	BIL. KWH. 1967	1979 AVG.	1979				1980 Q 1	1979				APR (P)	PERCENT CHG. FROM PREV. YR.		
				Q 1	Q 2	Q 3	Q 4		NOV	DEC	JAN	FEB		(P)	(P)	
TOTAL		560.4	142.9	142.7	143.8	143.5	141.7	141.0	142.1	141.2	140.7	141.7	140.5	139.7	-6	-3.1
<u>MAJOR MARKET GROUPINGS</u>																
PRODUCTS, TOTAL		136.1	153.5	155.4	154.1	152.7	151.7	153.0	150.8	153.0	152.8	153.1	153.1	147.5	-3.7	-4.3
FINAL PRODUCTS		101.4	151.3	153.4	152.1	150.4	149.2	150.5	147.9	150.4	150.0	150.7	150.7	144.7	-4.0	-4.9
CONSUMER GOODS		67.4	159.0	161.6	160.4	157.7	156.3	156.9	155.0	157.7	156.9	156.7	156.9	150.0	-4.4	-6.6
EQUIPMENT		34.0	131.6	132.5	131.2	131.4	131.2	134.2	130.1	131.6	132.5	135.2	135.1	131.7	-2.5	-4
INTERMEDIATE PRODUCTS		34.7	160.2	161.4	160.0	160.1	159.4	160.6	159.4	160.7	161.1	160.8	159.9	155.4	-2.8	-2.7
MATERIALS		424.3	139.4	138.7	140.4	140.4	138.4	137.1	139.4	137.3	136.8	137.9	136.6	137.0	.3	-2.6
DURABLE		237.7	139.1	138.2	138.1	140.7	139.7	139.3	140.3	139.1	138.9	141.0	137.9	136.7	-1.9	-9
NONDURABLE		133.0	141.7	140.6	140.8	142.4	143.0	143.2	142.6	143.7	144.2	143.4	142.0	140.2	-1.3	-3
ENERGY, EX. ERDA		23.8	168.4	165.5	171.6	166.5	170.3	170.5	174.1	170.9	168.5	169.8	173.1	178.1	2.9	3.1
<u>MAJOR INDUSTRY DIVISIONS</u>																
MINING	10-14	34.7	173.1	171.6	171.6	171.9	177.4	180.4	178.8	179.9	179.5	182.0	179.6	178.2	-8	3.7
MANUFACTURING		519.2	141.2	141.5	142.0	141.8	139.6	139.1	140.2	139.2	138.8	139.9	138.8	137.3	-1.0	-3.5
DURABLE	19, 24-25, 32-39	254.1	140.1	140.8	139.8	140.8	139.2	139.1	139.4	138.9	138.6	140.3	138.4	135.2	-2.3	-3.1
NONDURABLE	20-23, 26-31	265.1	142.3	142.3	144.2	142.6	140.2	139.2	141.4	139.5	139.1	139.2	139.3	139.4	.1	-4.0
UTILITIES, OWN USE	491, 2	6.5	140.1		134.1											
<u>INDUSTRY GROUPS AND SERIES</u>																
<u>METAL MINING</u>																
IRON ORE	101	5.0	189.5	183.2	186.6	190.5	197.7	192.5	203.7	198.5	196.0	193.4	188.0	185.4	-1.4	0.0
COPPER ORE	102	3.0	155.8	149.5	152.6	160.3	161.3	168.9	163.5	168.2	166.7	171.1	168.7	171.0	1.4	12.7
