

FEDERAL RESERVE statistical release



G.12.3

For release at 9:30 a.m. (EDT)
August 15, 1985

INDUSTRIAL PRODUCTION

Industrial production increased an estimated 0.2 percent in July, following similar rises in the two previous months. Production of consumer goods and materials increased in July, while output of equipment declined. The index of industrial production in July, at 124.9 percent of the 1977 average, was 1.4 percent above a year earlier.

Market Groupings

Output of consumer goods rose 0.3 percent in July as durable goods increased 0.6 percent and nondurables 0.2 percent. Autos were assembled at an annual rate of 8.3 million units, up from the 8.0 million rate of June. Home goods production rose for the third consecutive month but remained below its level of a year earlier. Equipment output decreased 0.3 percent in July with widespread declines throughout the group. However, the output of construction and business supplies continued to rise. Materials production increased moderately in June and July but remained below year ago levels. Gains in July were due largely to increases in metals and in parts for consumer goods and equipment.

Industry Groupings

Manufacturing output increased 0.3 percent in July while mining increased 0.1 percent and utilities fell 0.9 percent.

Industrial Production: Summary

Seasonally adjusted

Item	Index, 1977 = 100		Monthly percent change					Current month from a year ago
	JUN 1985	JUL	MAR	APR	MAY	JUN	JUL	
Total	124.7	124.9	.3	.1	.2	.3	.2	1.4
Market Groupings								
Products, total	132.0	132.3	.4	.4	.6	.3	.2	2.9
Final products	132.4	132.5	.3	.4	.6	.3	.1	2.6
Consumer goods	120.9	121.3	.6	-0.2	.8	.4	.3	1.9
Durable goods	113.4	114.1	.5	-1.8	.4	1.4	.6	.2
Nondurable goods	123.7	124.0	.6	.3	.9	.1	.2	2.5
Business equipment	142.0	141.6	.1	1.3	.1	-0.2	-0.3	3.3
Defense and space	173.4	172.9	1.1	.6	1.0	.9	-0.3	9.1
Intermediate products	130.9	131.5	.7	.5	.9	.4	.5	3.6
Construction supplies	118.5	118.9	1.0	.4	.6	.4	.3	4.0
Materials	114.6	114.9	.1	-0.4	-0.6	.3	.2	-0.8
Industry Groupings								
Manufacturing	127.1	127.5	.4	.2	.2	.2	.3	1.7
Durable	128.2	128.5	.6	.2	-0.2	.1	.3	1.7
Nondurable	125.6	126.0	.1	.3	.6	.4	.3	1.7
Mining	110.4	110.5	.9	-0.8	.4	.3	.1	-3.7
Utilities	113.2	112.2	-1.7	-0.2	.3	-0.7	-0.9	2.1

FEDERAL RESERVE



Industrial Production

INDUSTRIAL PRODUCTION

JULY DATA

SEASONALLY ADJUSTED, RATIO SCALE, 1977=100

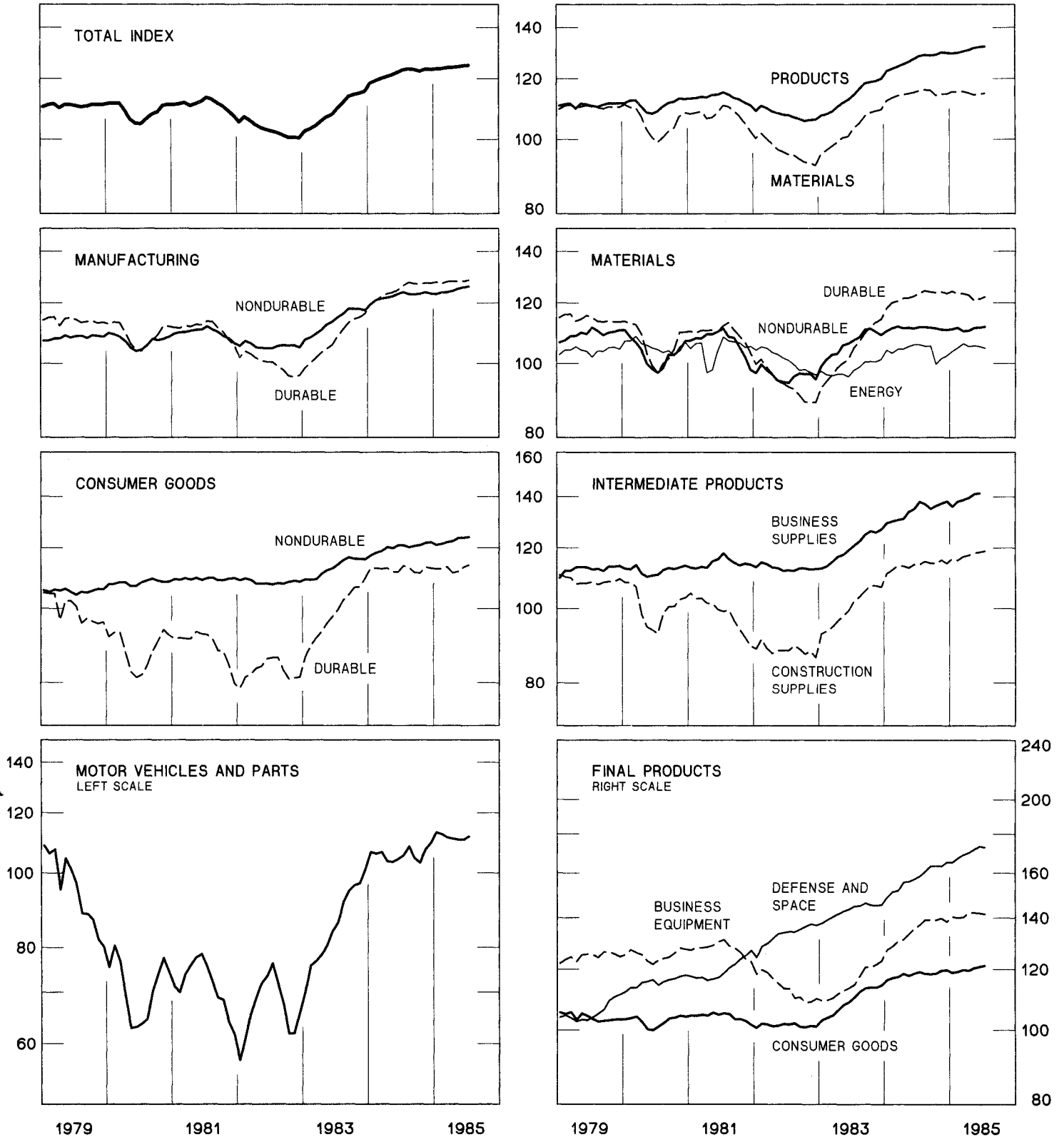


Table 1A

INDUSTRIAL PRODUCTION: MARKET GROUPINGS

Seasonally adjusted, 1977 = 100

Major Market Groupings	1977	1984	1984					1985							
	Pro- por- tion	Ann. Avg.	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
TOTAL INDEX	100.00	121.8	123.2	123.5	123.3	122.7	123.4	123.3	123.6	123.7	124.0	124.1	124.3	124.7	124.9
PRODUCTS, TOTAL	57.72	127.1	128.6	129.0	128.8	129.0	129.9	129.8	129.6	129.8	130.3	130.8	131.7	132.0	132.3
FINAL PRODUCTS	44.77	127.8	129.2	129.7	129.8	129.9	130.7	130.6	130.4	130.4	130.8	131.3	132.0	132.4	132.5
CONSUMER GOODS	25.52	118.2	119.1	118.4	118.3	118.5	119.6	119.7	118.8	119.1	119.8	119.5	120.4	120.9	121.3
EQUIPMENT, TOTAL	19.25	140.5	142.5	144.5	145.0	145.0	145.5	144.9	145.7	145.3	145.4	146.9	147.4	147.5	147.3
INTERMEDIATE PRODUCTS	12.94	124.9	127.0	126.9	125.6	126.2	127.2	127.3	126.8	127.7	128.6	129.3	130.5	130.9	131.5
MATERIALS	42.28	114.6	115.8	116.1	115.9	114.2	114.6	114.6	115.4	115.4	115.5	115.0	114.3	114.6	114.9
CONSUMER GOODS	25.52	118.2	119.1	118.4	118.3	118.5	119.6	119.7	118.8	119.1	119.8	119.5	120.4	120.9	121.3
DURABLE CONSUMER GOODS	6.89	112.6	113.8	113.3	111.5	111.4	113.3	113.1	112.8	112.8	113.5	111.5	111.8	113.4	114.1
Automotive products	2.98	109.8	110.4	111.6	107.4	104.2	110.2	111.6	114.2	115.4	115.1	113.1	113.6	114.6	116.0
Autos and trucks, consumer	1.79	103.0	102.8	106.0	98.7	95.0	103.1	104.7	112.5	111.7	110.5	109.0	109.6	109.4	111.4
Autos, consumer	1.16	93.2	92.8	92.7	85.1	84.0	89.7	95.6	102.5	100.7	101.3	100.5	98.1	97.0	101.1
Trucks, consumer	.63	121.2	121.5	130.8	124.1	115.4	127.8	121.5	131.1	132.0	127.5	124.7	130.9	132.3	
Auto parts & allied gds	1.19	120.1	121.9	120.0	120.6	118.1	121.1	122.1	116.8	121.1	122.0	119.4	119.6	122.5	123.0
Home goods	3.91	114.8	116.4	114.6	114.7	116.9	115.8	114.3	111.6	110.9	112.2	110.2	110.5	112.4	112.6
Appliances, TV & air-cond	1.24	136.2	140.9	138.7	138.0	140.5	137.4	137.2	126.1	127.1	131.8	126.9	129.8	135.2	135.6
Appliances and TV	1.19	137.5	143.0	140.6	140.1	142.2	138.4	138.2	126.6	127.2	131.8	127.1	129.2	135.6	
Carpeting & furniture	.96	117.6	119.3	117.5	118.8	118.1	118.1	114.1	112.7	117.9	117.7	118.1	116.9	119.7	
Misc. home goods	1.71	97.8	97.2	95.7	95.6	99.3	99.0	97.9	100.6	95.1	95.0	93.7	92.9	91.8	
NONDURABLE CONSUMER GOODS	18.63	120.2	120.9	120.2	120.7	121.0	121.8	122.1	121.1	121.4	122.1	122.5	123.6	123.7	124.0
Consumer staples	15.29	125.0	125.9	125.4	126.3	126.7	127.4	127.7	126.6	126.9	127.9	128.5	129.7	129.9	130.0
Consumer foods & tobacco	7.80	126.2	126.9	126.6	127.7	128.2	127.6	129.1	127.1	127.8	128.0	129.4	129.2	129.2	
Nonfood staples	7.49	123.9	125.0	124.3	125.0	125.4	127.5	126.5	126.0	126.0	127.7	127.6	130.2	130.6	131.0
Consumer chem. products	2.75	137.4	139.0	138.3	140.4	141.3	143.3	142.7	142.9	143.2	145.1	145.1	148.7	150.5	
Consumer paper products	1.88	138.4	143.0	141.2	140.7	140.0	141.5	141.8	141.2	138.1	141.7	142.0	145.8	147.1	
Consumer energy	2.86	101.4	99.7	99.8	100.0	100.5	103.0	100.7	99.9	101.5	101.9	101.5	102.1	100.8	
Consumer fuel	1.44	89.3	87.4	88.5	88.1	88.8	89.9	87.7	85.1	84.9	87.0	90.0	90.2	88.3	
Residential utilities	1.42	113.7	112.2	111.2	112.1	112.4	116.3	113.9	115.0	118.4	117.1	113.2	114.4		
EQUIPMENT, TOTAL	19.25	140.5	142.5	144.5	145.0	145.0	145.5	144.9	145.7	145.3	145.4	146.9	147.4	147.5	147.3
BUSINESS & DEFENSE EQUIP.	18.01	139.6	141.4	143.5	144.1	144.1	144.6	143.9	145.5	145.6	146.1	147.7	148.2	148.4	147.9
BUSINESS EQUIPMENT	14.34	134.9	137.0	139.1	139.2	139.1	139.8	138.4	140.4	140.0	140.2	142.0	142.2	142.0	141.6
Constr, mining, & farm	2.08	66.6	68.9	68.1	67.9	69.5	68.2	68.5	68.8	68.3	67.1	68.4	67.4	67.6	
Manufacturing equipment	3.27	109.4	110.6	113.4	113.3	112.7	112.4	111.5	111.6	112.3	112.0	112.4	114.0	113.8	113.3
Power equipment	1.27	79.2	80.3	80.3	82.4	83.7	83.8	84.5	82.5	81.8	79.6	81.8	81.9	81.7	81.5
Commercial equipment	5.22	209.2	213.5	216.5	216.9	216.4	217.1	214.5	217.4	217.0	218.9	221.8	223.2	222.5	222.8
Transit equipment	2.49	98.6	97.6	100.6	99.3	98.5	102.9	100.9	106.7	104.9	104.5	106.0	102.9	103.2	102.0
DEFENSE & SPACE EQUIPMENT	3.67	157.9	158.5	160.7	163.4	163.5	163.3	165.3	165.3	167.3	169.0	170.1	171.8	173.4	172.9
INTERMEDIATE PRODUCTS	12.94	124.9	127.0	126.9	125.6	126.2	127.2	127.3	126.8	127.7	128.6	129.3	130.5	130.9	131.5
Construction supplies	5.95	114.0	114.3	115.3	114.7	114.6	115.7	114.7	116.2	115.7	116.9	117.4	118.1	118.5	118.9
Business supplies	6.99	134.2	137.8	136.9	134.9	136.1	137.1	138.0	135.9	137.9	138.6	139.4	141.0	141.5	
Gen. business supplies	5.67	137.9	142.0	141.3	138.7	140.1	140.9	141.4	140.2	141.1	141.9	143.4	144.8	145.6	
Commercial energy prod.	1.31	118.0	119.5	117.4	118.2	118.8	120.4	122.9	117.1	124.1	124.5	122.4	124.6		
MATERIALS	42.28	114.6	115.8	116.1	115.9	114.2	114.6	114.6	115.4	115.4	115.5	115.0	114.3	114.6	114.9
DURABLE GOODS MATERIALS	20.50	122.3	123.5	124.4	124.0	123.7	123.9	123.4	124.2	123.3	123.3	122.8	120.8	121.5	122.2
Consumer durable parts	4.92	98.0	97.5	99.0	98.8	98.9	99.1	99.8	102.6	102.2	102.1	101.8	100.2	99.9	100.6
Equipment parts	5.94	164.5	168.6	170.1	169.9	168.6	169.1	168.8	166.7	164.2	163.3	161.1	158.0	158.0	158.7
Durable materials nec	9.64	108.6	108.8	109.2	108.5	108.7	108.7	107.4	109.1	109.0	109.6	110.0	108.4	110.0	110.7
Basic metal materials	4.64	86.4	86.5	85.6	85.0	84.8	85.2	84.0	83.5	84.1	85.1	86.6	82.3	85.1	
NONDURABLE GOODS MATERIALS	10.09	111.2	111.6	111.6	111.4	111.2	110.7	110.7	110.9	111.4	110.3	110.4	111.3	111.5	111.7
Textile, paper, & chem. mater.	7.53	111.6	111.8	112.5	112.3	111.5	110.5	110.1	111.5	112.1	111.3	110.5	110.9	110.8	111.2
Textile materials	1.52	101.5	103.2	104.5	99.2	98.5	93.7	91.2	90.3	93.5	93.0	94.1	95.0	94.8	
Pulp & paper materials	1.55	126.5	128.5	127.0	127.7	126.2	125.1	127.2	127.5	126.0	125.4	121.3	122.0	122.6	
Chemical materials	4.46	109.9	109.1	110.1	111.5	110.8	111.1	110.6	113.3	113.5	112.7	112.3	112.5	112.1	
Misc. nondurable materials	2.57	109.8	110.8	109.0	108.4	109.9	111.1	112.1	109.2	109.4	107.2	110.1	112.4	113.5	
ENERGY MATERIALS	11.69	104.0	106.0	105.5	105.5	99.9	101.5	102.4	103.9	104.9	106.2	105.3	105.6	105.3	104.8
Primary energy	7.57	107.5	110.7	109.3	110.0	101.4	104.1	106.0	107.0	107.6	110.2	107.9	108.1	109.0	
Converted fuel materials	4.12	97.6	97.3	98.5	97.2	97.1	96.8	96.0	98.2	100.0	99.0	100.6	100.9	98.6	

* Rigs and prefabs included but not shown separately.

