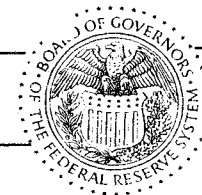


FEDERAL RESERVE statistical release



G.17 (419)

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INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION

Industrial production rose 0.3 percent in April after gains of 0.5 percent in each of the three preceding months. Increases in production were widespread among industries; one exception was motor vehicles, where a decrease in assemblies reduced the overall gain in industrial output by more than 0.1 percentage point. The seasonally adjusted output of motor vehicles declined because manufacturers had pushed output to near capacity in February and were unable to achieve the further gains in the pace of average daily production normally expected for March and April. At 116.0 percent of its 1987 average, industrial production was 5.0 percent higher in April than it was a year earlier. The utilization of total industrial capacity held steady, at 83.6 percent.

Market Groups

The production of consumer goods edged down because the decline in the output of automotive products more than offset small gains in the production of other consumer goods. An increase in appliance manufacturing pushed up the output in the other consumer durables category; gains in the output of fuels and clothing helped boost nondurables despite a decrease in the output of food.

(over)

INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION: SUMMARY

Seasonally adjusted

	Index, 1987=100				Percent change				Apr. 93 to Apr. 94
	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	
Industrial Production									
Total index	114.6	115.1	115.7	116.0	.5	.5	.5	.3	5.0
Previous estimates	114.4	115.0	115.6		.4	.6	.5		
Major market groups:									
Products, total	113.6	114.3	114.7	115.0	.6	.6	.3	.3	4.7
Consumer goods	110.9	111.9	112.1	112.0	.7	.9	.1	-.1	3.1
Business equipment	142.9	145.1	146.0	146.7	.8	1.6	.6	.5	10.3
Construction supplies	100.5	98.9	100.2	100.9	-.8	-1.6	1.3	.7	6.4
Materials	116.0	116.2	117.2	117.4	.5	.2	.8	.2	5.4
Major industry groups:									
Manufacturing	115.6	116.2	117.1	117.5	.1	.6	.8	.3	5.6
Durable	120.4	121.2	122.0	122.5	.3	.7	.6	.4	7.9
Nondurable	109.6	110.1	111.1	111.5	-.1	.5	.9	.3	2.5
Mining	97.0	98.7	99.3	99.4	.1	1.8	.6	.1	2.0
Utilities	121.9	119.6	116.8	116.1	5.3	-1.9	-2.3	-.6	1.4
	Percent of Capacity								Capacity growth
Capacity Utilization	Average 1967-93	1982 Low	1988-89 High	1993 Apr.	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	Apr. 93 to Apr. 94
Total industry	81.9	71.8	84.8	81.4	83.2	83.4	83.6	83.6	2.2
Manufacturing	81.2	70.0	85.1	80.6	82.2	82.5	82.9	83.0	2.5
Advanced processing	80.6	71.4	83.3	79.3	80.7	81.3	81.6	81.6	3.1
Primary processing	82.2	66.8	89.1	83.6	85.9	85.3	85.9	86.3	1.2
Mining	87.4	80.6	87.0	87.4	87.6	89.2	89.8	89.9	-.8
Utilities	86.7	76.2	92.6	85.8	90.6	88.8	86.6	86.0	1.1

The production of business equipment continued to post gains, with the weakness in transit equipment more than offset by increases in other categories. The output of information processing equipment advanced 1.2 percent, extending the strength that has led to an 18 percent increase during the past twelve months. The production of industrial equipment picked up 0.3 percent in April, and the output of other equipment (farm equipment, office furniture, and service industry equipment) rose 1.1 percent.

The production of construction supplies increased 0.7 percent, continuing its recovery from the weather-related losses of January and February. The output of business supplies also rose 0.7 percent, with gains broadly based. The output of industrial materials edged up 0.2 percent; another increase in the production of durable goods materials more than offset small losses in the output of nondurable goods and energy materials. Continued increases in the manufacture of semiconductors and computer parts accounted for most of the gain in the durables category. The output of durable goods materials has risen 8.9 percent during the past twelve months, with the strongest increases at industries that supply materials used in motor vehicle and computer assembly.

Industry Groups

Manufacturing output increased 0.3 percent, with similar gains in both durable and nondurable goods. Within durables, the output of both industrial equipment and electrical machinery advanced about 1-1/2 percent. The output of primary metals also grew more than 1 percent. Although the output of motor vehicles and parts fell, it is still 15 percent above its year-ago level. This performance, along with the strength in the machinery industries, contributed importantly to the increase of 8 percent in overall production at manufacturers of durable goods since last April. Among nondurables producers, the gains were widespread in April, with the largest increase at petroleum refineries. However, the output of food fell back 0.7 percent after having increased 1.7 percent in March. Since April 1993, the production of nondurable manufactured goods has risen 2.5 percent, with gains in all industries except tobacco and leather products.

In April, factory capacity utilization edged up 0.1 percentage point, to 83.0 percent; the increases were concentrated among primary-processing industries, at which utilization rose to 86.3 percent, about 4 percentage points above its 1967-93 average.

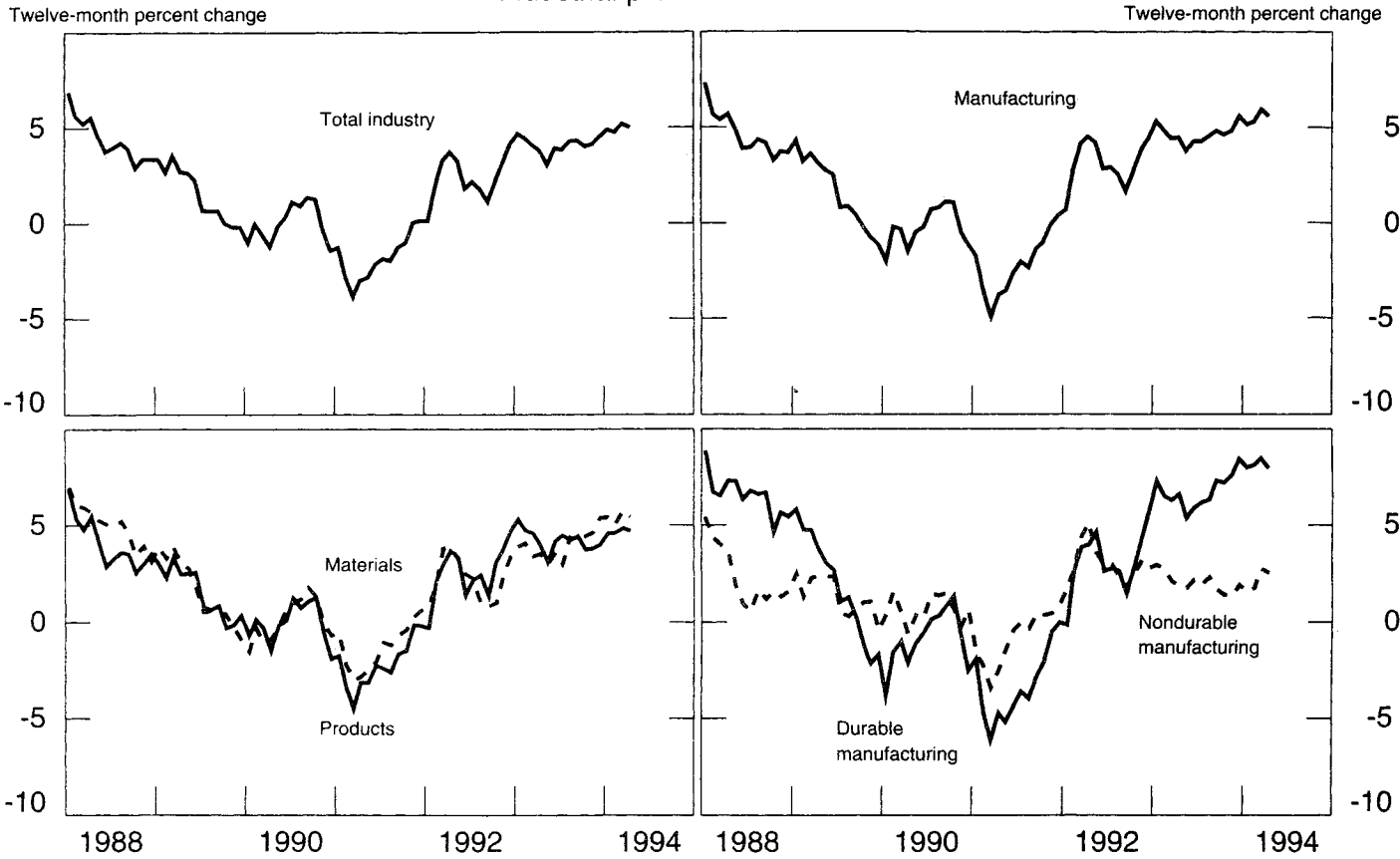
The output from mines changed little. Coal mining, which had advanced about 15 percent between January and March, held steady. The output from utilities, which had surged in January with the abnormally cold weather, had retraced most of that increase by March and decreased only 0.6 percent in April.

INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION

Seasonally adjusted

April data

Industrial production indexes

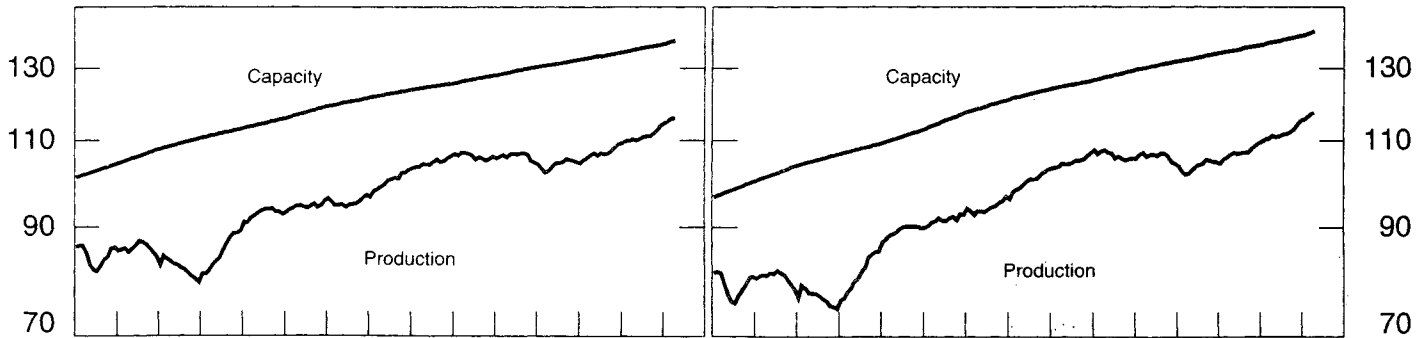


Total industry

Manufacturing

Ratio scale, 1987 production = 100

Ratio scale, 1987 production = 100



Percent of capacity

Percent of capacity

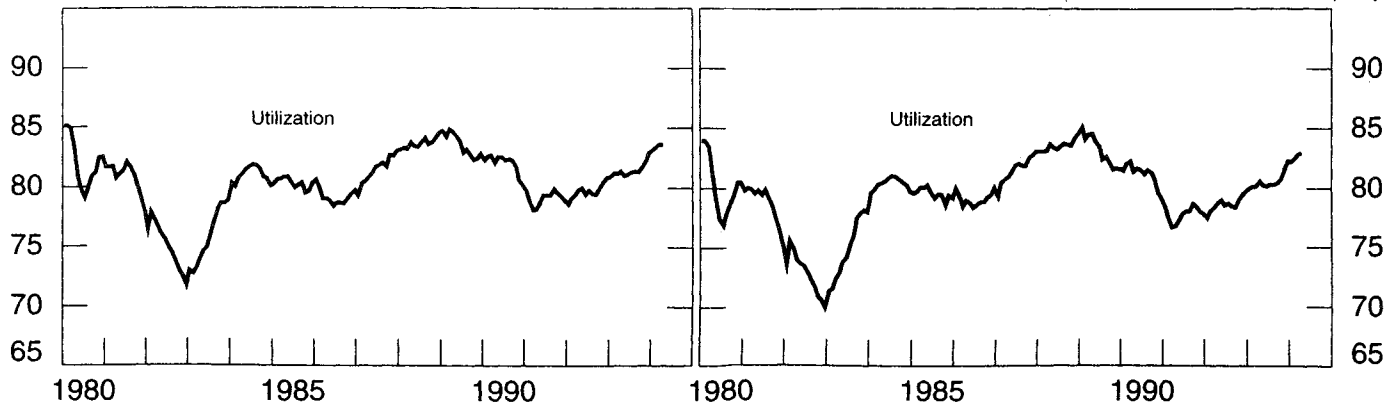


Table 1A
INDUSTRIAL PRODUCTION: MARKET GROUPS

Item	Proportion in Total IP		Index, 1987=100											
	1987	1993	Seasonally Adjusted						Not seasonally adjusted					
			1993 Nov.	1993 Dec.	1994 Jan. ^r	1994 Feb. ^r	1994 Mar. ^r	1994 Apr. ^p	1993 Nov.	1993 Dec.	1994 Jan. ^r	1994 Feb. ^r	1994 Mar. ^r	1994 Apr. ^p
Total index	100.0	100.0	112.8	114.0	114.6	115.1	115.7	116.0	112.2	111.6	113.0	114.4	114.9	114.2
Products, total	59.5	59.2	112.1	113.0	113.6	114.3	114.7	115.0	111.2	109.9	111.5	112.7	113.2	112.6
Final products	44.8	45.6	114.6	115.4	116.2	117.4	117.7	117.9	113.6	112.5	114.5	116.3	116.8	115.3
Consumer goods	26.5	26.0	109.7	110.1	110.9	111.9	112.1	112.0	108.3	107.0	110.5	111.5	111.3	109.3
Durable	5.8	5.8	115.8	118.2	119.0	122.2	119.6	118.4	115.7	106.8	112.9	122.0	123.1	120.2
Automotive products	2.7	2.8	120.2	124.9	127.7	134.8	127.9	124.9	118.2	106.0	120.7	133.7	133.1	128.6
Autos and trucks	1.7	1.7	124.9	131.5	134.6	146.2	135.9	131.0	123.2	105.7	125.5	144.9	143.5	135.0
Autos	1.1	.8	95.4	98.8	102.0	110.6	105.7	100.8	94.7	82.0	95.8	111.0	108.9	102.6
Trucks	.6	.9	176.0	188.0	191.0	207.9	188.2	183.3	172.6	146.8	177.1	203.6	203.3	191.0
Auto parts and allied goods	1.0	1.0	112.3	113.9	116.3	115.7	114.6	114.7	109.8	106.5	112.5	114.9	115.7	117.9
Other durable goods	3.1	3.1	112.0	112.2	111.3	111.2	112.3	112.7	113.5	107.5	106.1	111.7	114.4	112.9
Appliances, TVs, and air-cond.	.8	.9	130.7	130.5	123.7	123.2	126.0	128.8	128.0	113.5	119.8	129.2	134.8	128.6
Carpeting and furniture	.9	.8	102.5	102.8	104.0	105.5	105.4	105.3	103.3	99.1	96.2	105.5	106.5	106.4
Miscellaneous	1.4	1.4	107.5	108.0	109.1	108.0	109.0	108.3	111.8	109.6	104.6	105.7	107.9	108.1
Nondurable	20.7	20.2	107.9	107.9	108.6	109.0	109.9	110.2	106.2	107.1	109.9	108.5	108.0	106.2
Foods and tobacco	9.1	8.8	105.2	105.8	106.1	106.9	108.8	108.3	104.8	100.6	101.3	102.3	104.5	103.4
Clothing	2.6	2.2	94.3	95.1	93.8	94.0	95.2	96.6	94.0	92.0	87.8	91.5	93.4	94.6
Chemical products	3.6	4.0	122.3	122.0	121.6	124.1	125.3	125.5	118.3	115.6	114.1	115.9	117.6	119.6
Paper products	2.6	2.4	103.3	102.6	102.6	102.4	102.7	104.4	102.3	103.5	102.4	103.3	104.6	106.2
Energy products	2.7	2.8	115.2	113.1	119.7	116.7	114.4	114.4	110.5	135.1	160.6	140.1	123.6	108.8
Fuels	.8	.7	110.6	108.6	105.1	104.3	106.8	108.5	113.4	112.3	103.7	100.1	101.6	106.8
Utilities	2.0	2.1	117.0	114.9	125.4	121.5	117.3	116.6	109.4	143.9	182.6	155.5	132.1	109.6
Equipment, total	18.3	19.6	121.8	123.1	123.9	125.3	125.9	126.5	121.3	120.4	120.2	123.3	124.8	123.9
Business equipment	13.2	16.0	139.7	141.8	142.9	145.1	146.0	146.7	138.3	137.1	137.7	142.6	144.7	143.7
Information processing & related	5.5	7.8	164.5	167.2	170.1	172.7	176.1	178.2	162.2	162.7	163.6	167.5	171.9	171.9
Computer and office	1.9	3.8	248.6	256.1	261.5	267.5	274.8	280.8	239.4	242.4	247.8	256.4	267.5	266.6
Industrial	3.9	4.0	113.0	114.8	114.0	114.5	115.4	115.8	112.5	114.2	110.5	113.5	114.7	113.6
Transit	2.0	2.5	141.5	142.8	145.2	150.5	144.5	141.7	141.2	129.5	139.3	150.2	148.9	143.7
Autos and trucks	1.0	1.3	150.5	154.9	161.0	172.3	161.1	156.1	147.5	126.0	150.8	172.7	170.9	161.4
Other	1.8	1.8	119.3	120.8	119.4	120.8	121.3	122.7	117.5	116.8	115.3	120.7	121.3	121.9
Defense and space equipment	4.4	2.9	72.5	71.5	71.0	69.7	69.5	69.6	73.3	73.6	71.6	69.8	69.7	68.9
Oil and gas well drilling	.6	.4	82.9	82.3	82.4	87.4	88.6	89.6	95.0	94.1	86.6	82.5	80.6	79.2
Manufactured homes	.2	.2	130.4	141.1	145.3	139.7	143.6	143.9	123.7	108.4	121.1	131.6	141.1	152.0
Intermediate products	14.7	13.6	104.3	105.4	105.7	105.1	105.3	106.1	103.6	102.2	102.3	101.8	102.2	104.3
Construction supplies	5.9	5.1	99.5	101.3	100.5	98.9	100.2	100.9	98.6	95.6	93.3	94.7	97.8	101.1
Business supplies	8.8	8.5	107.5	108.1	109.2	109.2	108.8	109.5	106.9	106.7	108.3	106.5	105.2	106.5
Materials	40.5	40.8	113.9	115.5	116.0	116.2	117.2	117.4	113.9	114.0	115.2	116.9	117.3	116.6
Durable	20.5	21.3	119.1	121.5	122.2	122.0	123.8	124.5	119.3	119.9	118.7	121.6	123.8	123.9
Consumer parts	4.1	4.2	120.4	125.7	126.7	125.9	127.3	126.1	121.6	121.4	121.0	126.3	128.3	126.3
Equipment parts	7.4	8.3	127.5	128.6	130.7	132.0	134.3	136.1	128.0	130.8	129.8	131.8	134.4	134.7
Other	9.0	8.9	111.6	113.6	113.2	112.0	113.5	114.2	111.1	110.1	108.6	111.2	113.0	113.8
Basic metals	3.1	3.1	114.7	117.6	116.2	113.3	113.7	115.0	113.8	113.7	113.3	115.7	115.6	116.5
Nondurable	9.0	9.2	115.3	116.6	115.4	116.1	117.0	116.7	115.0	111.1	114.4	117.1	117.3	118.1
Textile	1.2	1.1	103.7	102.1	103.2	104.3	106.2	105.4	101.9	94.1	103.3	105.7	107.8	106.9
Paper	2.0	2.0	115.2	115.2	114.0	116.0	117.5	117.1	116.2	111.6	115.7	118.3	117.5	117.0
Chemical	3.8	4.0	119.1	119.9	119.7	120.0	120.1	119.8	119.5	116.9	117.6	121.4	120.4	121.9
Other	2.0	2.1	114.9	120.2	115.6	115.4	116.9	117.0	112.9	109.3	113.3	114.4	116.7	118.6
Energy	11.0	10.2	103.1	103.2	104.8	105.5	105.0	104.8	102.7	105.6	109.4	108.0	105.1	101.7
Primary	7.3	6.5	97.6	97.5	97.3	100.2	99.9	100.1	98.2	99.4	100.8	102.8	99.8	97.8
Converted fuel	3.7	3.8	113.8	114.5	119.6	115.8	114.8	114.1	111.7	117.8	126.3	118.2	115.5	109.4
SPECIAL AGGREGATES														
Total excluding:														
Autos and trucks	97.2	97.0	112.2	113.2	113.7	113.9	114.8	115.3	111.7	111.6	112.4	113.3	113.8	113.3
Motor vehicles and parts	95.2	94.8	111.8	112.7	113.2	113.4	114.3	114.8	111.3	111.1	111.9	112.7	113.2	112.8
Computer and office equipment	97.7	95.3	109.6	110.6	111.1	111.5	111.9	112.0	109.2	108.5	109.8	111.0	111.2	110.5
Consumer goods excluding:														
Autos and trucks	24.8	24.3	108.6	108.7	109.3	109.6	110.4	110.7	107.3	107.1	109.5	109.2	109.1	107.5
Energy	23.8	23.2	109.0	109.8	109.9	111.4	111.8	111.7	108.1	103.8	104.8	108.2	109.9	109.3
Business equipment excluding:														
Autos and trucks	12.2	14.7	138.7	140.6	141.3	142.8	144.7	145.9	137.5	138.1	136.6	140.1	142.5	142.2
Computer and office equipment	11.3	12.2	121.3	122.5	123.0	124.6	124.4	124.2	121.3	119.4	119.2	123.5	124.1	123.0
Materials excluding:														
Energy	29.5	30.6	118.0	120.0	120.1	120.2	121.7	122.1	118.0	117.2	117.4	120.3	121.8	122.1