<u>COAL</u>																
CRUDE OIL AND NAT. GAS	131	8.9	190.9	192.2	190.1	190.0	191.3	195.0	192.5	191.7	190.7	196.0	198.2	193.4	-2.4	1.5
NATURAL GAS LIQUIDS	132	2.5	123.0	119.9	123.4	123.0	124.8	123.0	124.7	127.2	122.3	123.3	124.5	129.0	.3	.5
<u>STONE AND EARTH MINERALS</u>																
CRUSHED STONE	142	1.5	166.8	166.9	163.3	166.5	170.7	181.2	168.9	177.0	181.0	183.0	179.6	170.7	-4.9	7.0
SAND AND GRAVEL	144	1.1	143.5	145.2	141.8	142.4	145.1	149.0	146.8	146.0	151.9	151.6	143.4	139.2	-2.9	1.7
CHEMICAL MINERALS	147	3.4	162.6	159.0	164.2	162.9	164.4	167.3	164.9	165.4	167.2	171.2	163.4	167.3	2.4	2.3
<u>ORDNANCE</u>																
FOODS	201	26.8	156.7	155.8	157.5	156.3	157.4	159.8	157.0	158.9	159.1	159.8	160.6	158.1	-1.6	.2
MEAT PRODUCTS	2011	4.2	166.3	167.9	167.1	164.5	166.0	170.0	165.3	168.0	169.7	170.8	169.3	166.0	-2.0	.3
DAIRY PRODUCTS	2021	4.1	135.9	133.9	136.4	134.0	139.6	142.4	139.3	140.3	142.6	141.6	142.9	136.0	-4.9	-3
CANNED AND FROZEN FOODS	203	3.2	185.0	183.4	187.2	186.4	183.7	193.9	182.2	189.6	191.3	194.6	195.8	192.5	-1.7	3.4
GRAIN MILL PRODUCTS	204	4.8	148.9	145.7	152.0	149.5	148.7	148.7	147.4	148.5	146.9	149.4	149.7	145.5	-2.9	-4.4
BAKERY PRODUCTS	2051	1.8	133.8	135.4	134.0	132.2	133.7	135.7	132.0	134.0	134.9	135.5	136.7	135.5	-9	1.6
SUGAR	2061	1.2	221.6	215.4	226.2	241.0	215.9	220.7	219.9	217.9	206.3	227.3	228.6	234.3	2.5	8.3
CONFECTIONERY	2071	1.0	133.9	141.9	131.0	129.5	135.1	151.9	133.9	143.6	151.1	155.8	148.8	139.8	-6.0	4.5
BEVERAGES	208	2.4	193.6	188.9	192.4	195.0	197.8	202.3	198.1	200.0	201.2	202.4	203.3	200.3	-1.5	5.5
MISC. FOOD PRODUCTS	209	4.1	138.6	136.5	138.6	139.1	140.2	135.5	139.7	139.4	135.2	135.5	135.9	135.2	-6	-2.4
TOBACCO PRODUCTS	21	.9	125.5	130.6	127.6	123.2	121.7	125.4	121.7	122.4	127.1	124.8	124.2	123.2	-8	-3.7
<u>TEXTILE MILL PRODUCTS</u>																
FABRICS	221-4	11.7	105.9	103.8	106.9	108.0	105.0	99.8	104.8	104.4	103.0	98.8	97.5	96.7	-8	-8.9
