



# FEDERAL RESERVE

## INDUSTRIAL PRODUCTION

G.12.3

For release at 9:30 a.m. (EDT)  
June 15, 1978

Industrial production increased an estimated 0.6 per cent in May to 143.7 per cent of the 1967 average. This advance followed two months of exceptional increases--revised to 1.4 per cent in April and to 1.2 per cent in March, both of which included rebound effects from the weather- and strike-reduced production in early 1978. More than half of the May increase was in output of materials. Auto and truck production declined after substantial increases in the three preceding months but remained at a high level. Moderate increases occurred in output of most other products. Industrial production in May was almost 5 per cent higher than a year ago.

Products. Output of total consumer goods was unchanged in May, despite moderate increases in production of home goods and nondurable consumer goods. Auto and utility vehicle production was reduced, as auto assemblies declined 4 per cent to an annual rate of 9.4 million units; production schedules had earlier been stepped-up to recoup output lost in the first quarter. Business equipment output advanced 0.6 per cent further in May, reflecting widespread increases for industrial, commercial and transit equipment.

Materials. Output of materials rose sharply again in May. Large increases occurred in production of durable goods materials, such as steel and equipment parts, and in energy materials. A more moderate increase was recorded in output of nondurable materials, reflecting gains for containers, textiles, and paper.

### INDUSTRIAL PRODUCTION: SUMMARY (Seasonally Adjusted)

Indexes, 1967=100	1978		Per cent changes						
	Apr. (p)	May. (e)	Dec.	Jan.	Feb.	Mar.	Apr.	May	May 77
Total	142.9	143.7	.3	-.6	.3	1.2	1.4	.6	4.9
Products, total	142.8	143.1	.6	-1.3	.8	1.4	.9	.2	4.8
Final Products	140.0	140.2	.4	-2.0	1.1	1.7	.9	.1	4.1
Consumer Goods	147.3	147.3	.4	-2.7	1.4	1.5	.9	.0	2.9
Durable	161.8	160.3	.4	-6.0	3.2	4.2	2.7	-.9	5.3
Nondurable	141.6	142.3	.4	-1.3	.6	.4	.1	.5	2.0
Business Equipment	159.0	159.9	.3	-.9	1.0	2.1	1.0	.6	7.4
Intermediate Products	152.6	153.5	1.3	.8	-.1	.3	.5	.6	7.0
Construction Supplies	148.8	149.5	1.2	.6	-.4	-.1	.3	.5	7.8
Materials	143.1	144.6	-.1	.3	-.4	1.0	2.2	1.0	4.9

p--preliminary      e--estimate



# FEDERAL RESERVE

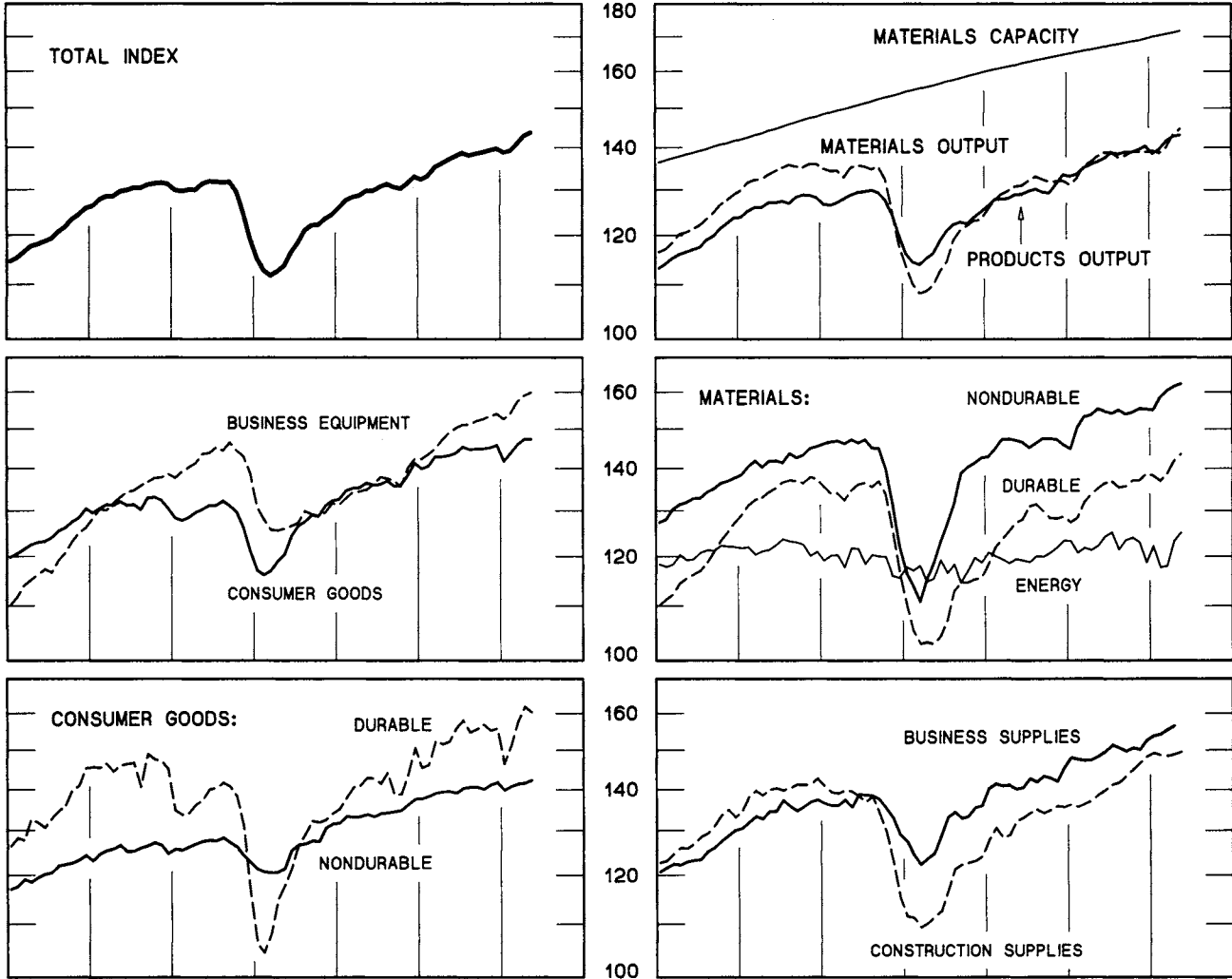
## statistical release

G-12.3

### INDUSTRIAL PRODUCTION

MAY DATA

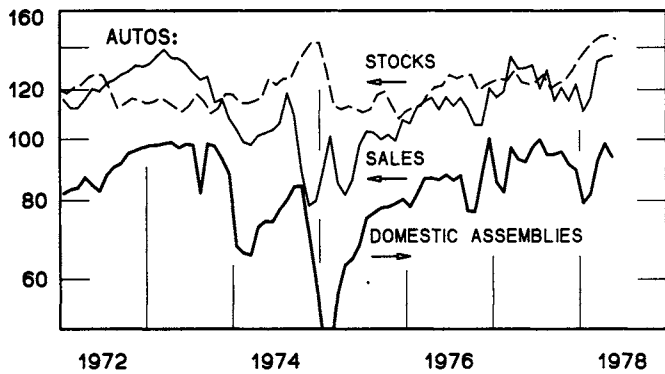
SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