Table 1B
INDUSTRIAL PRODUCTION: MARKET GROUPS

Percent change

Item	1992 Q4 to 1993 Q4	Seasonally adjusted annual rate				Seasonally adjusted				Not seasonally adjusted				Apr. 93 to Apr. 94
		1993 Q2	Q3	Q4	1994 Q1 ^r	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	
Total index	4.2	2.3	2.8	6.7	8.1	.5	.5	.5	.3	1.2	1.3	.4	-.6	5.0
Products, total	3.9	1.6	3.3	6.1	7.8	.6	.6	.3	.3	1.4	1.1	.4	-.6	4.7
Final products	3.8	1.3	2.9	6.3	9.0	.7	1.0	.3	.1	1.8	1.6	.5	-1.3	5.0
Consumer goods	1.8	-2.0	2.0	3.7	7.4	.7	.9	.1	-.1	3.3	.8	-.1	-1.8	3.1
Durable	9.1	-4.3	-3.5	31.0	17.3	.7	2.7	-2.1	-1.0	5.7	8.0	1.0	-2.4	6.8
Automotive products	12.6	-10.0	-16.6	68.6	40.1	2.3	5.5	-5.1	-2.4	13.8	10.8	-.4	-3.4	10.8
Autos and trucks	17.5	-16.7	-27.8	123.5	58.6	2.3	8.6	-7.1	-3.6	18.7	15.4	-1.0	-5.9	14.6
Autos	14.1	-10.0	-43.8	136.2	68.4	3.2	8.5	-4.5	-4.6	16.8	15.9	-1.9	-5.8	11.7
Trucks	20.8	-22.9	-8.4	112.6	50.1	1.6	8.8	-9.5	-2.6	20.7	14.9	-.1	-6.0	17.6
Auto parts and allied goods	4.6	3.0	4.9	5.0	10.3	2.1	-.5	-1.0	.1	5.6	2.2	.7	1.9	4.2
Other durable goods	5.9	1.1	9.5	4.8	-1.5	-.8	-.1	1.0	.3	-1.4	5.3	2.4	-1.3	3.1
Appliances, TVs, and air-cond.	13.9	.5	33.5	10.6	-17.8	-5.2	-.3	2.2	2.2	5.5	7.8	4.3	-4.6	4.6
Carpeting and furniture	4.7	4.9	5.2	.0	7.4	1.2	1.4	-.1	-.1	-2.8	9.7	.9	.0	4.5
Miscellaneous	1.7	-.7	-1.3	3.9	5.4	1.0	-1.0	.9	-.6	-4.5	1.0	2.1	.2	1.3
Nondurable	-.2	-1.4	3.6	-3.1	4.5	.7	.4	.8	.2	2.6	-1.3	-.5	-1.6	2.0
Foods and tobacco	-1.1	-3.2	2.5	-3.7	6.1	.3	.8	1.8	-.4	.7	1.0	2.1	-1.1	2.3
Clothing	-1.7	.9	-6.6	-.1	.4	-1.4	.2	1.3	1.5	-4.5	4.2	2.1	1.3	.8
Chemical products	.8	4.6	4.3	-5.0	4.5	-.3	2.0	1.0	.1	-1.3	1.6	1.4	1.7	2.2
Paper products	.6	3.9	-2.7	-.1	-2.8	.0	-.2	.3	1.6	-1.0	.9	1.2	1.5	.6
Energy products	2.0	-9.7	21.5	-3.3	9.5	5.8	-2.5	-2.0	.0	18.9	-12.8	-11.8	-12.0	3.2
Fuels	2.0	-2.8	1.4	20.1	-16.3	-3.3	-.8	2.4	1.6	-7.7	-3.4	1.5	5.1	3.4
Utilities	2.0	-12.1	29.5	-10.5	20.3	9.2	-3.1	-3.4	-.6	26.9	-14.8	-15.1	-17.0	3.2
Equipment, total	6.4	6.0	4.1	9.8	11.2	.6	1.1	.5	.4	-.2	2.6	1.2	-.7	7.5
Business equipment	9.9	9.9	5.5	13.8	15.0	.8	1.6	.6	.5	.4	3.6	1.5	-.7	10.3
Information processing & related	15.6	20.6	15.3	14.9	22.1	1.7	1.6	2.0	1.2	.6	2.4	2.6	.0	18.0
Computer and office	33.9	44.1	31.4	35.5	34.4	2.1	2.3	2.7	2.2	2.2	3.5	4.3	-.3	34.2
Industrial	4.2	6.4	4.4	.2	4.4	-.7	.4	.8	.3	-3.2	2.7	1.0	-.9	3.1
Transit	1.7	-12.5	-25.3	44.5	20.1	1.6	3.7	-4.0	-1.9	7.6	7.8	-.8	-3.5	.3
Autos and trucks	18.1	-11.9	-28.3	121.1	52.4	4.0	7.0	-6.5	-3.1	19.7	14.5	-1.0	-5.6	14.6
Other	10.6	10.5	15.3	5.9	2.3	-1.1	1.2	.4	1.1	-1.3	4.7	.5	.5	7.6
Defense and space equipment	-9.5	-8.9	-8.9	-9.7	-11.1	-.6	-1.9	-.3	.0	-2.8	-2.5	-.1	-1.1	-9.5
Oil and gas well drilling	-.6	-8.2	51.2	-12.5	11.1	.1	6.1	1.3	1.2	-8.0	-4.7	-2.4	-1.6	19.2
Manufactured homes	14.4	-20.2	22.1	58.4	38.6	3.0	-3.8	2.8	.2	11.7	8.6	7.3	7.7	27.8
Intermediate products	4.1	2.7	4.6	5.3	3.8	.3	-.6	.3	.7	.1	-.5	.4	2.0	3.8
Construction supplies	5.9	1.3	8.0	11.0	.4	-.8	-1.6	1.3	.7	-2.4	1.5	3.2	-3.4	6.4
Business supplies	3.0	3.6	2.6	1.9	6.0	1.0	.0	-.4	.7	1.5	-1.6	-1.2	1.2	2.2
Materials	4.8	3.3	2.2	7.6	8.6	.5	.2	.8	.2	1.0	1.5	.3	-.6	5.4
Durable	8.2	4.7	4.7	13.2	11.5	.6	-.2	1.4	.6	-1.0	2.5	1.8	.1	8.9
Consumer parts	12.5	-3.2	-1.0	37.6	21.2	.8	-.6	1.1	-.9	-.3	4.3	1.6	-1.5	12.1
Equipment parts	9.4	11.2	8.2	9.5	15.2	1.6	1.0	1.7	1.3	-.8	1.6	2.0	.2	11.7
Other	5.2	2.8	4.1	6.4	3.7	-.4	-1.1	1.3	.7	-1.4	2.4	1.7	.7	4.8
Basic metals	5.5	.2	-.8	12.9	-2.4	-1.2	-2.5	.4	1.2	-.3	2.1	-.1	.8	3.2
Nondurable	3.8	5.3	.5	4.9	2.8	-1.1	.6	.8	-.3	3.0	2.4	.2	.7	2.8
Textile	-.5	.9	1.4	-6.0	5.2	1.0	1.1	1.8	-.7	9.8	2.3	1.9	-.8	1.5
Paper	4.1	9.4	-10.2	8.5	4.6	-1.0	1.7	1.3	-.4	3.7	2.2	-.6	-.5	1.0
Chemical	4.4	6.8	3.9	4.3	4.1	-.1	.2	.1	-.3	.6	3.2	-.8	1.2	4.0
Other	4.6	1.2	4.5	9.0	-2.6	-3.9	-.2	1.3	.0	3.7	.9	2.0	1.7	2.9
Energy	-1.0	-1.3	-1.4	-1.3	7.9	1.5	.6	-.5	-.1	3.6	-1.3	-2.7	-3.2	.7
Primary	-2.8	4.9	-10.1	-1.5	5.8	-.2	3.0	-.3	.1	1.4	2.0	-2.9	-1.9	-.7
Converted fuel	2.2	-11.3	16.0	-.9	11.4	4.5	-3.1	-.9	-.6	7.2	-6.4	-2.3	-5.3	3.1
SPECIAL AGGREGATES														
Total excluding:														
Autos and trucks	3.8	2.9	3.9	4.3	6.8	.4	.2	.8	.4	.7	.8	.4	-.4	4.7
Motor vehicles and parts	3.6	3.1	4.1	3.3	6.2	.4	.2	.8	.4	.7	.7	.4	-.3	4.5
Computer and office equipment	3.0	.7	1.6	5.3	6.8	.4	.4	.4	.1	1.2	1.1	.2	-.6	3.7
Consumer goods excluding:														
Autos and trucks	.8	-.9	4.4	-1.8	4.0	.6	.3	.8	.2	2.2	-.3	-.1	-1.4	2.3
Energy	1.8	-1.1	-.2	4.6	7.1	.1	1.3	.4	-.1	.9	3.2	1.6	-.5	3.1
Business equipment excluding:														
Autos and trucks	9.2	12.1	8.8	7.7	12.0	.5	1.0	1.3	.8	-1.1	2.5	1.7	-.2	9.9
Computer and office equipment	3.5	1.6	-1.6	7.4	8.8	.3	1.3	-.2	-.1	-.2	3.6	.5	-.9	3.2
Materials excluding:														
Energy	6.9	4.9	3.4	10.6	8.9	.1	.1	1.3	.3	.2	2.4	1.3	.3	7.0

Note—Percent changes shown in the first and last columns are based on seasonally adjusted data.

Table 2A
INDUSTRIAL PRODUCTION: INDUSTRY GROUPS

Item	SIC	Proportion in Total IP		Index, 1987=100											
		1987	1993	Seasonally Adjusted							Not seasonally adjusted				
				1993 Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	Apr. ^p	1993 Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	Apr. ^p
Total index		100.0	100.0	112.8	114.0	114.6	115.1	115.7	116.0	112.2	111.6	113.0	114.4	114.9	114.2
Manufacturing		84.3	84.9	114.0	115.4	115.6	116.2	117.1	117.5	113.6	111.5	111.5	114.3	115.8	116.2
Primary processing		27.1	26.3	109.9	111.3	110.7	110.1	111.0	111.6	109.6	106.8	107.3	109.6	110.7	112.0
Advanced processing		57.1	58.6	116.0	117.4	117.9	119.2	120.0	120.3	115.4	113.7	113.5	116.5	118.3	118.1
Durable		46.5	47.9	118.0	120.1	120.4	121.2	122.0	122.5	117.5	116.3	116.3	120.0	122.0	121.5
Lumber and products	24	2.1	1.9	104.9	105.2	105.2	103.0	104.1	104.6	102.5	97.2	99.8	101.2	104.1	105.2
Furniture and fixtures	25	1.5	1.4	104.2	106.3	105.4	107.3	107.8	107.6	104.1	104.9	100.9	106.7	107.1	106.5
Stone, clay, and glass products	32	2.4	2.1	100.5	104.6	101.1	100.6	103.1	103.4	101.1	98.2	94.4	96.3	100.0	103.2
Primary metals	33	3.3	3.2	109.8	113.0	110.5	107.8	108.2	109.4	108.6	107.0	108.4	110.6	110.5	111.5
Iron and steel	331,2	1.9	1.9	114.4	119.1	115.8	111.6	111.7	112.7	113.7	112.0	113.1	114.9	113.8	115.2
Raw steel		.1	.1	106.2	110.9	102.0	105.8	105.8	107.9	104.0	104.1	102.5	109.3	108.8	110.7
Nonferrous	333-6,9	1.4	1.3	103.5	104.5	103.3	102.4	103.4	104.9	101.7	100.0	101.8	104.6	106.0	106.4
Fabricated metal products	34	5.4	4.9	102.1	102.6	103.9	103.2	104.3	104.9	102.1	101.4	99.2	101.6	103.7	103.7
Industrial machinery and equipment	35	8.5	11.1	152.0	155.7	156.3	158.1	161.4	163.7	148.3	150.3	149.6	155.3	159.9	159.3
Computer and office equip.	357	2.3	4.7	248.6	256.1	261.5	267.5	274.8	280.8	239.4	242.4	247.8	256.4	267.5	266.6
Electrical machinery	36	6.9	8.0	132.1	134.3	134.8	136.6	138.8	140.9	133.8	134.1	132.5	136.0	138.8	139.3
Transportation equipment	37	9.9	9.3	108.3	110.7	111.9	114.4	111.6	109.6	108.2	103.8	108.1	114.1	114.2	111.0
Motor vehicles and parts	371	4.8	5.2	132.4	138.5	142.1	149.0	143.1	139.0	130.9	121.5	134.2	148.6	148.4	142.1
Autos and light trucks		2.5	2.6	131.7	138.4	141.8	154.0	143.6	138.2	130.0	111.7	132.4	152.8	151.2	142.3
Aerospace and misc.	372-6,9	5.1	4.1	85.7	84.5	83.4	81.9	82.0	81.9	86.8	87.1	83.6	81.7	82.1	81.8
Instruments	38	5.1	4.8	102.4	102.3	103.7	104.1	104.4	104.1	103.0	102.4	102.0	102.7	102.8	102.6
Miscellaneous	39	1.3	1.2	110.1	110.3	110.7	109.8	110.8	111.7	113.8	111.4	107.0	107.0	109.8	110.9
Nondurable		37.8	37.0	109.1	109.7	109.6	110.1	111.1	111.5	108.7	105.5	105.5	107.2	108.3	109.5
Foods	20	8.8	8.6	108.4	109.0	109.2	110.1	111.9	111.2	108.9	106.3	104.1	104.9	107.3	106.4
Tobacco products	21	1.0	.8	83.3	84.3	88.2	87.2	88.8	90.1	82.3	66.5	90.1	89.9	89.7	83.7
Textile mill products	22	1.8	1.8	108.0	107.4	107.8	108.6	109.7	109.5	106.2	97.5	101.7	107.4	109.5	110.6
Apparel products	23	2.3	2.0	92.6	93.1	92.4	92.4	93.7	94.6	93.6	92.6	88.6	90.8	92.5	92.8
Paper and products	26	3.6	3.7	114.5	115.5	113.5	114.8	114.7	115.7	113.7	109.3	114.9	117.0	115.4	116.9
Printing and publishing	27	6.5	6.0	101.7	101.9	101.7	102.2	102.8	103.5	101.6	99.2	96.2	97.5	98.3	102.0
Chemicals and products	28	8.8	9.3	118.8	119.3	119.3	120.1	120.7	120.8	116.5	114.1	114.5	116.8	117.5	119.7
Petroleum products	29	1.3	1.3	107.8	107.1	104.8	104.5	105.8	108.0	109.7	106.3	97.8	97.1	99.3	104.6
Rubber and plastics products	30	3.2	3.4	117.8	119.3	120.3	119.7	121.2	122.2	117.7	116.8	118.2	119.7	121.1	121.7
Leather and products	31	.3	.2	83.5	85.1	84.8	83.1	84.8	85.3	85.6	85.4	82.9	81.5	83.2	83.7
Mining		8.0	7.0	96.9	96.9	97.0	98.7	99.3	99.4	99.4	97.8	97.4	99.1	98.8	98.3
Metal mining	10	.3	.5	168.5	177.3	177.8	167.3	171.1	171.5	168.9	168.7	169.9	170.7	170.6	173.7
Coal mining	12	1.2	1.2	101.1	104.7	104.0	114.4	120.4	120.7	103.8	99.9	104.4	118.3	122.5	119.1
Oil and gas extraction	13	5.8	4.8	91.8	90.9	91.0	91.8	91.2	91.4	94.5	94.2	93.7	92.8	91.0	90.1
Stone and earth minerals	14	.7	.6	98.2	93.9	94.9	95.5	95.3	93.3	99.7	89.8	80.3	82.5	87.3	93.7
Utilities		7.7	8.1	116.1	115.8	121.9	119.6	116.8	116.1	111.3	127.4	145.6	132.0	120.7	109.3
Electric	491,3pt	6.1	6.3	115.2	115.5	119.1	118.1	115.7	115.4	108.0	116.9	125.5	117.3	110.3	104.9
Gas	492,3pt	1.6	1.7	119.4	117.0	132.6	125.2	120.8	118.7	123.5	166.4	220.1	186.6	159.2	125.5
SPECIAL AGGREGATES															
Manufacturing excluding:															
Motor vehicles and parts		79.5	79.7	112.9	114.0	114.0	114.3	115.6	116.2	112.5	110.9	110.1	112.2	113.9	114.6
Computer and office equipment		81.9	80.2	110.2	111.4	111.4	111.9	112.6	112.9	110.0	107.7	107.6	110.2	111.5	111.9
Memo: Motor vehicle assemblies¹															
Total				12.0	12.5	12.8	13.9	13.0	12.5	12.0	10.8	11.6	12.8	14.5	12.4
Autos				6.6	6.8	7.0	7.6	7.2	6.9	6.6	6.0	6.4	7.0	7.9	6.8
Trucks				5.4	5.7	5.9	6.3	5.7	5.6	5.4	4.8	5.3	5.7	6.6	5.7
Light				5.1	5.5	5.5	6.0	5.4	5.3	5.1	4.5	5.0	5.4	6.2	5.3
Heavy and medium				0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3