Table 1B

INDUSTRIAL PRODUCTION: MARKET GROUPINGS

Not seasonally adjusted, 1977 = 100

Major Market Groupings	1977	1984	1984					1985							
	Pro-portion	Ann. Avg.	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
TOTAL INDEX	100.00	121.8	121.6	125.8	127.0	125.5	123.0	119.5	120.0	123.7	124.1	122.9	123.5	127.4	123.3
PRODUCTS, TOTAL	57.72	127.1	128.5	132.7	134.4	132.9	129.5	125.4	124.9	128.4	129.0	128.5	130.0	135.3	132.0
FINAL PRODUCTS	44.77	127.8	128.7	132.9	134.9	133.7	130.1	126.4	126.4	129.7	129.9	128.7	130.3	135.7	131.9
CONSUMER GOODS	25.52	118.2	118.8	122.9	125.2	123.8	118.6	113.1	113.9	118.1	118.2	116.7	118.5	124.8	120.9
EQUIPMENT, TOTAL	19.25	140.5	141.7	146.1	147.7	146.8	145.2	143.9	142.9	145.1	145.5	144.5	145.8	150.3	146.5
INTERMEDIATE PRODUCTS	12.94	124.9	128.0	132.2	132.9	130.3	127.9	122.4	119.6	124.0	125.8	127.8	129.0	133.8	132.3
MATERIALS	42.28	114.6	112.2	116.4	116.9	115.4	114.1	111.6	113.5	117.3	117.4	115.3	114.8	116.7	111.3
CONSUMER GOODS	25.52	118.2	118.8	122.9	125.2	123.8	118.6	113.1	113.9	118.1	118.2	116.7	118.5	124.8	120.9
DURABLE CONSUMER GOODS	6.89	112.6	103.9	110.3	115.2	121.5	114.1	102.8	107.7	114.4	117.5	114.3	115.0	118.8	104.1
Automotive products	2.98	109.8	96.0	102.4	109.2	113.2	111.6	101.0	112.8	118.5	121.6	117.9	118.8	123.5	102.3
Autos and trucks, consumer	1.79	103.0	82.4	89.6	97.7	106.1	105.9	89.8	110.1	117.4	121.9	116.8	119.4	124.4	92.1
Autos, consumer	1.16	93.2	75.1	76.2	84.6	95.2	95.8	82.8	103.2	104.8	110.9	107.8	106.5	109.2	34.7
Trucks, consumer	.63	121.2	96.1	114.6	122.1	126.3	124.7	102.8	122.9	140.7	142.3	133.6	143.5	152.7	
Auto parts & allied gds	1.19	120.1	116.6	121.6	126.6	123.9	120.2	118.0	116.8	120.2	121.2	119.5	117.8	122.0	117.7
Home goods	3.91	114.8	110.0	116.5	119.8	127.9	116.0	104.2	103.8	111.3	114.3	111.5	112.0	115.2	105.4
Appliances, TV & air-cond	1.24	136.2	130.8	138.0	140.0	165.8	137.4	113.1	119.6	131.0	137.8	130.0	135.8	136.9	123.3
Appliances and TV	1.19	137.5	133.2	142.5	143.8	170.0	139.8	114.6	119.2	129.6	135.2	127.1	132.9	136.6	
Carpeting & furniture	.96	117.6	108.6	120.6	125.4	123.7	118.6	110.5	103.1	119.0	120.1	121.3	115.8	122.9	
Misc. home goods	1.71	97.8	95.7	98.6	102.1	102.9	99.2	94.3	92.7	92.7	94.1	92.8	92.8	95.2	
NONDURABLE CONSUMER GOODS	18.63	120.2	124.3	127.4	128.9	124.5	120.2	116.8	116.3	119.5	118.5	117.6	119.9	127.0	127.1
Consumer staples	15.29	125.0	130.5	133.0	135.2	130.4	125.9	122.2	122.0	124.7	123.5	122.9	125.2	133.0	134.3
Consumer foods & tobacco	7.80	126.2	128.3	134.1	136.7	135.1	127.0	122.2	121.2	122.9	124.1	124.8	126.7	133.2	
Nonfood staples	7.49	123.9	132.9	132.0	133.7	125.8	124.9	122.4	122.9	126.5	122.8	121.0	123.7	132.7	138.4
Consumer chem. products	2.75	137.4	150.3	145.0	153.5	146.8	141.3	135.0	133.9	136.5	139.3	137.4	143.5	156.5	
Consumer paper products	1.88	138.4	151.1	154.1	149.6	142.5	138.7	133.5	133.7	136.8	137.6	137.1	140.9	148.9	
Consumer energy	2.86	101.4	104.2	105.0	104.2	94.5	100.1	102.8	105.2	110.2	97.2	94.8	93.5	99.2	
Consumer fuel	1.44	89.3	89.8	88.9	90.4	88.7	93.0	91.0	83.3	82.2	81.3	86.0	89.5	91.1	
Residential utilities	1.42	113.7	118.7	121.3	118.2	100.3	107.3	114.7	127.5	138.7	113.5	103.8	97.6	107.5	
EQUIPMENT TOTAL	19.25	140.5	141.7	146.1	147.7	146.8	145.2	143.9	142.9	145.1	145.5	144.5	145.8	150.3	146.5
BUSINESS & DEFENSE EQUIP.	18.01	139.6	141.1	145.4	147.1	145.8	143.8	142.3	142.1	145.2	146.3	145.5	146.8	151.5	147.5
BUSINESS EQUIPMENT	14.34	134.9	137.0	142.0	143.0	141.7	138.7	135.6	135.8	139.4	140.3	139.2	140.5	146.0	141.5
Constr, mining, & farm	2.08	66.6	67.8	68.4	70.3	69.8	66.9	67.1	66.5	70.4	68.0	67.8	66.9	68.4	
Manufacturing equipment	3.27	109.4	109.4	115.6	114.2	114.2	111.8	110.2	108.2	112.9	112.8	111.5	112.7	116.4	112.1
Power equipment	1.27	79.2	78.1	81.3	85.6	84.6	84.6	83.9	80.8	81.7	80.0	80.5	80.4	82.6	79.2
Commercial equipment	5.22	209.2	218.6	226.4	226.5	221.3	215.7	209.8	209.4	213.4	215.5	213.8	217.1	227.4	228.1
Transit equipment	2.49	98.6	90.5	92.6	96.7	100.9	101.1	97.6	103.8	106.3	110.2	109.2	108.9	111.5	94.2
DEFENSE & SPACE EQUIPMENT	3.67	157.9	156.8	158.5	163.0	161.6	163.3	168.4	167.0	168.2	169.9	169.8	171.4	173.3	171.1
INTERMEDIATE PRODUCTS	12.94	124.9	128.0	132.2	132.9	130.3	127.9	122.4	119.6	124.0	125.8	127.8	129.0	133.8	132.3
Construction supplies	5.95	114.0	114.3	118.0	119.2	118.9	116.3	110.5	107.8	110.9	115.1	118.2	119.4	123.2	118.9
Business supplies	6.99	134.2	139.7	144.4	144.6	140.0	137.8	132.4	129.5	135.2	134.8	135.9	137.1	142.8	
Gen. business supplies	5.67	137.9	142.2	148.4	148.4	145.6	142.4	136.2	132.5	137.3	138.8	140.5	141.8	146.6	
Commercial energy prod.	1.31	118.0	128.8	127.0	127.9	115.5	117.3	115.9	116.6	126.1	117.7	116.3	117.0		
MATERIALS	42.28	114.6	112.2	116.4	116.9	115.4	114.1	111.6	113.5	117.3	117.4	115.3	114.8	116.7	111.3
DURABLE GOODS MATERIALS	20.50	122.3	120.4	124.3	126.1	125.4	122.8	120.3	119.9	123.6	125.4	123.9	122.8	124.9	119.1
Consumer durable parts	4.92	98.0	94.0	97.8	101.7	100.8	99.0	98.2	99.2	102.1	103.7	102.8	101.4	102.3	96.9
Equipment parts	5.94	164.5	165.2	168.5	170.4	168.8	169.7	170.3	166.3	163.8	164.7	159.3	159.1	160.6	155.5
Durable materials nec	9.64	108.6	106.2	110.5	111.2	111.0	106.0	100.6	101.9	109.9	112.2	112.8	111.4	114.3	108.1
Basic metal materials	4.64	86.4	81.1	82.6	84.4	83.8	79.4	75.5	80.9	87.2	91.7	92.5	88.5	89.6	
NONDURABLE GOODS MATERIALS	10.09	111.2	105.4	111.4	112.0	113.9	110.8	104.6	108.3	114.4	113.2	112.3	112.3	113.7	105.2
Textile, paper, & chem. mater.	7.53	111.6	105.3	111.5	112.5	112.9	110.9	104.7	109.1	114.9	114.5	113.0	112.9	112.9	104.3
Textile materials	1.52	101.5	86.8	106.6	98.9	103.7	93.7	83.3	91.4	96.9	96.4	95.1	99.7	96.5	
Pulp & paper materials	1.55	126.5	121.3	127.1	128.1	128.1	125.6	116.3	125.0	130.6	131.1	124.0	123.9	124.6	
Chemical materials	4.46	109.9	106.0	107.8	111.7	110.8	111.7	108.0	109.7	115.6	115.0	115.3	113.6	114.5	
Misc. nondurable materials	2.57	109.8	105.5	110.8	110.2	116.7	110.2	103.9	105.7	112.9	109.1	110.1	110.7	116.1	
ENERGY MATERIALS	11.69	104.0	103.8	107.0	104.9	99.2	101.3	102.2	106.7	108.9	107.1	103.1	102.7	104.8	102.9
Primary energy	7.57	107.5	106.9	110.4	110.1	102.8	103.8	104.8	107.7	110.6	112.0	106.6	106.7	108.9	
Converted fuel materials	4.12	97.6	98.2	100.6	95.3	92.6	96.8	97.6	104.8	105.9	98.1	96.5	95.3	97.3	

Table 2A

INDUSTRIAL PRODUCTION: INDUSTRY GROUPINGS

Seasonally adjusted, 1977 = 100

Major Industry Groupings	SIC Code	1977 Pro-portion	1984 Ann. Avg.	1984							1985						
				JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	
MINING AND UTILITIES		15.79	110.9	112.9	111.9	112.1	108.0	110.1	109.9	111.4	111.9	111.8	111.1	111.5	111.4	111.1	
MINING		9.83	110.9	114.8	113.0	113.6	107.2	108.8	108.9	110.5	109.5	110.5	109.6	110.1	110.4	110.5	
UTILITIES		5.96	110.9	109.8	110.0	109.7	109.4	112.1	111.6	113.0	115.8	113.9	113.6	114.0	113.2	112.2	
MANUFACTURING		84.21	123.9	125.4	125.9	125.6	125.5	126.0	125.8	125.9	125.8	126.3	126.6	126.8	127.1	127.5	
NONDURABLE		35.11	122.5	123.9	123.2	123.1	123.3	123.8	123.4	123.2	123.9	123.9	124.3	125.1	125.6	126.0	
DURABLE		49.10	124.8	126.4	127.7	127.2	127.0	127.5	127.4	127.8	127.2	128.0	128.2	128.0	128.2	128.5	
MINING																	
Metal mining	10	.50	77.0	79.6	72.2	73.6	75.3	75.5	69.3	70.5	74.5	83.6	81.2	79.2	76.3		
Coal	11,12	1.60	127.6	141.7	136.4	144.2	102.0	113.1	116.2	118.5	121.5	131.9	128.5	128.7	134.0	134.0	
Oil & gas extraction	13	7.07	109.1	110.9	110.2	109.2	110.1	109.8	109.8	110.7	108.2	106.8	106.5	107.3	106.7	106.7	
Stone & earth minerals	14	.66	116.1	118.3	118.4	117.6	114.2	115.3	113.2	118.5	119.8	118.7	118.5	118.6	117.6		
NONDURABLE MANUFACTURES																	
Foods	20	7.96	127.1	127.8	127.7	128.2	129.1	128.7	129.0	128.2	129.4	128.5	130.8	131.5	131.7		
Tobacco products	21	.62	100.7	100.9	97.3	99.6	103.1	102.7	107.4	97.2	103.8	103.4	98.4	94.7			
Textile mill products	22	2.29	103.7	105.7	103.5	100.9	100.3	97.1	94.7	93.6	98.5	99.4	99.0	100.0	101.1		
Apparel products	23	2.79	102.8	102.3	101.3	100.1	100.5	101.1	102.5	102.6	103.1	101.3	100.2	100.1	99.5		
Paper & products	26	3.15	127.3	128.2	128.2	128.9	127.6	127.7	128.8	128.3	126.4	126.9	125.1	124.1	127.1		
Printing & publishing	27	4.54	147.9	152.3	151.5	148.8	149.5	153.5	151.2	150.4	150.3	152.6	154.2	156.7	157.7	158.5	
Chemicals & products	28	8.05	121.7	122.9	122.0	124.2	123.5	124.3	123.4	125.7	125.8	126.5	125.8	127.6	128.2		
Petroleum products	29	2.40	87.4	87.0	87.5	85.7	85.4	86.2	84.7	84.1	84.0	84.7	87.3	87.3	85.3	86.1	
Rubber & plastics prod.	30	2.80	143.2	146.0	144.5	144.1	146.0	146.6	146.6	145.9	145.7	144.1	144.9	144.5	144.9		
Leather & products	31	.53	76.7	77.0	74.2	73.4	70.9	71.5	71.4	69.1	69.2	69.4	69.9	71.0	70.5		
DURABLE MANUFACTURES																	
Lumber & products	24	2.30	109.1	107.9	109.4	110.4	110.2	109.5	109.4	109.2	109.1	109.5	110.9	112.2			
Furniture & fixtures	25	1.27	136.7	139.4	140.0	140.9	139.9	139.8	138.0	136.5	139.0	139.2	141.0	142.0	141.9		
Clay, glass, stone prod.	32	2.72	112.3	113.8	113.7	112.6	113.3	113.6	111.8	112.7	110.5	111.4	114.5	116.3	116.5		
Primary metals	33	5.33	82.4	80.6	84.0	82.9	81.3	80.9	78.4	81.7	80.2	81.8	81.4	76.6	78.3	81.3	
Iron & steel	33,2	3.49	73.5	69.0	74.6	73.6	71.0	71.1	68.9	71.0	68.5	73.2	71.9	65.4	68.1		
Fabricated metal prod.	34	6.46	102.8	103.7	104.1	104.8	104.8	105.4	105.9	106.4	107.6	108.6	109.1	108.4	108.4	108.6	
Nonelectrical machinery	35	9.54	142.0	146.1	147.8	146.5	146.6	145.8	144.6	145.0	144.9	146.5	148.9	149.5	148.5	147.9	
Electrical machinery	36	7.15	172.4	175.3	176.2	176.8	178.4	178.9	180.2	176.0	173.2	173.1	168.9	169.3	169.6	169.4	
Transportation equip.	37	9.13	113.6	114.2	116.2	114.3	113.4	116.0	117.8	120.4	120.5	120.8	120.7	120.9	121.4	121.9	
Motor vehicles & pts.	37,1	5.25	105.6	105.4	108.3	104.6	103.1	107.5	109.5	113.0	112.5	111.3	110.9	110.5	110.6	111.6	
Aerospace & misc.	37,2-6,9	3.87	124.4	126.0	126.9	127.5	127.3	127.5	129.0	130.5	131.4	133.7	134.1	134.9	136.2	135.9	
Instruments	38	2.66	136.9	139.4	139.8	140.2	138.6	138.6	138.9	138.7	138.7	139.0	138.5	138.9	139.4	139.4	
Miscellaneous mfrs.	39	1.46	98.0	99.7	97.8	95.9	98.6	98.6	97.2	99.0	96.4	96.0	98.3	98.1	97.2		
UTILITIES																	
Electric		4.17	116.8	116.1	116.8	116.2	116.8	118.7	117.5	118.9	121.9	119.5	119.1	119.5	118.4	117.3	

Table 3A

INDUSTRIAL PRODUCTION: PERCENT CHANGES

Based on seasonally adjusted indexes

Series	1984							1985						
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	
	CHANGE FROM PREVIOUS MONTH													
TOTAL INDEX	.7	.3	-0.2	-0.5	.6	-0.1	.2	.1	.3	.1	.2	.3	.2	
Final products	.8	.4	.1	.1	.6	-0.1	-0.1	.0	.3	.4	.6	.3	.1	
Consumer goods	.5	-0.5	-0.1	.2	.9	.2	-0.8	.2	.6	-0.2	.8	.4	.3	
Durable consumer goods	1.9	-0.5	-1.5	-0.1	1.8	-0.2	-0.3	.1	.5	-1.8	.4	1.4	.6	
Nondurable consumer goods	.0	-0.6	.4	.2	.6	.3	-0.8	.3	.6	.3	.9	.1	.2	
Business equipment	1.1	1.5	.0	-0.1	.5	-1.0	1.5	-0.3	.1	1.3	.1	-0.2	-0.3	
Construction Supplies	.0	.9	-0.5	-0.1	1.0	-0.9	1.4	-0.5	1.0	.4	.6	.4	.3	
Materials	.5	.3	-0.2	-1.5	.4	.0	.7	.0	.1	-0.4	-0.6	.3	.2	
Durable goods materials	.8	.8	-0.3	-0.2	.2	-0.4	.6	-0.7	.0	-0.4	-1.6	.6	.6	
Nondurable goods materials	.4	.0	-0.2	-0.2	-0.4	.0	.2	.4	-1.0	.1	.8	.2	.2	
Manufacturing	1.0	.4	-0.2	.0	.4	-0.2	.0	-0.1	.4	.2	.2	.2	.3	
Durable manufacturing	1.3	1.0	-0.4	-0.2	.4	-0.1	.3	-0.5	.6	.2	-0.2	.1	.3	
Nondurable manufacturing	.6	-0.6	-0.1	.1	.5	-0.3	-0.2	.5	.1	.3	.6	.4	.3	
Mining and utilities	.2	-0.9	.2	-3.6	1.9	-0.1	1.4	.4	-0.1	-0.6	.4	-0.1	-0.3	
	CHANGE FROM SAME MONTH A YEAR EARLIER													
TOTAL INDEX	12.2	10.7	8.4	7.2	7.5	6.8	4.4	3.7	3.3	2.8	2.5	1.9	1.4	
Final products	12.2	10.5	8.9	8.9	9.2	8.1	5.7	4.9	4.6	4.1	4.1	3.2	2.6	
Consumer goods	7.9	5.5	4.3	4.3	5.3	4.7	2.3	1.9	2.1	1.0	2.3	2.1	1.9	
Durable consumer goods	14.1	10.4	6.9	4.6	6.2	3.1	-0.2	-0.1	.6	-1.4	.1	1.5	.2	
Nondurable consumer goods	5.8	3.9	3.4	4.1	4.9	5.2	3.2	2.7	2.7	1.8	3.1	2.3	2.5	
Business equipment	19.6	18.2	15.2	15.2	14.9	12.6	10.5	9.0	7.6	8.3	6.7	4.8	3.3	
Construction Supplies	11.8	11.3	8.8	7.0	8.0	7.5	4.5	2.9	2.6	3.2	4.4	3.7	4.0	
Materials	11.9	10.6	8.0	5.3	5.2	4.8	2.7	1.8	1.2	.5	-0.3	-0.5	-0.8	
Durable goods materials	17.7	16.4	13.2	10.9	9.6	8.0	5.2	2.7	2.2	1.0	-0.8	-0.8	-1.0	
Nondurable goods materials	4.0	3.1	.6	.1	.6	1.5	.6	.1	-1.4	-0.8	-0.1	.2	.1	
Manufacturing	12.7	11.3	9.0	8.3	8.5	7.7	5.3	3.9	3.5	3.1	2.9	2.4	1.7	
Durable manufacturing	16.3	15.1	12.4	11.0	10.9	9.5	6.9	5.2	4.7	4.0	3.4	2.8	1.7	
Nondurable manufacturing	7.8	6.0	4.3	4.5	5.1	5.1	3.1	2.3	1.9	2.0	2.3	2.0	1.7	
Mining and utilities	9.4	6.6	5.0	1.3	2.9	1.8	-0.1	2.3	1.3	.7	-0.1	-1.1	-1.6	

Table 2B

INDUSTRIAL PRODUCTION: INDUSTRY GROUPINGS

Not seasonally adjusted, 1977 = 100

Major Industry Groupings	SIC Code	1977	1984	1984						1985						
		Pro- por- tion	Ann. Avg.	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
MINING AND UTILITIES		15.79	110.9	111.9	114.3	112.9	106.6	109.6	110.8	114.2	116.8	111.8	107.6	107.0	110.2	110.3
MINING		9.83	110.9	110.5	113.5	113.9	109.2	110.7	110.4	110.0	111.0	111.8	107.8	108.2	109.3	106.4
UTILITIES		5.96	110.9	114.3	115.7	111.3	102.3	107.8	111.4	121.1	126.4	111.8	107.2	105.0	111.7	116.7
MANUFACTURING		84.21	123.9	123.5	128.0	129.7	129.1	125.6	121.3	121.2	125.2	126.4	125.8	126.7	130.5	125.4
NONDURABLE		35.11	122.5	123.2	127.9	129.3	127.9	123.3	117.9	117.1	121.8	122.5	122.4	124.2	128.9	125.0
DURABLE		49.10	124.8	123.5	127.9	129.9	129.8	127.0	123.5	124.2	127.6	129.2	128.2	128.5	131.7	125.7
MINING																
Metal mining	10	.50	77.0	79.9	72.8	74.9	76.4	71.6	62.9	65.1	74.0	83.6	82.0	86.4	83.9	
Coal	11,12	1.60	127.6	126.6	145.3	148.0	111.9	111.4	108.2	110.4	125.6	141.4	127.4	125.3	135.1	119.8
Oil & gas extraction	13	7.07	109.1	108.3	108.5	108.1	110.0	112.4	114.0	113.3	110.5	107.1	104.2	104.6	104.2	104.2
Stone & earth minerals	14	.66	116.1	118.2	121.0	123.5	120.3	121.5	114.8	107.6	109.5	112.3	117.8	120.7	120.8	
NONDURABLE MANUFACTURES																
Foods	20	7.96	127.1	129.3	134.1	136.6	136.5	129.0	125.8	122.2	123.9	124.5	126.0	128.6	134.2	
Tobacco products	21	.62	100.7	89.3	105.6	105.2	111.4	102.9	81.9	99.3	108.7	107.6	94.2	89.5	104.4	
Textile mill products	22	2.29	103.7	95.4	108.4	104.6	106.7	97.1	86.0	89.8	98.2	100.7	100.7	103.8	104.7	
Apparel products	23	2.79	102.8	99.6	105.9	108.6	102.9	100.6	100.1	97.4	101.2	100.6	98.5	99.4	102.5	
Paper & products	26	3.15	127.3	121.6	127.4	129.5	130.8	125.6	117.8	127.2	131.3	132.4	127.8	125.7	129.5	
Printing & publishing	27	4.54	147.9	160.0	165.9	162.9	157.0	152.6	144.1	137.7	144.0	145.4	147.8	152.2	159.3	165.4
Chemicals & products	28	8.05	121.7	124.1	123.9	128.9	125.6	123.3	119.2	119.9	123.9	125.5	125.3	127.6	132.4	
Petroleum products	29	2.40	87.4	90.7	90.1	89.4	86.7	89.0	85.8	78.9	79.6	79.6	83.7	86.9	88.9	89.7
Rubber & plastics prod.	30	2.80	143.2	137.4	145.6	149.2	150.4	143.8	137.1	137.7	150.9	149.2	147.7	145.4	149.4	
Leather & products	31	.53	76.7	66.7	75.5	75.0	74.2	71.2	67.0	68.3	71.8	72.1	70.4	72.7	71.8	
DURABLE MANUFACTURES																
Lumber & products	24	2.30	109.1	106.5	115.1	116.5	115.7	107.3	98.8	100.9	106.7	109.7	112.4	113.1		
Furniture & fixtures	25	1.27	136.7	126.8	145.1	145.5	144.6	140.5	137.1	132.8	146.2	140.6	138.6	137.1	142.4	
Clay, glass, stone prod.	32	2.72	112.3	114.1	119.3	115.4	119.5	115.7	105.7	104.1	106.0	109.2	114.2	117.5	120.0	
Primary metals	33	5.33	82.4	76.0	79.0	81.2	79.0	75.2	72.4	78.0	82.6	88.1	87.7	83.1	85.0	76.8
Iron & steel	331,21	3.49	73.5	66.9	69.4	71.3	66.9	63.7	62.0	66.5	70.4	79.7	79.1	73.3	75.9	
Fabricated metal prod.	34	6.46	102.8	102.5	105.3	107.8	106.5	106.2	104.5	102.3	106.9	108.1	108.5	108.1	110.5	107.4
Nonelectrical machinery	35	9.54	142.0	148.1	153.5	152.3	149.1	144.9	139.8	139.8	144.7	145.5	144.5	146.2	152.1	149.9
Electrical machinery	36	7.15	172.4	170.4	176.0	179.5	184.5	180.0	176.8	173.3	173.8	174.3	169.0	168.9	170.8	164.2
Transportation equip.	37	9.13	113.6	105.5	108.4	113.8	116.7	117.1	115.3	120.2	122.6	125.2	123.6	124.7	127.0	113.6
Motor vehicles & pts.	371	5.25	105.6	93.2	98.1	108.3	108.8	108.0	101.5	112.0	115.4	118.0	116.0	117.0	120.6	100.2
Aerospace & misc.	372-6,9	3.87	124.4	122.2	122.4	126.7	127.2	128.7	134.0	131.4	132.5	135.0	133.9	135.0	135.7	131.8
Instruments	38	2.66	136.9	140.4	142.0	144.8	140.3	138.7	138.4	135.4	136.5	137.1	135.5	137.5	141.9	140.4
Miscellaneous mfrs.	39	1.46	98.0	100.3	102.7	104.3	102.5	97.9	91.7	93.1	96.2	95.6	95.1	95.1	98.7	
UTILITIES																
Electric		4.17	116.8	125.6	127.9	121.3	108.3	112.6	114.8	125.6	132.1	114.1	109.1	108.0	119.1	126.9