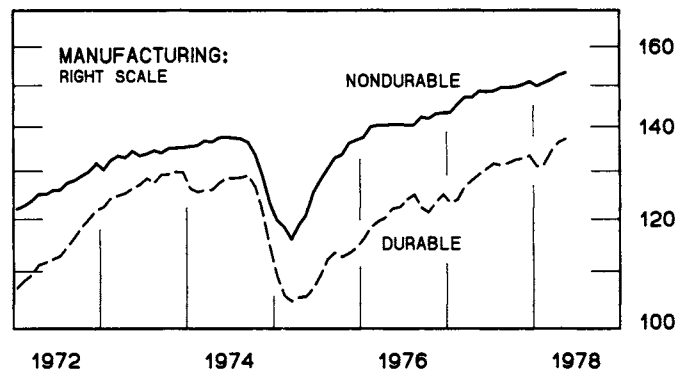
1969-70=100

ANNUAL RATE, MILLIONS OF UNITS

1967=100



AUTOS: SALES AND STOCKS INCLUDE IMPORTS



**Table 1.**  
**INDUSTRIAL PRODUCTION BY MARKET GROUPINGS**

Seasonally Adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967	1977		1978											
	PRO- POR- TION	AVG.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
TOTAL INDEX	100.00	137.1	137.0	137.8	138.7	138.1	138.5	138.9	139.3	139.7	138.8	139.2	140.9	142.9	143.7
PRODUCTS, TOTAL	60.71	137.1	136.5	137.3	138.7	138.4	138.8	138.9	139.5	140.3	136.5	139.6	141.5	142.8	143.1
FINAL PRODUCTS	47.82	134.9	134.7	135.4	136.8	136.3	136.8	136.5	137.0	137.6	134.9	136.4	138.7	140.0	140.2
CONSUMER GOODS	27.68	143.4	143.1	143.8	145.4	144.7	144.9	144.9	145.2	145.8	141.8	143.8	146.0	147.3	147.3
EQUIPMENT	20.14	123.2	123.2	124.1	124.8	124.9	125.6	125.0	125.8	126.2	125.4	126.2	129.0	130.1	130.6
INTERMEDIATE PRODUCTS	12.89	145.1	143.5	144.7	146.3	146.1	146.5	147.6	148.4	150.4	151.6	151.4	151.9	152.6	153.5
MATERIALS	39.29	136.9	137.8	138.7	138.9	137.6	137.9	138.9	139.0	138.8	139.2	138.6	140.0	143.1	144.6
<b>CONSUMER GOODS</b>															
DURABLE CONSUMER GOODS	7.89	153.1	152.2	155.8	158.0	154.7	155.6	156.8	155.2	155.8	146.5	151.2	157.6	161.8	160.3
AUTOMOTIVE PRODUCTS	2.83	174.2	172.8	179.8	184.8	177.2	177.0	179.4	173.6	172.4	157.5	162.8	175.9	184.1	178.3
AUTOS & UTILITY VEHICLES	2.03	169.2	167.4	177.4	184.4	173.1	172.6	176.1	167.6	165.5	145.5	153.9	171.0	183.0	174.0
AUTOS, TOTAL	1.90	148.4	148.5	156.8	161.4	150.9	151.6	154.3	147.5	143.6	127.4	131.5	149.7	159.1	151.4
AUTO PARTS & ALLIED GOODS	.80	186.8	186.6	185.8	186.6	187.3	188.1	187.6	188.7	190.4	187.8	185.3	188.5	187.2	189.0
HOME GOODS	5.06	141.3	140.6	142.3	142.9	142.1	143.6	144.2	145.0	146.6	140.3	144.6	147.3	149.2	150.2
APPLIANCES, AIR COND & TV	1.40	127.3	131.0	133.1	130.1	129.6	129.4	128.6	131.4	132.8	116.1	133.3	135.5	142.1	142.8
APPLIANCES AND TV	1.33	130.5	134.8	136.8	134.4	133.0	134.1	131.6	133.0	134.6	117.4	135.7	137.9	144.7	
CARPETING AND FURNITURE	1.07	152.2	147.3	151.2	154.1	154.8	159.0	160.5	160.0	161.5	159.1	160.2	159.3	158.2	
MISC. HOME GOODS	2.59	144.3	143.1	143.6	145.1	143.6	144.9	145.8	146.3	147.7	145.9	144.3	146.7	149.2	150.0
NONDURABLE CONSUMER GOODS	19.79	139.6	139.5	139.1	140.3	140.6	140.7	140.1	141.2	141.8	139.9	140.8	141.4	141.6	142.3
CLOTHING	4.29	125.2	125.5	125.7	124.1	126.4	128.3	128.0	126.4	126.9	118.3	121.1	122.8		
CONSUMER STAPLES	15.50	143.6	143.4	142.9	144.8	144.6	144.1	143.5	145.3	145.9	145.9	146.3	146.5	146.4	146.8
CONSUMER FOODS & TOBACCO	8.33	135.5	135.0	135.4	137.1	137.9	137.1	135.2	136.7	137.9	136.5	138.3	138.8	139.1	
NONFOOD STAPLES	7.17	152.9	153.2	151.7	153.8	152.4	152.4	153.4	155.1	155.2	156.6	155.8	155.5	155.1	155.7
CONSUMER CHEMICAL PROD	2.63	180.5	180.8	179.3	179.4	181.8	182.5	183.7	186.9	186.5	187.4	184.3	182.1	183.5	
CONSUMER PAPER PRODUCTS	1.92	117.1	118.4	116.3	117.4	117.0	116.4	117.6	118.5	119.8	121.4	118.8	119.4	118.0	
CONSUMER ENERGY PROD	2.62	151.4	150.8	149.8	154.9	148.9	148.6	149.1	149.9	149.7	151.5	154.5	155.2	153.8	
RESIDENTIAL UTILITIES	1.45	159.0	157.1	159.9	167.5	156.1	153.8	155.8	155.6	158.5	161.7	167.6	166.9		
<b>EQUIPMENT</b>															
BUSINESS EQUIPMENT	12.63	149.2	148.9	150.1	151.2	151.1	152.1	152.6	153.5	154.0	152.6	154.2	157.4	159.0	159.9
INDUSTRIAL EQUIPMENT	6.77	138.5	138.4	140.0	140.7	140.4	141.4	141.8	142.6	143.0	144.3	144.6	146.9	148.1	149.1
BUILDING AND MINING EQUIP	1.44	202.5	205.3	208.1	210.6	203.9	204.5	205.7	206.7	208.3	211.1	214.9	221.7	225.1	226.2
MANUFACTURING EQUIPMENT	3.85	113.9	112.8	115.0	114.3	115.3	117.6	118.5	118.7	118.2	118.8	117.7	118.3	119.2	120.0
POWER EQUIPMENT	1.47	140.2	139.9	139.0	141.2	143.7	141.4	139.8	142.1	143.7	146.1	145.8	148.8	148.1	149.4
COM'L, TRANSIT, FARM EQ	5.86	161.6	161.2	161.9	163.3	163.4	164.4	165.1	165.9	166.9	162.2	165.5	169.4	171.7	172.1
COMMERCIAL EQUIPMENT	3.26	191.6	191.1	191.4	191.7	193.0	193.7	195.4	197.4	198.8	198.5	200.9	202.0	204.3	204.9
TRANSIT EQUIPMENT	1.93	117.8	116.5	118.5	121.5	121.9	125.1	122.3	118.9	121.1	111.1	115.9	126.1	129.3	129.7
FARM EQUIPMENT	.67	142.3	144.4	143.2	144.6	139.2	134.9	142.1	147.8	144.5	131.4	134.8	137.0	134.3	
DEFENSE AND SPACE EQUIPMENT	7.51	79.6	80.0	80.3	80.4	80.8	80.9	78.9	79.3	79.5	79.7	79.2	81.5	81.5	81.5
<b>INTERMEDIATE PRODUCTS</b>															
CONSTRUCTION SUPPLIES	6.42	140.8	138.7	139.9	141.2	141.7	143.2	144.9	146.5	148.3	149.2	148.6	148.4	148.8	149.5
BUSINESS SUPPLIES	6.47	149.5	148.4	149.6	151.3	150.6	149.7	150.5	150.1	152.6	153.8	154.2	155.4	156.5	
COMMERCIAL ENERGY PRODUCTS	1.14	164.6	165.8	164.2	168.2	165.0	162.7	163.0	160.9	165.6	165.5	165.6	166.3	168.6	
<b>MATERIALS</b>															
DURABLE GOODS MATERIALS	20.35	134.5	135.2	136.4	136.8	135.4	135.7	137.1	137.2	138.7	138.2	137.0	138.7	141.9	143.5
DURABLE CONSUMER PARTS	4.58	132.0	132.0	134.5	137.2	135.2	135.8	135.4	136.5	135.7	133.0	131.1	133.4	136.9	137.9
EQUIPMENT PARTS	5.44	143.1	141.7	143.0	145.0	145.6	146.8	147.6	147.2	149.2	148.7	146.6	151.3	153.1	155.0
DURABLE MATERIALS NEC	10.34	131.1	133.2	133.8	132.4	130.1	129.8	132.4	132.3	134.3	134.9	134.6	134.5	138.2	140.2
BASIC METAL MATERIALS	5.57	110.9	117.8	116.3	112.6	108.7	106.8	110.0	107.9	110.3	110.2	111.0	110.4	116.2	
NONDURABLE GOODS MATERIALS	10.47	153.5	155.4	154.7	154.1	155.1	153.9	154.4	155.4	155.3	155.0	158.5	160.3	161.5	162.3
TEXTILE, PAPER, & CHEM MAT	7.62	158.3	160.7	160.1	158.9	159.6	159.0	160.0	159.3	159.3	160.7	162.8	165.4	166.6	167.1
TEXTILE MATERIALS	1.85	113.0	111.8	109.0	110.1	112.2	114.5	118.5	117.8	117.3	114.9	115.8	114.9	115.9	
PAPER MATERIALS	1.62	133.5	136.2	134.4	134.3	135.7	135.2	134.4	132.2	130.2	135.0	136.8	137.6	139.2	
CHEMICAL MATERIALS	4.15	188.2	192.2	192.7	190.3	190.1	188.2	188.5	188.6	189.5	191.4	194.2	198.8	199.8	
CONTAINERS, NONDURABLE	1.70	150.9	152.3	152.4	152.4	156.2	151.2	148.9	156.7	154.4	150.4	158.7	158.1	160.5	
NONDURABLE MATERIALS NEC	1.14	125.3	123.1	122.9	124.9	122.4	124.1	125.4	128.5	129.9	123.6	128.9	129.3	130.1	
ENERGY MATERIALS	8.46	122.4	122.3	124.3	125.2	121.4	123.5	124.0	123.0	118.7	122.2	117.7	118.0	123.2	125.1
PRIMARY ENERGY	4.65	107.3	106.6	109.7	108.9	106.8	110.0	112.2	111.6	103.0	105.2	101.0	105.6	114.5	
CONVERTED FUEL MATERIALS	3.82	140.7	141.4	142.0	145.1	139.1	140.0	138.4	136.9	137.7	142.8	138.0	133.1	133.9	
<b>SUPPLEMENTARY GROUPS</b>															
HOME GOODS AND CLOTHING	9.35	133.9	133.6	134.7	134.3	134.9	136.5	136.8	136.5	137.5	130.2	133.8	136.1	137.8	138.9
ENERGY, TOTAL	12.23	132.5	132.5	133.5	135.6	131.4	132.5	133.0	132.3	129.7	132.5	130.0	130.5	134.0	135.6
PRODUCTS	3.76	155.4	155.3	154.1	158.9	153.7	153.0	153.3	153.2	154.5	155.8	157.9	158.6	158.4	
MATERIALS	8.48	122.4	122.3	124.3	125.2	121.4	123.5	124.0	123.0	118.7	122.2	117.7	118.0	123.2	125.1

DATA FOR THE CURRENT MONTH ARE ESTIMATED. PREVIOUS MONTH DATA ARE PRELIMINARY.