KNIT GOODS	2251	1.7	162.7	164.0	163.1	162.4	161.4	153.5	163.7	161.7	164.9	164.6	161.1	155.7	-3.4	-4.9
FABRIC FINISHING	2261	1.5	152.7	150.2	148.8	155.1	156.9	160.0	156.1	157.6	159.7	161.2	159.2	162.4	2.0	10.0
YARN AND THREAD	2281	3.9	163.3	163.4	165.0	164.0	161.2	160.1	161.4	160.5	159.6	160.4	160.2	161.5	.8	-2.2
MISC. TEXTILES	229	1.4	153.5	156.5	151.8	154.3	151.8	147.3	156.3	149.0	148.7	147.3	145.8	139.6	-4.3	-6.6
<u>APPAREL PRODUCTS</u>																
MEN'S OUTERWEAR	231, 2	1.0	144.1	152.0	144.5	142.6	138.7	148.6	135.8	142.8	145.6	149.6	150.7	148.6	-1.4	2.2
WOMEN'S OUTERWEAR	2331	1.0	199.7	213.7	196.9	195.3	195.9	208.4	194.7	199.8	201.9	213.5	209.9	206.6	-1.6	2.5
<u>LUMBER AND PRODUCTS</u>																
LUMBER	242	3.9	181.4	181.3	180.5	183.1	181.2	180.3	182.9	182.2	180.9	180.2	179.9	171.9	-4.4	-3.3
MILLWORK AND PLYWOOD	243	2.2	194.9	195.4	193.6	193.7	197.1	196.6	196.0	201.7	192.5	198.6	198.8	193.3	-2.8	.1
<u>FURNITURE AND FIXTURES</u>																
HOME FURNITURE	251	1.7	180.8	187.0	177.0	179.7	179.4	179.5	180.3	177.9	178.8	178.7	181.1	175.1	-3.3	-1.1
<u>PAPER AND PRODUCTS</u>																
WOOD PULP	261	3.5	120.6	120.1	120.5	121.6	120.2	118.2	121.8	119.6	120.0	118.9	115.8	116.1	.3	-4.3
PAPER	262	24.5	119.1	118.5	117.6	119.3	121.2	121.9	122.2	122.7	121.3	123.0	121.5	122.3	.7	3.0
PAPERBOARD	2631	14.8	142.0	141.1	142.0	143.4	141.7	137.4	140.7	143.3	139.2	136.8	136.1	136.6	.4	-4.0
CONVERTED PAPER	264	2.5	143.7	143.5	142.9	147.3	141.4	142.4	141.9	142.5	143.8	143.8	139.6	137.2	-1.7	-4.2
PAPERBOARD CONTAINERS	2651	2.3	148.4	149.6	150.2	147.5	146.8	145.2	145.3	148.2	147.5	145.2	143.0	142.2	-6	-5.0
BUILDING PAPER AND BOARD	2661	1.4	158.0	157.6	157.7	157.2	159.7	157.5	159.4	160.7	156.4	159.7	156.4	144.0	-7.9	-8.3
<u>PRINTING AND PUBLISHING</u>																
NEWSPAPERS	271	1.7	138.3	142.6	140.9	134.4	136.7	142.0	135.1	139.6	140.0	143.2	142.8	140.0	-1.9	-1.2
COMMERCIAL PRINTING	275	2.4	170.5	174.5	170.1	169.6	168.3	176.3	167.8	170.3	175.1	178.8	174.9	170.5	-2.5	.9