¹ Millions of units at an annual rate.

Note—Primary processing manufacturing includes textile mill products, paper and products, industrial chemicals, synthetic materials, and fertilizers, petroleum products, rubber and plastics products, lumber and products, primary metals, fabricated metals, and stone, clay, and glass products. Advanced processing manufacturing includes foods, tobacco products, apparel products, printing and publishing, chemical products and other agricultural chemicals, leather and products, furniture and fixtures, industrial and commercial machinery and computer equipment, electrical machinery, transportation equipment, instruments, and miscellaneous manufactures.

Table 2B
INDUSTRIAL PRODUCTION: INDUSTRY GROUPS

Percent change

Item	SIC	1992 Q4 to 1993 Q4	Seasonally adjusted annual rate				Seasonally adjusted				Not seasonally adjusted				Apr. 93 to Apr. 94
			1993 Q2	Q3	Q4	1994 Q1 ^r	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	1994 Jan. ^r	Feb. ^r	Mar. ^r	Apr. ^p	
Total index		4.2	2.3	2.8	6.7	8.1	.5	.5	.5	.3	1.2	1.3	.4	-.6	5.0
Manufacturing		5.0	3.3	2.4	8.4	7.9	.1	.6	.8	.3	.0	2.5	1.4	.3	5.6
Primary processing		5.0	3.4	2.6	8.6	2.4	-.6	-.5	.8	.6	.5	2.1	1.0	1.2	4.5
Advanced processing		5.0	3.2	2.3	8.3	10.4	.4	1.1	.7	.2	-.2	2.7	1.6	-.1	6.1
Durable		7.7	4.2	3.6	14.4	11.0	.3	.7	.6	.4	.0	3.2	1.6	-.4	7.9
Lumber and products	24	5.0	-7.0	11.7	17.6	-3.0	.0	-2.1	1.1	.5	2.7	1.3	2.9	1.1	6.5
Furniture and fixtures	25	5.8	4.2	9.8	1.8	6.8	-.8	1.7	.5	-.2	-3.8	5.7	.4	-.6	5.0
Stone, clay, and glass products	32	5.3	7.0	4.4	10.7	.0	-3.3	-.5	2.4	.3	-4.0	2.0	3.8	3.2	5.7
Primary metals	33	7.5	.2	5.9	11.4	-2.8	-2.1	-2.5	.4	1.1	1.3	2.0	.0	.8	4.3
Iron and steel	331,2	9.4	1.4	9.9	12.1	-8.5	-2.8	-3.6	.1	.9	.9	1.6	-.9	1.2	3.5
Raw steel		5.9	5.2	4.6	6.7	-12.5	-8.0	3.7	.0	1.9	-1.6	6.6	-.4	1.7	4.2
Nonferrous	333-6,9	4.7	-1.6	-.2	10.4	6.7	-1.1	-.9	.9	1.5	1.8	2.7	1.4	.3	5.4
Fabricated metal products	34	5.6	1.8	3.8	9.4	8.0	1.2	-.7	1.0	.6	-2.1	2.4	2.1	.0	5.7
Industrial machinery and equipment	35	17.4	22.2	16.6	15.7	16.4	.4	1.2	2.1	1.4	-.5	3.8	3.0	-.4	16.8
Computer and office equip.	357	33.9	44.1	31.4	35.5	34.4	2.1	2.3	2.7	2.2	2.2	3.5	4.3	-.3	34.2
Electrical machinery	36	10.9	10.4	12.5	9.4	13.0	.4	1.3	1.6	1.5	-1.2	2.6	2.0	.4	12.2
Transportation equipment	37	3.6	-10.7	-16.1	38.6	19.4	1.0	2.2	-2.4	-1.8	4.2	5.5	.1	-2.8	3.5
Motor vehicles and parts	371	16.6	-11.5	-19.1	91.4	45.9	2.6	4.8	-3.9	-2.9	10.4	10.7	-.1	-4.3	14.9
Autos and light trucks		17.0	-16.0	-29.7	124.8	59.6	2.4	8.6	-6.8	-3.7	18.5	15.5	-.1	-5.9	14.3
Aerospace and misc.	372-6,9	-10.8	-9.7	-12.4	-9.5	-12.5	-1.3	-1.9	.1	-.1	-4.0	-2.2	.5	-.4	-10.7
Instruments	38	-2.8	-1.9	-2.9	-5.7	6.3	1.3	.4	.3	-.3	-.4	.7	.1	-.2	-1.1
Miscellaneous	39	2.1	3.7	-.8	2.6	1.5	.3	-.8	1.0	.8	-4.0	.0	2.6	.9	1.0
Nondurable		1.5	2.2	.9	1.0	3.9	-.1	.5	.9	.3	.0	1.6	1.0	1.2	2.5
Foods	20	.6	-.7	3.3	-1.3	5.9	.1	.8	1.7	-.7	-2.1	.8	2.3	-.8	2.8
Tobacco products	21	-15.5	-23.6	-4.4	-25.1	17.1	4.6	-1.2	1.9	1.5	35.5	-.1	-.2	-6.7	-2.7
Textile mill products	22	1.6	4.8	-1.7	-1.0	3.9	.4	.7	1.0	-.2	4.3	5.7	1.9	1.0	2.1
Apparel products	23	-1.7	-2.0	-2.1	-1.5	.8	-.8	.0	1.4	1.0	-4.4	2.5	1.9	.4	1.4
Paper and products	26	5.6	10.3	-5.0	9.2	.3	-1.8	1.2	-.1	.9	5.2	1.8	-1.4	1.3	2.1
Printing and publishing	27	1.2	2.2	-1.9	2.2	2.0	-.2	.4	.6	.7	-3.1	1.4	.9	3.8	.9
Chemicals and products	28	2.3	5.5	2.8	.2	4.8	.0	.6	.5	.1	.3	2.0	.6	1.9	2.9
Petroleum products	29	2.6	.4	-.1	15.0	-9.5	-2.1	-.3	1.2	2.1	-8.0	-.7	2.3	5.3	3.7
Rubber and plastics products	30	4.8	2.9	6.8	2.8	8.8	.8	-.5	1.3	.8	1.2	1.3	1.2	.5	6.2
Leather and products	31	-3.4	-7.9	-7.9	2.8	.1	-.4	-2.0	2.1	.6	-3.0	-1.7	2.1	.5	-.5
Mining		-.8	.4	-2.9	2.1	4.4	.1	1.8	.6	.1	-.4	1.7	-.3	-.5	2.0
Metal mining	10	6.5	5.1	-17.6	36.3	-4.1	.3	-5.9	2.3	.2	.7	.5	-.1	1.8	3.5
Coal mining	12	-3.2	-2.6	-12.7	8.6	42.4	-.6	10.0	5.2	.2	4.5	13.3	3.5	-2.7	15.4
Oil and gas extraction	13	-1.3	1.8	.1	-3.0	-1.9	.1	.8	-.6	.3	-.5	-1.0	-1.9	-1.0	-1.3
Stone and earth minerals	14	2.0	-9.1	7.5	7.2	-.7	1.1	.6	-.3	-2.1	-10.6	2.8	5.8	7.3	1.8
Utilities		.9	-6.4	12.6	-6.5	13.9	5.3	-1.9	-2.3	-.6	14.2	-9.3	-8.5	-9.5	1.4
Electric	491,3pt	.4	-1.4	11.7	-10.4	10.1	3.1	-.8	-2.0	-.3	7.3	-6.5	-5.9	-4.9	.6
Gas	492,3pt	2.8	-22.7	16.1	9.5	28.7	13.3	-5.5	-3.5	-1.8	32.2	-15.2	-14.7	-21.2	4.2
SPECIAL AGGREGATES															
Manufacturing excluding:															
Motor vehicles and parts		4.3	4.4	3.9	4.4	5.6	-.1	.3	1.1	.6	-.7	1.9	1.5	.6	5.0
Computer and office equipment		3.6	1.5	.9	6.9	6.4	.0	.5	.6	.2	-.1	2.4	1.2	.3	4.0

Note—Percent changes shown in the first and last columns are based on seasonally adjusted data.