## Table 2. INDUSTRIAL PRODUCTION BY MARKET GROUPINGS

Not Seasonally Adjusted, 1967 = 100

MAJOR MARKET GROUPINGS	1967	1977	1977					1978							
	PRO- POR- TION	AVG.	MAY	JUNE	JULY	AVG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
<b>TOTAL INDEX</b>	100.00	137.1	137.2	141.5	134.1	138.2	142.4	142.7	139.5	134.9	134.8	139.6	141.6	143.5	144.1
<b>PRODUCTS, TOTAL</b>	60.71	137.1	135.9	141.5	135.0	139.5	145.1	144.3	139.5	133.8	133.5	139.0	141.1	142.6	142.5
<b>FINAL PRODUCTS</b>	47.82	134.9	133.5	139.4	132.5	136.4	142.9	142.0	136.9	131.1	131.0	136.6	138.6	139.8	139.2
<b>CONSUMER GOODS</b>	27.68	143.4	142.0	149.2	140.0	145.9	152.9	152.4	144.4	135.8	136.7	143.4	145.3	147.3	146.3
<b>EQUIPMENT</b>	20.14	123.2	121.9	126.0	122.1	123.5	129.2	127.7	126.6	124.6	123.1	127.1	129.2	129.5	129.4
<b>INTERMEDIATE PRODUCTS</b>	12.89	145.1	144.7	149.2	144.5	150.9	153.2	152.7	149.0	144.1	142.5	148.0	150.8	153.1	154.8
<b>MATERIALS</b>	39.29	136.9	139.2	141.4	132.6	136.3	138.0	140.5	139.4	136.5	137.0	140.6	142.2	145.2	146.3
<b>CONSUMER GOODS</b>															
<b>DURABLE CONSUMER GOODS</b>	7.89	153.1	156.8	164.2	142.3	140.0	158.8	168.1	157.6	144.4	142.7	155.7	162.4	169.5	164.8
<b>AUTOMOTIVE PRODUCTS</b>	2.83	174.2	185.6	198.0	158.2	136.0	172.3	196.6	175.3	154.7	157.7	173.7	187.8	203.2	189.2
<b>AUTOS &amp; UTILITY VEHICLES</b>	2.03	169.2	187.1	202.8	152.6	114.6	162.8	196.2	170.4	141.2	147.7	167.8	187.2	208.4	191.6
<b>AUTOS, TOTAL</b>	1.90	148.4	166.9	180.9	130.7	91.6	142.7	173.9	150.4	123.5	130.3	143.6	164.5	162.7	168.4
<b>AUTO PARTS &amp; ALLIED GOODS</b>	.80	186.8	181.6	185.6	172.5	190.3	196.2	197.5	187.6	189.0	182.9	188.8	189.3	190.0	183.3
<b>HOME GOODS</b>	5.06	141.3	140.6	145.2	133.4	142.2	151.3	152.1	147.7	138.5	134.3	145.6	148.1	150.6	151.1
<b>APPLIANCES, AIR COND &amp; TV</b>	1.40	127.3	133.6	137.8	114.5	122.3	137.6	143.6	133.0	111.8	115.1	136.8	141.8	151.4	149.0
<b>APPLIANCES AND TV</b>	1.33	130.5	136.0	141.0	118.4	127.7	143.5	148.6	135.7	114.4	116.3	140.3	142.5	151.4	
<b>CARPETING AND FURNITURE</b>	1.07	152.2	146.4	151.7	137.3	156.2	164.0	165.1	163.6	158.6	152.3	164.7	162.3	160.1	
<b>MISC. HOME GOODS</b>	2.59	144.3	142.1	146.6	142.0	147.3	153.4	151.3	149.2	144.6	137.3	141.4	145.7	146.2	149.1
<b>NONDURABLE CONSUMER GOODS</b>	19.79	139.6	136.1	143.3	139.1	148.2	150.5	146.2	139.1	132.4	134.3	138.5	138.5	138.5	138.9
<b>CLOTHING</b>	4.29	125.2	123.5	133.4	111.1	132.1	137.6	135.6	122.6	110.3	111.7	124.1	125.2		
<b>CONSUMER STAPLES</b>	15.50	143.6	139.6	146.1	146.8	152.7	154.1	149.2	143.7	138.5	140.6	142.4	142.2	141.3	142.6
<b>CONSUMER FOODS &amp; TOBACCO</b>	8.33	135.5	132.5	139.5	134.5	144.0	147.1	143.6	137.4	129.8	130.5	134.0	134.6	134.9	
<b>NONFOOD STAPLES</b>	7.17	152.9	147.6	153.7	161.2	162.7	162.2	155.7	151.1	148.7	152.3	152.3	150.9	148.7	149.8
<b>CONSUMER CHEMICAL PROD</b>	2.63	180.5	179.7	188.8	191.4	190.9	196.6	192.0	184.7	172.7	170.7	173.4	175.5	178.0	
<b>CONSUMER PAPER PRODUCTS</b>	1.92	117.1	114.1	120.0	122.9	127.0	125.7	121.7	117.7	112.6	113.5	113.3	114.4	114.7	
<b>CONSUMER ENERGY PROD</b>	2.62	151.4	140.4	143.2	159.0	160.7	154.5	144.1	141.9	151.0	162.5	159.5	153.0	144.4	
<b>RESIDENTIAL UTILITIES</b>	1.45	159.0	141.1	144.0	170.4	173.3	163.7	147.3	139.7	160.2	181.0	178.2	166.2		
<b>EQUIPMENT</b>															
<b>BUSINESS EQUIPMENT</b>	12.63	149.2	146.9	153.0	147.7	149.7	158.2	156.8	154.4	150.4	148.9	155.5	157.4	158.4	156.1
<b>INDUSTRIAL EQUIPMENT</b>	6.77	138.5	135.6	140.7	137.6	138.6	146.0	145.4	144.7	142.1	141.3	146.0	146.8	146.8	146.7
<b>BUILDING AND MINING EQUIP</b>	1.44	202.5	198.7	204.8	200.3	201.0	214.3	213.1	214.3	212.5	209.8	218.6	218.6	220.7	219.9
<b>MANUFACTURING EQUIPMENT</b>	3.85	113.9	110.8	116.1	112.9	114.5	120.7	119.9	118.9	115.6	115.5	119.7	119.5	119.0	118.6
<b>POWER EQUIPMENT</b>	1.47	140.2	138.3	142.3	140.8	140.4	145.3	145.8	144.1	142.3	141.7	143.5	147.5	147.2	148.4
<b>COM'L, TRANSIT, FARM EQ</b>	5.86	161.6	159.9	167.2	159.4	162.5	172.4	169.9	165.6	159.8	157.8	166.3	169.7	171.9	171.2
<b>COMMERCIAL EQUIPMENT</b>	3.26	191.6	187.9	197.1	195.1	198.8	204.6	200.3	198.8	191.4	189.0	197.5	196.3	200.1	202.0
<b>TRANSIT EQUIPMENT</b>	1.93	117.8	117.1	121.4	110.4	113.8	127.6	126.1	117.9	117.0	115.0	122.0	132.9	135.0	131.0
<b>FARM EQUIPMENT</b>	.67	142.3	147.4	153.2	127.1	125.8	144.9	148.5	141.1	137.7	128.8	141.5	146.1	141.1	
<b>DEFENSE AND SPACE EQUIPMENT</b>	7.51	79.6	79.8	80.6	79.2	79.4	80.6	78.8	80.0	81.4	79.8	79.4	81.8	80.8	81.2
<b>INTERMEDIATE PRODUCTS</b>															
<b>CONSTRUCTION SUPPLIES</b>	6.42	140.8	141.9	145.6	137.3	144.4	147.5	149.0	146.5	140.7	139.2	146.4	149.1	153.3	153.2
<b>BUSINESS SUPPLIES</b>	6.47	149.5	147.5	152.6	151.6	157.4	159.0	156.2	151.5	147.4	145.7	149.6	152.4	153.1	
<b>COMMERCIAL ENERGY PRODUCTS</b>	1.14	164.6	159.0	167.0	181.0	180.0	176.1	163.5	154.6	159.5	164.8	163.4	160.8	159.4	
<b>MATERIALS</b>															
<b>DURABLE GOODS MATERIALS</b>	20.35	134.5	138.3	140.1	129.2	131.8	135.9	139.2	137.7	136.6	133.9	138.6	141.7	145.0	147.0
<b>DURABLE CONSUMER PARTS</b>	4.58	132.0	133.5	135.1	126.4	128.4	136.1	138.6	139.5	136.6	131.7	135.1	134.3	139.0	140.5
<b>EQUIPMENT PARTS</b>	5.44	143.1	142.6	144.4	139.4	142.9	146.2	148.3	148.1	151.1	147.8	148.1	153.4	153.6	155.9
<b>DURABLE MATERIALS NEC</b>	10.34	131.1	138.1	140.1	125.1	127.5	130.4	134.6	131.5	128.1	127.5	136.1	138.9	143.0	145.2
<b>BASIC METAL MATERIALS</b>	5.57	110.9	124.9	123.4	101.8	101.3	103.9	110.3	104.9	104.2	107.4	114.8	117.8	124.2	
<b>NONDURABLE GOODS MATERIALS</b>	10.47	153.5	156.3	158.1	145.4	156.0	154.5	158.3	157.0	149.9	152.4	160.2	162.5	163.9	164.0
<b>TEXTILE, PAPER, &amp; CHEM MAT</b>	7.62	158.3	162.5	163.9	149.9	160.8	159.0	161.9	160.3	154.3	158.0	164.8	167.6	169.8	169.8
<b>TEXTILE MATERIALS</b>	1.85	113.0	116.1	112.5	90.8	114.4	112.8	120.6	116.8	111.2	117.2	120.3	119.0	119.1	
<b>PAPER MATERIALS</b>	1.62	133.5	139.2	139.6	123.9	138.3	130.2	137.2	132.7	120.0	135.4	141.7	143.0	143.5	
<b>CHEMICAL MATERIALS</b>	4.15	188.2	192.4	196.4	186.5	190.3	191.0	190.0	190.5	187.0	185.1	193.8	199.0	202.8	
<b>CONTAINERS, NONDURABLE</b>	1.70	150.9	153.5	158.6	147.4	160.6	155.6	156.2	153.3	138.3	143.3	161.4	162.4	161.9	
<b>NONDURABLE MATERIALS NEC</b>	1.14	125.3	119.4	118.2	112.5	116.9	122.5	137.4	140.3	137.4	128.3	127.4	128.8	126.8	
<b>ENERGY MATERIALS</b>	8.48	122.4	120.2	124.0	124.8	122.9	122.5	121.8	121.9	119.9	125.4	121.4	118.1	122.6	122.8
<b>PRIMARY ENERGY</b>	4.65	107.3	107.5	110.7	106.2	105.9	109.2	110.3	110.5	102.8	104.8	103.4	107.1	116.0	
<b>CONVERTED FUEL MATERIALS</b>	3.82	140.7	135.7	140.1	147.4	143.6	138.6	135.8	135.8	140.7	150.5	143.4	131.4	130.8	
<b>SUPPLEMENTARY GROUPS</b>															
<b>HOME GOODS AND CLOTHING</b>	9.35	133.9	132.8	139.7	123.2	137.6	145.0	144.6	136.2	125.6	123.9	135.7	137.6	140.3	139.4
<b>ENERGY, TOTAL</b>	12.23	132.5	128.1	132.1	137.3	136.3	134.4	130.5	129.2	130.3	137.0	133.5	129.5	130.7	130.6
<b>PRODUCTS</b>	3.76	155.4	146.0	150.4	165.6	166.7	161.1	150.0	145.8	153.6	163.2	160.8	155.4	149.0	
<b>MATERIALS</b>	8.48	122.4	120.2	124.0	124.8	122.9	122.5	121.8	121.9	119.9	125.4	121.4	118.1	122.6	122.8