Table 3B

INDUSTRIAL PRODUCTION: HISTORICAL DATA

Seasonally adjusted, 1977 = 100

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Q I	Q II	Q III	Q IV	ANNUAL
INDEX																	
67	73.7	72.8	72.4	73.1	72.5	72.5	72.3	73.7	73.6	74.2	75.2	76.0	73.0	72.7	73.2	75.1	73.5
68	76.0	76.2	76.5	76.6	77.4	77.7	77.6	77.8	78.1	78.3	79.3	79.5	76.2	77.2	77.8	79.0	77.6
69	80.0	80.5	81.2	80.9	80.6	81.3	81.8	82.0	81.9	82.0	81.2	81.0	80.6	80.9	81.9	81.4	81.2
70	79.5	79.4	79.3	79.1	79.0	78.8	79.0	78.8	78.3	76.7	76.2	76.0	79.4	79.0	78.7	77.0	76.5
71	78.6	78.4	78.4	78.8	79.2	79.5	79.3	78.8	80.1	80.7	81.1	82.0	78.5	79.2	79.4	81.3	79.6
72	83.8	84.4	85.1	86.5	86.3	86.5	86.4	87.6	88.5	89.8	90.9	91.8	84.4	86.4	87.5	90.8	87.3
73	91.8	93.1	93.1	93.4	93.8	94.5	95.1	95.1	95.8	96.1	96.2	94.7	92.7	93.9	95.3	95.7	94.4
74	93.3	93.0	93.4	93.2	94.3	94.6	94.2	93.9	94.2	93.6	90.9	87.1	93.2	94.1	94.1	90.5	93.0
75	84.8	83.5	82.0	82.7	82.5	83.6	84.1	85.6	86.4	86.9	87.7	88.4	83.4	82.9	85.3	87.6	84.8
76	89.3	90.9	90.7	91.1	92.1	92.2	92.7	93.2	93.5	93.9	95.4	96.2	90.3	91.8	93.2	95.2	92.6
77	96.5	97.2	98.0	99.0	99.6	100.4	100.7	101.0	101.4	101.8	102.1	102.1	97.3	99.7	101.0	102.0	100.0
78	101.6	101.6	103.0	105.5	105.8	106.9	107.5	107.7	108.3	109.2	109.9	110.8	102.1	106.1	107.9	110.0	106.5
79	110.3	110.9	111.2	109.9	110.9	110.9	110.5	110.2	110.4	111.0	111.0	111.0	110.8	110.6	110.4	111.0	110.7
80	111.3	111.4	111.4	109.1	106.2	105.0	104.8	106.3	107.7	108.5	110.7	111.0	111.4	106.8	106.3	110.1	106.6
81	111.0	111.2	111.6	110.6	111.2	112.0	113.4	112.8	111.5	110.4	109.0	107.4	111.2	111.3	112.5	108.9	111.0
82	105.4	107.0	105.8	104.5	103.6	103.0	102.5	102.0	101.3	100.5	100.6	100.5	106.1	103.7	102.0	100.6	103.1
83	102.5	103.3	104.2	105.6	106.9	107.8	109.8	111.6	113.7	114.4	114.8	115.5	103.3	106.8	111.7	114.9	105.2
84	118.4	119.3	120.1	120.7	121.3	122.3	123.2	123.5	123.3	122.7	123.4	123.3	119.3	121.5	123.4	123.1	121.8
CHANGE*																	
67	0.5	-1.2	-0.5	1.0	-0.8	0.0	-0.3	1.9	-0.1	0.8	1.3	1.1	-0.5	-0.4	0.7	2.6	2.1
68	0.0	0.3	0.4	0.1	1.0	0.4	-0.1	0.3	0.4	0.3	1.3	0.3	1.5	1.3	0.8	1.5	5.6
69	0.6	0.6	0.9	-0.4	-0.4	0.9	0.6	0.2	-0.1	0.1	-1.0	-0.2	2.0	0.4	1.2	-0.6	4.6
70	-1.9	-0.1	-0.1	-0.3	-0.1	-0.3	0.3	-0.3	-0.6	-2.0	-0.7	2.4	-2.5	-0.5	-0.4	-2.2	-3.3
71	0.8	-0.3	0.0	0.5	0.5	0.4	-0.3	-0.6	1.6	0.7	0.5	1.1	1.9	0.9	0.3	2.4	1.4
72	2.2	0.7	0.8	1.6	-0.2	0.2	-0.1	1.4	1.0	1.5	1.2	1.0	3.8	2.4	1.3	3.8	5.7
73	0.0	1.4	0.0	0.3	0.4	0.7	0.6	0.0	0.7	0.3	0.1	-1.6	2.1	1.3	1.5	0.4	6.1
74	-1.5	-0.3	0.4	-0.2	1.2	0.3	-0.4	-0.3	0.3	-0.6	-2.9	-4.2	-2.6	1.0	0.0	-3.8	-1.5
75	-2.6	-1.5	-1.8	0.9	-0.2	1.											

Table 4A

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1977 = 100

Series	SIC Code	1977	1984	1984							1985					
		Pro- por- tion	Ann. Avg.	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
METAL MINING	10	.50	77.0	79.0	79.6	72.2	73.6	75.3	75.5	69.3	70.5	74.5	83.6	81.2	79.2	76.3
Iron ore	101	.15	92.1	102.2	107.9	87.8	93.2	103.3	79.6	43.7	58.6	73.2	97.0	105.8	107.1	97.2
Nonferrous ores	102-6,8,9	.35	70.6	70.3	77.3	69.7	71.1	67.7	70.4	73.6	70.8	71.4	73.5	68.2	69.7	
Copper ore	102	.15	78.6	77.4	93.6	77.3	79.9	77.5	78.5	81.3	79.3	79.3	82.6	74.9	79.1	
Lead and zinc ores	103	.05	60.3	42.8	61.4	47.8	43.7	49.8	50.7	56.8	61.0	67.6	74.8	75.7	73.4	
Gold and silver ores	104	.02	146.4	164.4	154.8	147.9	162.9	142.9	139.5	149.5	126.0	136.2	137.3	123.5	131.6	
Ferroalloy ores	106	.04	92.9	102.3	100.1	103.2	114.3	100.9	108.2	120.8	105.8	106.1	107.0	96.2	93.8	
ANTHRACITE	11	.02	77.9	78.4	78.5	78.6	91.9	69.9	65.9	68.9	63.1	73.8	67.3	67.4	66.8	68.5
BITUMINOUS	12	1.58	128.1	138.0	147.5	139.1	145.3	101.8	107.6	116.4	120.1	123.1	134.7	128.8	127.0	136.0
OIL AND GAS EXTRACTION	13	7.07	109.1	110.2	110.9	110.2	109.2	110.1	109.8	109.8	110.7	108.2	106.8	106.5	107.3	106.7
Crude oil & natural gas	131	5.62	99.9	100.1	100.8	99.9	99.1	100.4	100.3	100.4	102.1	100.9	101.1	98.9	100.3	100.4
Crude oil, total		3.46	106.1	106.1	106.9	106.8	105.9	107.2	107.2	107.0	108.2	107.5	108.4	107.1	108.9	108.5
Texas crude		1.34	79.3	79.4	79.3	79.4	78.9	78.5	78.7	78.7	77.4	76.0	76.3	77.6	79.0	78.8
Alaska, Calif. crude		.57	201.8	205.1	203.3	202.2	200.8	201.6	202.4	201.1	203.8	206.5	207.6	204.2	208.3	207.9
La. and other crude		1.54	93.9	92.6	95.2	95.1	94.1	97.1	96.6	96.6	99.5	98.1	99.5	96.7	98.1	97.3
Natural gas		2.16	89.9	90.3	91.0	88.9	88.1	89.3	89.2	89.7	92.3	90.2	89.4	85.8	86.5	87.5
Natural gas liquids	132	.47	99.9	100.8	103.7	102.7	102.6	102.0	98.5	98.1	98.2	97.1	97.1	98.4	103.5	
Propane		.05	103.4	102.6	106.2	106.5	106.9	103.0	108.7	105.8	103.0	103.7	104.1	102.1	93.7	
Liquefied petroleum		.42	99.5	100.6	103.4	102.2	102.1	101.9	97.4	97.2	97.6	96.4	96.4	97.9	104.6	
Oil & gas well drilling	138	.99	165.5	170.5	172.3	172.0	171.0	171.5	170.8	172.5	161.7	151.9	143.9	143.3	144.6	144.7
FOODS	20	7.96	127.1	127.4	127.8	127.7	128.2	129.1	128.7	129.0	128.2	129.4	128.5	130.8	131.5	131.7
Meat products	201	1.06	116.3	116.6	118.1	118.2	116.2	118.6	115.3	116.3	116.3	117.5	117.2	119.8	122.8	118.5
Beef		.43	93.5	96.0	97.8	95.4	94.4	94.9	90.6	90.8	91.5	91.5	93.8	95.5	98.7	95.8
Pork		.25	112.8	111.7	109.9	111.7	112.2	115.5	111.7	111.0	111.6	112.5	110.6	112.0	120.8	113.5
Poultry		.20	135.5	134.1	139.3	139.1	133.8	143.5	137.2	138.6	138.5	141.3	138.7	145.3	140.7	137.4
Misc. meats		.18	155.3	154.3	155.3	159.5	155.3	152.6	155.8	159.6	158.2	161.3	159.5	161.1	164.2	159.8
Dairy products	202	.80	118.6	116.6	117.7	116.1	117.8	118.9	119.8	119.1	120.5	120.6	119.5	122.8	123.9	125.5
Butter	2021	.01	102.9	90.3	98.3	94.7	102.8	99.7	97.7	111.5	103.3	109.0	107.2	104.1	104.7	114.4
Cheese	2022	.13	139.3	133.0	136.3	134.9	136.9	143.5	147.9	140.2	144.7	140.1	137.7	142.0	142.0	139.9
Concentrated milk	2023	.11	118.4	115.7	117.3	110.5	114.2	115.1	115.5	120.3	118.4	124.1	122.8	128.9	129.7	137.5
Frozen desserts	2024	.09	132.4	134.3	135.8	130.4	135.7	131.6	130.9	128.3	136.3	131.4	132.0	138.3	138.5	139.8
Canned and frozen food	203	1.09	142.4	144.9	147.9	147.4	145.3	155.6	140.4	144.2	145.0	145.4	145.2	143.5	142.8	148.5
Grain mill products	204	.94	127.1	126.2	125.5	127.3	124.9	129.1	130.5	130.4	129.0	129.5	127.6	132.9	134.1	132.8
Flour	2041	.12	105.3	111.3	100.3	102.3	111.4	99.3	104.7	107.1	102.2	114.2	115.2	107.8	108.8	116.7
Bakery products	205	1.00	123.4	127.0	124.1	124.7	124.2	123.8	124.7	122.6	125.4	122.9	126.1	129.7	129.6	129.8
Beverages	208	1.41	126.6	129.6	126.8	127.7	131.3	123.8	125.2	127.2	124.9	126.3	124.4	126.2	126.3	127.7
Beer and ale	2082,3	.38	112.8	116.5	121.3	109.2	112.4	109.5	108.4	116.6	115.2	112.1	116.7	115.3	111.9	
Wine and brandy	2084	.07	138.8	152.3	129.8	158.3	155.6	121.5	130.2	135.0	120.7	157.6	143.9			
Soft drinks	2086,7	.79	138.6	140.8	138.2	139.4	145.3	137.7	140.4	139.1	137.1	135.2	133.0	136.0	138.1	137.9
Liquor	2085	.16	96.1	96.4	84.4	101.4	93.6	91.8	89.2	91.8	91.0	102.6	92.4	92.1		
Fats and oils	207	.27	114.0	111.8	111.0	108.0	108.3	119.2	116.7	120.8	117.9	120.4	115.8	121.5	126.6	123.8
Coffee & misc. foods	209	.79	141.1	144.1	143.8	141.1	143.8	139.2	139.8	143.3	142.4	147.5	152.1	149.7	148.9	150.9
TOBACCO PRODUCTS	21	.62	100.7	102.0	100.9	97.3	99.6	103.1	102.7	107.4	97.2	103.8	103.4	98.4	94.7	
Cigarettes	211	.54	100.5	107.4	100.0	94.6	99.9	104.1	99.8	109.4	98.3	104.0	102.6	97.0	93.1	99.4
Cigars	212	.02	78.6	80.8	83.9	75.8	80.1	80.0	71.5	81.3	84.0	75.2	71.9	75.5	77.7	66.8
TEXTILE MILL PRODUCTS	22	2.29	103.7	105.0	105.7	103.5	100.9	100.3	97.1	94.7	93.6	98.5	99.4	99.0	100.0	101.1
Fabrics	221-4	.77	99.3	99.8	103.0	97.8	95.3	94.9	89.3	89.8	90.3	89.3	91.0	93.0	95.4	94.9
Cotton fabrics	221	.28	101.7	99.7	103.9	100.8	97.8	97.3	93.2	94.9	97.8	98.2	97.4	100.9	104.3	103.8
Man-made fabrics	222	.40	99.1	101.6	105.1	97.1	94.7	93.8	86.3	86.7	85.6	83.8	87.6	88.7	90.8	90.8
Knit goods	225	.55	100.4	103.2	102.8	97.7	98.1	96.8	97.9	97.9	95.4	97.5	100.4	96.6	99.6	101.0
Hosiery	2251,2	.12	143.0	149.9	148.8	129.8	135.5	139.1	131.8	148.0	147.4	141.3	149.8	134.0	137.9	
Knit garments	2253,4,7-9	.43	88.2	89.8	89.6	88.5	87.4	84.6	88.1	83.6	80.5	85.0	86.2	86.0	88.7	88.2
Fabric finishing	226	.20	87.6	87.3	85.5	89.2	85.6	84.2	81.6	79.4	81.9	79.7	79.8	81.2	77.1	77.1
Carpeting	227	.22	127.4	134.9	138.5	129.8	131.6	127.0	115.7	103.3	111.4	129.4	137.2	141.6	141.6	149.9
Yarns & misc. text.	228,9	.55	109.8	105.8	106.3	114.1	102.1	108.9	103.1	101.7	102.6	105.5	101.4	99.0	105.2	96.6
APPAREL PRODUCTS	23	2.79	102.8	102.9	102.3	101.3	100.1	100.5	101.1	102.5	102.6	103.1	101.3	100.2	100.1	99.5
LUMBER AND PRODUCTS	24	2.30	109.1	109.8	107.9	109.4	110.4	110.2	109.5	109.4	109.2	109.1	109.5	110.9	112.2	
Logging and lumber	241,2	1.05	97.2	101.3	94.2	94.3	102.2	97.7	97.5	96.5	97.4	94.8	100.2	100.6	99.0	
Lumber products	243-5,9	1.25	119.0	117.9	121.0	121.1	118.9	122.4	119.7	117.8	118.8	117.6	117.9	120.6	122.2	
Millwork & plywood	243	.67	129.5	127.7	133.5	132.0	129.0	135.2	132.3	129.3	133.7	129.2	129.1	134.7	137.8	
Manufactured homes	245	.25	103.7	102.1	103.9	105.6	104.6	105.0	103.5	103.1	96.8	98.8	101.8	99.2	100.0	98.1
FURNITURE AND FIXTURES	25	1.27	136.7	138.6	139.4	140.0	140.9	139.9	139.8	138.0	136.5	139.0	139.2	141.0	142.0	141.9
Household furniture	251	.74	114.7	114.7	114.9	117.0	116.5	116.0	117.1	115.5	110.1	111.6	111.1	112.1	111.6	112.7
Fixt., office furn.	252,4,9	.47	173.0	179.9	170.9	182.7	180.1	183.7	180.0	176.0	178.1	182.5	181.4	182.4	193.0	188.7
PAPER AND PRODUCTS	26	3.15	127.3	127.2	128.2	128.2	128.9	127.6	127.7	128.8	128.3	126.4	126.9	125.1	124.1	127.1
Pulp and paper	261-3	1.33	122.4	123.5	128.7	121.4	125.1	120.8	118.4	125.3	120.4	119.1	113.9	116.2	118.6	
Wood pulp	261	.44														