P--PRELIMINARY

Table 9B

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1967=100

SERIES	SIC (1967)	BIL. KWH. 1967	1979 AVG.	1979				1980 Q 1	1979				PERCENT CHG. FROM PREV. NO. YR. (P) (P)	PERCENT CHG. FROM PREV. NO. YR. (P) (P)		
				Q 1	Q 2	Q 3	Q 4		NOV	DEC	1980 JAN	FEB			MAR	APR
TOTAL		560.4	142.9	141.2	144.8	142.7	143.0	139.5	143.7	139.5	139.2	139.0	141.2	139.8	-1.0	-3.1
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	153.5	149.6	154.1	157.3	153.1	147.3	153.8	147.8	145.0	148.5	148.5	144.2	-2.9	-4.3
FINAL PRODUCTS		101.4	151.3	147.4	151.8	155.7	150.3	144.6	150.8	144.7	142.1	146.0	145.8	140.7	-3.5	-4.9
CONSUMER GOODS		67.4	159.0	154.8	159.8	163.6	157.9	150.2	158.2	152.4	148.6	151.1	150.9	145.0	-3.9	-6.6
EQUIPMENT		34.0	131.6	128.6	131.3	125.4	131.0	130.3	131.7	125.0	125.3	133.0	132.5	129.5	-2.3	.4
INTERMEDIATE PRODUCTS		34.7	160.2	156.4	161.0	162.0	161.5	155.6	163.1	157.3	153.9	156.2	156.9	155.1	-1.1	-2.7
MATERIALS		424.3	139.4	138.4	141.8	137.8	139.6	136.9	140.4	136.7	137.3	134.5	138.8	138.4	-.3	-2.6
DURABLE		237.7	139.1	137.9	140.7	138.5	139.4	138.9	139.6	137.6	138.8	137.2	140.8	138.5	-1.7	-.9
NONDURABLE		133.0	141.7	137.6	141.8	143.3	144.0	140.2	144.2	141.5	141.2	137.9	141.5	140.0	-1.0	-.3
ENERGY, EX. ERDA		23.8	168.4	175.1	169.4	158.8	170.3	180.4	172.3	178.5	184.9	180.8	175.4	176.5	.7	3.1
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	173.1	172.2	174.0	167.7	178.5	181.1	180.0	181.3	182.6	180.8	179.8	180.0	-.1	3.7
MANUFACTURING		519.2	141.2	139.4	143.1	141.5	140.9	137.0	141.6	136.8	136.4	135.5	139.0	137.5	-1.1	-3.5
DURABLE	19, 24-25, 32-39	254.1	140.1	139.5	141.8	139.9	139.4	137.8	139.9	136.0	135.9	137.4	140.1	136.1	-2.8	-3.1
NONDURABLE	20-23, 26-31	265.1	142.3	139.2	144.5	143.1	142.4	136.2	143.2	137.6	136.9	133.8	138.1	138.7	.5	-4.0
UTILITIES, COM USE	491, 21	6.5	140.1	148.3												
INDUSTRY GROUPS AND SERIES																
METAL MINING	101	9.9	171.2	166.0	173.3	167.8	177.6	177.1	179.2	181.1	181.8	175.8	173.8	176.2	1.4	3.2
IRON ORE	1011	5.0	189.5	181.8	191.2	186.5	198.3	191.1	202.2	199.7	198.1	189.0	186.1	189.0	1.5	0.0
COPPER ORE	1021	3.0	155.8	151.8	158.2	151.5	161.7	171.4	160.2	170.2	173.7	169.8	170.7	173.1	1.4	12.7
COAL	11, 21	5.9	191.7	207.9	191.4	167.3	200.2	222.8	200.6	208.6	216.2	231.7	220.6	214.7	-2.7	7.7
OIL AND GAS EXTRACTION	131	11.9	173.0	172.7	171.7	172.9	174.6	175.9	176.0	176.7	179.1	172.1	176.4	173.9	-1.4	1.9
CRUDE OIL AND NAT. GAS	1311	8.9	190.9	193.1	189.3	188.8	192.2	195.9	194.6	193.5	199.6	191.1	197.0	192.5	-2.3	1.5
NATURAL GAS LIQUIDS	1321	2.5	123.0	116.6	123.3	127.2	124.9	119.6	125.4	125.1	121.7	117.0	120.1	120.9	.7	.5
STONE AND EARTH MINERALS	141	6.9	159.7	150.3	162.3	159.9	166.1	157.6	168.5	163.4	158.0	156.1	158.7	164.4	3.6	3.1
CRUSHED STONE	1421	1.5	166.8	139.4	171.0	176.3	180.4	151.3	187.1	172.7	150.4	151.0	152.6	169.5	11.1	7.0