DATA FOR THE CURRENT MONTH ARE ESTIMATED. PREVIOUS MONTH DATA ARE PRELIMINARY.

**Table 3.**  
**PRODUCTION BY INDUSTRY GROUPINGS**

Seasonally Adjusted, 1967 = 100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967	1977	1977					1978								
		PRD- TION	PR- AVG.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	
MINING AND UTILITIES		12.05	136.2	137.1	138.8	139.4	134.4	135.1	135.8	135.5	133.9	137.4	137.7	138.8	142.2	142.6	
MINING		6.36	117.8	119.5	122.8	119.8	115.4	118.0	119.6	118.8	113.4	115.0	114.4	120.2	126.8	127.1	
UTILITIES		5.69	156.5	156.7	156.8	161.4	155.7	154.1	154.0	154.2	156.7	162.3	163.5	159.6	159.2	159.9	
MANUFACTURING		87.95	137.1	137.1	137.8	138.5	138.6	139.0	139.4	139.9	140.5	138.7	139.4	141.4	143.0	143.8	
NONDURABLE		35.97	148.1	148.5	148.4	148.6	149.4	149.5	149.6	150.1	150.9	149.8	150.6	151.5	152.6	153.2	
DURABLE		51.98	129.5	129.3	130.5	131.6	131.3	131.7	132.4	132.7	133.4	131.1	131.5	134.4	136.4	137.2	
MINING																	
METAL MINING		10	.51	105.4	120.5	121.3	101.9	70.0	71.4	80.0	84.8	104.3	121.4	119.9	127.6	122.1	
COAL		11,12	.69	118.0	122.4	133.4	120.7	113.6	133.0	141.4	140.6	74.6	54.8	56.5	78.4	129.7	
OIL AND GAS EXTRACTION		13	4.40	118.0	118.3	121.3	120.6	119.3	119.6	119.4	118.4	121.1	120.4	124.5	126.8	126.8	
STONE AND EARTH MINERALS		14	.75	124.9	123.0	122.5	126.7	125.0	126.7	128.1	127.2	126.5	130.0	129.1	128.2	126.8	
NONDURABLE MANUFACTURES																	
FOODS		20	8.75	137.9	138.3	136.9	138.3	139.3	138.3	137.3	139.4	140.4	139.3	140.8	141.2	142.2	
TOBACCO PRODUCTS		21	.67	114.3	105.2	119.2	114.5	117.0	113.5	113.8	117.5	120.6	113.4	117.7	115.3		
TEXTILE MILL PRODUCTS		22	2.68	137.1	136.0	135.4	137.2	136.6	140.7	142.4	141.6	143.7	137.1	136.4	136.1	137.0	
APPAREL PRODUCTS		23	3.31	124.2	123.5	122.1	121.1	124.1	127.7	129.0	125.1	125.8	118.6	121.1	122.8		
PAPER AND PRODUCTS		26	3.21	137.4	139.5	139.3	139.2	140.3	139.1	137.9	137.8	138.6	139.9	143.9	144.9	146.1	147.0
PRINTING AND PUBLISHING		27	4.72	124.7	124.4	124.1	124.9	125.0	124.2	125.7	126.2	127.5	129.9	128.3	129.1	128.5	129.0
CHEMICALS AND PRODUCTS		28	7.74	180.7	182.8	183.5	182.6	182.6	181.3	182.3	183.1	183.0	184.4	183.7	184.9	186.0	
PETROLEUM PRODUCTS		29	1.79	141.0	142.4	140.0	140.4	139.9	141.9	141.4	140.5	139.3	139.7	139.0	141.2	141.8	142.9
RUBBER & PLASTICS PRODUCTS		30	2.24	232.2	232.4	235.2	235.2	237.4	239.5	236.3	238.5	240.1	238.7	240.0	242.7	247.0	
LEATHER AND PRODUCTS		31	.86	75.3	76.2	74.1	74.1	74.5	74.0	77.0	78.1	77.3	74.5	73.0	70.9	71.9	
DURABLE MANUFACTURES																	
ORDNANCE, PVT & GOVT		19,91	3.64	73.9	74.4	74.1	75.0	75.5	75.1	74.4	74.1	73.8	72.3	71.2	72.9	72.5	72.9
LUMBER AND PRODUCTS		24	1.84	133.4	133.0	132.4	132.9	131.8	137.1	135.7	137.5	138.1	138.5	135.5	136.5	136.4	
FURNITURE AND FIXTURES		25	1.37	140.9	137.5	139.9	143.0	142.9	145.6	146.6	146.0	146.6	146.4	150.1	149.5	149.0	
CLAY, GLASS, STONE PROD		32	2.74	146.1	145.0	147.7	148.0	146.8	145.5	148.0	152.8	152.1	152.2	152.6	154.2	155.6	
PRIMARY METALS		33	6.57	110.2	117.1	114.7	114.4	112.5	109.0	113.5	111.2	111.0	107.4	106.2	106.5	113.0	116.4
IRON AND STEEL		33,2	4.21	103.4	111.0	109.2	110.9	110.6	104.6	107.7	104.3	103.8	99.5	96.3	96.7	106.9	
FABRICATED METAL PROD		34	5.93	130.9	128.2	130.8	132.0	134.0	133.6	133.8	135.8	136.4	136.9	136.9	138.1	139.3	140.1
NONELECTRICAL MACHINERY		35	9.15	144.8	142.6	144.0	145.7	147.4	147.4	148.9	149.7	151.7	150.1	150.1	151.5	152.3	153.2
ELECTRICAL MACHINERY		36	8.05	141.9	141.8	142.6	143.6	143.9	144.6	144.2	146.0	147.3	144.0	146.4	149.5	151.6	152.8
TRANSPORTATION EQUIP		37	9.27	121.1	120.3	123.7	125.6	124.3	125.5	124.3	122.0	122.2	116.2	118.4	126.5	130.1	128.8
MOTOR VEHICLES & PTS		371	4.50	159.7	157.7	163.2	166.2	164.4	165.6	168.4	163.0	161.8	146.6	153.1	165.1	171.6	167.7
AEROSPACE & MISC		372-9	4.77	84.7	85.2	86.5	87.3	86.5	87.7	82.8	83.3	84.9	87.6	85.8	90.1	91.0	92.2
INSTRUMENTS		38	2.11	159.1	157.4	158.2	159.0	158.3	160.3	162.2	163.1	164.7	163.4	163.5	167.9	168.6	169.0
MISCELLANEOUS MFRS		39	1.51	149.1	148.0	148.4	150.4	147.5	150.7	151.0	151.8	152.5	153.0	151.6	153.7	153.9	154.9
UTILITIES																	
ELECTRIC			3.88	175.5	175.4	176.8	183.9	175.4	173.7	173.6	173.3	175.9	183.6	184.3	179.1		