Table 4B

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1977 = 100

Series	SIC Code	1977	1984	1984							1985					
		Pro- por- tion	Ann. Avg.	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
METAL MINING	10	.50	77.0	86.9	79.9	72.8	74.9	76.4	71.6	62.9	65.1	74.0	83.6	82.0	86.4	83.9
Iron ore	101	.15	92.1	121.2	111.1	86.0	87.0	94.0	72.0	42.5	53.8	72.8	100.1	107.6	121.2	115.2
Nonferrous ores	102-6,8,9	.35	70.6	72.4	66.6	67.2	69.8	68.8	71.4	71.6	69.9	74.6	76.5	71.1	71.6	
Copper ore	1021	.15	78.6	84.7	76.0	73.8	78.9	78.3	79.6	76.7	77.0	81.3	86.5	80.8	83.6	
Lead and zinc ores	103	.05	60.3	41.0	55.1	48.8	43.7	53.9	52.0	55.8	62.9	75.0	76.0	72.2	68.4	
Gold and silver ores	104	.02	146.4	163.9	149.0	142.8	153.7	143.4	138.6	145.8	124.6	139.7	146.3	132.0	132.4	
Ferroalloy ores	106	.04	92.9	102.0	86.8	102.8	109.5	102.6	112.8	119.6	102.5	108.4	115.3	98.6	97.7	
ANTHRACITE	11	.02	77.9	78.1	76.9	88.2	89.1	76.1	75.7	61.8	57.4	65.4	73.4	64.5	63.4	68.3
BITUMINOUS	12	1.58	128.1	137.8	127.1	145.9	148.6	112.3	111.7	108.7	111.0	126.3	142.1	128.1	126.0	135.8
OIL AND GAS EXTRACTION	13	7.07	109.1	107.5	108.3	108.5	108.1	110.0	112.4	114.0	113.3	110.5	107.1	104.2	104.6	104.2
Crude oil & natural gas	131	5.62	99.9	98.9	99.2	98.8	98.1	99.5	100.5	101.4	103.7	103.4	101.9	99.2	99.5	99.3
Crude oil, total		3.46	106.1	105.9	106.2	106.4	106.1	107.2	107.2	106.4	108.2	108.2	108.8	107.4	108.9	108.3
Texas crude		1.34	79.3	79.3	78.8	78.5	78.9	78.5	78.9	78.4	77.1	76.4	76.9	78.1	79.2	78.7
Alaska, Calif. crude		.57	201.8	203.9	203.8	201.7	201.2	201.2	200.9	199.5	205.8	207.3	208.6	205.0	207.9	206.7
La. and other crude		1.54	93.9	92.7	93.9	95.3	94.5	97.3	97.0	96.3	98.9	98.9	99.5	96.7	98.0	97.4
Natural gas		2.16	89.9	87.6	87.9	86.7	85.2	87.0	89.7	93.3	96.6	95.7	90.8	86.0	84.4	84.9
Natural gas liquids	132	.47	99.9	98.8	101.8	102.5	102.4	100.9	101.9	100.0	99.2	98.7	98.1	97.4	100.5	
Propane		.05	103.4	101.0	101.6	102.9	104.3	103.9	109.2	107.0	108.0	106.3	104.5	102.3	94.7	
Liquefied petroleum		.42	99.5	98.5	101.8	102.4	102.1	100.6	101.0	99.2	98.2	97.9	97.4	96.9	101.1	
Oil & gas well drilling	138	.99	165.5	160.3	163.0	166.2	167.5	173.6	184.3	191.4	174.1	156.3	140.6	135.8	135.8	136.1
FOODS	20	7.96	127.1	129.9	129.3	134.1	136.6	136.5	129.0	125.8	122.2	123.9	124.5	126.0	128.6	134.2
Meat products	201	1.06	116.3	116.2	110.2	117.7	119.2	127.3	119.0	113.6	117.0	114.6	117.3	120.0	120.2	118.1
Beef		.43	93.5	96.8	92.5	96.8	97.0	100.1	91.9	89.3	94.8	92.2	90.6	92.5	95.8	96.5
Pork		.25	112.8	108.2	95.3	103.4	111.3	124.1	121.6	114.1	112.7	110.5	115.3	118.0	116.0	110.0
Poultry		.20	135.5	142.7	139.8	148.7	141.6	153.6	134.2	126.0	132.1	130.1	134.1	143.5	143.1	146.3
Misc. meats		.18	155.3	145.0	141.1	153.5	159.2	168.3	164.4	158.5	160.4	157.9	166.1	163.1	158.5	150.2
Dairy products	202	.80	118.6	131.4	122.5	116.0	112.5	109.5	108.4	110.5	112.4	118.7	123.5	132.1	136.9	141.7
Butter	2021	.01	102.9	90.0	79.9	74.4	80.9	91.1	89.0	109.1	124.8	128.8	120.1	121.6	119.0	114.0
Cheese	2022	.13	139.3	152.1	136.0	129.2	126.6	132.4	134.7	137.5	137.0	137.9	144.3	153.6	158.3	159.9
Concentrated milk	2023	.11	118.4	140.3	126.2	106.8	97.1	95.6	94.9	108.4	110.9	123.1	128.6	151.6	154.7	166.8
Frozen desserts	2024	.09	132.4	170.0	164.0	154.5	143.1	118.5	108.9	99.9	100.0	115.5	135.0	141.3	155.0	177.0
Canned and frozen food	203	1.09	142.4	141.8	148.2	160.1	173.8	176.6	144.4	134.5	128.2	137.7	137.2	132.6	134.2	145.3
Grain mill products	204	.94	127.1	126.3	125.2	131.6	131.6	131.8	131.2	130.3	127.7	128.5	126.6	127.5	128.3	133.2
Flour	2041	.12	105.3	106.0	95.3	104.1	112.4	105.6	105.5	104.5	103.0	119.1	116.9	104.9	106.7	111.2
Bakery products	205	1.00	123.4	131.2	136.6	137.4	138.0	128.0	122.7	117.7	115.8	114.4	116.4	121.7	124.4	134.1
Beverages	208	1.41	126.6	138.7	135.5	138.2	140.0	127.9	120.2	114.6	115.1	116.5	120.2	124.9	128.2	136.8
Beer and ale	2082,3	.38	112.8	132.1	133.9	118.3	109.0	101.8	91.5	92.2	104.2	110.5	119.9	125.9	126.8	
Wine and brandy	2084	.07	138.8	153.2	111.8	146.9	149.5	152.7	147.7	137.3	113.6	140.4	150.0			
Soft drinks	2086,7	.79	138.6	147.8	152.1	155.8	162.3	141.1	136.1	129.9	127.6	122.5	123.3	129.4	135.0	144.8
Liquor	2085	.16	96.1	104.5	70.0	96.5	101.6	115.0	99.7	83.9	81.1	91.0	93.3	91.0		
Fats and oils	207	.27	114.0	108.9	99.8	103.2	106.3	124.1	124.5	125.1	121.2	126.5	118.8	119.0	122.2	120.0
Coffee & misc. foods	209	.79	141.1	139.8	144.6	152.3	150.4	144.9	143.0	150.0	137.3	141.3	140.8	139.8	145.9	147.3
TOBACCO PRODUCTS	21	.62	100.7	112.4	89.3	105.6	105.2	111.4	102.9	81.9	99.3	108.7	107.6	94.2	89.5	
Cigarettes	211	.54	100.5	113.5	88.4	104.1	105.4	112.0	103.0	80.5	99.6	109.7	109.0	94.3	89.1	
Cigars	212	.02	78.6	85.9	64.9	81.7	86.8	88.5	75.6	59.1	78.3	79.2	79.8	74.6	79.8	
TEXTILE MILL PRODUCTS	22	2.29	103.7	108.8	95.4	108.4	104.6	106.7	97.1	86.0	89.8	98.2	100.7	100.7	103.8	104.7
Fabrics	221-4	.77	99.1	100.9	88.6	100.0	96.6	100.0	90.0	78.9	90.5	93.5	94.7	95.3	98.5	96.1
Cotton fabrics	221	.28	101.7	100.0	88.1	103.6	98.7	104.1	94.7	82.0	97.6	102.6	102.2	103.4	108.6	104.1
Man-made fabrics	222	.40	99.1	102.6	89.2	99.1	95.7	99.0	87.0	74.8	87.2	88.6	91.3	91.3	93.9	91.7
Knit goods	225	.55	100.4	111.5	105.5	108.4	106.8	100.3	95.5	87.7	82.6	93.6	96.4	96.6	100.1	109.1
Hosiery	2251,2	.12	143.0	152.3	158.0	129.6	134.8	138.4	127.1	129.3	134.9	145.1	154.6	147.7	140.3	
Knit garments	2253,4,7-9	.43	88.2	99.8	90.5	102.3	98.8	89.5	86.5	75.8	67.7	78.8	79.8	82.0	88.6	98.0
Fabric finishing	226	.20	87.6	90.7	64.1	90.8	86.3	89.6	84.0	74.8	80.5	82.8	85.1	83.8	79.2	80.1
Carpeting	227	.22	127.4	136.1	129.5	121.0	139.3	143.4	124.8	100.6	96.9	119.0	141.5	150.5	141.3	151.0
Yarns & misc. text.	228,9	.55	109.8	112.9	92.5	121.3	106.4	113.7	102.2	92.2	96.6	106.8	102.8	99.0	108.9	103.0
APPAREL PRODUCTS	23	2.79	102.8	106.6	99.6	105.9	104.6	102.9	100.6	100.1	97.4	101.2	100.6	98.5	99.4	102.5
LUMBER AND PRODUCTS	24	2.30	109.1	115.3	106.5	115.1	116.5	115.7	107.3	98.8	100.9	106.7	109.7	112.4	113.1	
Logging and lumber	241,2	1.05	97.2	105.5	94.4	101.6	108.5	103.6	95.1	86.4	88.0	96.2	98.2	100.4	98.8	
Lumber products	243-5,9	1.25	119.0	123.4	116.6	126.4	123.1	125.7	117.4	109.2	111.6	115.6	119.3	122.4	125.0	
Millwork & plywood	243	.67	129.5	130.9	128.1	137.2	133.0	138.8	131.6	124.9	130.1	127.1	129.3	133.1	138.7	
Manufactured homes	245	.25	103.7	121.2	102.4	119.8	112.1	110.8	91.5	72.9	74.7	90.9	105.8	110.4	113.0	116.4
FURNITURE AND FIXTURES	25	1.27	136.7	139.1	126.8	145.1	145.5	144.6	140.5	137.1	132.8	146.2	140.6	138.6	137.1	142.4
Household furniture	251	.74	114.7	116.8	102.5	120.4	121.3	117.9	116.8	113.4	104.9	118.9	113.8	112.7	108.3	114.7
Fixt., office furn.	252,4,9	.47	173.0	176.2	165.3	186.5	186.0	188.7	178.7	174.5	176.8	190.9	183.9	179.9	182.8	184.8
PAPER AND PRODUCTS	26	3.15	127.3	129.6	121.6	127.4	129.5	130.8	125.6	117.8	127.2	131.3	132.4	127.8	125.7	129.5
Pulp and paper	261-3	1.33	122.4	125.7	118.4	122.6	124.4	122.9	120.3	110.9	119.6	125.1	125.9	117.0	118.7	120.7
Wood pulp	261	.44	118.3</													

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1977 = 100

Series	SIC Code	1977	1984	1984								1985					
		Pro- por- tion	Ann. Avg.	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
PRINTING & PUBLISHING	27	4.54	147.9	149.4	152.3	151.5	148.8	149.5	153.5	151.2	150.4	150.3	152.6	154.2	156.7	157.7	
Newspapers	271	1.35	129.5	130.3	134.7	136.9	132.4	128.1	133.7	128.2	129.2	130.6	132.1	128.8	133.5	137.7	
Periodicals, books, cards	272,3,7	1.24	147.3	153.6	155.7	151.7	144.9	148.0	152.4	149.0	149.6	147.7	150.8	153.0	159.3	160.1	
Job printing	274-6,8,9	1.95	161.0	160.5	165.0	162.3	159.2	165.9	168.7	168.1	165.3	166.4	167.4	172.6	174.5	170.7	
CHEMICALS & PRODUCTS	28	8.05	121.7	122.1	122.9	122.0	124.2	123.5	124.3	123.4	125.7	125.8	126.5	125.8	127.6	128.2	
Chemicals & syn. mat.	281,2,6	3.86	114.8	115.6	113.7	116.0	115.6	116.0	116.2	113.7	117.7	118.7	117.1	118.0	118.4	119.2	
Basic chemicals	281	.92	99.3	101.6	96.9	98.9	99.3	98.1	99.5	96.5	100.2	100.7	97.9	99.1	101.7	99.9	
Alkalies & chlorine	2812	.12	99.4	104.1	97.6	97.3	101.7	91.2	94.4	93.5	99.7	98.5	103.6	102.6	101.6	101.0	
Industrial gases	2813	.10	114.8	116.0	114.1	112.0	111.5	112.6	115.5	112.5	116.4	117.9	115.5	118.4	117.3	116.3	
Inorganic pigments	2816	.08	93.1	100.6	97.2	87.6	95.6	85.5	104.0	91.3	93.3	82.8	87.6	86.3	87.7	95.2	
Inorganic chem, nec	2819	.62	97.4	98.8	93.8	98.3	97.2	98.5	97.0	94.9	98.4	100.6	95.2	96.9	100.9	97.5	
Acids & other chem.		.40	96.5	97.3	91.3	98.6	96.0	98.7	96.3	93.1	97.6	100.9	91.8	91.0	97.1	95.6	
Synthetic materials	282	1.11	140.3	142.7	138.9	142.9	141.4	141.6	142.2	133.9	141.3	145.8	143.7	147.2	147.0	151.5	
Plastics materials	2821	.59	179.8	180.5	176.0	183.9	183.6	182.6	182.8	178.1	184.0	191.0	188.1	191.8	192.3		
Synthetic rubber	2822	.08	107.6	122.1	111.7	117.7	107.0	102.7	91.6	85.2	100.9	105.7	104.5	101.7	94.7		
Man-made fibers	2823,4	.44	94.1	96.5	94.8	93.2	91.8	94.5	97.8	84.2	92.1	93.3	92.0	96.5	96.5	91.8	
Chemical products	283-5,9	3.65	132.5	132.8	135.7	131.0	134.9	135.5	137.7	138.3	137.2	136.7	138.3	138.4	141.6	143.8	
Drugs & medicines	2831	1.41	119.1	121.3	120.4	120.4	119.7	119.3	121.7	119.3	119.9	116.4	121.1	118.4	122.9	123.9	
Soap & toiletries	284	1.34	156.7	155.2	163.3	149.9	162.1	165.6	169.0	168.1	168.9	169.9	168.9	172.1	175.9	181.6	
Paints	285	.40	102.6	102.1	103.7	100.5	102.9	100.3	100.4	109.7	100.2	99.6	107.6	103.7	101.5	100.9	
Agricultural chemicals	287	.54	98.2	98.2	101.0	102.2	106.0	103.0	103.0	98.5	99.9	98.9	98.5	97.9	99.4	98.4	
PETROLEUM PRODUCTS	29	2.40	87.4	88.4	87.0	87.5	85.7	85.4	86.2	84.7	84.1	84.0	84.7	87.3	87.3	85.3	
Petroleum refining	291,9	2.21	85.8	87.5	85.9	85.9	84.1	84.2	84.8	82.6	80.8	83.4	83.6	86.6	86.8	84.7	
Automotive gasoline		.96	91.9	91.0	89.4	89.7	90.6	92.0	93.8	89.1	85.1	87.9	89.8	93.4	94.6	92.5	
Distillate fuel oil		.43	81.8	86.9	82.2	82.7	79.6	79.2	79.8	78.6	78.7	79.0	76.7	82.9	83.6	79.5	
Residual fuel oil		.15	51.0	49.7	48.6	49.1	48.9	52.7	52.0	55.2	53.0	55.8	55.6	51.1	46.6	43.0	
Aviation fuel & keros.		.18	106.5	107.3	110.4	116.0	110.1	114.2	106.5	111.0	104.2	109.7	106.0	106.2	101.5	103.8	
Misc. petroleum prod.		.48	80.5	85.8	85.1	81.9	76.9	72.0	73.5	71.5	74.5	77.6	78.2	80.6	81.3		
Refinery fuel, nec		.09	105.2	107.9	103.2	101.3	102.0	104.3	103.3	98.2	94.7	97.6	102.7	110.8	108.6		
Refinery nonfuel mat.		.26	66.0	73.9	71.9	65.3	58.4	53.4	54.1	54.9	61.6	66.9	63.8	62.8	63.4		
Refinery products, nec		.13	92.4	94.3	98.8	101.6	96.4	86.8	91.8	86.4	86.1	85.2	89.9	95.1	98.0		
RUBBER & PLASTICS PROD.	30	2.80	143.2	144.9	146.0	144.5	144.1	146.0	146.6	146.6	145.9	145.7	144.1	144.9	144.5	144.9	
Tires	301	.62	112.3	127.2	122.6	115.3	117.3	111.3	113.1	114.2	115.8	111.1	111.3	108.4	106.5		
Rub.prod.ex.tires	302-4,6	.51	117.3	118.0	121.4	117.0	117.6	119.7	119.0	117.3	116.2	116.4	117.1	116.7	119.2	123.2	
Plastics products, nec	307	1.67	162.7	161.3	162.4	164.3	162.0	167.6	166.3	167.2	168.8	166.8	165.9	165.6	167.2	166.8	
LEATHER AND PRODUCTS	31	.53	76.7	77.3	77.0	74.2	73.4	70.9	71.5	71.4	69.1	69.2	69.4	69.9	71.0	70.5	
Pers. leather gds	313,5-7	.16	91.3	92.8	95.8	90.3	91.0	88.4	86.2	86.8	86.6	85.7	85.1	86.5	85.2	84.0	
Shoes	314	.29	70.9	70.9	69.8	67.9	63.9	60.6	63.6	64.5	61.2	61.5	61.6	62.9	64.1	65.0	
CLAY, GLASS & STONE PROD.	32	2.72	112.3	112.5	113.8	113.7	112.6	113.3	113.6	111.8	112.7	110.5	111.4	114.5	116.3	116.5	
Pressed & blown glass	322	.51	106.3	107.2	109.9	108.8	106.4	108.1	107.1	103.0	102.5	102.4	97.1	98.9	110.7	114.9	
Glass containers	3221	.30	93.1	94.5	99.7	99.0	92.1	93.0	90.5	85.2	88.1	87.8	78.1	81.8	100.5	106.3	
Cement	324	.24	102.1	101.1	102.4	104.0	100.0	98.3	102.2	98.3	106.8	102.7	108.3	113.6	111.9	104.5	
Structural clay prod.	325	.15	98.4	102.7	96.7	94.0	103.1	96.2	101.9	103.3	98.4	95.7	106.0	104.1	102.5	107.2	
Brick	3251	.07	83.1	84.3	82.6	86.5	89.9	85.2	82.8	80.5	91.5	86.1	82.3	86.3	89.0	85.3	
Clay sewer pipe	3259	.02	36.1	42.9	48.4	35.8	42.2	37.7	35.0	31.9	34.7	34.0	41.8	42.3	42.8	43.6	
Clay tile	3253,5	.07	130.8	137.7	124.0	117.6	133.1	123.3	139.4	145.8	122.6	122.2	147.4	138.8	132.4	146.5	
Concrete and misc.	326-9	1.55	117.4	117.2	119.6	119.8	115.2	119.5	120.5	117.5	117.6	115.7	115.3	120.3	121.7	122.2	
PRIMARY METALS	33	5.33	82.4	80.4	80.6	84.0	82.9	81.3	80.9	78.4	81.7	80.2	81.8	81.4	76.6	78.3	
Iron and steel	331,2	3.49	73.5	71.0	69.0	74.6	73.6	71.0	71.1	68.9	71.0	68.5	73.2	71.9	65.4	68.1	
Basic st. & mill prod.	331	2.60	75.9	77.1	69.7	73.8	73.7	68.3	69.7	69.5	73.7	73.7	79.1	71.7	69.8	73.4	
Basic iron and steel		1.11	67.3	70.0	66.7	64.1	60.8	61.0	61.7	56.7	63.4	65.6	66.2	65.9	64.4	63.5	
Pig iron		.42	63.5	63.4	61.9	59.4	54.2	56.4	60.7	55.0	60.1	64.1	64.6	64.5	61.4	59.7	
Raw steel		.51	73.9	78.1	74.5	70.0	67.7	67.4	65.2	59.7	69.2	70.5	71.6	71.8	71.2	70.7	
Steel mill products		1.49	82.2	82.2	71.7	80.9	83.1	73.6	75.6	79.0	81.2	79.7	86.6	76.0	73.8	80.8	
Consumer dur. steel		.38	62.1	63.7	57.6	66.9	67.5	55.8	56.5	59.2	65.9	61.9	69.6	59.9	56.8	63.9	
Equipment steel		.36	55.6	56.9	48.7	56.8	56.1	51.0	50.5	48.7	48.2	47.0	53.6	47.9	44.1	46.7	
Construction steel		.19	75.3	76.1	64.6	73.4	74.4	67.7	68.1	73.3	77.4	74.6	88.0	68.0	72.9	79.1	
Can & closure steel		.10	65.7	66.8	59.0	66.9	70.5	54.5	58.1	81.1	56.3	54.7	57.6	61.2	62.0	65.8	
Misc. steel		.46	125.8	122.8	106.9	117.3	123.2	112.3	117.6	120.7	126.5	127.1	138.4	117.7	113.9	125.2	
Iron & steel foundries	332	.89	66.7	69.4	69.0	72.7	69.3	68.7	62.5	59.6	59.4	60.9	61.5	73.3	62.5	67.2	
Nonferrous metals	333-6,9	1.85	99.3	98.2	102.7	101.9	100.6	100.6	99.5	96.3	102.0	102.2	98.1	99.3	97.8	97.7	
Primary nonf. metals	333	.51	94.6	98.3	103.3	97.7	91.0	96.7	89.2	91.0	93.3	94.2	92.6	93.6	91.8	90.7	
Copper	3331	.13	90.2	98.8	120.6	108.2	91.2	103.0	86.0	86.9	88.9	86.7	79.8	91.3	90.0	88.0	
Aluminum	3334	.28	99.3	103.8	100.5	99.1	97.6	96.7	95.6	95.4	93.7	91.0	88.1	87.4	86.4	85.4	
Secondary nonf. mtl.	334	.11	78.3	78.4	85.8	80.7	80.6	78.4	71.0	70.9	71.4	72.8	70.3	69.9	68.9		
Nonferrous products	335,6	1.12	103.0	103.0	106.7	103.6	104.6	104.5	105.2	100.9	105.2	107.5	102.6	106.2	105.0	107.5	
Nonf. mill products	335	.84	98.0	96.5	99.9	97.2	98.2	99.9	101.2	95.9	99.2	103.5</					