Table 3
CAPACITY UTILIZATION: MANUFACTURING, MINING, AND UTILITIES

Percent of capacity, seasonally adjusted

Item	SIC	1993 Proportion	1967- 1993 Ave.	1973 High	1978- 1980 High	1982 Low	1988- 1989 High	1990- 1991 Low	1993 Apr.	1993 Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	Apr. ^p
Total industry		100.0	81.9	89.2	87.3	71.8	84.8	78.1	81.4	82.2	82.9	83.2	83.4	83.6	83.6
Manufacturing		85.9	81.2	88.9	87.3	70.0	85.1	76.7	80.6	81.5	82.3	82.2	82.5	82.9	83.0
Primary processing		25.5	82.2	92.2	89.7	66.8	89.1	78.0	83.6	85.5	86.4	85.9	85.3	85.9	86.3
Advanced processing		60.4	80.6	87.5	86.3	71.4	83.3	76.0	79.3	79.8	80.6	80.7	81.3	81.6	81.6
Durable		49.4	79.0	88.8	86.9	65.0	83.9	73.8	78.7	80.6	81.9	81.9	82.2	82.4	82.4
Lumber and products	24	1.7	83.1	90.1	87.6	60.9	93.3	76.2	85.7	91.0	91.3	91.2	89.2	90.1	90.5
Furniture and fixtures	25	1.4	81.7	96.8	86.6	68.9	86.8	71.6	79.6	80.3	81.8	81.1	82.4	82.7	82.4
Stone, clay, and glass products	32	2.3	77.9	89.2	87.0	63.1	83.7	71.6	76.2	77.8	80.8	78.1	77.6	79.5	79.6
Primary metals		3.0	80.1	100.6	102.4	46.8	92.9	74.4	85.0	89.5	92.2	90.3	88.0	88.4	89.4
Iron and steel	331.2	1.8	79.8	105.8	110.4	38.3	95.7	72.2	85.3	90.6	94.5	91.9	88.6	88.7	89.5
Raw steel		0.1	79.2	102.7	95.7	35.2	92.7	71.4	83.6	86.8	90.8	83.6	86.7	86.7	88.4
Nonferrous	333-6.9	1.2	80.9	92.9	90.5	62.2	88.9	75.8	84.6	88.0	88.9	87.9	87.2	88.0	89.3
Primary copper	3331	0.0	72.4	92.1	80.8	42.1	85.9	73.6	89.2	81.5	86.3	86.8	86.0	81.2	
Primary aluminum	3334	0.1	89.2	95.7	97.6	58.6	100.4	97.3	91.7	83.0	82.8	82.3	81.2	80.3	78.6
Fabricated metal products		5.1	77.2	87.8	83.9	62.9	82.0	72.0	76.7	79.0	79.4	80.4	79.9	80.7	81.2
Industrial machinery and equipment	35	10.9	80.8	96.4	92.1	64.9	83.7	71.4	81.3	85.3	87.0	86.7	87.0	88.1	88.6
Computer and office equip.	357	4.7	80.5	90.9	93.5	63.1	84.4	63.4	79.3	87.3	89.0	89.6	90.0	90.8	91.2
Electrical machinery	36	7.9	80.4	87.8	89.4	71.1	84.9	77.3	82.0	83.7	84.8	84.7	85.2	86.0	86.8
Transportation equipment		10.4	74.9	83.8	82.7	56.7	84.2	70.5	74.0	75.2	76.7	77.5	79.1	77.1	75.6
Motor vehicles and parts	371	5.4	75.7	93.4	93.0	44.5	84.5	57.3	79.1	84.8	88.5	90.5	94.4	90.4	87.4
Autos and light trucks ¹		2.7		92.2	40.1	89.6	53.7	81.1	81.1	86.6	90.7	92.5	100.0	92.7	88.8
Aerospace and misc.	372-6.9	5.0	75.5	77.0	81.1	66.9	88.3	78.5	68.6	64.5	63.7	63.0	61.9	62.2	62.2
Instruments	38	5.3	82.0	89.9	92.5	79.0	81.2	76.1	75.3	72.6	72.4	73.3	73.5	73.7	73.4
Miscellaneous	39	1.3	75.6	82.9	78.7	66.1	80.1	72.9	76.3	75.3	75.3	75.4	74.7	75.4	75.8
Nondurable		36.4	83.5	87.9	87.0	76.9	86.8	80.4	83.1	82.6	82.9	82.7	82.9	83.6	83.7
Foods	20	8.8	82.3	86.0	84.3	78.8	83.3	80.8	80.1	79.2	79.5	79.4	79.9	81.1	80.3
Textile mill products	22	1.6	86.2	92.0	91.7	73.8	92.1	78.5	90.4	90.0	89.4	89.6	90.1	90.9	90.5
Apparel products	23	2.0	81.1	84.2	86.0	78.9	84.2	74.9	80.0	79.8	80.3	79.7	79.7	80.9	81.7
Paper and products	26	3.3	89.7	96.9	94.2	82.0	94.9	86.3	91.3	91.4	92.1	90.4	91.3	91.1	91.7
Pulp and paper	261-3	1.5	92.2	97.1	98.2	82.1	98.1	90.2	94.0	93.5	93.2	92.8	93.7	94.5	
Printing and publishing	27	5.9	86.5	89.7	92.2	83.0	92.3	78.5	83.2	82.1	82.3	82.1	82.4	82.8	83.3
Chemicals and products	28	9.4	80.0	87.9	85.1	70.1	85.9	79.4	81.0	81.0	81.2	81.0	81.3	81.6	81.4
Plastics materials	2821	0.8	85.5	102.0	90.9	63.4	97.0	75.3	87.2	85.2	90.3	87.3	88.2		
Synthetic fibers	2823.4	0.4	84.8	93.8	98.5	64.4	99.7	76.6	85.5	84.8	82.3	87.7	86.8	89.1	
Petroleum products	29	1.1	85.5	96.7	89.5	68.2	88.5	84.5	89.9	93.3	92.7	90.8	90.6	91.6	93.6
Rubber and plastics products	30	3.3	83.6	94.0	90.4	73.5	90.5	78.3	83.4	84.0	84.9	85.4	84.7	85.6	86.1
Leather and products	31	0.2	81.9	81.3	92.4	78.1	83.8	76.4	81.8	81.5	83.3	83.3	81.9	83.8	84.6
Mining		6.6	87.4	94.4	96.6	80.6	87.0	86.8	87.4	87.5	87.5	87.6	89.2	89.8	89.9
Metal mining	10	0.5	78.3	90.3	87.6	43.4	87.5	80.0	86.7	87.4	91.9	92.0	86.4	88.2	88.2
Coal mining	12	1.2	87.0	90.8	95.7	75.4	91.4	82.9	81.1	77.9	80.6	80.0	87.9	92.4	92.6
Oil and gas extraction	13	4.3	88.3	96.6	96.9	82.5	86.9	87.8	90.4	90.6	89.9	90.1	90.9	90.4	90.7
Oil and gas well drilling	138	0.5	72.5	93.0	104.3	50.8	60.7	53.0	58.6	68.5	68.5	69.1	73.6	74.9	76.1
Stone and earth minerals	14	0.6	83.8	93.7	93.3	63.3	90.0	77.9	77.9	83.5	79.9	80.8	81.3	81.1	79.3
Utilities		7.6	86.7	95.6	88.3	76.2	92.6	83.1	85.8	86.4	86.2	90.6	88.8	86.6	86.0
Electric	491,3pt	5.8	88.8	99.0	88.3	78.7	94.8	86.3	87.8	87.5	87.6	90.2	89.3	87.4	87.0
Gas	492,3pt	1.7	82.5	93.2	93.6	70.8	85.5	68.3	79.1	82.9	81.3	92.1	87.0	83.9	82.4

1. Series begins in 1977.

Note—Primary processing manufacturing includes textile mill products, paper and products, industrial chemicals, synthetic materials, and fertilizers, petroleum products, rubber and plastic products, lumber and products, primary metals, fabricated metals, and stone, clay, and glass products. Advanced processing manufacturing includes foods, tobacco products, apparel products, printing and publishing, chemical products and other agricultural chemicals, leather and products, furniture and fixtures, industrial and commercial machinery and computer equipment, electrical machinery, transportation equipment, instruments, and miscellaneous manufactures.

Table 4
INDUSTRIAL CAPACITY: MANUFACTURING, MINING, AND UTILITIES

Item	SIC	Percent change							Capacity indexes							
		Annual rate			December to December				Percent of 1987 output							
		1967-1993 Ave.	1967-1975 Ave.	1975-1993 Ave.	1989	1990	1991	1992	1993	1993 Apr.	1993 Nov.	1993 Dec.	1994 Jan.	1994 Feb.	1994 Mar.	1994 Apr.
Total industry		2.8	3.7	2.4	1.9	1.9	1.6	1.7	1.9	135.7	137.2	137.4	137.7	138.0	138.3	138.7
Manufacturing		3.2	3.9	2.9	2.4	2.1	1.9	2.0	2.2	138.2	140.0	140.2	140.5	140.9	141.3	141.7
Primary processing		2.1	4.0	1.2	1.9	1.7	1.1	1.0	1.1	127.8	128.6	128.7	128.9	129.0	129.2	129.3
Advanced processing		3.8	3.9	3.7	2.6	2.2	2.2	2.4	2.7	143.1	145.4	145.7	146.1	146.6	147.0	147.5
Durable		3.4	3.7	3.3	2.4	2.0	1.8	2.2	2.6	144.1	146.3	146.7	147.1	147.6	148.1	148.6
Lumber and products	24	1.7	2.9	1.1	1.0	.6	.1	.3	.7	114.7	115.2	115.3	115.3	115.4	115.5	115.6
Furniture and fixtures	25	3.0	4.5	2.3	2.7	2.2	.6	.8	1.4	128.7	129.8	129.9	130.1	130.2	130.4	130.6
Stone, clay, and glass products	32	1.4	2.5	.8	.4	.7	.3	1.0	1.1	128.4	129.2	129.4	129.5	129.6	129.7	129.8
Primary metals	33	-2	1.7	-1.1	1.4	.5	-1.1	-1.5	-1.1	123.4	122.6	122.5	122.4	122.4	122.4	122.4
Iron and steel	331,2	-1.0	.7	-1.8	2.1	.8	-1.4	-2.4	-1.8	127.6	126.3	126.1	126.0	126.0	126.0	126.0
Raw steel		-1.2	.3	-2.0	1.7	-.2	-1.7	-2.3	-2.0	123.8	122.3	122.1	122.0	122.0	122.0	122.0
Nonferrous	333-6,9	1.2	3.6	.1	.2	.0	-.7	.0	-.1	117.7	117.6	117.6	117.6	117.5	117.5	117.5
Primary copper	3331	-2	1.8	-1.2	2.4	.3	.3	4.1	1.7	137.7	139.0	139.2	139.3	139.4	139.4	139.5
Primary aluminum	3334	1.4	5.2	-.5	1.2	.4	.6	.3	.5	124.6	124.9	125.0	125.0	125.0	125.0	125.0
Fabricated metal products	34	1.5	3.1	.8	.5	.3	-.1	-.2	-.2	129.3	129.2	129.2	129.2	129.2	129.2	129.1
Industrial machinery and equipment	35	6.5	4.7	7.4	2.5	4.9	5.4	5.2	6.0	172.3	178.2	179.0	180.2	181.7	183.2	184.7
Computer and office equip.	357	20.1	12.0	24.3	8.7	15.8	14.2	13.3	14.0	263.9	284.7	287.6	291.8	297.2	302.5	307.9
Electrical machinery	36	5.2	6.1	4.7	4.3	3.5	2.6	2.9	5.2	153.1	157.7	158.4	159.2	160.3	161.3	162.3
Transportation equipment	37	2.6	3.0	2.4	3.0	.8	.8	2.1	1.2	143.1	144.1	144.2	144.4	144.6	144.8	144.9
Motor vehicles and parts	371	3.1	4.5	2.5	3.2	1.0	1.8	3.7	3.5	153.0	156.1	156.5	157.1	157.8	158.4	159.1
Autos and light trucks ¹					2.0	.7	1.0	5.1	3.5	149.2	152.1	152.6	153.2	154.0	154.8	155.6
Aerospace and misc.	372-6,9	1.9	1.3	2.3	2.7	.6	-.1	.5	-1.2	133.8	132.8	132.7	132.5	132.2	131.9	131.7
Instruments	38	5.2	7.6	4.0	2.9	1.2	1.3	1.4	1.5	139.9	141.1	141.3	141.4	141.6	141.7	141.9
Miscellaneous	39	2.1	4.4	1.0	1.4	1.6	1.7	1.7	1.6	144.9	146.3	146.5	146.7	146.9	147.1	147.3
Nondurable		2.9	4.3	2.2	2.3	2.1	1.9	1.7	1.7	130.9	132.1	132.3	132.5	132.7	133.0	133.2
Foods	20	2.6	3.0	2.4	1.1	1.4	2.2	2.5	2.5	135.0	136.9	137.2	137.5	137.8	138.1	138.4
Textile mill products	22	2.0	4.3	.9	1.8	1.6	.9	1.0	1.8	118.7	119.9	120.1	120.3	120.5	120.7	120.9
Apparel products	23	1.2	2.3	.7	.5	.1	-.6	-.8	-.8	116.6	116.1	116.0	116.0	115.9	115.8	115.8
Paper and products	26	2.7	3.9	2.1	2.8	3.0	2.4	1.7	1.6	124.1	125.3	125.4	125.6	125.8	125.9	126.1
Pulp and paper	261-3	2.4	3.0	2.1	2.3	2.8	3.0	1.9	1.7	121.6	122.8	123.0	123.1	123.3	123.5	123.7
Printing and publishing	27	3.1	3.0	3.2	3.1	2.9	1.5	.7	.7	123.3	123.8	123.9	124.0	124.1	124.2	124.3
Chemicals and products	28	3.8	6.8	2.4	3.6	2.4	2.9	2.6	2.3	144.8	146.8	147.0	147.3	147.7	148.0	148.3
Plastics materials	2821	6.8	12.7	4.0	6.4	2.5	2.4	1.5	2.9	129.8	132.0	132.3	132.7	133.0	133.3	133.6
Synthetic fibers	2823,4	4.5	9.7	2.0	2.5	1.2	2.8	6.6	3.9	132.3	135.2	135.6	136.0	136.4	136.9	137.3
Petroleum products	29	1.5	4.2	.3	-.7	1.0	-1.0	-1.3	-.5	115.9	115.6	115.5	115.5	115.4	115.4	115.4
Rubber and plastics products	30	5.5	8.6	4.0	3.8	4.0	3.3	3.3	3.0	137.9	140.2	140.6	140.9	141.2	141.6	141.9
Leather and products	31	-3.4	-1.5	-4.3	-3.4	-3.5	-3.5	-3.6	-3.8	104.8	102.5	102.2	101.8	101.5	101.2	100.8
Mining		.0	-.1	.1	-2.0	-1.3	-.5	-1.1	-1.1	111.5	110.8	110.7	110.7	110.6	110.6	110.6
Metal mining	10	1.4	.7	1.8	10.9	4.8	1.9	1.6	1.5	191.1	192.7	192.9	193.3	193.6	194.0	194.4
Coal mining	12	2.5	2.5	2.5	2.1	2.1	2.1	.9	1.1	129.0	129.8	129.9	130.1	130.2	130.3	130.4
Oil and gas extraction	13	-.6	-1.0	-.4	-4.2	-2.9	-1.4	-2.0	-2.1	102.5	101.3	101.1	101.0	100.9	100.8	100.8
Oil and gas well drilling	138	.3	.8	.1	-9.7	-9.5	-5.5	-8.2	-9.4	128.4	121.1	120.0	119.2	118.7	118.2	117.7
Stone and earth minerals	14	.8	2.6	.0	.3	-.2	-.5	-.1	-.1	117.6	117.5	117.5	117.5	117.5	117.5	117.5
Utilities		3.0	6.0	1.5	.7	2.6	1.2	1.2	1.0	133.5	134.3	134.4	134.5	134.7	134.8	135.0
Electric	491,3pt	4.1	7.8	2.4	1.0	3.4	1.6	1.5	1.3	130.7	131.7	131.8	132.0	132.2	132.4	132.6
Gas	492,3pt	.3	2.3	-.7	.1	.0	.0	.0	.0	144.0	144.0	144.0	144.0	144.0	144.0	144.0