**Table 4.**  
**CHANGES IN OUTPUT (PER CENT)**

	1977							1978				
	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
<b>CHANGE FROM PREVIOUS MONTH</b>												
TOTAL INDEX	.6	.7	-.4	.3	.3	.3	.3	-.6	.3	1.2	1.4	.6
FINAL PRODUCTS	.5	1.0	-.4	.4	-.2	.4	.4	-2.0	1.1	1.7	.9	.1
CONSUMER GOODS	.5	1.1	-.5	.1	.0	.2	.4	-2.7	1.4	1.5	.9	.0
DURABLE CONSUMER GOODS	2.4	1.4	-2.1	.6	.8	-1.0	.4	-6.0	3.2	4.2	2.7	-9.9
NONDURABLE CONSUMER GOODS	-.3	.9	.2	-.1	-.4	.8	.4	-1.3	.6	.4	.1	.5
BUSINESS EQUIPMENT	.6	.7	-.1	.7	.3	.6	.3	-.9	1.0	2.1	1.0	.6
INTERMEDIATE PRODUCTS	.8	1.1	-.1	.3	.9	.4	1.3	.8	-.1	.3	.5	.6
MATERIALS	.7	.1	-.9	.2	.7	.1	-.1	.3	-.4	1.0	2.2	1.0
DURABLE GOODS MATERIALS	.9	.3	-1.0	.2	1.0	.1	1.1	-.9	1.2	2.3	2.3	1.1
NONDURABLE GOODS MATERIALS	-.5	-.4	.6	-.8	.3	.6	-.1	-.2	2.3	1.1	.7	.5
MANUFACTURING	.5	.5	.1	.3	.3	.4	.4	-1.3	.5	1.4	1.1	.6
NONDURABLE	-.1	.1	.5	.1	.1	.3	.5	-.7	.5	.6	.7	.4
DURABLE	.9	.8	-.2	.3	.5	.2	.5	-1.7	.3	2.2	1.5	.6
MINING AND UTILITIES	1.2	.4	-3.6	.5	.5	-.2	-1.2	2.6	.2	.8	2.4	.3
<b>CHANGE FROM SAME MONTH A YEAR AGO</b>												
TOTAL INDEX	6.2	6.1	5.2	6.0	6.7	5.9	5.0	4.9	4.5	4.1	5.0	4.9
FINAL PRODUCTS	6.8	7.4	6.5	7.8	7.7	6.0	4.6	3.1	3.6	4.1	4.4	4.1
CONSUMER GOODS	5.7	6.8	5.6	6.8	6.6	4.9	3.2	1.4	2.3	2.2	3.1	2.9
DURABLE CONSUMER GOODS	9.2	11.7	7.3	12.2	12.9	8.0	3.5	.8	3.5	3.4	6.8	5.3
NONDURABLE CONSUMER GOODS	4.4	4.7	4.8	4.6	4.0	3.7	3.1	1.6	1.8	1.7	1.6	2.0
BUSINESS EQUIPMENT	10.2	9.6	9.8	11.0	12.5	9.6	8.2	7.2	7.5	8.7	8.1	7.4
INTERMEDIATE PRODUCTS	5.9	5.7	5.6	5.6	6.5	6.8	7.0	6.6	6.9	7.1	7.2	7.0
MATERIALS	5.9	5.1	3.5	4.2	5.4	5.4	5.2	6.2	4.4	3.3	4.8	4.9
DURABLE GOODS MATERIALS	6.6	4.4	3.0	4.5	6.9	7.0	7.8	8.5	6.7	5.2	6.1	6.1
NONDURABLE GOODS MATERIALS	5.6	6.2	6.0	4.3	4.7	5.5	6.5	7.0	5.4	4.6	5.1	4.4
MANUFACTURING	6.2	6.0	5.6	6.5	7.4	6.5	6.0	5.4	5.1	4.7	5.3	4.9
NONDURABLE	5.5	5.9	6.4	5.1	5.4	5.0	5.3	4.5	3.6	3.1	3.8	3.2
DURABLE	6.6	6.1	5.0	7.6	9.1	7.5	6.7	6.2	6.0	6.0	6.6	6.1
MINING AND UTILITIES	6.1	7.0	2.4	2.7	2.5	1.3	-1.1	.3	.4	1.6	4.8	4.9

**Table 5.**  
**PRODUCTION BY INDUSTRY GROUPINGS**

Not Seasonally Adjusted, 1967=100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967			1977								1978				
		PRO- DUCTION	1977 AVG.	1977	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
<b>MINING AND UTILITIES</b>																	
MINING		12.05	136.2	132.6	136.9	140.6	138.8	137.3	134.1	132.9	135.0	142.0	139.9	136.8	138.5	137.3	
UTILITIES		5.69	156.5	146.7	152.3	166.9	164.5	157.2	148.7	146.9	158.7	173.9	169.5	157.4	151.9	147.9	
<b>MANUFACTURING</b>																	
NONDURABLE		87.95	137.1	137.6	141.9	133.2	138.2	142.8	144.1	140.3	134.6	133.9	139.6	142.1	144.1	144.8	
DURABLE		35.97	148.1	147.8	152.8	144.1	154.1	156.2	155.8	151.0	143.0	142.8	148.7	150.6	152.0	152.9	
		51.98	129.5	130.8	134.3	125.6	127.2	133.7	136.0	132.9	129.2	127.8	133.2	136.3	138.9	139.0	
<b>MINING</b>																	
METAL MINING	10	.51	105.4	130.4	132.2	99.4	74.1	77.4	82.1	82.1	97.3	109.6	113.3	120.5	120.9		
COAL	11,12	.69	118.0	127.8	133.4	104.8	112.4	137.4	141.3	137.4	67.6	53.3	59.4	82.4	137.4	138.7	
OIL AND GAS EXTRACTION	13	4.40	118.0	116.4	119.6	119.5	118.8	119.7	120.2	120.0	120.6	122.2	121.1	123.0	125.2	124.8	
STONE AND EARTH MINERALS	14	.75	124.9	126.8	127.0	125.4	127.5	129.9	133.6	132.4	126.7	119.9	117.1	121.8	127.6		
<b>NONDURABLE MANUFACTURES</b>																	
FOODS	20	8.75	137.9	134.6	139.8	136.4	144.2	148.1	146.4	141.6	135.3	133.5	135.9	137.1	138.1		
TOBACCO PRODUCTS	21	.67	114.3	105.2	123.6	98.2	125.3	120.1	126.2	120.2	99.4	115.2	125.6	116.6			
TEXTILE MILL PRODUCTS	22	2.68	137.1	139.5	141.3	120.9	142.2	143.7	148.3	141.5	132.0	131.1	137.5	139.3	140.4		
APPAREL PRODUCTS	23	3.31	124.2	121.4	127.8	109.3	131.5	136.3	135.6	120.9	110.1	112.4	125.1	126.5			
PAPER AND PRODUCTS	26	3.21	137.4	142.2	142.5	127.9	140.2	137.4	143.0	138.5	126.3	137.7	148.2	150.5	150.6	150.7	
PRINTING AND PUBLISHING	27	4.72	124.7	122.2	128.8	130.5	136.3	136.3	132.6	128.0	121.1	116.4	118.9	121.4	123.4	126.7	
CHEMICALS AND PRODUCTS	28	7.74	180.7	184.3	189.2	163.2	185.7	187.5	185.9	182.9	176.0	174.8	179.3	183.6	187.3		
PETROLEUM PRODUCTS	29	1.79	141.0	139.3	143.1	145.0	145.5	145.0	141.8	143.5	138.5	136.8	133.9	136.5	136.1	140.8	
RUBBER & PLASTICS PRODUCTS	30	2.24	232.2	231.7	239.4	213.9	233.6	242.4	243.1	244.0	234.3	231.5	251.3	251.9	249.5		
LEATHER AND PRODUCTS	31	.86	75.3	75.9	77.1	64.2	76.3	76.0	79.9	77.2	72.5	73.0	75.7	73.7	73.3		
<b>DURABLE MANUFACTURES</b>																	
ORDNANCE, PVT & GOVT	19,91	3.64	73.9	74.7	74.9	74.2	73.9	74.3	73.4	73.7	74.2	73.0	72.3	74.2	72.7	73.0	
LUMBER AND PRODUCTS	24	1.64	133.4	134.9	135.9	130.0	136.3	139.8	140.9	131.2	130.0	128.5	136.0	137.6	140.1		
FURNITURE AND FIXTURES	25	1.37	140.9	135.4	141.0	127.4	144.0	148.5	148.2	148.2	146.5	144.9	157.4	152.5	150.0		
CLAY, GLASS, STONE PROD	32	2.74	146.1	147.5	153.6	147.9	154.3	150.3	155.1	153.9	143.6	140.0	145.0	151.6	156.7		
PRIMARY METALS	33	6.57	110.2	124.1	120.4	103.2	104.1	105.0	112.3	106.1	103.8	106.5	111.4	114.3	123.6	124.4	
IRON AND STEEL	331,2	4.21	103.4	118.6	113.2	102.0	101.6	99.4	105.8	98.0	96.5	99.0	100.9	104.0	118.9		
FABRICATED METAL PROD	34	5.93	130.9	128.7	132.0	126.6	131.7	135.2	137.0	137.2	134.6	132.9	139.4	140.0	139.6	140.7	
NONELECTRICAL MACHINERY	35	9.15	144.8	141.6	147.7	144.1	145.2	153.3	151.7	150.2	146.2	144.6	151.5	151.3	151.8	152.1	
ELECTRICAL MACHINERY	36	8.05	141.9	140.9	145.0	136.1	141.7	148.8	150.3	148.3	144.6	142.0	146.8	150.1	151.3	152.4	
TRANSPORTATION EQUIP	37	9.27	121.1	125.3	130.8	115.4	107.4	123.9	130.1	123.1	117.7	116.2	122.0	130.7	137.2	133.2	
MOTOR VEHICLES & PTS	371	4.50	159.7	167.3	177.4	146.5	132.0	161.8	179.2	164.0	151.1	148.7	160.4	172.7	184.7	176.3	
AEROSPACE & MISC	372-9	4.77	84.7	85.6	86.9	84.2	84.2	88.2	83.9	84.6	66.2	85.6	85.8	91.2	92.5	92.6	
INSTRUMENTS	38	2.11	159.1	156.5	161.2	158.0	159.6	165.0	165.0	165.4	164.5	158.5	161.4	165.4	165.4	168.3	
MISCELLANEOUS MFRS	39	1.51	149.1	145.5	150.6	146.0	154.0	161.6	158.7	154.2	146.4	142.3	149.8	151.1	151.9	152.9	
<b>UTILITIES</b>																	
ELECTRIC		3.88	175.5	161.5	172.8	194.7	191.4	180.8	167.6	162.1	176.4	195.8	188.4	173.1			