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1977 = 100

Series	SIC Code	1977	1984	1984							1985					
		Pro- por- tion	Ann. Avg.	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
PRINTING & PUBLISHING	27	4.54	147.9	150.9	160.0	165.9	162.9	157.0	152.6	144.1	137.7	144.0	145.4	147.8	152.2	159.3
Newspapers	271	1.35	129.5	127.1	121.1	128.0	132.9	137.4	145.0	133.4	118.4	129.1	134.5	134.3	136.7	134.2
Periodicals, books, cards	272,3,7	1.24	147.3	153.6	168.5	171.8	162.8	152.0	146.1	138.7	139.7	142.5	143.6	145.3	150.0	160.1
Job printing	274-6,8,9	1.95	161.0	165.8	181.5	188.4	183.9	173.7	162.1	155.0	149.7	155.2	154.1	158.7	164.3	176.2
CHEMICALS & PRODUCTS	28	8.05	121.7	126.1	124.1	123.9	128.9	125.6	123.3	119.2	119.9	123.9	125.5	125.3	127.6	132.4
Chemicals & syn. mat.	281,2,6	3.86	114.8	117.1	110.4	112.5	116.6	116.1	116.8	113.1	115.1	120.5	119.6	120.1	118.7	120.8
Basic chemicals	281	.92	99.3	103.7	93.1	95.9	100.9	98.2	100.5	96.4	95.9	103.5	99.5	101.0	101.6	101.9
Alkalies & chlorine	2812	.12	99.4	106.0	97.3	95.9	101.7	92.5	97.1	97.1	92.2	100.7	98.9	104.8	100.9	102.8
Industrial Gases	2813	.10	114.8	115.9	112.3	110.6	112.4	114.1	117.1	110.0	112.3	120.4	116.2	119.7	118.5	116.2
Inorganic pigments	2816	.08	93.1	106.9	91.0	82.4	102.4	85.0	101.5	82.4	83.3	89.3	89.5	94.4	90.5	101.1
Inorganic chem, nec	2819	.62	97.4	100.7	89.3	95.1	98.4	98.2	98.1	95.6	95.5	103.1	98.1	98.0	100.3	99.4
Acids & other chem.		.40	96.5	100.6	84.2	93.7	98.2	97.5	97.9	93.8	93.2	106.1	96.1	92.9	95.5	98.8
Synthetic materials	282	1.11	140.3	145.0	131.1	135.4	142.5	142.4	142.2	130.9	136.2	151.2	151.2	152.4	148.3	154.3
Plastics materials	2821	.59	179.8	185.4	166.7	174.3	186.1	183.9	181.6	171.9	173.7	196.5	200.3	200.2	195.6	
Synthetic rubber	2822	.08	107.6	113.5	101.9	106.9	107.2	107.9	98.3	88.7	102.2	107.7	109.9	103.5	93.1	
Man-made fibers	2823,4	.44	94.1	97.4	89.5	89.2	91.2	93.8	98.1	84.3	92.8	99.3	93.7	98.0	95.9	92.7
Chemical products	283-5,9	3.65	132.5	140.0	142.9	139.7	145.7	139.2	133.0	128.6	128.2	131.3	135.2	134.0	139.2	151.0
Drugs & medicines	283	1.41	119.1	130.2	132.3	130.8	133.0	123.9	117.1	111.6	109.6	107.9	112.5	113.2	118.5	133.0
Soap & toiletries	284	1.34	156.7	157.7	169.2	159.9	175.1	170.8	166.6	159.7	159.7	166.6	167.7	162.9	169.9	184.6
Paints	285	.40	102.6	125.4	110.0	111.7	108.0	97.2	81.2	78.0	83.8	95.3	112.1	112.6	115.9	122.6
Agricultural chemicals	287	.54	98.2	97.7	95.9	98.8	103.1	101.9	104.0	99.8	98.0	99.0	102.4	104.0	100.9	97.9
PETROLEUM PRODUCTS	29	2.40	87.4	92.1	90.7	90.1	89.4	86.7	89.0	85.8	78.9	79.6	79.6	83.7	86.9	88.9
Petroleum refining	291,9	2.21	85.8	90.2	88.3	87.7	87.4	84.4	86.9	84.8	79.0	79.8	79.3	83.0	85.9	87.5
Automotive gasoline		.96	91.9	94.1	92.2	91.5	93.1	91.0	95.4	92.6	83.7	83.9	85.9	89.9	92.9	95.7
Distillate fuel oil		.43	81.8	87.7	83.3	81.6	83.0	82.0	85.9	85.4	79.5	75.9	68.4	75.4	81.3	80.2
Residual fuel oil		.15	51.0	48.0	45.2	46.1	49.2	52.1	53.4	60.2	56.6	58.9	54.5	50.7	44.5	41.5
Aviation fuel & keros.		.18	106.5	105.6	110.0	113.4	110.6	111.6	109.6	111.4	105.1	110.8	109.3	104.3	100.7	102.1
Misc. petroleum prod.		.48	80.5	92.5	90.5	89.5	83.4	73.8	72.9	66.4	66.7	70.5	72.8	78.5	83.7	
Refinery fuel, nec		.09	105.2	113.7	107.2	104.2	105.7	101.2	103.1	98.4	92.0	94.8	99.6	106.8	108.0	
Refinery nonfuel mat.		.26	66.0	75.0	70.4	65.4	58.7	53.3	54.8	54.4	59.1	66.1	64.0	63.9	65.0	
Refinery products, nec		.13	92.4	112.5	118.8	126.7	117.1	95.7	88.4	68.6	64.6	63.0	72.0	87.9	104.0	
RUBBER & PLASTICS PROD.	30	2.80	143.2	149.4	137.4	145.6	149.2	150.4	143.8	137.1	137.7	150.9	149.2	147.7	145.4	149.4
Tires	301	.62	112.3	125.7	101.1	111.3	120.0	119.0	106.9	102.5	116.0	123.2	121.7	116.7	105.5	
Rub.prod.ex.tires	302-4,6	.51	117.3	121.6	113.6	117.0	120.4	122.5	119.9	112.9	109.5	119.3	120.4	117.9	120.2	127.0
Plastics products, nec	307	1.67	162.7	166.8	158.2	167.2	169.1	170.9	165.0	157.4	154.4	170.9	168.2	168.3	167.9	172.6
LEATHER AND PRODUCTS	31	.53	76.7	78.8	66.7	75.5	75.0	74.2	71.2	67.0	68.3	71.8	72.1	70.4	72.7	71.8
Pers. leather gds	313,5-7,9	.16	91.3	95.6	89.0	91.6	93.3	92.5	90.1	87.6	82.6	83.9	85.0	84.1	84.9	86.6
Shoes	314	.29	70.9	71.7	57.4	68.7	66.5	66.3	61.6	56.5	61.0	65.5	65.7	62.8	67.3	65.7
CLAY, GLASS & STONE PROD.	32	2.72	112.3	115.9	114.1	119.3	115.4	119.5	115.7	105.7	104.1	106.0	109.2	114.2	117.5	120.0
Pressed & blown glass	322	.51	106.3	113.1	110.0	114.2	108.4	113.0	104.1	87.4	95.8	104.3	100.4	100.9	111.1	121.4
Glass containers	3221	.30	93.1	102.7	99.3	105.8	91.8	100.0	84.5	62.3	82.6	91.9	82.7	85.3	102.4	115.6
Cement	324	.24	102.1	125.6	120.3	128.4	121.6	118.6	104.1	74.9	59.7	67.7	92.4	112.5	121.0	129.8
Structural clay prod.	325	.15	98.4	105.0	90.8	95.8	107.8	103.6	104.9	96.6	91.4	95.1	104.2	104.2	104.9	109.4
Brick	3251	.07	83.1	89.6	85.1	92.5	95.1	94.2	85.3	75.0	75.9	75.8	78.2	87.8	92.2	90.6
Clay sewer pipe	3259	.02	36.1	42.0	47.2	37.4	45.9	43.5	37.4	26.5	30.2	30.0	42.4	44.8	43.9	42.7
Clay tile	3253,5	.07	130.8	137.7	108.5	115.2	137.4	129.5	143.2	137.7	123.6	132.2	147.2	136.8	134.4	146.5
Concrete and misc.	326-9	1.55	117.4	117.4	117.5	122.7	117.6	123.9	122.6	115.8	113.1	112.9	114.7	120.3	121.0	122.4
PRIMARY METALS	33	5.33	82.4	87.3	76.0	79.0	81.2	79.0	75.2	72.4	78.0	82.6	88.1	87.7	83.1	85.0
Iron and steel	331,2	3.49	73.5	79.2	66.9	69.4	71.3	66.9	63.7	62.0	66.5	70.4	79.7	79.1	73.3	75.9
Basic st. & mill prod.	331	2.60	75.9	81.5	69.1	69.8	71.9	65.6	65.0	66.0	69.7	72.4	83.6	78.8	76.0	77.8
Steel iron and steel		1.11	67.3	72.4	64.8	61.6	58.4	59.3	59.0	54.6	61.9	66.4	71.1	69.9	67.9	65.7
Pig iron		.42	63.5	68.3	62.7	58.8	52.0	54.2	57.2	52.2	57.5	62.5	67.9	67.6	66.0	64.4
Raw steel		.51	73.9	79.4	69.6	65.9	64.5	65.7	62.6	57.2	68.0	73.5	79.2	77.3	74.7	71.9
Steel mill products		1.49	82.2	88.2	72.2	75.7	81.8	70.2	69.4	74.4	75.5	76.8	92.9	85.4	81.9	86.8
Consumer dur. steel		.38	62.1	64.6	53.7	57.9	64.0	56.4	55.3	54.8	67.5	64.2	72.6	66.0	63.3	64.8
Equipment steel		.36	55.6	59.9	46.9	53.4	55.5	48.8	47.3	47.0	45.0	45.4	57.5	53.6	48.3	49.2
Construction steel		.19	75.3	85.3	68.3	73.3	77.8	65.1	64.1	67.4	67.2	66.4	86.8	76.1	79.2	88.7
Can & closure steel		.10	65.7	69.9	62.3	68.8	72.5	48.9	50.1	77.3	56.5	58.1	64.8	59.9	59.8	68.9
Misc. steel		.46	125.8	134.7	110.7	110.3	120.6	104.7	104.5	114.1	113.4	119.9	145.7	135.4	129.3	137.3
Iron & steel foundries	332	.89	66.7	72.6	60.7	68.6	69.8	71.3	60.2	50.6	57.1	64.7	68.2	80.0	65.5	70.3
Nonferrous metals	333-6,9	1.85	99.3	102.6	93.4	97.1	99.9	101.7	97.0	92.0	99.6	105.5	104.1	103.8	101.6	102.1
Primary nonf. metals	333	.51	94.6	97.8	92.8	91.8	88.3	94.6	89.7	89.9	95.9	98.2	96.8	98.1	95.5	89.9
Copper	3331	.13	90.2	99.3	90.6	90.3	81.7	92.5	86.5	86.0	94.3	93.9	92.4	106.5	100.6	88.0
Aluminum	3334	.28	99.3	103.7	99.9	98.3	97.3	96.8	96.1	95.4	93.9	91.4	88.2	87.2	86.9	85.2
Secondary nonf. mtl.	334	.11	78.3	80.1	70.4	78.5	82.0	80.9	76.0	68.4	67.7	77.2	74.2	72.4	68.7	
Nonferrous products	335,6	1.12	103.0	106.5	95.8	101.0	106.1	106.2	101.6	94.2	104.6	111.8	109.8	109.3	107.1	111.1
Nonf. mill products	335	.84	98.0	100.1	94.6	95.8	99.9	99.8	96.6	90.7	97.9</					

Table 4A—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Seasonally adjusted, 1977 = 100

Series	SIC Code	1977	1984	1984							1985					
		Pro- portion	Ann. Avg.	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FABRICATED METAL PRODUCTS	34	6.46	102.8	103.3	103.7	104.1	104.8	104.8	105.4	105.9	106.4	107.6	108.6	109.1	108.4	108.4
Metal containers	341	.52	82.7	82.2	81.4	81.9	80.8	79.7	86.6	85.1	80.6	82.3	83.5	85.0	85.5	85.4
Hardware, tools, cutlery	342	.73	100.6	102.8	103.3	102.4	102.1	101.7	100.2	101.3	100.9	102.9	102.9	103.3	103.9	104.3
Structural metal prod.	344	1.67	101.2	101.2	103.0	103.3	104.7	105.6	105.8	105.8	105.9	106.5	107.4	109.7	110.5	110.7
Fasteners, stamp, etc.	345-7	1.95	104.2	106.3	103.3	106.2	106.0	105.6	104.9	103.9	110.2	111.1	110.8	115.0	111.4	110.1
NONELECTRICAL MACHINERY	35	9.54	142.0	143.7	146.1	147.8	146.5	146.6	145.8	144.6	145.0	144.9	146.5	148.9	149.5	148.5
Engine & farm equip.	351,2	1.48	69.9	69.4	72.5	70.8	67.7	69.0	69.3	68.3	67.2	66.3	66.5	67.1	66.5	63.8
Construct. & allied eq.	353	1.68	76.2	75.5	80.0	79.4	80.3	80.9	80.2	80.6	83.1	80.9	79.4	80.0	80.5	80.9
Metalworking machinery	354	1.24	121.1	123.4	122.2	128.7	123.2	124.7	124.5	124.2	125.7	124.5	121.7	123.9	130.0	129.8
Spec. & genl. ind. eq.	355,6	2.12	99.2	101.1	100.5	103.5	100.8	102.4	101.1	100.6	99.2	99.8	100.2	99.7	100.8	102.2
Office, serv., & misc.	357-9	3.02	253.0	258.7	257.5	261.6	259.6	259.3	262.1	256.4	262.7	264.0	265.7	272.3	272.0	267.2
ELECTRICAL MACHINERY	36	7.15	172.4	171.4	175.3	176.2	176.8	178.4	178.9	180.2	176.0	173.2	173.1	168.9	169.3	169.6
Major elect. eq. & pts	361,2	1.27	96.9	99.9	100.4	100.5	98.1	98.8	99.8	96.9	92.1	91.5	88.2	89.6	87.6	88.7
Household appliances	363	.75	124.1	119.7	130.1	121.6	126.0	126.7	126.7	125.0	120.5	120.4	130.9	120.3	127.5	132.1
Cooking equipment	3631	.11	211.1	179.6	232.0	207.9	190.0	235.0	254.3	210.9	226.7	216.6	280.9	218.0	265.2	252.7
Refrigeration appl.	3632	.17	109.6	107.4	101.1	114.0	130.8	101.7	95.8	89.6	79.2	85.3	88.5	88.1	94.1	106.6
Laundry appliances	3633	.12	118.9	112.5	148.2	107.4	120.8	119.5	110.3	133.9	122.3	128.5	127.1	117.3	118.3	132.4
Misc. appliances	3634-6,9	.35	105.1	108.8	105.2	102.6	105.2	106.6	106.4	111.2	105.6	103.7	104.7	105.5	102.8	106.0
TV and radio sets	365	.44	160.5	147.8	178.4	159.9	154.3	166.5	145.0	150.0	129.7	144.3	155.0	151.2	144.2	148.9
Communication equipment	366	2.01	202.5	200.4	202.8	205.8	210.4	211.5	213.6	218.0	217.2	218.1	219.7	219.8	220.5	220.8
Electronic components	367	1.31	289.2	297.6	303.4	300.3	299.7	302.3	301.9	298.1	296.4	283.8	280.4	265.8	264.6	256.9
TV tubes	3671-3	.13	129.6	112.3	147.3	132.5	107.0	142.7	135.9	109.6	139.9	130.4	125.4	116.9	137.2	
Misc. electrical supp.	369	.70	121.8	122.3	118.9	121.2	122.7	118.7	121.3	122.2	122.7	126.6	126.0	117.6	116.0	121.2
Storage battery, repl.	3691	.13	123.4	134.0	119.7	115.0	124.0	111.0	124.2	121.2	114.3	136.9	128.8	113.0	114.4	136.8
TRANSPORTATION EQUIPMENT	37	9.13	113.6	112.4	114.2	116.2	114.3	113.4	116.0	117.8	120.4	120.5	120.8	120.7	120.9	121.4
Motor vehicles & parts	371	5.25	105.6	104.3	105.4	108.3	104.6	103.1	107.5	109.5	113.0	112.5	111.3	110.9	110.5	110.6
Autos, total		1.82	104.2	103.6	103.1	103.5	95.6	94.8	101.9	109.1	117.0	114.9	115.7	114.7	112.0	110.8
Consumer		1.16	93.2	93.7	92.8	92.7	85.1	84.0	89.7	95.6	102.5	100.7	101.3	100.5	98.1	97.0
Business		.66	123.6	121.1	121.5	122.8	114.1	114.0	123.3	133.1	142.6	140.1	141.0	139.8	136.6	135.0
Trucks and buses		1.03	111.5	107.7	111.7	122.9	117.1	110.3	120.8	112.9	122.5	123.0	117.8	118.4	121.1	121.2
Business vehicles		.41	96.4	89.7	96.6	110.6	106.2	102.2	109.9	99.5	109.3	109.1	102.8	108.7	105.9	104.1
Consumer trucks		.63	121.2	119.3	121.5	130.8	124.1	115.4	127.8	121.5	131.1	132.0	127.5	124.7	130.9	132.3
Truck trailers		.09	172.4	180.5	195.4	188.8	180.7	177.0	165.5	187.1	126.7	128.9	126.1	132.5	129.4	136.7
Motor vehicle parts		2.31	101.5	100.4	100.9	102.4	103.2	103.6	103.7	105.3	105.1	105.1	104.3	103.7	103.9	104.6
Aircraft and parts	372	2.09	129.3	128.5	130.4	129.0	132.3	132.8	131.3	133.5	134.9	135.0	137.8	138.0	139.1	142.6
Ships and boats	373	.66	86.5	87.7	89.3	88.4	85.7	82.9	81.9	85.2	88.4	89.1	90.0	90.4	89.2	89.0
Rail & misc trans eq.	374-6,9	1.11	137.6	134.2	138.8	148.4	143.7	143.7	145.5	149.1	150.0	148.6	150.9	152.0	154.1	156.5
Railroad equipment	374	.27	29.7	25.7	50.3	57.1	32.6	26.1	32.9	37.0	34.7	20.1	23.2	25.3	24.6	23.1
INSTRUMENTS	38	2.66	136.9	138.0	139.4	139.8	140.2	138.6	138.6	138.9	138.7	138.7	139.0	138.5	138.9	139.4
Equipment instr. & pts	381-4	1.52	153.1	153.7	154.0	156.8	155.3	154.2	154.5	155.9	156.4	155.1	156.3	156.3	156.7	156.7
MISC. MANUFACTURES	39	1.46	98.0	96.4	99.7	97.8	95.9	98.6	98.6	97.2	99.0	96.4	96.0	98.3	98.1	97.2
Misc. cons. goods	391,3,4,6	.84	99.6	98.9	100.3	95.2	96.5	103.3	101.2	97.2	102.0	93.9	94.1	94.5	93.6	91.8
Misc. bus. supplies	395,9	.62	96.0	90.0	99.8	99.2	95.4	95.5	99.0	100.2	99.1	99.8	96.6	100.4	102.1	101.9
ELECTRIC UTILITIES	49	4.17	116.8	118.0	116.1	116.8	116.2	116.8	118.7	117.5	118.9	121.9	119.5	119.1	119.5	
Elec. util. generation		1.76	112.5	112.8	110.0	114.5	111.7	113.5	113.2	110.5	118.0	118.4	111.5	116.0	116.0	
Fossil fuel generation		1.41	106.4	107.9	104.0	108.4	104.8	108.2	108.8	103.6	110.7	111.3	105.6	112.0	111.0	
Hydro & nuclear gener.		.35	136.8	132.2	134.3	138.9	139.1	134.5	130.7	137.8	147.3	146.8	134.8	132.2	136.1	
Elec. util. sales		2.41	119.9	121.8	120.4	118.3	119.3	119.1	122.7	122.5	119.5	124.5	125.4	121.3	122.0	
Residential elec.		.95	121.1	122.8	119.9	119.1	118.8	120.7	124.6	121.5	123.0	128.2	126.0	120.2	121.9	
Nonresidential elec.		1.46	119.1	121.1	120.8	117.9	119.7	118.0	121.4	123.2	117.3	122.0	124.9	122.1	122.1	
Industrial elec.		.68	108.6	110.1	109.8	109.8	109.6	105.4	109.2	110.7	105.8	106.5	110.4	108.2	106.5	
Commercial & other elec.		.78	128.2	130.7	130.4	124.9	128.4	129.0	132.1	134.1	127.3	135.6	137.6	134.1	135.7	

Note: Seasonally adjusted industry totals are not aggregated from the seasonally adjusted components, but result from independent seasonal adjustment of the aggregated not seasonally adjusted components.