1. Series begins in 1977.

Table 5A
INDUSTRIAL PRODUCTION, CAPACITY AND UTILIZATION FOR TOTAL INDUSTRY: HISTORICAL DATA

Seasonally adjusted

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Q1	Q2	Q3	Q4	Annual
Industrial Production, Percent Change¹																	
1982	-2.0	2.1	-5	-6	-6	-3	-6	-5	-7	-9	-3	-9	-6.8	-3.1	-6.0	-8.0	-4.4
1983	1.9	.0	.8	1.2	1.1	.6	1.8	1.4	1.7	.8	.2	.5	5.7	11.1	17.8	11.2	3.7
1984	2.0	-1.	1.0	.6	.7	.5	.4	.1	-1	-7	.0	-6	11.2	7.7	4.0	-3.4	9.3
1985	.4	.7	.3	.4	.2	-3	-3	.5	.5	-8	.4	1.0	2.4	3.8	.1	1.2	1.7
1986	.5	-7	-9	.2	.0	-5	.5	.2	.1	.7	.7	.6	2.4	-3.4	1.3	5.8	.9
1987	-3	1.4	.4	.5	.6	.9	.4	.3	-2	1.3	.1	.7	5.5	8.1	5.2	6.5	4.9
1988	.3	.2	.0	.8	-3	.0	.6	.6	-5	.3	.6	.6	3.8	3.0	2.9	3.0	4.4
1989	.3	-5	.9	.0	-3	-3	-1.0	.5	-4	-4	.4	.7	3.9	.3	-4.4	-2	1.5
1990	-5	.5	.3	-7	.7	.2	-2	.3	.0	-5	-1.3	-4	2.1	1.1	1.6	-5.2	.0
1991	-4	-1.1	-8	.2	.9	.9	.2	.1	.8	-2	-2	-3	-7.8	1.0	5.7	.3	-1.8
1992	-3	.8	.5	.7	.4	-5	.5	-3	.1	.9	.7	.6	.3	5.6	.6	6.4	2.3
1993	.2	.6	.1	.4	-4	.3	.4	.6	.6	.8	1.0	.6	5.2	2.3	2.8	6.7	4.1
1994	.5	.5	.5	.3									8.1				
Industrial Production																	
1982	82.4	84.2	83.7	83.2	82.7	82.4	82.0	81.6	81.0	80.3	80.0	79.3	83.4	82.8	81.5	79.8	81.9
1983	80.8	80.7	81.3	82.3	83.2	83.7	85.3	86.5	87.9	88.6	88.8	89.2	80.9	83.1	86.6	88.9	84.9
1984	91.0	90.9	91.9	92.4	93.0	93.5	93.9	94.0	93.9	93.2	93.3	92.8	91.3	93.0	93.9	93.1	92.8
1985	93.1	93.8	94.1	94.5	94.7	94.4	94.1	94.5	95.0	94.2	94.6	95.6	93.6	94.5	94.6	94.8	94.4
1986	96.1	95.5	94.6	94.8	94.7	94.3	94.8	94.9	95.0	95.6	96.3	96.8	95.4	94.6	94.9	96.2	95.3
1987	96.5	97.9	98.2	98.8	99.4	100.3	100.6	100.9	100.7	102.1	102.2	102.8	97.5	99.5	100.8	102.3	100.0
1988	103.2	103.4	103.4	104.3	104.0	104.0	104.6	105.2	104.7	105.0	105.6	106.3	103.3	104.1	104.8	105.6	104.4
1989	106.6	106.2	107.1	107.1	106.7	106.4	105.3	105.8	105.4	105.0	105.4	106.1	106.6	106.7	105.5	105.5	106.0
1990	105.5	106.1	106.4	105.7	106.5	106.7	106.5	106.8	106.8	106.3	105.0	104.5	106.0	106.3	106.7	105.3	106.0
1991	104.2	103.0	102.3	102.5	103.4	104.3	104.5	104.6	105.4	105.2	105.0	104.6	103.2	103.4	104.9	104.9	104.1
1992	104.3	105.2	105.6	106.4	106.8	106.2	106.8	106.5	106.6	107.5	108.3	109.0	105.0	106.5	106.6	108.3	106.5
1993	109.2	109.9	110.0	110.5	110.0	110.4	110.9	111.1	111.3	111.9	112.8	114.0	109.7	110.3	111.1	112.9	110.9
1994	114.6	115.1	115.7	116.0									115.1				
Capacity																	
1982	107.8	108.1	108.3	108.6	108.8	109.0	109.3	109.5	109.8	110.0	110.2	110.5	108.1	108.8	109.5	110.2	109.2
1983	110.7	110.9	111.1	111.3	111.6	111.8	112.0	112.2	112.4	112.6	112.8	113.1	110.9	111.6	112.2	112.8	111.9
1984	113.3	113.5	113.7	113.9	114.2	114.4	114.6	114.8	115.0	115.3	115.5	115.7	113.5	114.2	114.8	115.5	114.5
1985	116.0	116.2	116.5	116.8	117.1	117.3	117.6	117.9	118.2	118.4	118.7	119.0	116.2	117.1	117.9	118.7	117.5
1986	119.2	119.4	119.6	119.8	120.0	120.2	120.4	120.6	120.8	121.0	121.2	121.4	119.4	120.0	120.6	121.2	120.3
1987	121.6	121.8	122.0	122.2	122.4	122.6	122.8	123.0	123.2	123.4	123.6	123.8	121.8	122.4	123.0	123.6	122.7
1988	124.0	124.1	124.3	124.4	124.6	124.7	124.9	125.0	125.2	125.3	125.5	125.6	124.1	124.6	125.0	125.5	124.8
1989	125.8	126.0	126.2	126.4	126.6	126.8	127.0	127.2	127.4	127.6	127.8	128.0	126.0	126.6	127.2	127.8	126.9
1990	128.2	128.4	128.6	128.8	129.0	129.2	129.4	129.6	129.8	130.0	130.2	130.4	128.4	129.0	129.6	130.2	129.3
1991	130.6	130.8	131.0	131.1	131.3	131.5	131.7	131.8	132.0	132.2	132.4	132.6	130.8	131.3	131.8	132.4	131.6
1992	132.7	132.9	133.1	133.3	133.5	133.7	133.9	134.1	134.3	134.5	134.6	134.8	132.9	133.5	134.1	134.6	133.8
1993	135.0	135.3	135.5	135.7	135.9	136.1	136.3	136.5	136.8	137.0	137.2	137.4	135.3	135.9	136.5	137.2	136.2
1994	137.7	138.0	138.3	138.7									138.0				
Utilization																	
1982	76.4	77.9	77.3	76.7	76.0	75.6	75.0	74.5	73.8	73.0	72.6	71.8	77.2	76.1	74.4	72.4	75.0
1983	73.0	72.8	73.2	73.9	74.6	74.9	76.1	77.1	78.2	78.7	78.7	78.9	73.0	74.5	77.2	78.8	75.8
1984	80.4	80.1	80.8	81.1	81.5	81.8	81.9	81.8	81.6	80.9	80.8	80.2	80.4	81.4	81.8	80.6	81.1
1985	80.3	80.7	80.7	80.9	80.9	80.5	80.0	80.2	80.4	79.6	79.7	80.4	80.6	80.7	80.2	79.9	80.3
1986	80.6	79.9	79.1	79.1	78.9	78.4	78.7	78.7	78.7	79.1	79.4	79.8	79.9	78.8	78.7	79.4	79.2
1987	79.3	80.3	80.5	80.8	81.2	81.8	81.9	82.0	81.8	82.7	82.7	83.1	80.1	81.3	81.9	82.8	81.5
1988	83.2	83.3	83.2	83.8	83.5	83.4	83.8	84.2	83.6	83.8	84.2	84.6	83.2	83.6	83.9	84.2	83.7
1989	84.8	84.3	84.8	84.7	84.3	83.9	82.9	83.2	82.7	82.3	82.4	82.8	84.6	84.3	82.9	82.5	83.6
1990	82.3	82.6	82.7	82.1	82.5	82.5	82.3	82.4	82.3	81.8	80.6	80.2	82.5	82.4	82.3	80.9	82.0
1991	79.8	78.8	78.1	78.2	78.7	79.3	79.4	79.4	79.9	79.6	79.3	78.9	78.9	78.8	79.5	79.3	79.1
1992	78.6	79.1	79.4	79.8	80.0	79.5	79.8	79.4	79.4	80.0	80.4	80.8	79.0	79.8	79.5	80.4	79.7
1993	80.9	81.2	81.2	81.4	81.0	81.1	81.3	81.4	81.4	81.7	82.2	82.9	81.1	81.2	81.4	82.3	81.5
1994	83.2	83.4	83.6	83.6									83.4				