Table 6.  
**DETAILED OUTPUT SERIES**

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977													
		PRO- POR- TION	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	1978				
		1967	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	
<b>METAL MINING</b>	101	51.1														
IRON ORE	101,6	.24	74.3	113.0	90.4	98.1	89.0	23.7	23.5	24.4	28.9	75.6	110.9	108.9	126.6	115.3
NONFERROUS ORES	102-5,8,9	.27	133.3	140.6	142.1	138.6	104.4	121.7	120.9	132.1	133.2	130.3	135.8	133.2	131.4	131.7
COPPER ORE	102	.14	158.1	172.0	176.1	165.6	103.3	133.9	135.1	153.7	156.2	151.2	161.4	158.7	154.5	157.8
LEAD AND ZINC ORES	103	.03	103.3	111.6	103.8	104.7	86.2	105.3	98.0	99.0	103.2	106.1	99.8	94.9	101.4	101.2
<b>ANTHRACITE</b>	111	.03	50.8	50.7	58.0	48.2	51.3	51.1	54.4	51.7	54.3	41.6	44.9	37.5	51.3	61.2
<b>BITUMINOUS COAL</b>	12	.66	120.8	121.2	125.1	136.9	123.4	115.3	136.0	144.7	144.2	72.9	55.3	57.3	79.5	132.5
<b>OIL AND GAS EXTRACTION</b>	13	4.40														
CRUDE OIL & NATURAL GAS	131	3.61	95.7	94.5	93.7	97.6	97.7	96.1	96.7	97.0	95.5	96.4	99.1	95.7	98.3	100.3
CRUDE OIL, TOTAL		2.94	92.4	91.0	89.3	93.9	94.3	92.8	94.7	94.4	92.9	93.4	96.9	92.7	95.7	98.4
ALASKA, CALIF. CRUDE		.31	136.1	106.6	105.8	130.9	133.7	153.5	175.2	168.0	167.2	171.2	174.9	161.0	192.3	203.7
TEXAS CRUDE		1.07	101.3	101.3	98.4	102.8	103.2	102.0	101.7	99.8	98.6	99.0	102.9	99.3	98.4	101.0
LA. AND OTHER CRUDE		1.57	77.7	61.0	79.8	80.7	80.7	74.2	74.2	76.4	74.6	74.4	77.5	74.8	75.1	76.2
NATURAL GAS		.67	110.4	110.1	113.1	114.0	112.6	111.0	105.4	108.5	107.1	109.6	108.8	108.7		
NATURAL GAS LIQUIDS	132	.30		117.5	119.2	118.5	117.1									
LP PROPANE		.04		107.9	111.4	113.6	114.0									
LP MATERIALS		.26		119.0	120.4	119.2	117.4									
OIL AND GAS DRILLING	138	.50	279.3	288.3	298.9	294.3	287.5	286.6	284.3	280.7	275.5	274.0	277.2	304.3	323.9	332.3
<b>FOODS</b>	20	8.75														
MEAT PRODUCTS	201	1.17	114.0	114.4	111.3	114.5	111.6	116.1	116.1	112.0	114.8	111.6	109.2	117.9	113.8	116.0
BEEF		.40	125.0	124.7	120.9	127.1	123.0	127.9	125.5	120.0	121.8	121.2	121.7	129.6	120.7	125.0
PORK		.55	105.0	104.9	100.2	101.6	101.9	107.2	108.6	106.7	110.8	102.5	97.4	108.8	104.7	107.0
MISC. MEATS		.22	116.5	119.5	121.5	123.6	115.1	116.6	117.8	110.8	112.1	116.9	116.0	119.6	123.8	122.8
DAIRY PRODUCTS	202	1.14	117.4	116.8	116.6	115.5	117.0	118.2	118.9	118.9	119.9	119.2	119.0	118.7	119.6	119.6
BUTTER	2021	.04	89.2	82.9	81.9	77.5	90.4	90.7	98.1	100.4	94.9	88.4	97.1	93.2	83.6	84.9
CHEESE	2022	.07	219.0	216.6	218.6	208.8	207.7	217.3	222.7	222.3	229.7	231.2	230.8	230.0	233.9	224.0
CONCENTRATED MILK	2023	.12	59.6	59.5	56.7	57.1	63.7	64.5	63.1	59.8	60.8	58.5	59.2	54.0	54.5	54.3
FROZEN DESSERTS	2024	.13	126.6	129.9	127.7	123.2	126.1	127.7	126.6	127.3	131.6	128.6	121.3	123.7	129.8	135.7
CANNED AND FROZEN FOODS	203	1.18	162.3	162.2	161.9	162.5	165.7	164.9	165.3	164.0	164.3	168.0	162.4	160.9	162.8	163.4
GRAIN MILL PRODUCTS	204	.95	167.9	168.1	173.2	166.7	166.4	167.8	165.3	165.8	169.9	170.5	165.7	170.1	177.8	181.6
FLOUR & CORN MILL.	2041,6	.28	106.5	111.1	106.9	99.0	103.6	106.1	97.8	103.5	109.0	110.9	104.0	111.3	115.1	122.7
BAKERY PRODUCTS	205	1.15	112.5	111.1	109.7	114.5	115.3	113.4	114.7	113.7	114.0	116.4	115.3	115.9	115.6	117.3
SUGAR	206	.21	126.4	133.9	124.6	115.4	120.1	120.9	122.8	123.1	133.0	127.6	109.9	119.0	116.7	118.6
CONFECTIONERY	207	.41	108.2	105.6	106.3	104.0	93.7	121.0	103.1	107.7	108.1	122.8	104.5	113.3	99.4	116.2
BEVERAGES	208	1.58	167.6	169.8	172.7	166.2	172.4	168.0	166.0	168.1	168.4	167.6	174.5	176.0	173.4	175.8
BEER AND ALE	2082,3	.52	147.0	153.8	160.1	145.2	148.8	141.2	137.2	143.5	147.6	145.1	152.4	155.2	144.5	
WINES AND BRANDY	2084	.07	217.3	215.8	229.0	214.6	246.3	234.1	234.0	202.3	219.2	213.5	204.5	211.3	222.8	
LIQUORS	2085	.24	122.1	120.1	119.7	119.4	123.1	125.6	119.1	122.7	124.6	116.9	140.5	138.0	126.4	125.2
SOFT DRINKS	2086,7	.74	192.5	193.1	193.9	191.8	198.6	194.8	195.6	197.2	192.8	195.7	198.4	200.0	204.4	202.9
MISC. FOOD PREPARATIONS	209	.97	129.3	127.8	126.9	126.1	126.8	127.1	124.8	130.4	132.9	132.1	134.0	134.6	136.6	133.5
FATS AND OILS	2091-4,6	.30	124.5	122.4	116.8	117.5	115.2	116.8	123.9	127.4	131.1	127.1	123.4	131.4	138.9	130.0
COFFEE, MISC. FOOD	2095,7-9	.67	131.5	130.3	131.5	129.9	131.9	131.8	125.3	131.7	133.8	134.4	138.6	136.0	135.5	
<b>TOBACCO PRODUCTS</b>	21	.67														
CIGARETTES	211	.54	114.6	112.9	104.6	121.3	114.8	118.1	112.4	113.1	117.7	123.4	113.0	120.5	115.9	115.6
CIGARS	212	.07	67.4	63.6	67.7	72.2	63.3	61.1	66.0	69.0	68.0	73.8	64.7	68.8	66.6	65.8
<b>TEXTILE MILL PRODUCTS</b>	22	2.69														
FABRICS	221-4	1.05	98.0	96.0	96.9	92.7	94.1	99.0	98.9	101.8	101.2	105.0	98.2	98.8	97.9	98.8
COTTON FABRICS	221,4	.60	76.5	77.1	76.0	74.5	74.2	75.6	77.0	80.0	77.4	75.9	74.8	74.4	73.3	73.7
MAN-MADE FABRICS	222	.30	163.2	157.7	161.4	150.5	156.5	167.9	164.1	166.4	170.9	184.7	168.9	167.7	165.1	
WOOL FABRICS	223	.14	49.9	45.0	47.9	46.1	45.1	50.8	52.7	56.6	53.5	56.0	47.1	55.4	59.1	
KNIT GOODS	225	.63	194.3	193.7	194.1	195.9	198.4	192.2	196.3	200.4	196.2	201.7	187.0	189.6	189.1	190.0
HOSIERY	2251,2	.21	184.0	180.7	179.5	182.7	189.7	175.7	182.8	205.2	190.0	199.5	174.5	187.9		
KNIT GARMENTS	2253-9	.42	199.6	200.2	201.3	202.7	203.0	200.6	202.8	197.8	199.6	202.7	193.5	190.6	191.9	192.5
FABRIC FINISHING	226	.23	146.0	145.8	144.0	147.6	148.3	147.4	148.4	152.2	143.6	157.8	144.9	141.8	141.9	
CARPETING	227	.20	180.5	159.4	175.5	178.7	187.2	188.3	190.5	199.1	200.6	191.4	162.6	171.0	166.9	168.5
YARN & MISC. TEXTILES	228-9	.57	127.0	126.0	124.8	122.2	125.3	122.7	129.0	133.7	132.2	134.6	133.7	133.4	130.6	136.2
<b>APPAREL PRODUCTS</b>	23	3.33														
MEN'S OUTERWEAR	231,2	1.06	111.1	104.7	107.6	106.1	111.3	115.1	121.7	124.5	105.0	116.7	103.0	110.7	107.4	115.7
MEN'S SUITS AND COATS	231	.34	91.8	81.9	80.5	88.4	97.1	91.6	99.4	100.4	92.9	100.2	87.6	90.0	96.6	98.7
MEN'S FURNISHINGS	232	.69	122.5	117.5	122.6	116.5	120.1	128.4	135.0	138.7	112.4	126.7	112.0	122.6	114.4	126.1
WOMEN'S OUTERWEAR	233	1.05	152.4	151.1	154.8	151.1	140.8	153.8	158.6	155.2	150.2	153.2	135.4	142.4	144.1	167.2
MISC. APP. & ALLIED GDS	234-9	1.20	111.9	110.2	110.6	110.6	111.5	109.7	111.8	112.7	115.5	117.1	115.4	113.2	116.0	116.2
<b>LUMBER AND PRODUCTS</b>	24	1.64														
LOGGING AND LUMBER	241,2	.82	110.5	110.2	111.2	105.3	110.7	106.0	110.2	113.7	104.7	118.1	111.6	110.4	107.5	107.0
LUMBER	242	.59	110.6	109.2	112.5	104.9	112.4	107.2	111.2	115.7	105.7	119.6	109.6	108.9	103.7	
LUMBER PRODUCTS	243,4,9	.82	156.2	150.9	154.8	155.3	155.1	157.6	161.8	158.6	161.0	164.2	164.4	162.5	165.9	163.6
MILLWORK AND PLYWOOD	243	.50	168.9	161.3	168.4	167.6	165.9	170.4	177.4	170.0	173.4	178.1	180.2	175.8	180.2	
PLYWD, PREFAB PROD	2432,3	.29	187.7	178.8	188.8	186.9	183.3	189.4	198.2	184.8	188.0	193.3	199.9	191.5	197.1	
<b>FURNITURE AND FIXTURES</b>	25	1.37														