Table 4B—continued

INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Not seasonally adjusted, 1977 = 100

Series	SIC Code	1977	1984	1984							1985					
		Pro- por- tion	Ann. Avg.	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FABRICATED METAL PRODUCTS	34	6.46	102.8	105.3	102.5	105.3	107.8	106.5	106.2	104.5	102.3	106.9	108.1	108.5	108.1	110.5
Metal containers	3471	.52	82.7	85.8	85.0	85.8	85.5	80.5	84.1	77.9	75.0	81.7	83.1	84.3	85.0	89.2
Hardware, tools, cutlery	3421	.73	100.6	103.5	101.9	103.5	107.0	104.3	101.4	98.8	96.4	104.6	103.4	100.8	101.8	105.1
Structural metal prod.	3441	1.67	101.2	102.7	103.0	105.3	107.5	108.1	108.2	108.6	103.3	102.7	104.7	106.0	108.8	112.3
Fasteners, stamp, etc.	345-71	1.95	104.2	107.8	101.5	106.5	109.0	108.2	105.2	101.3	102.5	112.1	113.9	115.7	110.5	111.6
NONELECTRICAL MACHINERY	35	9.54	142.0	147.1	148.1	153.5	152.3	149.1	144.9	139.8	139.8	144.7	145.5	144.5	146.2	152.1
Engine & farm equip.	351,21	1.48	69.9	70.3	70.0	68.1	68.6	68.6	68.9	69.2	67.2	68.4	68.3	66.8	65.9	64.6
Construct. & allied eq.	3531	1.68	76.2	76.7	78.2	79.3	82.5	81.9	79.8	81.2	79.7	82.8	80.1	79.3	79.0	82.2
Metalworking machinery	3541	1.24	121.1	123.1	121.7	130.4	127.9	127.4	121.5	119.3	120.7	127.0	125.0	125.3	127.1	129.4
Spec. & genl. ind. eq.	355,61	2.12	99.2	102.2	98.2	103.0	102.5	102.5	101.9	100.0	97.3	100.8	101.4	99.5	100.2	103.3
Office, serv., & misc.	357-91	3.02	253.0	265.9	271.5	281.9	277.5	268.0	258.5	243.9	247.0	254.8	259.4	258.6	263.4	274.6
ELECTRICAL MACHINERY	36	7.15	172.4	171.8	170.4	176.0	179.5	184.5	180.0	176.8	173.3	173.8	174.3	168.0	168.9	170.8
Major elect. eq. & pts	361,21	1.27	96.9	102.5	98.4	100.8	101.6	101.4	98.1	92.7	90.3	90.6	89.3	89.3	88.0	91.0
Household appliances	3631	.75	124.1	121.2	113.5	120.2	128.2	146.0	122.0	106.8	119.5	125.9	133.4	126.0	127.5	133.6
Cooking equipment	36311	.11	211.1	181.1	199.1	222.2	193.9	289.1	250.3	189.4	214.3	220.4	259.0	227.7	264.9	254.8
Refrigeration appl.	36321	.17	109.6	118.2	109.1	83.2	124.3	116.4	82.6	62.0	81.3	90.2	99.5	98.5	102.4	117.1
Laundry appliances	36331	.12	118.9	111.6	109.5	116.6	123.3	139.3	102.8	106.4	128.2	139.2	136.4	124.6	117.6	131.2
Misc. appliances	3634-6,91	.35	105.1	106.8	89.8	106.6	110.8	116.7	106.5	101.9	104.6	108.3	108.6	107.4	99.2	104.0
TV and radio sets	3651	.44	160.5	140.9	167.1	180.6	170.6	211.2	170.1	127.9	118.7	135.9	138.4	128.9	142.3	141.6
Communication equipment	3661	2.01	202.5	200.1	200.3	203.0	208.6	211.0	215.8	225.4	218.6	218.1	221.4	217.1	218.1	220.5
Electronic components	3671	1.31	289.2	292.3	290.7	300.0	300.0	303.2	303.3	300.6	295.6	285.4	280.3	266.0	265.9	261.1
TV tubes	3671-31	.13	129.6	112.1	113.3	143.7	115.3	161.6	140.3	89.4	130.0	133.0	126.0	124.7	141.3	
Misc. electrical supp.	3691	.70	121.8	118.0	112.7	121.8	131.7	128.3	128.7	129.2	122.6	119.8	118.3	111.9	111.4	116.8
Storage battery, repl.	36911	.13	123.4	107.6	98.5	126.9	162.2	149.8	150.6	143.1	119.4	115.6	100.3	86.9	89.0	109.9
TRANSPORTATION EQUIPMENT	37	9.13	113.6	116.8	105.5	108.4	113.8	116.7	117.1	115.3	120.2	122.6	125.2	123.6	124.7	127.0
Motor vehicles & parts	3711	5.25	105.6	112.2	93.2	98.1	104.3	108.8	106.4	101.5	112.0	115.4	118.0	116.0	117.0	120.6
Autos, total		1.82	104.2	113.3	83.4	85.1	95.0	107.5	108.8	94.5	117.8	119.6	126.5	123.0	121.5	124.6
Consumer		1.16	93.2	102.5	75.1	76.2	84.6	95.2	95.8	82.8	103.2	104.8	110.9	107.8	106.5	109.2
Business		.66	123.6	132.5	98.3	100.9	113.5	129.3	131.7	115.2	143.6	145.9	154.3	150.0	148.2	151.9
Trucks and buses		1.03	111.5	125.5	91.3	108.7	113.5	117.2	114.9	94.5	114.2	130.7	132.6	128.9	135.4	142.6
Business vehicles		.41	96.4	108.1	83.8	99.5	100.3	103.0	99.6	81.5	100.9	115.5	117.8	121.6	122.9	126.9
Consumer trucks		.63	121.2	136.7	96.1	114.6	122.1	126.3	124.7	102.8	122.9	140.7	142.3	133.6	143.5	152.7
Truck trailers		.09	172.4	185.7	171.9	184.6	182.2	177.3	163.7	186.3	116.5	135.5	139.4	136.7	130.5	140.6
Motor vehicle parts		2.31	101.5	102.4	98.7	100.1	104.4	103.5	103.1	106.8	106.3	104.4	103.8	103.8	104.7	106.8
Aircraft and parts	3721	2.09	129.3	127.4	126.9	123.3	131.6	132.9	133.4	138.4	135.8	137.5	139.4	137.2	138.8	141.3
Ships and boats	3731	.66	86.5	87.2	86.4	85.3	84.9	84.1	84.5	87.3	86.9	89.2	91.2	91.0	89.8	88.4
Rail & misc trans eq.	374-6,91	1.11	137.6	135.7	134.4	142.6	142.2	141.9	146.0	153.4	149.7	148.8	152.8	153.3	154.9	157.8
Railroad equipment	3741	.27	29.7	28.6	47.2	42.8	30.4	25.7	30.9	44.9	35.4	18.8	24.6	26.8	26.1	25.7
INSTRUMENTS	38	2.66	136.9	140.5	140.4	142.0	144.8	140.3	138.7	138.4	135.4	136.5	137.1	135.5	137.5	141.9
Equipment instr. & pts	381-41	1.52	153.1	157.3	157.8	160.8	164.7	156.9	153.1	152.2	150.2	152.5	153.5	151.4	153.9	160.4
MISC. MANUFACTURES	39	1.46	98.0	97.8	100.3	102.7	104.3	102.5	97.9	91.7	93.1	96.2	95.6	95.1	95.1	98.7
Misc. cons. goods	391,3,4,61	.84	99.6	103.4	100.0	101.3	106.0	106.9	98.9	89.7	92.4	92.4	93.5	92.4	92.8	96.0
Misc. bus. supplies	395,91	.62	96.0	90.3	100.8	104.6	102.2	96.6	96.7	94.6	94.2	101.3	98.1	98.8	98.2	102.3
ELECTRIC UTILITIES	491	4.17	116.8	119.5	125.6	127.9	121.3	108.3	112.6	114.8	125.6	132.1	114.1	109.1	108.0	
Elec. util. generation		1.76	112.5	119.3	121.8	126.7	111.1	105.2	108.3	109.9	125.2	120.5	107.0	105.0	108.1	
Fossil fuel generation		1.41	106.4	114.4	117.7	124.3	106.7	103.0	105.1	102.0	116.8	111.4	99.0	98.5	100.7	
Hydro & nuclear gener.		.35	136.8	139.1	138.1	136.1	128.6	114.1	120.9	141.7	159.1	156.9	139.0	131.2	137.7	
Elec. util. sales		2.41	119.9	119.5	128.3	128.8	128.6	110.5	115.8	118.2	125.9	140.6	119.4	112.1	107.8	
Residential elec.		.95	121.1	113.6	129.7	134.2	127.9	102.6	111.2	122.8	141.7	158.4	120.6	106.2	97.0	
Nonresidential elec.		1.46	119.1	123.3	127.4	125.3	129.1	115.7	118.7	115.2	115.7	129.0	118.6	115.9	114.9	
Industrial elec.		.68	108.6	113.5	109.9	111.6	115.2	106.2	109.9	103.6	100.7	112.1	107.4	106.4	105.0	
Commercial & other elec.		.78	128.2	131.8	142.7	137.3	141.3	123.9	126.4	125.4	128.7	143.6	128.2	124.2	123.5	

Note: Seasonally adjusted industry totals are not aggregated from the seasonally adjusted components, but result from independent seasonal adjustment of the aggregated not seasonally adjusted components.

Table 5

INDUSTRIAL PRODUCTION: INDEXES; 1977 = 100

Quarterly averages, seasonally adjusted

SERIES	Quarterly Averages of Monthly Indexes									
	1983				1984				1985	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Industrial production	103.3	106.8	111.7	114.9	119.3	121.5	123.4	123.1	123.8	124.4
Products, total	108.1	111.6	116.4	119.3	123.7	126.4	128.8	129.5	129.9	131.5
Final products	109.1	112.5	117.2	120.0	124.2	127.1	129.5	130.4	130.5	131.9
Consumer goods	103.7	107.6	112.0	113.9	116.8	118.2	118.6	119.3	119.3	120.3
Durable consumer goods	89.1	95.5	102.2	107.6	112.9	112.2	112.9	112.6	113.0	112.2
Automotive products	85.2	92.1	99.6	104.5	111.1	109.9	109.8	108.6	114.9	113.8
Home goods	92.0	98.0	104.2	110.1	114.3	113.9	115.3	115.7	111.6	111.0
Nondurable consumer goods	109.1	112.1	115.6	116.1	118.2	120.4	120.6	121.6	121.6	123.3
Equipment, total	116.1	118.8	124.0	127.9	134.0	138.7	144.0	145.1	145.5	147.3
Business & defense equipment	115.6	118.5	123.3	126.6	133.1	138.0	143.0	144.2	145.7	148.1
Business equipment	109.5	112.5	117.7	121.8	128.7	133.3	138.4	139.1	140.2	142.1
Defense and space equipment	139.1	142.6	145.4	145.4	150.6	156.3	160.8	164.1	167.2	171.8
Intermediate products	104.5	108.6	113.9	117.4	121.9	124.2	126.5	126.9	127.7	130.2
Construction supplies	93.6	97.7	103.7	107.0	112.5	113.7	114.8	115.0	116.3	118.0
Business supplies	113.9	117.9	122.7	126.3	129.9	133.2	136.5	137.1	137.5	139.5
Commercial energy products	108.0	111.0	113.9	113.8	115.3	117.7	118.4	120.7	121.9	
Materials	96.9	100.2	105.3	108.9	113.3	114.8	116.0	114.5	115.4	114.6
Durable goods materials	94.8	100.0	107.1	113.0	119.6	121.9	124.0	123.7	123.6	121.7
Basic metal materials	68.9	73.4	77.5	84.0	87.3	87.8	85.7	84.7	84.2	84.7
Nondurable goods materials	101.1	105.0	108.8	110.1	111.1	111.3	111.6	110.9	110.9	111.0
Textile, paper, & chem materials	100.1	104.6	109.1	110.7	111.7	111.8	112.2	110.7	111.6	
Textile materials	93.2	99.2	105.9	106.1	105.7	103.3	102.3	94.5	92.3	
Pulp and paper materials	112.8	115.7	120.9	123.8	124.9	127.4	127.7	126.2	126.3	
Chemical materials	98.0	102.7	106.3	107.9	109.2	109.3	110.2	110.9	113.2	
Energy materials	97.0	96.7	99.2	100.8	104.0	105.3	105.7	101.3	105.0	105.4
Manufacturing	103.6	107.7	113.2	116.3	120.9	123.4	125.6	125.8	126.0	126.8
Durable	100.2	104.6	110.9	115.2	120.9	123.9	127.1	127.3	127.7	128.1
Nondurable	108.4	112.1	116.3	117.7	120.7	122.4	123.4	123.5	123.6	125.0
Mining and Utilities	101.3	101.5	105.0	107.2	110.4	111.6	112.3	109.3	111.7	111.4
Mining	101.4	100.4	103.4	106.2	109.9	111.7	113.8	108.3	110.1	110.0
Utilities	101.2	103.2	107.4	108.8	111.2	111.4	109.8	111.1	114.2	113.6

Table 6

INDUSTRIAL PRODUCTION: GROSS VALUE OF PRODUCTS

Billions of 1972 dollars at annual rates, seasonally adjusted

SERIES	Billions of 1972 Dollars at Annual Rates													
	1972 Dollars	1984 Ann. Avg.	1984				1985		1985					
			Q1	Q2	Q3	Q4	Q1	Q2	FEB	MAR	APR	MAY	JUN	JUL
Products, total	517.5	745.6	731.8	744.4	749.9	756.4	765.0	775.1	764.2	769.5	773.3	776.0	776.0	775.2
Final products	405.7	593.7	583.1	593.3	596.2	602.5	609.5	616.9	608.7	613.3	616.2	617.5	617.0	615.7
Consumer goods	272.7	356.5	355.6	358.9	353.9	358.2	361.4	365.1	360.9	364.6	364.7	365.8	364.9	366.6
Durable consumer goods	73.2	94.3	95.0	94.4	94.1	93.8	95.9	95.4	95.7	96.8	95.1	95.0	96.2	97.1
Automotive products	38.4	49.3	50.3	49.5	49.1	48.5	52.1	51.5	52.3	52.1	51.4	51.4	51.7	52.5
Home goods	34.8	44.9	44.7	44.8	45.0	45.3	43.8	44.0	43.4	44.6	43.7	43.6	44.5	44.7
Nondurable consumer goods	199.4	262.1	260.5	264.4	259.6	264.1	265.6	269.7	265.2	267.8	269.6	270.8	268.7	269.4
Equipment, total	133.0	237.6	227.8	234.7	242.7	244.8	248.0	251.8	247.8	248.7	251.4	251.7	252.1	249.1
Business & defense equipment	126.0	225.2	215.9	222.6	230.0	232.0	236.5	240.7	236.3	237.6	240.4	240.7	241.1	237.8
Business equipment	99.7	184.7	176.9	182.5	189.0	190.0	193.6	196.8	193.4	194.2	196.9	196.7	196.7	193.6
Defense and space equipment	26.3	40.5	39.0	40.1	40.9	42.0	42.9	44.0	42.9	43.4	43.5	44.0	44.4	44.2
Intermediate products	111.9	151.8	148.5	151.1	153.6	153.9	155.6	158.2	155.5	156.3	157.1	158.4	159.0	159.0
Construction supplies	54.4	63.8	63.1	63.7	64.2	64.2	65.1	66.1	64.6	65.5	65.7	66.1	66.4	66.6
Business supplies	57.5	88.0	85.3	87.4	89.4	89.7	90.5	92.1	90.9	90.8	91.4	92.3	92.6	
Commercial energy products	12.1	15.1	14.5	15.2	15.3	15.5	15.3	16.0	15.5	15.8	15.7	16.2		

Table 7
INDUSTRIAL PRODUCTION: DIFFUSION INDEXES
 Percent of component series higher than in earlier months

	ONE MONTH EARLIER	THREE MONTHS EARLIER	SIX MONTHS EARLIER
1977-84			
AVERAGE	53.5	56.1	57.7
HIGH	76.6	79.4	88.3
LOW	26.4	23.2	23.0
1981			
JUNE	63.3	77.8	80.8
JULY	72.8	77.6	79.0
AUGUST	62.7	79.0	86.9
SEPTEMBER	69.2	78.4	87.7
OCTOBER	62.1	77.2	88.3
NOVEMBER	52.6	71.3	82.1
DECEMBER	60.1	62.1	76.0
1984			
JANUARY	71.8	68.3	79.8
FEBRUARY	63.9	78.0	79.8
MARCH	54.4	72.6	75.4
APRIL	60.9	67.1	74.4
MAY	53.6	61.7	77.2
JUNE	51.6	60.3	75.2
JULY	56.2	60.9	64.7
AUGUST	45.2	55.6	63.5
SEPTEMBER	47.0	49.2	56.9
OCTOBER	48.6	47.6	55.8
NOVEMBER	52.2	51.0	51.6
DECEMBER	55.0	52.0	52.6
1985			
JANUARY	54.2	56.0	49.0
FEBRUARY	54.2	56.5	54.0
MARCH	51.4	57.3	54.0
APRIL	54.2	54.4	55.2
MAY	55.2	55.6	60.7
JUNE	50.6	59.5	59.5

NOTE: THE DIFFUSION INDEXES SHOW THE PERCENT OF THE INDUSTRIAL PRODUCTION INDEX'S 252 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 8
AUTO ASSEMBLIES AT ANNUAL RATES
 Seasonally adjusted

	1984 Ann. Avg.	Millions of Units												
		1984 JUL	AUG	SEP	OCT	NOV	DEC	1985 JAN	FEB	MAR	APR	MAY	JUN	JUL
Autos, total	7.7	7.7	7.7	7.1	7.0	7.5	8.0	8.6	8.4	8.4	8.3	8.1	8.0	8.3

Table 9A
ELECTRIC POWER USE BY INDUSTRIES
 Seasonally adjusted indexes, 1977 = 100