1. Quarterly percent changes are at annual rates. Annual percent changes are calculated from annual averages.

Table 6 (continued)
INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Item	SIC	Proportion in total IP		Index, 1987 = 100												
		1987	1993	Seasonally adjusted						Not seasonally adjusted						
				1993 Oct.	Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	1993 Oct.	Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	
Furniture and fixtures	25	1.47	1.37	104.8	104.2	106.3	105.4	107.3	107.8	106.1	104.1	104.9	100.9	106.7	107.1	
Household furniture	251	.69	.63	103.3	102.8	104.6	104.1	106.8	107.6	105.1	102.9	103.8	98.6	107.8	109.2	
Paper and products	26	3.65	3.70	112.7	114.5	115.5	113.5	114.8	114.7	115.9	113.7	109.3	114.9	117.0	115.4	
Pulp and paper	261-3	1.68	1.71	113.1	114.8	114.6	114.2	115.5	116.7	114.1	115.5	111.8	116.0	117.9	117.0	
Wood pulp	261	.16	.16	107.3	110.7	111.0	109.0	108.0	107.8	107.5	108.7	110.3	112.4	110.4	106.7	
Paper	262	1.01	1.03	112.8	114.1	114.5	113.6	115.6	116.0	115.1	115.8	110.5	115.4	117.9	116.1	
Paperboard	263	.50	.52	115.6	117.6	115.9	117.3	117.8	121.1	114.2	116.9	115.0	118.4	120.3	122.3	
Paper products	265,7	1.97	1.99	112.4	114.3	116.5	112.8	114.2	113.0	117.4	112.3	107.1	114.0	116.3	114.0	
Paperboard containers	265	.71	.75	121.4	122.7	126.3	120.5	121.4	123.1	132.3	116.2	108.3	121.2	121.1	122.6	
Converted paper products	267	1.26	1.23	107.4	109.5	111.0	108.5	110.2	107.4	109.0	110.1	106.4	110.0	113.5	109.2	
Printing and publishing	27	6.51	5.95	101.6	101.7	101.9	101.7	102.2	102.8	104.8	101.6	99.2	96.2	97.5	98.3	
Newspapers	271	1.76	1.28	80.2	80.2	80.9	82.7	82.0	80.6	87.7	85.8	80.7	77.1	80.7	77.7	
Periodicals, books, and cards	272,3,7	1.79	1.65	103.5	102.2	100.5	101.0	101.2	103.0	100.6	100.8	102.7	101.0	101.7	104.7	
Job printing	274-6,8,9	2.97	3.02	113.0	113.9	115.5	113.5	114.8	116.0	117.5	111.5	108.2	104.6	104.9	106.7	
Chemicals and products	28	8.76	9.31	117.8	118.8	119.3	119.3	120.1	120.7	119.2	116.5	114.1	114.5	116.8	117.5	
industrial chemicals and synthetic materials	281,2,6	3.66	3.91	119.0	120.4	122.2	121.7	121.4	121.8	120.2	120.7	119.1	119.7	122.7	121.9	
Basic chemicals	281	.81	.94	127.6	131.9	132.0	129.1	129.2	129.4	128.6	131.8	127.9	127.2	134.4	129.4	
Alkalies and chlorine	2812	.05	.05	107.9	108.7	112.5	106.5	112.3	105.9	107.5	108.1	110.8	107.4	113.3	106.9	
Inorganic pigments	2816	.10	.11	108.9	121.3	117.8	111.4	115.0	124.4	106.1	117.6	114.5	108.0	120.3	128.4	
Inorganic chemicals, nec	2819	.54	.64	131.6	135.4	135.6	133.0	131.8	130.9	133.9	135.8	131.1	130.9	137.8	129.8	
Acids and other		.33	.40	138.9	140.7	140.7	137.5	135.8	135.5	141.1	142.8	133.2	133.9	147.0	132.2	
Synthetic materials	282	1.29	1.33	113.0	114.6	117.9	118.1	118.6	119.4	116.2	114.5	110.7	114.0	119.9	120.7	
Plastics materials	2821	.79	.80	111.1	112.5	119.6	115.8	117.2		114.3	112.2	110.5	112.2	118.1		
Synthetic fibers	2823,4	.41	.43	111.4	114.6	111.6	119.3	118.4	121.9	115.3	114.6	108.0	114.0	119.7	119.3	
Industrial organic chemicals	286	1.56	1.64	119.5	119.2	120.6	120.9	119.6	119.8	119.0	120.0	121.5	120.5	119.0	118.8	
Chemical products	283-5,9	4.65	4.88	116.3	116.5	116.2	116.3	117.9	118.6	117.9	111.9	108.8	108.8	110.6	112.4	
Drugs and medicines	283	2.04	2.47	135.8	135.7	135.6	136.8	139.2	139.4	138.1	130.6	128.3	126.8	128.2	128.2	
Soap and toiletries	284	1.57	1.51	105.5	105.0	104.5	102.0	104.5	107.0	106.8	102.5	99.2	97.7	99.9	103.8	
Paints	285	.45	.36	89.3	90.2	90.4	89.8	89.7	90.0	87.8	77.0	65.3	74.5	84.3	89.6	
Agricultural chemicals	287	.46	.52	127.0	129.3	129.3	130.7	130.6	133.3	125.1	130.3	128.2	130.5	131.6	133.5	
Petroleum products	29	1.34	1.27	108.2	107.8	107.1	104.8	104.5	105.8	109.6	109.7	106.3	97.8	97.1	99.3	
Petroleum refining and misc.	291,9	1.13	1.08	109.7	108.9	107.5	103.9	104.0	105.1	109.1	109.3	107.1	99.3	98.5	100.4	
Miscellaneous petroleum products		.23	.22	111.9	109.5	108.1	101.2	105.6	104.0	112.1	100.6	91.0	81.5	91.1	98.1	
Distillate fuel oil		.20	.21	122.0	120.7	117.4	117.4	119.4	118.0	125.9	127.5	124.1	114.3	110.7	112.0	
Residual fuel oil		.05	.04	102.9	99.7	90.1	87.9	91.6	93.9	94.8	101.8	98.2	91.8	97.1	97.2	
Aviation fuel and kerosene		.11	.10	95.7	98.3	104.2	107.5	102.4	99.7	97.0	101.7	107.5	109.3	103.1	97.8	
Automotive gasoline		.54	.51	107.6	107.2	105.8	100.9	99.1	103.0	105.3	108.5	108.4	100.0	96.3	97.9	
Paving and roofing materials	295	.21	.19	100.2	102.5	105.7	110.8	109.2	110.5	112.6	111.4	101.7	89.7	89.5	93.3	
Rubber and plastics products	30	3.21	3.35	116.5	117.8	119.3	120.3	119.7	121.2	119.1	117.7	116.8	118.2	119.7	121.1	
Tires	301	.40	.46	128.3	124.2	126.0	132.0	129.3	129.6	137.7	117.9	106.2	134.7	141.6	138.3	
Other rubber products	302,5,6	.56	.55	106.4	108.6	111.3	112.3	109.5	112.5	109.7	108.6	107.3	104.8	108.0	111.7	
Plastics products, nec	308	2.25	2.35	117.2	119.1	120.3	120.1	120.4	121.8	118.2	119.9	121.1	118.6	118.7	120.4	
Leather and products	31	.32	.24	83.9	83.5	85.1	84.8	83.1	84.8	85.8	85.6	85.4	82.9	81.5	83.2	
Shoes	314	.16	.11	77.3	76.1	76.1	76.5	75.0	75.2	77.9	77.5	76.8	76.0	72.9	72.1	
Stone, clay, and glass products	32	2.41	2.15	99.7	100.5	104.6	101.1	100.6	103.1	104.5	101.1	98.2	94.4	96.3	100.0	
Pressed and blown glass	322	.37	.34	100.9	103.3	118.2	98.0	102.0	103.4	104.9	100.9	98.8	91.1	102.9	105.3	
Glass containers	3221	.20	.17	91.3	95.5	121.4	86.8	92.5	94.7	96.0	89.5	89.1	79.4	96.4	99.8	
Cement	324	.17	.14	99.4	100.6	105.1	91.7	91.8		121.3	99.3	76.2	57.1	66.0		
Structural clay products	325	.13	.11	93.4	94.8	95.9	105.8	111.0	111.7	98.8	96.4	89.9	96.2	107.6	110.4	
Concrete and miscellaneous	326-9	1.43	1.22	96.0	96.0	97.4	95.7	93.8	96.3	99.1	97.9	96.8	93.1	90.9	93.9	

Table 6 (continued)
INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES

Item	SIC	Proportion in total IP		Index, 1987 = 100											
		1987	1993	Seasonally adjusted						Not seasonally adjusted					
				1993 Oct.	Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	1993 Oct.	Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f
Instruments	38	5.13	4.81	102.7	102.4	102.3	103.7	104.1	104.4	103.7	103.0	102.4	102.0	102.7	102.8
Scientific and medical	381-4	4.07	3.79	102.2	101.8	101.4	102.3	103.2	103.9	103.4	102.4	101.3	100.3	101.5	101.9
Medical instruments	384	1.06	1.40	145.6	144.4	143.8	148.1	151.7	153.0	151.3	144.7	137.1	138.7	144.2	144.5
Misc. manufactures	39	1.26	1.24	109.6	110.1	110.3	110.7	109.8	110.8	113.7	113.8	111.4	107.0	107.0	109.8
Consumer goods	391,3,4,6	.65	.62	105.3	106.6	107.3	108.4	107.0	107.9	111.1	112.2	108.0	103.9	104.7	107.4
Business supplies	395,9	.61	.62	113.5	113.7	113.7	113.2	112.7	113.9	116.5	115.4	115.1	110.4	109.5	112.4
Electric utilities	491,3pt	6.07	6.34	113.7	115.2	115.5	119.1	118.1	115.7	107.2	108.0	116.9	125.5	117.3	110.3
Generation		2.57	2.66	111.4	113.5	113.5	116.6	116.3	113.7	102.4	107.9	115.2	121.1	117.2	107.8
Fossil fuel		1.46	1.42	107.6	110.1	110.4	116.8	111.5		102.4	105.0	108.6	116.7	109.3	
Hydro and nuclear		1.11	1.24	116.4	117.9	117.5	116.3	122.6		102.4	111.7	124.0	126.9	127.6	
Sales		3.50	3.68	115.5	116.5	117.0	120.9	119.3	117.2	110.7	108.1	118.1	128.7	117.4	112.2
Residential		1.42	1.49	114.8	116.3	115.7	123.7	120.9		101.4	102.6	123.5	146.3	126.3	
Nonresidential		2.08	2.19	116.0	116.6	117.9	118.9	118.3	117.3	117.0	111.8	114.5	116.7	111.3	112.1
Commercial and other		1.16	1.23	116.7	116.4	117.5	119.6	119.4		116.0	109.0	114.0	118.9	111.9	
Industrial		.92	.96	115.1	116.8	118.4	118.1	116.8		118.4	115.4	115.2	114.0	110.6	
Gas utilities	492,3pt	1.64	1.73	119.1	119.4	117.0	132.6	125.2	120.8	90.8	123.5	166.4	220.1	186.6	159.2
Residential		.56	.58	118.8	119.0	112.6	129.6			70.1	126.5	195.5	274.5		
Commercial and other		.26	.28	122.1	124.1	117.8	148.2			85.0	130.4	182.3	270.7		
Gas transmission		.56	.59	118.2	118.0	119.5	134.0			101.2	121.3	151.3	187.6		