SAND AND GRAVEL	1441	1.1	143.5	123.3	146.7	149.9	154.2	126.5	160.5	145.7	127.6	127.7	124.3	138.8	11.6	1.7
CHEMICAL MINERALS	1471	3.4	162.6	158.4	165.3	159.9	166.8	166.5	166.9	166.8	168.5	163.9	167.1	168.8	1.0	2.3
ORDNANCE	191	4.1	106.0	102.6	106.7	111.9	103.0	100.3	101.0	99.6	96.6	102.1	102.3	98.1	-4.1	-4.3
FOODS	201	26.8	156.7	146.9	152.8	165.9	161.3	150.6	162.5	156.1	152.8	150.1	149.0	147.3	-1.1	.2
MEAT PRODUCTS	2011	4.2	166.3	153.2	163.8	181.0	166.9	155.1	167.5	160.4	156.5	156.1	152.6	156.5	2.6	.3
DAIRY PRODUCTS	2021	4.1	135.9	120.2	137.6	151.2	134.6	127.9	134.4	127.6	128.7	126.0	128.8	128.6	-.1	-3.3
CANNED AND FROZEN FOODS	2031	3.2	185.0	171.9	179.3	199.9	188.8	181.8	186.8	172.9	177.1	185.4	182.9	180.5	-1.3	3.4
GRAIN MILL PRODUCTS	2041	4.8	148.9	145.4	146.4	150.8	153.2	148.4	154.6	150.0	148.0	149.0	148.2	138.1	-6.8	-4.4
BAKERY PRODUCTS	2051	1.8	133.8	125.9	131.5	144.4	133.2	126.1	132.0	127.3	126.7	124.7	127.0	127.4	.3	1.6
SUGAR	2061	1.2	221.6	248.2	168.2	176.7	293.3	253.2	311.3	325.8	317.7	234.6	207.3	183.0	-11.7	8.3
CONFECTIONERY	2071	1.0	133.9	126.7	131.0	138.1	139.8	135.7	141.0	137.6	129.2	138.5	139.5	132.7	-4.9	4.5
BEVERAGES	2081	2.4	193.6	170.5	192.7	217.6	193.7	192.6	193.2	186.2	184.7	176.5	186.6	190.6	2.2	5.5
MISC. FOOD PRODUCTS	2091	4.1	138.6	130.3	135.3	144.3	144.5	129.3	147.0	139.9	131.5	130.6	125.9	127.7	1.5	-2.4
TOBACCO PRODUCTS	211	.9	125.5	120.8	120.3	134.8	126.0	116.0	127.6	115.3	110.4	119.5	118.0	110.1	-6.7	-3.7
TEXTILE MILL PRODUCTS	221	20.8	125.6	117.9	129.7	129.9	124.9	114.8	127.6	117.0	112.1	117.1	115.3	117.8	2.2	-5.4
FABRICS	221-41	11.7	105.9	98.8	109.9	109.7	105.2	94.9	107.2	97.7	94.7	96.1	94.1	96.0	2.0	-8.9
KNIT GOODS	2251	1.7	162.7	147.4	167.0	176.3	160.1	147.0	165.5	146.6	140.6	150.9	149.4	149.2	-.1	-4.9
FABRIC FINISHING	2261	1.5	152.7	148.9	153.1	150.2	158.4	158.6	161.1	154.6	152.2	161.9	161.9	164.5	1.6	10.0
YARN AND THREAD	2281	3.9	163.3	152.2	165.5	169.3	162.3	149.1	166.9	153.3	140.9	153.9	152.5	159.4	4.5	-2.2
MISC. TEXTILES	2291	1.4	153.5	152.7	155.3	154.0	152.1	143.6	154.1	143.7	141.9	146.8	142.1	142.1	0.0	-6.6
APPAREL PRODUCTS	231	3.6	160.4	149.8	157.1	182.3	152.4	145.0	151.0	139.5	136.9	149.0	149.1	147.4	-1.2	0.0
MEN'S OUTERWEAR	231, 21	1.0	144.1	131.6	142.2	166.0	136.4	128.8	133.9	124.8	120.2	133.9	132.2	134.0	1.4	2.2
WOMEN'S OUTERWEAR	2331	1.0	199.7	184.6	194.5	232.6	187.0	180.2	184.8	169.1	168.6	186.6	185.5	184.1	-.8	2.5
LUMBER AND PRODUCTS	241	8.0	193.4	196.4	195.3	187.2	194.7	194.4	198.9	192.5	189.0	196.3	197.9	192.8	-2.6	-3.0
LUMBER	2421	3.9	181.4	184.0	182.9	176.4	182.5	183.0	185.8	178.6	190.2	182.8	186.2	181.2	-2.7	-3.3
MILLWORK AND PLYWOOD	2431	2.2	194.9	200.2	198.5	185.8	195.1	201.5	201.1	196.1	192.7	204.3	207.5	201.6	-2.9	.1