Series	SIC code	1977 (bil. KWH)	Indexes							Percentage change from				Indexes	
			1984 Avg.	1984 Q2	Q3	Q4	1985 Q1	Q2	previous quarter		1985 Q2	1985 MAY	1985 JUN		
									1984 Q3	1985 Q1					
TOTAL	10-14,20-39	785.8	103.1	104.1	103.0	102.1	101.0	100.6	-1.1	-0.9	-1.1	-0.3	-3.4	101.6	99.4
MAJOR INDUSTRY DIVISIONS															
MINING	10-14	59.4	121.5	125.1	125.6	119.0	118.4	126.6	.4	-5.2	-0.5	6.9	1.2	126.6	125.6
MANUFACTURING	20-39	726.4	101.9	102.9	101.3	101.0	99.8	99.0	-1.5	-0.3	-1.1	-0.8	-3.7	99.9	97.9
DURABLE	24,25,32-39	344.3	100.6	101.5	99.7	99.9	98.8	96.1	-1.8	.2	-1.2	-2.7	-5.3	96.3	95.8
NONDURABLE	20-23,26-31	382.1	103.1	104.0	102.9	102.0	100.9	101.7	-1.1	-0.9	-1.0	.7	-2.3	103.3	99.2
INDUSTRY GROUPS AND SERIES															
METAL MINING	10	15.1	109.5	114.1	115.2	105.6	98.6	115.0	1.0	-8.3	-6.6	16.6	.8	117.6	111.3
Iron ore	101	6.1	116.3	126.2	120.9	105.9	100.5	122.7	-4.2	-12.4	-5.1	22.1	-2.8	131.8	113.9
Copper ore	102	5.9	105.7	100.6	101.9	101.0	114.5	107.9	1.3	-0.9	13.4	-5.8	7.3	113.1	102.1
COAL	11,12	10.3	136.3	145.6	144.6	119.9	130.7	137.5	-0.7	-17.1	9.0	5.2	-5.6	139.0	135.5
OIL AND GAS EXTRACTION	13	23.0	127.9	128.4	129.8	130.3	133.0	134.4	1.1	.4	2.0	1.1	4.7	134.9	133.7
Crude oil and natural gas	131	18.2	131.7	132.2	132.7	135.6	137.1	140.0	.4	2.2	1.1	2.1	5.9	140.0	139.8
Natural gas liquids	132	3.4	100.8	103.6	106.3	102.5	101.5	103.0	2.7	-3.6	-1.0	1.5	-0.6	99.3	106.3
STONE AND EARTH MINERALS	14	11.0	110.7	111.1	118.3	108.2	110.1	113.5	6.5	-8.5	1.8	3.0	2.2	111.9	115.1
Crushed stone	142	2.4	149.1	151.5	150.4	148.4	150.4	140.9	-0.7	-1.3	1.4	-6.4	-7.0	141.2	140.4
Sand and gravel	144	2.0	94.3	96.5	93.4	91.0	87.0	92.4	-3.3	-2.5	-4.4	6.1	-4.3	91.1	95.8
Chemical & fertilizer mat.	147	5.0	102.1	101.8	114.7	99.4	102.2	110.6	12.6	-13.3	2.8	8.2	8.6	109.6	112.4
FOODS	20	42.4	116.9	116.7	116.7	117.9	118.3	119.4	.0	1.1	.3	.9	2.3	119.8	119.6
Meat products	201	6.9	110.8	109.1	109.0	113.2	111.5	109.6	-0.1	3.9	-1.6	-1.7	.4	109.5	109.7
Dairy products	202	5.3	117.6	118.7	115.2	117.0	113.5	117.4	-2.9	1.5	-3.0	3.4	-1.1	119.3	117.8
Canned and frozen foods	203	5.7	131.0	129.8	133.7	135.2	132.6	133.0	3.0	1.1	-1.9	.3	2.5	129.2	140.8
Grain mill products	204	7.4	111.2	112.2	109.8	111.5	112.1	112.4	-2.1	1.6	.5	.2	.2	114.0	109.4
Bakery products	205	2.5	129.0	129.2	130.2	129.8	132.0	136.4	.8	-0.3	1.7	3.3	5.6	136.0	135.3
Sugar and confectionery	206	3.3	159.4	161.2	165.2	162.4	164.0	174.2	2.5	-1.7	1.0	6.2	8.1	180.9	170.0
Fats and oils	207	3.4	98.4	95.8	95.9	100.6	107.8	109.2	.1	4.9	7.2	1.3	14.1	111.6	105.0
Beverages	208	4.8	126.4	125.4	128.3	126.6	122.9	123.8	2.3	-1.3	-3.0	.8	-1.2	124.8	123.2
Misc. food preparations	209	3.1	111.5	111.4	111.2	112.4	115.6	116.8	-0.2	1.1	2.9	1.0	4.8	116.4	117.4
TOBACCO PRODUCTS	21	1.3	105.4	107.4	103.7	106.6	107.4	103.1	-3.4	2.8	.8	-4.1	-4.0	104.8	97.5
TEXTILE MILL PRODUCTS	22	28.3	97.0	98.7	96.2	92.1	91.0	92.8	-2.6	-4.3	-1.2	2.0	-6.1	94.2	91.3
Fabrics	221-4	12.1	93.9	95.5	93.0	89.6	88.4	88.6	-2.6	-3.6	-1.3	.2	-7.1	89.8	85.7
Knit goods	225	3.7	80.3	80.6	81.2	76.6	74.7	78.0	.8	-5.8	-2.4	4.3	-3.3	78.8	78.3
Fabric finishing	226	2.2	114.6	112.7	117.7	113.7	107.6	112.7	4.5	-3.4	-5.4	4.8	.1	112.0	116.6
Yarn and thread	228	6.7	105.9	106.6	105.9	99.5	94.5	99.1	-0.7	-6.1	-5.0	4.9	-7.0	101.9	100.3
Miscellaneous textiles	229	2.1	98.0	101.8	97.1	93.5	94.3	94.9	-4.6	-3.7	.9	.6	-6.8	95.7	91.5
APPAREL PRODUCTS	23	6.6	117.4	119.1	116.8	115.5	116.4	119.6	-1.9	-1.2	.8	2.8	.4	121.5	122.0
Men's outerwear	231,2	2.1	113.5	115.3	113.0	111.9	110.8	117.4	-2.0	-1.0	-1.0	5.9	1.9	120.0	120.1
Women's outerwear	233	1.9	112.3	112.6	110.9	112.7	110.3	111.0	-1.5	1.7	-2.2	.7	-1.4	113.5	109.5
LUMBER AND PRODUCTS	24	16.4	118.8	119.3	117.3	117.8	117.1	118.2	-1.7	.4	-0.6	1.0	-0.9	117.4	121.1
Lumber	242	6.9	103.1	102.4	100.1	102.0	98.2	99.4	-2.3	1.9	-3.7	1.3	-2.9	100.7	102.1
Millwork and plywood	243	4.4	127.6	128.0	127.6	127.7	126.1	126.5	-0.3	.1	-1.3	.3	-1.2	121.4	130.8
FURNITURE AND FIXTURES	25	4.2	121.5	120.8	122.3	122.3	120.5	121.4	1.2	.0	-1.5	.7	.5	122.1	122.0
Home furniture	251	2.8	116.1	114.8	116.2	117.1	112.8	113.8	1.2	.8	-3.7	.9	-0.9	113.0	114.1
PAPER AND PRODUCTS	26	71.9	121.2	121.1	121.1	121.9	120.5	117.3	.0	.7	-1.1	-2.6	-3.1	117.8	116.5
Wood pulp	261	5.9	132.7	132.5	133.3	135.0	139.1	126.8	.7	1.2	3.0	-8.9	-4.3	131.8	131.6
Paper	262	34.4	127.6	127.3	127.0	129.4	127.8	124.5	-0.3	1.9	-1.3	-2.6	-2.2	125.1	122.0
Paperboard	263	22.1	112.6	110.4	110.1	108.9	105.7	103.8	-0.3	-1.0	-3.0	-1.8	-5.9	102.5	105.0
Converted paper	264	5.0	119.4	118.1	120.3	121.2	119.1	117.8	1.8	.7	-1.7	-1.2	-0.3	118.0	114.1
Paperboard containers	265	3.4	112.0	112.2	115.6	110.1	110.4	104.0	3.0	-4.7	.2	-5.8	-7.3	105.1	105.7
Building paper and board	266	1.1	146.5	148.2	147.8	145.2	148.6	143.2	-0.3	-1.7	2.3	-3.6	-3.3	143.7	144.9
PRINTING AND PUBLISHING	27	10.6	135.2	134.0	136.5	138.4	138.3	143.1	1.9	1.3	.0	3.5	6.8	144.8	141.9
Newspapers	271	2.6	114.4	113.4	114.8	116.3	118.4	121.8	1.2	1.3	1.8	2.9	7.4	123.2	120.1
Commercial printing	275	4.8	151.6	149.7	152.3	158.0	155.7	162.9	1.8	3.7	-1.4	4.6	8.9	163.4	161.1
CHEMICALS AND PRODUCTS	28	162.1	91.5	93.0	91.8	89.6	87.7	89.9	-1.4	-2.4	-2.1	2.5	-3.4	91.7	86.7
Basic chemicals	281	85.6	80.6	83.2	79.4	78.6	76.6	81.8	-4.6	-1.0	-2.5	6.8	-1.6	84.0	76.2
Alkalies and chlorine	2812	13.3	106.2	109.6	103.9	104.2	92.3	92.6	-5.2	.2	-11.4	.4	-15.5	90.3	94.3
Inorganic chemicals, nec	2819	58.1	66.6	70.3	65.0	63.8	65.1	73.6	-7.5	-1.8	2.0	13.2	4.8	76.8	66.6
Acid and fertilizer mat.	13,0	90.3	91.3	89.4	88.2	87.8	85.4	-2.0	-1.4	-0.4	-2.8	-6.5	83.7	85.0	
Nuclear mats., nondefense	44,6	56.7	61.1	54.7	53.6	56.0	68.3	-10.5	-1.9	4.3	22.1	11.9	74.4	57.7	
Synthetic materials	282	19.3	113.6	111.6	113.9	114.3	112.5	109.0	2.1	.3	-1.5	-3.2	-2.3	108.9	111.1
Plastics materials	2821	9.2	133.6	133.5	129.5	132.9	134.2	124.3	-3.0	2.6	1.0	-7.4	-6.9	124.7	123.5
Drugs	283	4.1	136.1	136.0	137.6	138.6	138.2	140.0	1.2	.7	-0.3	1.3	3.0	146.1	136.5
Soaps and toiletries	284	2.1	113.0	110.3	113.1	117.1	115.6	119.8	2.5	3.5	-1.3	3.7	8.6	120.5	121.6
Industrial organic chem.	286	35.8	106.8	110.3	115.0	95.9	95.6	90.6	4.3	-16.6	-0.4	-5.2	-17.9	90.9	96.2
Farm chemicals	287	10.5	98.6	97.1	100.6	100.8	96.6	94.2	3.6	.2	-4.2	-2.5	-3.1	95.3	93.9

Table 9B

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1977 = 100

Series	SIC code	1977 (bill. KWH)	Indexes							Percentage change from				Indexes	
			1984 Avg.	1984 Q2	Q3	Q4	1985 Q1	Q2	previous quarter		year ago		1985 MAY	1985 JUN	
									1984 Q3	1984 Q4	1985 Q1	1985 Q2			
TOTAL	10-14,20-39	785.8	103.1	105.5	104.7	100.7	99.2	101.9	-0.7	-3.8	-1.5	2.7	-3.4	102.6	102.0
MAJOR INDUSTRY DIVISIONS															
MINING	10-14	59.4	121.5	125.7	120.0	117.7	124.2	127.2	-4.5	-1.9	5.5	2.4	1.2	127.9	124.3
MANUFACTURING	20-39	726.4	101.9	104.1	103.7	99.6	97.6	100.2	-0.4	-4.0	-2.0	2.7	-3.7	100.9	100.6
DURABLE	24,25,32-39	344.3	100.6	103.2	101.3	98.1	97.3	97.7	-1.9	-3.2	-0.8	.4	-5.3	98.0	98.3
NONDURABLE	20-23,26-31	382.1	103.1	105.0	105.9	101.0	97.9	102.6	.8	-4.6	-3.1	4.8	-2.3	103.5	102.6
INDUSTRY GROUPS AND SERIES															
METAL MINING	10	15.1	109.5	122.2	105.5	98.2	106.7	123.2	-13.7	-6.9	8.6	15.5	.9	130.9	115.1
Iron ore	101	6.1	116.3	138.0	111.9	97.1	106.5	134.2	-18.9	-13.2	9.7	26.0	-2.8	147.2	123.4
Copper ore	102	5.9	105.7	107.0	98.3	101.4	110.6	114.9	-8.2	3.2	9.1	3.9	7.3	115.3	109.8
COAL	11,12	10.3	136.3	138.9	124.8	125.3	148.2	131.2	-10.2	.4	18.3	-11.4	-5.5	129.6	124.6
OIL AND GAS EXTRACTION	13	23.0	127.9	127.7	130.5	131.2	132.0	133.7	2.2	.5	.6	1.3	4.7	131.6	135.2
Crude oil and natural gas	131	18.2	131.7	130.5	132.9	136.6	137.7	138.2	1.8	2.8	.8	.4	5.9	136.2	139.1
Natural gas liquids	132	3.4	100.8	106.5	111.9	98.6	97.1	105.8	5.1	-11.9	-1.6	9.0	-0.6	102.6	110.5
STONE AND EARTH MINERALS	14	11.0	110.7	112.7	114.9	111.0	108.8	115.2	2.0	-3.4	-2.0	5.8	2.2	113.7	115.2
Crushed stone	142	2.4	149.1	156.4	157.6	150.8	135.5	145.5	.8	-4.4	-10.1	7.4	-7.0	146.2	146.0
Sand and gravel	144	2.0	94.3	96.2	99.2	96.9	76.1	92.2	3.1	-2.3	-21.4	21.0	-4.2	91.9	98.4
Chemical & fertilizer mat.	147	5.0	102.1	102.1	105.5	101.9	107.3	111.0	3.3	-3.4	5.3	3.4	8.7	109.3	109.1
FOODS	20	42.4	116.9	113.2	125.6	119.5	111.2	115.8	11.0	-4.9	-7.0	4.2	2.3	113.7	122.3
Meat products	201	6.9	110.8	106.6	120.1	112.8	103.0	107.1	12.7	-6.1	-8.6	3.9	.4	105.4	113.8
Dairy products	202	5.3	117.6	118.8	127.6	112.7	105.3	117.5	7.4	-11.7	-6.6	11.7	-1.0	115.2	125.8
Canned and frozen foods	203	5.7	131.0	123.3	146.9	138.8	122.8	126.5	19.1	-5.5	-11.5	3.0	2.6	120.0	138.3
Grain mill products	204	7.4	111.2	107.7	113.3	113.8	110.5	107.9	5.2	.4	-2.9	-2.4	.2	106.8	108.9
Bakery products	205	2.5	129.0	126.8	143.7	128.8	121.6	133.8	13.3	-10.3	-5.6	10.0	5.5	131.3	141.7
Sugar and confectionery	206	3.3	159.4	142.5	161.2	188.4	160.2	153.9	13.1	16.8	-15.0	-4.0	8.0	156.0	160.1
Fats and oils	207	3.4	98.4	90.8	94.5	107.6	107.5	103.5	4.1	13.9	-0.1	-3.7	14.0	103.5	102.5
Beverages	208	4.8	126.4	124.8	142.7	123.3	112.8	123.2	14.3	-13.7	-8.5	9.3	-1.3	121.9	130.7
Misc. food preparations	209	3.1	111.5	108.9	119.6	114.0	107.8	114.1	9.9	-4.7	-5.4	5.8	4.8	111.5	121.4
TOBACCO PRODUCTS	21	1.3	105.4	104.1	113.9	106.9	99.6	99.6	9.5	-6.2	-6.9	.0	-4.3	99.7	103.0
TEXTILE MILL PRODUCTS	22	28.3	97.0	101.8	101.6	92.2	82.9	95.6	-0.2	-9.3	-10.0	15.2	-6.1	96.1	101.2
Fabrics	221-4	12.1	93.9	98.5	98.5	90.1	80.0	91.4	-0.1	-8.5	-11.2	14.2	-7.3	92.0	95.7
Knit goods	225	3.7	80.3	82.8	88.1	75.5	67.5	80.1	6.4	-14.4	-10.6	18.7	-3.2	79.2	87.7
Fabric finishing	226	2.2	114.6	116.7	116.0	112.2	106.6	116.8	-0.7	-3.3	-5.0	9.6	.1	115.4	124.1
Yarn and thread	228	6.7	105.9	112.9	110.2	97.9	86.5	105.1	-2.3	-11.2	-11.7	21.5	-6.9	106.8	113.6
Miscellaneous textiles	229	2.1	98.0	102.4	101.5	93.7	88.9	95.4	-0.9	-7.7	-5.1	7.2	-6.9	96.5	96.5
APPAREL PRODUCTS	23	6.6	117.4	115.1	135.2	112.0	105.7	115.7	17.5	-17.1	-5.6	9.4	.5	112.9	129.2
Men's outerwear	231-2	2.1	113.5	112.6	133.4	107.4	97.8	114.9	18.4	-19.5	-9.0	17.6	2.0	113.3	130.2
Women's outerwear	233	1.9	112.3	108.6	132.8	107.1	97.9	106.9	22.3	-19.4	-8.6	9.2	-1.5	104.3	118.4
LUMBER AND PRODUCTS	24	16.4	118.8	119.2	114.9	117.5	119.7	118.1	-3.6	2.2	1.8	-1.3	-0.9	117.2	118.6
Lumber	242	6.9	103.1	102.8	97.3	101.5	101.0	99.7	-5.3	4.3	-0.6	-1.3	-3.0	100.9	99.4
Millwork and plywood	243	4.4	127.6	129.4	124.1	127.4	128.4	127.8	-4.0	2.6	.8	-0.5	-1.2	123.4	129.2
FURNITURE AND FIXTURES	25	4.2	121.5	119.5	122.9	122.4	121.1	120.1	2.8	-0.4	-1.1	-0.8	.5	117.7	123.0
Home furniture	251	2.8	116.1	114.4	115.2	116.9	114.4	113.4	.7	1.4	-2.1	-0.9	-0.9	109.8	116.3
PAPER AND PRODUCTS	26	71.9	121.2	122.1	122.3	121.0	118.9	118.3	.2	-1.0	-1.8	-0.5	-3.1	117.8	117.8
Wood pulp	261	5.9	132.7	134.7	135.0	137.1	132.9	128.9	.2	1.6	-3.1	-3.0	-4.3	133.9	134.0
Paper	262	34.4	127.6	128.7	127.9	128.0	126.6	125.8	-0.6	.1	-1.1	-0.6	-2.2	125.2	123.0
Paperboard	263	22.1	112.6	113.3	109.3	106.1	106.1	106.6	-3.5	-3.0	.0	.4	-5.9	103.6	109.0
Converted paper	264	5.0	119.4	118.6	124.4	120.0	115.5	118.3	4.9	-3.6	-3.7	2.4	-0.3	116.1	119.3
Paperboard containers	265	3.4	112.0	111.9	118.1	109.5	108.9	103.7	5.5	-7.3	-0.5	-4.8	-7.3	102.2	108.7
Building paper and board	266	1.1	146.5	151.1	145.1	146.9	146.6	146.0	-3.9	1.2	-0.2	-0.4	-3.3	147.6	146.3
PRINTING AND PUBLISHING	27	10.6	135.2	129.7	154.6	135.4	127.3	138.5	19.2	-12.4	-6.0	8.7	6.7	136.7	147.3
Newspapers	271	2.6	114.4	110.9	129.6	114.0	108.0	119.0	16.9	-12.1	-5.3	10.3	7.3	117.6	127.4
Commercial Printing	275	4.8	151.6	143.4	173.3	154.7	144.0	155.9	20.9	-10.7	-6.9	8.3	8.8	153.6	164.2
CHEMICALS AND PRODUCTS	28	162.1	91.5	95.4	92.7	87.7	86.3	92.2	-2.9	-5.4	-1.5	6.8	-3.4	94.4	89.1
Basic chemicals	281	85.6	80.6	85.0	79.7	77.5	75.6	83.6	-6.2	-2.7	-2.5	10.6	-1.6	87.2	76.9
Alkalies and chlorine	2812	13.3	106.2	112.8	103.2	103.0	91.0	95.4	-8.5	-0.2	-11.7	4.9	-15.5	92.4	94.4
Inorganic chemicals, nec	2819	58.1	66.6	71.6	65.0	63.3	64.3	75.1	-9.3	-2.5	1.4	16.9	4.9	80.1	66.9
Acid and fertilizer mat.		13.0	90.3	93.0	90.0	88.1	85.7	87.0	-3.2	-2.2	-2.7	1.4	-6.5	85.5	86.5
Nuclear mats., nondefense		44.6	56.7	62.7	54.5	53.0	55.3	70.2	-13.1	-2.7	4.3	27.0	11.9	77.9	58.8
Synthetic materials	282	19.3	113.6	116.0	117.3	110.6	108.1	113.3	1.1	-5.7	-2.3	4.8	-2.3	111.0	117.2
Plastics materials	2821	9.2	133.6	138.7	133.8	128.0	129.2	129.1	-3.5	-4.3	.9	-0.1	-6.9	124.7	129.5
Drugs	283	4.1	136.1	135.7	151.2	135.7	127.6	139.6	11.4	-10.3	-5.9	9.4	2.8	140.8	146.6
Soaps and toiletries	284	2.1	113.0	107.7	119.6	116.0	112.6	116.9	11.1	-3.0	-3.0	3.8	8.6	116.5	123.9
Industrial organic chem.	286	35.8	106.8	114.1	114.1	92.5	96.0	93.8	.0	-18.9	3.8	-2.4	-17.8	94.5	100.2
Farm chemicals	287	10.5	98.6	99.1	101.8	98.9	95.2	96.0	2.8	-2.9	-3.8	.8	-3.1	95.7	94.9