Table 7.  
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967												1978			
		PRO- IDN	1977 AVG.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	
<b>METAL MINING</b>	101	.51															
IRON ORE	101.61	.24	74.3	99.1	111.6	121.2	107.1	28.5	28.8	24.9	25.0	60.8	82.3	85.4	102.0	101.1	
NONFERROUS ORES	102-5,8,9	.27	133.3	147.6	147.2	142.1	92.6	114.8	120.7	133.2	132.8	129.9	133.9	138.0	136.9	138.4	
COPPER ORE	102	.14	158.1	184.2	183.5	173.6	87.8	123.7	134.4	156.2	155.9	150.3	157.0	166.2	161.0	169.0	
LEAD AND ZINC ORES	103	.03	103.3	111.8	102.6	106.9	63.6	107.5	98.4	101.0	100.0	99.1	97.4	99.6	105.6	101.4	
<b>ANTHRACITE BITUMINOUS COAL</b>	111	.03	50.8	50.5	59.8	48.2	40.4	55.8	57.8	55.5	57.8	41.5	41.5	36.1	51.6	61.0	
121	.66	120.8	128.5	130.6	136.9	107.4	114.7	140.5	144.8	140.6	68.7	53.9	60.3	83.6	140.5		
<b>OIL AND GAS EXTRACTION</b>	131	4.40															
CRUDE OIL & NATURAL GAS	131	3.61	95.7	95.1	94.0	97.4	97.2	95.5	96.1	96.5	95.9	96.3	98.6	97.1	98.6	100.9	
CRUDE OIL, TOTAL		2.94	92.4	91.6	90.2	94.2	94.5	92.7	94.5	94.4	93.0	92.7	95.4	92.8	95.9	99.0	
ALASKA, CALIF. CRUDE		.31	136.1	106.5	106.1	131.6	134.4	154.4	175.4	168.7	168.0	170.0	173.7	159.4	191.3	203.5	
TEXAS CRUDE		1.07	101.3	103.1	99.6	103.0	103.0	101.4	101.1	99.4	98.0	98.0	101.0	99.7	99.9	102.8	
LA. AND OTHER CRUDE		1.57	77.7	80.9	80.6	80.9	80.9	74.7	74.2	76.5	75.0	74.0	76.3	75.1	74.6	76.1	
NATURAL GAS LIQUIDS		.67	110.4	110.3	110.4	111.3	108.9	107.4	103.1	105.6	108.5	112.1	112.8	116.2			
LP PROPANE		.30		117.1	118.8	117.8	116.4										
LP MATERIALS		.04		111.0	111.0	110.0	107.0										
OIL AND GAS DRILLING	138	.26		118.0	120.0	119.0	118.0										
		.50	279.3	266.1	276.5	280.2	282.3	288.3	290.8	293.1	294.8	298.7	296.9	297.9	301.2	306.7	
<b>FOODS</b>	201	8.75															
MEAT PRODUCTS	201	1.17	114.0	113.3	109.2	114.6	103.2	114.9	116.8	121.1	121.1	110.6	110.2	113.3	112.3	115.0	
BEEF		.40	125.0	121.1	118.6	130.0	119.8	127.5	126.5	127.4	123.9	119.4	123.8	127.0	118.6	121.4	
PORK		.55	105.0	110.0	100.4	98.3	85.4	99.2	108.8	113.0	119.4	104.4	101.1	106.3	108.9	112.2	
MISC. MEATS		.22	116.5	107.3	114.5	126.9	117.1	131.1	129.7	129.8	119.7	110.4	108.7	105.9	109.4	110.3	
DAIRY PRODUCTS	202	1.14	117.4	120.1	122.4	125.3	122.2	120.1	116.8	113.7	112.3	113.4	113.9	116.8	120.4	123.0	
BUTTER	202.1	.04	89.2	99.7	100.9	92.3	83.6	72.9	73.3	84.3	79.4	85.0	105.2	101.4	91.1	102.1	
CHEESE	202.2	.07	219.0	239.6	251.2	250.1	218.1	209.9	201.1	197.2	199.4	214.3	213.5	225.2	243.7	247.7	
CONCENTRATED MILK	202.3	.12	59.6	69.6	75.7	79.9	71.1	63.1	51.9	46.2	43.3	50.0	51.2	50.5	56.6	63.5	
FROZEN DESSERTS	202.4	.13	126.6	130.7	136.5	158.5	159.4	154.1	138.5	115.3	104.5	95.3	92.7	110.1	126.8	136.5	
CANNED AND FROZEN FOODS	203	1.18	162.3	153.0	154.5	159.1	160.9	174.3	195.7	187.6	167.9	153.7	151.2	154.1	153.0	154.1	
GRAIN MILL PRODUCTS	204	.95	167.9	158.9	161.1	163.5	164.2	173.0	171.2	175.3	174.3	174.1	165.9	170.4	173.7	171.6	
FLOUR & CORN MILL.	204.1,6	.28	106.5	104.1	100.4	98.8	97.8	106.0	106.1	111.2	108.1	112.5	104.9	115.4	112.0	115.0	
BAKERY PRODUCTS	205	1.15	112.5	104.7	106.1	118.4	123.8	124.3	125.4	119.0	113.3	111.4	108.5	107.1	108.0	110.5	
SUGAR	205.1	.21	126.4	112.2	108.9	106.9	99.0	106.0	116.0	157.3	174.4	159.0	120.9	105.7	103.6	99.4	
CONFECTIONERY	207	.41	108.2	92.5	89.1	91.9	65.7	130.4	158.2	127.0	116.5	100.3	95.8	122.0	101.5	101.6	
BEVERAGES	208	1.58	167.6	169.1	173.6	183.6	180.8	181.1	177.3	173.8	163.3	154.5	158.1	156.6	168.7	174.9	
BEER AND ALE	208.2,3	.52	147.0	168.6	172.9	174.1	167.5	151.4	136.9	132.6	123.8	121.2	132.6	142.8	150.3		
WINES AND BRANDY	208.4	.07	217.3	200.9	206.3	218.0	176.1	202.3	228.4	244.0	261.3	263.2	205.9	193.3	233.0		
LIQUORS	208.5	.24	122.1	115.7	114.0	130.2	97.1	123.1	128.1	151.7	143.0	116.5	122.7	119.8	130.6	120.7	
SOFT DRINKS	208.6,7	.74	192.5	184.2	190.6	204.7	217.9	219.2	217.5	203.7	189.1	180.8	183.3	175.2	188.5	193.6	
MISC. FOOD PREPARATIONS	209	.97	129.3	129.7	124.4	122.3	117.5	121.0	121.9	130.4	138.1	137.5	138.8	142.5	137.3	135.6	
FATS AND OILS	209.1-4,6	.30	124.5	120.8	112.5	111.6	99.3	105.6	113.2	131.7	143.9	136.6	135.6	141.9	143.9	129.0	
COFFEE, MISC.FOOD	209.5,7-9	.67	131.5	133.7	129.8	127.2	125.8	128.0	125.8	129.9	135.5	138.0	140.2	142.8	134.4		
<b>TOBACCO PRODUCTS</b>	211	.67															
CIGARETTES	211.1	.54	114.6	109.5	106.1	128.6	100.2	127.7	116.4	123.7	118.9	95.5	116.1	126.8	116.9	112.1	
CIGARS	212	.07	67.4	63.3	68.0	70.2	47.7	66.3	71.4	82.0	73.1	56.8	64.2	72.8	68.3	65.5	
<b>TEXTILE MILL PRODUCTS</b>	221	2.69															
FABRICS	221-4	1.05	98.0	98.4	101.6	95.7	77.8	99.0	96.6	102.0	101.5	96.8	102.3	104.8	103.8	101.2	
COTTON FABRICS	221.4	.60	76.5	78.6	78.7	76.5	61.4	76.5	75.5	81.0	78.5	70.2	77.0	78.4	77.6	75.2	
MAN-MADE FABRICS	222	.30	163.2	159.6	169.0	155.3	129.1	167.7	162.8	168.4	173.1	171.2	174.8	176.4	173.9		
WOOL FABRICS	223	.14	49.9	51.1	55.3	49.6	37.6	47.2	44.5	49.8	47.1	50.1	54.6	63.8	64.9		
KNIT GOODS	225	.63	194.3	193.3	196.0	213.5	194.0	213.3	215.7	207.6	193.5	176.7	162.7	181.3	187.0	189.8	
HOSIERY	225.1,2	.21	184.0	194.6	177.2	193.5	184.2	187.1	191.6	205.8	181.6	159.6	157.2	191.7			
KNIT GARMENTS	225.3-9	.42	199.6	192.6	205.5	223.8	198.7	226.5	228.0	208.5	199.6	185.5	165.6	176.1	178.5	185.2	
FABRIC FINISHING	226	.23	146.0	153.1	150.5	155.6	106.9	148.3	147.1	160.0	147.0	146.4	144.6	149.2	153.0		
CARPETING	227	.20	180.5	172.6	179.2	181.2	171.1	176.6	203.6	218.8	207.6	184.3	160.9	159.4	177.2	182.2	
YARN & MISC.TEXTILES	228,9	.57	127.0	128.8	128.7	125.7	108.0	128.8	128.7	138.6	132.5	123.3	133.2	137.1	133.0	139.3	
<b>APPAREL PRODUCTS</b>	231	3.33															
MEN'S OUTERWEAR	231.2	1.06	111.1	114.0	109.6	112.6	85.6	113.9	127.1	128.0	105.7	100.4	102.0	115.7	117.1	126.3	
MEN'S SUITS AND COATS	231.1	.34	91.8	92.9	85.7	87.7	62.9	92.1	104.9	108.9	97.3	86.3	87.2	92.5	104.6	111.9	
MEN'S FURNISHINGS	232	.69	122.5	126.3	123.1	126.7	97.5	126.5	140.4	139.8	111.4	108.7	110.7	129.1	125.3	135.6	
WOMEN'S OUTERWEAR	233	1.05	152.4	157.6	149.2	156.5	130.5	159.6	167.2	165.6	143.3	119.5	131.6	154.6	155.1	174.1	
MISC. APP.& ALLIED GDS	234-9	1.20	111.9	104.9	107.7	116.3	111.9	122.6	123.3	118.1	114.7	110.5	104.8	107.8	110.0	110.7	
<b>LUMBER AND PRODUCTS</b>	241	1.64															
LOGGING AND LUMBER	241.2	.82	110.5	115.0	111.9	112.6	111.5	111.3	117.8	119.0	101.7	103.1	98.5	108.6	106.4	111.3	
LUMBER	242	.59	110.6	119.0	113.3	110.1	108.6	109.6	117.3	119.9	98.9	102.6	99.1	111.3	107.4		
LUMBER PRODUCTS	243,4,9	.82	156.2	153.2	157.9	159.0	148.4	161.1	161.6	162.6	160.4	156.8	158.3	163.2	168.7	165.9	
MILLWORK AND PLYWOOD	243	.50	168.9	164.4	171.9	172.5	157.4	177.6	177.6	177.0	171.1	166.3	171.9	175.4	183.6		
PLYWD,PREFAB PROD	243.2,3	.29															