FURNITURE AND FIXTURES	251	2.5	163.7	165.9	162.0	161.2	165.7	166.8	167.5	161.5	160.3	170.3	169.9	163.4	-3.8	.2
HOME FURNITURE	2511	1.7	180.8	190.1	177.4	175.2	180.4	182.4	182.5	175.7	175.9	186.0	185.4	178.1	-4.0	-.1
PAPER AND PRODUCTS	261	49.1	124.4	123.8	125.6	124.2	124.1	123.7	125.0	119.8	124.2	121.5	123.3	123.9	-1.1	-1.6
WOOD PULP	2611	3.5	120.6	119.2	121.1	121.2	120.7	117.3	121.0	115.8	119.9	115.5	116.6	118.4	1.6	-4.3
PAPER	2621	24.5	119.1	118.4	119.5	118.1	120.4	121.9	121.6	115.9	121.8	119.8	125.0	123.3	-1.4	3.0
PAPERBOARD	2631	14.8	142.0	142.6	144.9	140.5	140.0	138.9	140.3	136.1	140.7	135.6	140.4	136.9	-2.5	-4.9
CONVERTED PAPER	2641	2.5	143.7	138.1	144.1	148.9	143.8	137.0	143.5	139.8	136.4	139.7	135.1	136.9	1.4	-4.2
PAPERBOARD CONTAINERS	2651	2.3	148.4	147.0	151.7	149.0	146.1	142.7	146.0	141.4	138.9	141.7	147.5	141.5	-4.0	-5.0
BUILDING PAPER AND BOARD	2661	1.4	158.0	152.7	158.4	160.1	160.7	152.6	166.4	153.0	153.7	152.2	151.8	145.8	-4.0	-8.3
PRINTING AND PUBLISHING	271	5.8	157.0	143.5	154.4	175.5	154.9	145.9	153.8	145.9	144.3	147.0	146.3	146.4	-.1	.4
NEWSPAPERS	2711	1.7	138.3	126.1	138.8	154.4	134.0	125.5	132.2	127.9	125.7	124.7	126.1	129.7	2.9	-1.2
COMMERCIAL PRINTING	2751	2.4	170.5	154.9	166.2	192.3	168.5	156.5	167.0	158.2	152.5	159.0	158.0	157.4	-.4	-.9

P--PRELIMINARY

Explanatory Note

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

Timing. A first estimate of output for a month is published about the 15th of the following month. This estimate may revise in each of the next 3 months as new data become available. After the fourth month, indexes are not further revised until an annual or a benchmark revision.

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

Seasonal adjustment. Individual series are seasonally adjusted by the X-11 version of the Method II seasonal adjustment procedure developed by the Bureau of the Census. The seasonal adjustment factors for the basic aggregate series in the summary table and in Tables 1 and 2 are reviewed and edited monthly. The seasonal factors currently being used were developed from data through 1978, edited to minimize the effect of the sharp cyclical decline and recovery in industrial production in 1974 and 1975.

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

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

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

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

Reliability. The median of the revisions in total IP, without regard to sign, between the first and fourth estimates is 0.25 per cent; that is, in about half of the cases, the absolute value of the revision from the first to the fourth estimate was less than 0.25 per cent. (Calculated on the basis of data for the August 1971 to July 1976 period.)

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