Table 9A—continued

ELECTRIC POWER USE BY INDUSTRIES

Seasonally adjusted indexes, 1977 = 100

Series	SIC code	Indexes								Percentage change from				Indexes	
		1977 (bil. kWh)	1984 Avg.	1984			1985		previous quarter		year ago		1985 MAY	1985 JUN	
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
PETROLEUM PRODUCTS	29	34.7	111.9	113.1	109.2	111.6	111.8	110.2	-3.5	2.3	.2	-1.5	-2.6	113.0	106.8
RUBBER & PLASTICS PRODUCTS	30	23.1	124.3	122.8	125.6	126.3	125.5	125.9	2.3	.5	-0.6	.3	2.6	127.0	125.8
Tires	3011	5.4	79.6	77.2	82.6	80.8	79.5	78.7	7.1	-2.3	-1.6	-1.0	1.9	80.0	76.6
Rubber products, nec	306	2.2	99.0	100.1	99.0	98.6	95.2	96.6	-1.1	-0.4	-3.4	1.4	-3.5	96.5	98.4
Plastics products, nec	307	14.2	158.1	155.9	158.2	162.1	161.6	161.6	1.4	2.5	-0.3	.0	3.6	162.3	162.0
LEATHER AND PRODUCTS	31	1.4	92.5	94.6	90.8	89.5	87.5	89.3	-4.0	-1.4	-2.3	2.1	-5.5	89.9	89.5
Shoes	314	.7	89.4	92.2	87.4	86.0	80.5	80.6	-5.2	-1.7	-6.4	.2	-12.6	82.7	79.5
CLAY, GLASS, AND STONE	32	31.4	105.8	105.5	105.4	107.5	104.2	104.3	-0.1	2.0	-3.0	.0	-1.2	105.8	103.8
Flat glass	321	1.3	101.0	98.5	101.6	104.9	103.4	97.3	3.1	3.3	-1.4	-5.9	-1.2	96.6	96.6
Pressed and blown glass	322	6.8	108.3	109.3	106.8	109.6	102.4	102.2	-2.3	2.6	-6.6	-0.2	-6.5	103.0	102.9
Cement	324	10.2	99.1	99.7	99.3	100.2	98.4	98.6	-0.5	1.0	-1.8	.3	-1.1	102.0	96.0
Structural clay products	325	1.5	101.1	101.5	99.5	101.0	99.6	100.9	-2.0	1.5	-1.4	1.4	-0.6	103.4	99.9
Concrete products	327	3.6	110.2	112.5	109.2	109.8	103.2	111.9	-2.9	.5	-6.0	8.5	-0.5	111.6	111.8
PRIMARY METALS	33	171.3	88.3	90.8	85.7	85.0	84.3	77.9	-5.6	-0.8	-0.9	-7.5	-14.2	77.8	77.6
Basic steel and mill prod.	331	65.7	80.3	81.9	77.5	75.9	77.5	69.6	-5.3	-2.0	2.0	-10.1	-14.9	69.7	70.3
Iron and steel foundries	332	12.0	86.4	89.1	85.4	85.3	80.7	80.8	-4.2	-0.2	-5.4	.1	-9.4	81.2	80.8
Primary nonferrous metals	333	78.1	96.1	98.0	97.3	92.9	93.9	81.3	-0.7	-4.5	1.1	-13.4	-17.0	76.3	87.3
Aluminum	3334	70.3	89.1	93.9	85.4	86.6	85.7	78.9	-9.1	1.4	-1.0	-7.9	-16.0	78.7	76.3
Nonferrous foundries	336	2.1	120.0	119.4	119.5	123.5	116.9	118.5	.1	3.4	-5.4	1.4	-0.8	115.7	118.8
FABRICATED METAL PRODUCTS	34	26.4	112.7	113.1	113.2	113.4	113.4	115.5	.1	.2	-0.1	1.9	2.1	116.7	114.6
Metal cans	341	2.2	107.0	106.1	105.5	108.8	108.3	112.3	-0.6	3.1	-0.5	3.7	5.8	112.1	111.9
Hardware	342	2.3	104.4	104.0	105.9	104.7	104.3	105.1	1.9	-1.2	-0.4	.8	1.1	105.4	105.0
Structural metal products	344	.8	112.5	114.2	114.7	110.4	109.2	114.3	.4	-3.7	-1.1	4.6	.1	119.6	112.5
Fasteners	345	1.6	104.7	106.1	105.9	105.8	105.9	108.2	-0.2	.0	.1	2.2	1.9	109.1	108.5
Metal stampings	346	6.2	107.7	107.7	106.4	108.4	115.4	114.4	-1.3	2.0	6.5	-0.9	6.2	112.6	110.5
NONELECTRICAL MACHINERY	35	28.6	114.1	113.6	115.4	116.0	114.7	115.5	1.6	.5	-1.1	.7	1.6	115.9	114.4
Engines and turbines	351	2.4	76.1	76.7	79.1	73.1	76.6	71.5	3.1	-7.5	4.7	-6.6	-6.8	73.1	68.8
Farm equipment	352	2.1	69.6	71.1	71.8	69.5	58.3	60.0	1.0	-3.3	-16.1	2.9	-15.7	58.2	56.4
Construction equipment	353	5.1	86.4	86.0	86.9	87.8	87.2	85.4	1.1	1.0	-0.7	-2.0	-0.6	85.2	85.6
Metalworking machinery	354	3.8	108.5	108.7	109.6	110.2	108.5	111.0	.8	.6	-1.5	2.2	2.0	113.2	111.4
Special industry machinery	355	2.0	103.3	103.5	104.6	104.8	101.9	99.8	1.0	.3	-2.8	-2.1	-3.6	100.4	100.9
General industrial mach.	356	4.6	111.0	110.5	110.4	113.3	108.1	109.9	-0.1	2.6	-4.6	1.6	-0.6	110.1	110.6
Office and computing mach.	357	2.8	191.8	192.4	197.3	196.0	200.1	209.2	2.6	-0.7	2.1	4.5	8.7	212.5	201.1
Service industry machinery	358	2.8	103.2	102.7	105.3	104.3	96.5	96.8	2.5	-0.9	-7.6	.3	-5.7	97.0	96.8
ELECTRICAL MACHINERY	36	25.0	125.9	125.1	127.7	127.5	124.0	124.8	2.1	-0.1	-2.8	.7	-0.2	125.3	125.0
Elect. distribution equip.	361	1.5	98.8	96.1	100.5	106.0	96.5	95.3	4.6	5.4	-9.0	-1.2	-0.8	95.2	94.6
Elect. indust. apparatus	362	4.3	96.2	96.0	97.4	94.1	85.6	80.9	1.4	-3.3	-9.1	-5.4	-15.7	79.5	81.6
Household appliances	363	2.7	100.0	100.2	99.7	100.0	93.3	95.1	-0.5	.3	-6.8	2.0	-5.1	97.9	94.3
Lighting and wiring prod.	364	2.3	101.9	101.6	101.6	102.2	101.4	100.6	.0	.6	-0.8	-0.8	-1.0	101.0	102.1
Radio and TV sets	365	.9	112.7	114.1	111.2	111.3	117.5	115.8	-2.5	.0	5.6	-1.5	1.5	119.9	114.4
Communication equipment	366	4.6	160.4	159.2	161.7	166.6	163.9	169.4	1.5	3.0	-1.6	3.4	6.4	170.4	167.5
Electronic components	367	6.0	166.2	164.1	169.4	172.6	169.3	168.0	3.2	1.9	-1.9	-0.8	2.4	168.6	168.1
TRANSPORTATION EQUIPMENT	37	31.4	105.3	102.7	105.2	107.8	110.7	110.3	2.4	2.5	2.7	-0.3	7.4	111.4	108.4
Motor vehicles and parts	371	19.3	94.1	91.1	92.4	96.6	100.1	98.5	1.3	4.6	3.6	-1.6	8.1	99.7	95.5
Aircraft and parts	372	6.5	127.1	126.5	128.7	128.9	133.2	135.6	1.8	.1	3.3	1.8	7.2	136.3	134.1
Ships and boats	373	2.1	119.8	123.8	117.8	120.3	122.3	121.9	-4.9	2.1	1.7	-0.3	-1.5	125.3	119.8
INSTRUMENTS	38	5.5	136.4	136.0	137.7	138.3	137.5	142.0	1.2	.5	-0.6	3.3	4.4	142.0	142.1
Copiers and related equip.	386	1.4	121.2	119.9	122.9	124.3	121.8	122.9	2.5	1.1	-2.0	.9	2.5	121.7	123.9
MISCELLANEOUS MANUFACTURES	39	4.1	101.7	102.1	100.9	100.7	99.6	101.1	-1.3	-0.2	-1.1	1.6	-1.0	101.8	101.0
SUPPLEMENTARY GROUPINGS															
TOTAL, LESS NUCLEAR NONDEFENSE		740.7	107.0	107.9	107.0	106.1	104.7	103.4	-0.8	-0.9	-1.3	-1.2	-4.1	103.9	103.0
UTILITY SALES TO INDUSTRY		715.7	104.2	105.1	104.0	103.3	101.9	101.7	-1.0	-0.7	-1.3	-0.2	-3.3	102.8	100.4
INDUSTRIAL GENERATION		70.1	85.1	87.5	84.2	83.7	84.6	83.1	-3.7	-0.6	1.1	-1.8	-5.0	81.7	79.7

Note—The electric power use data by industry, shown in billions of kilowatt hours for 1977, are from the Census of Manufactures of that year and from other sources. They are provided for information and are not used as weights to compile the electric power use indexes. All index aggregations, with their detailed components, are calculated from the kilowatt hour data collected in the Federal Reserve survey of electric power use by industry. The electric power total includes only those major divisions of industries—mining and manufacturing—for which data are collected in this Federal Reserve survey. The total does not include gas or electric utility kilowatt hour use. The supplementary grouping, "Total, less nondefense, nuclear" is shown separately because the nondefense nuclear materials series (part of SIC 2819) accounts for a disproportionately large part of total electric power use. Since the value added proportion for this industry is a considerably smaller part of total IP than its share of total electric power use, excluding this component from total power use facilitates comparisons with total IP.

Table 9B—continued

ELECTRIC POWER USE BY INDUSTRIES

Not seasonally adjusted, 1977=100

Series	SIC code	Indexes								Percentage change from				Indexes	
		1977 (bil. KWh)	1984 Avg.	1984			1985		previous quarter		year ago		1985		
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q2	MAY	JUN
PETROLEUM PRODUCTS	29	34.7	111.9	110.8	114.2	111.8	108.7	107.9	3.1	-2.1	-2.8	-0.8	-2.7	109.0	109.8
RUBBER & PLASTICS PRODUCTS	30	23.1	124.3	124.3	127.2	125.3	123.1	127.5	2.4	-1.5	-1.7	3.6	2.6	127.1	129.3
Tires	301	5.4	79.6	78.4	84.2	80.5	77.0	79.8	7.5	-4.4	-4.4	3.6	1.8	80.5	79.6
Rubber products, nec	306	2.2	99.0	101.3	99.2	97.5	94.9	97.7	-2.1	-1.7	-2.7	3.0	-3.5	96.8	101.6
Plastics products, nec	307	14.2	158.1	158.3	160.5	160.1	158.4	164.0	1.4	-0.2	-1.1	3.5	3.6	162.9	166.3
LEATHER AND PRODUCTS	31	1.4	92.5	94.2	93.2	87.9	87.0	89.0	-1.0	-5.7	-1.0	2.2	-5.5	87.3	93.0
Shoes	314	.7	89.4	90.9	91.5	83.3	80.4	79.5	.6	-8.9	-3.5	-1.1	-12.5	78.4	83.4
CLAY, GLASS, AND STONE	32	31.4	105.8	106.8	109.5	108.9	97.4	105.5	2.5	-0.5	-10.6	8.3	-1.2	106.3	107.1
Flat glass	321	1.3	101.0	98.8	105.0	103.8	100.4	97.6	6.3	-1.2	-3.2	-2.8	-1.3	96.0	98.7
Pressed and blown glass	322	6.8	108.3	109.6	110.0	108.6	99.8	102.5	.3	-1.3	-8.1	2.7	-6.5	100.9	105.5
Cement	324	10.2	99.1	102.5	107.2	105.2	82.7	101.3	4.6	-1.8	-21.4	22.4	-1.2	106.4	101.3
Structural clay products	325	1.5	101.1	101.5	100.6	103.0	96.2	101.0	-0.9	2.4	-6.6	5.0	-0.5	99.5	103.4
Concrete products	327	3.6	110.2	112.9	111.7	109.9	100.2	112.3	-1.1	-1.6	-8.8	12.1	-0.5	111.6	112.7
PRIMARY METALS	33	171.3	88.3	93.9	85.0	82.8	84.2	80.6	-9.5	-2.6	1.7	-4.3	-14.2	82.0	79.2
Basic steel and mill prod.	331	65.7	80.3	87.8	75.3	72.0	77.8	74.7	-14.2	-4.4	8.1	-4.0	-15.0	77.1	72.6
Iron and steel foundries	332	12.0	86.4	92.1	84.2	83.1	80.9	83.4	-8.6	-1.2	-2.7	3.1	-9.4	82.5	84.0
Primary nonferrous metals	333	78.1	96.1	99.7	94.8	95.1	92.3	82.8	-4.9	.4	-3.0	-10.3	-17.0	79.0	89.5
Aluminum	3334	70.3	89.1	94.7	88.3	85.3	83.3	79.6	-6.8	-3.4	-2.2	-4.6	-16.0	81.5	76.8
Nonferrous foundries	336	2.1	120.0	119.5	117.8	123.3	118.6	118.6	-1.4	4.7	-3.8	.0	-0.7	117.1	119.6
FABRICATED METAL PRODUCTS	34	26.4	112.7	112.9	115.2	111.9	113.1	115.3	2.1	-2.9	1.1	1.9	2.1	114.4	116.4
Metal cans	341	2.2	107.0	107.2	111.2	105.0	104.9	113.4	3.7	-5.6	-0.1	8.2	5.8	111.8	117.2
Hardware	342	2.3	104.4	103.5	107.8	103.6	104.0	104.6	4.1	-3.9	.3	.6	1.1	103.8	107.2
Structural metal products	344	.8	112.5	112.0	113.2	110.5	112.5	112.1	1.0	-2.3	1.8	-0.4	.0	114.1	110.5
Fasteners	345	1.6	104.7	105.5	106.9	104.7	106.4	107.5	1.3	-2.0	1.6	1.1	1.9	106.3	110.0
Metal stampings	346	6.2	107.7	109.0	108.0	106.7	113.9	115.7	-0.9	-1.3	6.8	1.6	6.2	113.3	113.1
NONELECTRICAL MACHINERY	35	28.6	114.1	113.0	120.3	114.0	112.3	114.9	6.4	-5.3	-1.5	2.3	1.6	113.7	117.7
Engines and turbines	351	2.4	76.1	75.4	81.0	73.3	75.8	70.2	7.5	-9.5	3.5	-7.4	-6.8	71.1	69.5
Farm equipment	352	2.1	69.6	71.0	69.9	65.8	62.6	59.8	-1.5	-5.8	-5.0	-4.4	-15.7	58.9	58.4
Construction equipment	353	5.1	86.4	85.1	89.9	87.0	85.7	84.6	5.7	-3.3	-1.5	-1.3	-0.6	83.3	86.9
Metalworking machinery	354	3.8	108.5	108.3	112.4	107.5	108.9	110.5	3.8	-4.3	1.3	1.5	2.0	110.3	112.3
Special industry machinery	355	2.0	103.3	103.7	105.8	103.3	101.9	100.0	2.0	-2.3	-1.3	-1.9	-3.6	98.6	102.6
General industrial mach.	356	4.6	111.0	111.5	112.7	110.8	107.2	110.8	1.1	-1.7	-3.3	3.4	-0.6	109.4	115.0
Office and computing mach.	357	2.8	191.8	187.1	212.3	195.4	191.1	203.1	13.5	-8.0	-2.2	6.2	8.5	203.0	205.9
Service industry machinery	358	2.8	103.2	103.5	110.1	100.9	94.3	97.6	6.3	-8.3	-6.6	3.5	-5.7	95.9	101.9
ELECTRICAL MACHINERY	36	25.0	125.9	124.6	133.6	125.7	120.4	124.3	7.3	-5.9	-4.2	3.2	-0.2	123.0	128.7
Elect. distribution equip.	361	1.5	98.8	96.5	104.0	103.1	95.2	95.6	7.8	-0.8	-7.7	.4	-0.9	93.7	98.2
Elect. indust. apparatus	362	4.3	96.2	98.7	97.3	91.9	85.1	83.1	-1.4	-5.6	-7.4	-2.3	-15.7	82.0	84.1
Household appliances	363	2.7	100.0	101.9	99.5	96.8	94.6	96.7	-2.3	-2.8	-2.2	2.1	-5.1	97.5	99.4
Lighting and wiring prod.	364	2.3	101.9	102.0	102.2	101.0	101.3	100.9	.2	-1.1	.2	-0.3	-1.0	99.8	103.3
Radio and TV sets	365	.9	112.7	111.8	121.1	109.7	111.0	113.4	8.4	-9.4	1.1	2.2	1.4	114.7	117.8
Communication equipment	366	4.6	160.4	156.2	177.9	163.0	153.9	166.1	13.9	-8.4	-5.6	7.9	6.3	163.2	173.8
Electronic components	367	6.0	166.2	163.4	180.8	169.9	161.2	167.2	10.7	-6.1	-5.1	3.8	2.3	165.1	174.6
TRANSPORTATION EQUIPMENT	37	31.4	105.3	104.2	109.9	105.5	106.2	111.8	5.5	-4.1	.7	5.2	7.3	111.0	114.8
Motor vehicles and parts	371	19.3	94.1	93.5	96.7	93.9	95.3	101.0	3.4	-2.9	1.5	6.0	8.0	100.3	103.5
Aircraft and parts	372	6.5	127.1	125.4	134.7	129.3	127.7	134.4	7.5	-4.0	-1.3	5.3	7.2	133.7	138.2
Ships and boats	373	2.1	119.8	120.0	118.7	116.8	128.7	118.1	-1.1	-1.6	10.1	-8.2	-1.6	116.9	117.2
INSTRUMENTS	38	5.5	136.4	134.4	147.5	135.1	132.3	140.4	9.8	-8.4	-2.1	6.1	4.4	137.4	148.4
Copiers and related equip.	386	1.4	121.2	119.8	127.8	122.5	118.7	122.8	6.6	-4.1	-3.1	3.5	2.5	119.6	128.5
MISCELLANEOUS MANUFACTURES	39	4.1	101.7	100.4	105.7	99.3	97.8	99.4	5.2	-6.1	-1.5	1.7	-1.0	98.1	102.4
SUPPLEMENTARY GROUPINGS															
TOTAL, LESS NUCLEAR NONDEFENSE		740.7	107.0	109.0	108.9	104.7	102.9	104.6	-0.1	-3.9	-1.7	1.6	-4.1	104.6	105.7
UTILITY SALES TO INDUSTRY		715.7	104.2	106.6	105.9	101.8	100.0	103.1	-0.7	-3.8	-1.8	3.0	-3.3	103.7	103.3
INDUSTRIAL GENERATION		70.1	85.1	87.0	85.1	81.9	85.9	82.7	-2.2	-3.8	4.8	-3.7	-5.0	82.5	79.9

Explanatory Note

Coverage. The index is a measure of industrial production expressed as a percentage of output in a reference period (currently 1977). The changes in the physical output of the nation's factories, mines, and electric and gas utilities are represented by 252 individual series in the index, covering 27 pertinent two-digit codes of the *Standard Industrial Classification* (SIC). For each individual series, index series relatives are calculated first and are then aggregated in the following two ways: (1) market groupings, such as consumer goods, equipment, intermediate products, and materials, from which the seasonally adjusted total index is derived (tables 1A and 1B), and (2) industry groupings, such as SIC two-digit industries, and major aggregates of these groupings, such as durable and nondurable manufacturing, mining, and utilities (tables 2A and 2B).

Market groupings. For purposes of analysis the individual industrial output series are grouped into materials, intermediate products, and final products; together, the latter two form the products category. Materials are industrial output requiring further processing within industry; intermediate products are expected to become inputs in nonindustrial sectors such as construction, farming, and services; and final products are assumed to enter final use as items of private consumption, government use, or capital formation.

Timing. A first estimate of output for a month is published about the 15th of the following month. This estimate may be revised in each of the next three months as new data become available. After the fourth month, indexes are not revised further until the time of an annual revision or a benchmark revision. The last three benchmark revisions were published in 1971, 1976, and 1985. Such revisions are derived mainly from the quinquennial *Census of Manufactures*, the quinquennial *Census of Mineral Industries*, and the *Annual Survey of Manufactures*, all prepared by the Bureau of the Census.

Source data. The indexes of industrial production are constructed from monthly data of two types: (1) directly measured output in physical units; and (2) estimates of output derived from data on input, expressed in physical units, adjusted by conversion factors that relate these inputs to physical output. The data on directly measured physical product (pounds, yards, barrels, and the like) are obtained from reports of the Bureau of the Census, the Bureau of Mines, other government agencies, and trade associations. When suitable monthly data on physical product are unavailable, estimates of physical output based on input data (kilowatt hours, production worker hours) are used. The hours worked by production workers are collected in the monthly establishment survey of the Bureau of Labor Statistics, while data on the kilowatt hours used in industry are collected from utilities and self-generators by the Federal Reserve Banks. The estimates of input conversion are based mainly on historical relationships that were derived from censuses and annual surveys and, when appropriate, on recent major developments.

Seasonal adjustment. Individual series are seasonally adjusted by the X-11 Method II seasonal adjustment procedure that was developed by the Bureau of the Census and modified by the intervention analysis technique. The seasonal factors currently being used for individual series were derived from data through 1983; those for major aggregates were based on data through 1984. The individual series and the aggregate series are seasonally adjusted independently, and the factors for the aggregate series in the summary table and in tables 1 and 2 are reviewed monthly. The seasonally adjusted total index is aggregated from the seasonally adjusted market groupings of the index and may not precisely equal an aggregation of the seasonally adjusted industry groupings. A simple aggregation of the seasonally adjusted individual series within groupings may not precisely equal the seasonally adjusted groupings, primarily because aggregates are adjusted independently.

Weights. The total index and the various groupings of the component series are currently aggregated on the basis of 1977 value-added weights, which are shown in the first column of the index tables under the heading proportions. Value-added weights for 1972 are used for the 1972-77 period, while the 1967 weights are used for the 1967-72 period. The weight years for earlier periods after World War II are 1963, 1958, 1954, and 1947. The indexes for the various periods are linked to provide the continuous final results on the 1977 comparison-based year. The gross-value-weighted product series are expressed in terms of 1972 dollars.

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

$$I_t = \sum \left(\frac{q_{77} p_{77}}{\sum q_{77} p_{77}} \right) \cdot \left(\frac{q_t}{q_{77}} \right) \cdot 100 = \frac{\sum q_t p_{77}}{\sum q_{77} p_{77}} \cdot 100,$$

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 industrial production, without regard to sign, between the first and fourth estimates is 0.3 percent: 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 percent. (This calculation used data for the period from January 1972 to December 1982.)

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

Literature. *The Manual of the Industrial Production Index, 1985*, contains a more detailed description, together with a history of the index, a glossary of terms, and a bibliography. *The Manual* is scheduled to be published in 1986. Selected data on industrial production are also published monthly in the Financial and Business Statistics section of the *Federal Reserve Bulletin*.