Table 7
INDUSTRIAL PRODUCTION: GROSS VALUE OF PRODUCTS

Billions of 1987 dollars at annual rates, seasonally adjusted

Item	1987	1993	1992 Q4	1993 Q1	Q2	Q3	Q4	1994 Q1 ^f	1993 Nov.	Dec.	1994 Jan. ^f	Feb. ^f	Mar. ^f	Apr. ^P
Products, total	1707.0	1886.9	1847.6	1870.9	1873.1	1881.1	1927.0	1964.7	1928.2	1943.9	1955.4	1969.5	1969.1	1973.0
Final products	1314.6	1480.7	1451.2	1470.5	1469.8	1473.6	1513.1	1547.0	1514.9	1525.7	1535.0	1553.6	1552.4	1552.4
Consumer goods	866.6	944.1	933.7	943.0	937.2	938.9	959.0	974.9	960.2	963.7	968.7	978.6	977.6	976.3
Durable	226.1	253.2	241.8	252.5	249.3	246.5	266.1	277.7	267.0	272.6	274.4	283.1	275.7	272.6
Automotive products	114.9	128.1	121.3	129.8	125.9	119.1	138.6	151.8	139.5	145.5	148.3	157.8	149.2	145.0
Other durable goods	111.2	125.1	120.5	122.7	123.4	127.4	127.5	126.0	127.5	127.2	126.1	125.3	126.5	127.6
Nondurable	640.5	690.9	691.9	690.5	687.9	692.4	692.9	697.2	693.3	691.1	694.3	695.4	701.9	703.7
Equipment, total	448.0	536.7	517.5	527.5	532.6	534.7	554.1	572.0	554.7	561.9	566.3	575.1	574.8	576.1
Business and defense	430.5	519.9	500.7	511.0	516.8	517.5	536.3	553.3	537.1	543.7	547.8	556.4	555.7	556.9
Business	335.4	451.5	427.5	440.0	447.5	449.8	470.3	489.3	470.8	478.3	483.0	492.7	492.1	493.3
Defense and space	95.1	68.4	73.2	71.1	69.3	67.8	66.1	64.0	66.3	65.4	64.8	63.7	63.6	63.6
Intermediate products	392.5	406.1	396.4	400.3	403.3	407.5	413.8	417.7	413.3	418.2	420.4	415.9	416.7	420.6
Construction supplies	162.7	158.8	154.6	155.7	156.4	159.6	164.2	163.9	163.6	166.8	165.4	162.1	164.1	165.5
Business supplies	229.8	247.3	241.8	244.7	246.9	247.9	249.6	253.8	249.6	251.5	255.1	253.8	252.6	255.1
Commercial energy products	60.3	67.9	66.9	68.1	67.6	67.4	68.3	70.3	68.2	68.5	72.2	70.1	68.6	69.5

Table 8
DIFFUSION INDEXES OF INDUSTRIAL PRODUCTION

Percent

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
One Month Earlier												
1992	42.0	61.6	63.5	58.4	57.6	44.7	53.7	49.8	51.4	56.1	62.7	52.2
1993	51.4	59.6	47.8	56.5	40.4	52.9	56.9	52.2	49.8	54.5	57.3	62.4
1994	49.8	47.5	64.1									
Three Months Earlier												
1992	50.2	55.7	59.2	68.2	69.4	52.9	52.5	45.1	49.0	49.8	62.7	59.2
1993	56.5	60.8	61.2	57.3	51.0	50.6	51.8	57.6	54.1	52.9	53.7	65.5
1994	61.6	59.6	62.0									
Six Months Earlier												
1992	56.1	55.7	56.9	63.1	64.7	60.4	65.1	60.0	54.9	55.3	59.2	58.4
1993	53.3	65.5	65.9	66.7	57.6	58.8	62.4	52.2	53.3	53.3	61.2	63.9
1994	61.2	60.4	66.7									

Note—The diffusion indexes are calculated as the percentage of series that increased over the indicated span (one, three, or six months) plus one-half the percentage that were unchanged.

Explanatory Note

The statistical release of **Industrial Production and Capacity Utilization** reports measures of output, capacity, and capacity utilization in manufacturing, mining, and the electric and gas utilities industries. It also includes survey data on the use of electric power in manufacturing and mining. Data in the release are available on-line on the day of issue through the Economic Bulletin Board of the Department of Commerce. For information, call (202) 482-1986. Diskettes containing historical data and the data published in this release are available from the Board of Governors of the Federal Reserve System, Publications Services, (202) 452-3245.

Industrial Production

Coverage. The industrial production (IP) index measures output in the manufacturing, mining, and electric and gas utilities industries. For the period since 1987, the total IP index has been constructed from 255 individual series based on the 1987 Standard Industrial Classification (SIC). These individual series are classified and grouped in two ways: (1) market groups (shown in table 1), such as consumer goods, equipment, intermediate products, and materials; and (2) industry groups (shown in tables 2 and 6), such as two-digit SIC industries and major aggregates of these industries—for example, durable and nondurable manufacturing, mining, and utilities.

Market groups. For purposes of analysis, the individual IP series are grouped into final products, intermediate products, and materials. Final products are assumed to be purchased by consumers, businesses, or government for final use. Intermediate products are expected to become inputs in nonindustrial sectors, such as construction, agriculture, and services. Materials are industrial output requiring further processing within the industrial sector. Total products comprise final and intermediate products, and final products are divided into consumer goods and equipment.

Timing. The first estimate of output for a month is published around the 15th of the following month. The estimate is preliminary (denoted by the superscript "p" in tables) and subject to revision in each of the subsequent three months as new source data become available. (Revised estimates are denoted by the superscript "r" in tables.) 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 1990, 1985, and 1976. In 1993, a revision that converted the indexes to the 1987 SIC from 1987 forward was published.

Source data. In annual or benchmark revisions, the individual IP indexes are constructed from a variety of source data, such as the quinquennial *Censuses of Manufactures and Mineral Industries* and the *Annual Survey of Manufactures*, prepared by the Bureau of the Census; the *Minerals Yearbook*, prepared by the Bureau of Mines; and publications of the Department of Energy. On a monthly basis, the individual indexes of industrial production are constructed from two main types of source data: (1) output measured in physical units and (2) data on inputs to the production process, from which output is inferred. Data on physical products, such as tons of steel or barrels of oil, are obtained from private trade associations as well as from government agencies including those listed above; data of this type are used to estimate monthly IP where possible and appropriate. When suitable data on physical product are unavailable, estimates of output are based on either production-worker hours or electric power use by industry. Data on hours worked by production workers are collected in the monthly establishment survey conducted by the Bureau of Labor Statistics. The data on electric power use are described below. The factors used to convert inputs into estimates of production are based on historical relationships between the inputs and the comprehensive data used to benchmark the IP indexes; these factors also may be influenced by technological or cyclical developments. Especially for the first and second estimates for a given month, the available source data are limited and subject to revision.

Weights. In the index, series that measure the output of an individual industry are weighted according to their proportion in the total value-added output of all industries. The industrial production index, which extends back to 1919, is built in chronological segments that are linked together to form a continuous index expressed as a percentage of output in a comparison base year (currently 1987). Each segment, which usually spans five years, is a Laspeyres quantity index showing changes in quantities with prices (Census value added per unit of output) held at base-year values for the segment. For the period from 1987 to the present, IP is aggregated on the basis of 1987 value-added weights. The aggregation of the index for the 1982-86 period is based on 1982 weights, whereas 1977 weights are used for the 1977-81 period. The other weight years in the postwar period are 1972, 1967, 1963, 1958, 1954, and 1947. The 1987 value-added weights used to aggregate the index are shown in the first column of tables 1, 2, and 6, in the "1987" column under the heading "Proportion in total IP." Proportions for the most recent complete year of data are shown in the second column of tables 1, 2, and 6.

Seasonal adjustment. Individual series are seasonally adjusted by the X-11 ARIMA method, developed at Statistics Canada. For series based on production-worker hours, the current seasonal factors were estimated with data through October 1993; for other series, the factors were estimated with data through July 1993. In some cases, series were preadjusted for the effects of holidays or the business cycle before using X-11 ARIMA. The seasonally adjusted total index is calculated by aggregating the seasonally adjusted major market groups, and may not precisely equal an aggregation of the seasonally adjusted industry groups.

Reliability. The average revision to the level of the total IP index, without regard to sign, between the preliminary estimate and its third revision (or from the first and the fourth estimates) was 0.35 percent during the 1972-92 period. The average revision to the percent change in total IP, without regard to sign, from the first to the fourth estimates was 0.26 percentage point during the same period. In most cases (about 85 percent), the direction of change in output indicated by the first estimate for a given month is the same as that shown by the fourth estimate.

Rounding. In some cases, components may not add to totals because of independent rounding. In addition, the published percent changes are calculated from unrounded indexes, and may not be the same as percent changes calculated from the rounded indexes shown in the release.

References. *Industrial Production—1986 Edition* contains a more detailed description of the methods used to compile the index, plus a history of its development, a glossary of terms, and a bibliography. To obtain *Industrial Production—1986 Edition* (\$9.00 per copy), write to Board of Governors of the Federal Reserve System, Publications Services, Washington, DC 20551. The 1990 and 1993 revisions were described in the *Federal Reserve Bulletin*, vol. 76 (April 1990), pp. 187-204 and vol. 79 (June 1993), pp. 590-605, respectively. The 1994 revision to the index was described in the *Federal Reserve Bulletin*, vol. 80 (March 1994), pp. 220-6.

Capacity Utilization

Definition. Capacity utilization is calculated for the manufacturing, mining, and electric and gas utilities industries. For a given industry, the utilization rate is equal to an output index divided by a capacity index. Output is measured by seasonally adjusted indexes of industrial production. The capacity indexes attempt to capture the concept of sustainable practical capacity, which is defined as the greatest level of output that a plant can maintain within the framework of a realistic work schedule, taking account of normal downtime, and assuming sufficient availability of inputs to operate the machinery and equipment in place. The 75 individual capacity indexes are based on a variety of data, including capacity data measured in physical units compiled by trade associations, surveys of utilization rates and investment, and estimates of growth of the capital stock.

Groups. Estimates of capacity and utilization are available for a variety of groups, including primary and advanced processing industries within manufacturing, durable and nondurable manufacturing, total manufacturing, mining, utilities, and total industry. Component industries of the primary and advanced processing groups within manufacturing are listed in the note on tables 2 and 3 of the release.

Weights. Value-added proportions are used to weight the individual capacity indexes in aggregations in the same manner as individual IP series are aggregated to the total index of industrial production. Although each utilization rate is the result of dividing an IP series by a corresponding capacity index, aggregate utilization rates are equivalent to combinations of individual utilization rates aggregated with proportions that reflect current capacity levels of output valued in base-period value-added per unit of actual output. The implied proportions of individual industry operating rates in the rate for total industry for the most recent year are shown in the first column of table 3.

Perspective. The historical highs and lows in capacity utilization shown in the tables above are specific to each series and did not all occur in the same month. Industrial plants usually operate at capacity utilization rates that are well below 100 percent: none of the broad aggregates has ever reached 100 percent. For total industry and total manufacturing, utilization rates as high as 90 percent have been exceeded only in wartime.

References. The basic methodology used to estimate capacity and utilization is discussed in the *Federal Reserve Bulletin*, vol. 71 (October 1985), pp. 754-66. The 1990 and 1993 revisions were described in the *Federal Reserve Bulletin*, vol. 76 (June 1990), pp. 412-35 and vol. 79 (June 1993), pp. 590-605, respectively. The 1994 revision to the index was described in the *Federal Reserve Bulletin*, vol. 80 (March 1994), pp. 220-6.

Electric Power

Data on electric power (expressed in kilowatt hours) are collected by the Federal Reserve District Banks from electric utilities and also from manufacturing and mining establishments that generate electric power for their own use (cogenerators). The indexes of power use shown in table 9 are sums of kilowatt hours used by an industry or industry group expressed as a percentage of that industry's or group's usage in 1987. The first column of the table shows, for reference, electric power use in billions of kilowatt hours as reported by manufacturing and mining industries in the 1987 censuses of those industries. The supplementary group, "Total, less nuclear nondefense," is shown separately because the nondefense nuclear material series (part of SIC 2819) accounts for a disproportionately large part of total electric power use. Because the value-added proportion for this industry in total IP is considerably smaller than its share of total electric power use, excluding this component from total power use facilitates comparisons with total IP.

Release Schedule for 1994

At 9:15 a.m. on January 14, February 15, March 15, April 15, May 16, June 15, July 15, August 15, September 16, October 14, November 15, and December 14.