## Table 6. (continued) DETAILED OUTPUT SERIES

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1977												1978			
		1967 TIONS	PRO-1 1977	1977 AVG.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.
<b>PAPER AND PRODUCTS</b>																	
PAPER AND PAPER	261-3	3.21															
PULP AND PAPER	261-3	1.38	132.2	131.2	135.6	136.1	132.7	135.8	132.6	131.9	128.3	129.5	133.5	135.0	136.4	137.6	
WOOD PULP	2611	.50	127.8	128.2	130.2	131.8	127.7	127.9	126.5	127.1	126.5	123.8	128.3	126.9	129.4	131.5	
PAPER	2621	.54	134.6	130.5	137.4	136.6	136.5	142.2	135.4	134.3	134.6	131.5	139.4	139.0	138.7	140.1	
PAPERBOARD	2631	.34	135.0	136.8	140.8	141.5	134.1	137.8	137.2	134.8	121.3	134.2	131.7	140.8	143.2	142.6	
CONVERTED PAPER PROD.	2641	.93	145.5	142.6	145.8	147.7	145.3	149.6	148.3	146.5	149.2	149.7	150.7	156.3	158.5	156.7	
SANITARY PAPER PROD.	2647	.18	133.3	133.8	131.8	139.9	141.2	137.6	133.3	131.7	129.3	133.3	135.3	130.1	137.6	138.0	
PAPERBOARD CONTAINERS	2651	.84	138.6	139.9	143.3	140.8	137.2	136.6	140.7	137.4	141.5	143.6	137.6	147.6	147.8	153.9	
BUILDING PAPER AND BOARD	2661	.06	112.8	107.9	110.8	116.6	112.8	119.7	112.3	117.2	121.2	118.4	109.3	115.2	113.7	115.7	
<b>PRINTING AND PUBLISHING</b>																	
NEWSPAPERS	2711	1.38	102.0	99.3	99.9	102.3	102.2	102.4	103.6	104.4	105.8	105.9	104.8	104.8	105.2	107.6	
PERIOD., BOOKS, CARDS	272,3,7	1.38	119.6	119.4	121.4	117.5	119.8	118.2	118.4	118.9	122.7	124.9	126.7	120.8	122.2	119.6	
JOB PRINTING	274-6,8,9	1.96	144.4	143.0	143.8	144.3	144.5	145.8	142.0	145.6	143.2	145.8	150.1	149.3	151.6	150.1	
<b>CHEMICALS AND PRODUCTS</b>																	
CHEMICALS & SYN. MAT.	281,2	3.79	196.8	199.4	200.3	203.6	200.2	200.7	196.9	197.0	198.2	195.5	199.5	199.7	204.3	206.2	
BASIC CHEMICALS	2811	2.54	165.3	169.3	168.7	170.2	166.7	168.7	164.3	163.9	164.3	164.1	165.1	163.0	166.5	171.0	
ALKALIES & CHLORINE	2812	.14	116.7	121.0	114.9	125.0	115.5	117.3	119.5	119.4	112.1	111.5	111.4	118.2	109.8	118.7	
GASES, ETC.	2813,5,6	.48	171.9	160.0	181.8	178.7	170.5	174.4	161.2	168.0	176.2	176.5	174.9	164.8			
BASIC ORG. CHEM.	2818	1.18	193.2	195.7	194.6	195.0	195.8	194.4	190.7	190.5	192.1	193.0	192.9	202.8	204.0	208.3	
INORG. CHEM. NEC	2819	.75	126.5	130.0	129.7	134.7	128.6	134.4	133.3	128.3	122.8	121.0	124.7	108.0	109.0	115.1	
ACIDS & FERTILIZER MAT.		.55	121.7	125.1	122.4	125.4	120.4	127.7	127.3	125.3	118.4	119.6	121.9	122.4	125.9	128.0	
SULFURIC ACID, ETC.		.41	114.5	118.1	113.8	119.3	110.5	119.2	118.9	118.3	111.8	112.4	114.6	115.7	117.4	120.6	
FERTILIZER MATERIALS		.14	142.6	145.3	147.5	143.9	149.0	152.2	152.3	145.8	137.8	139.8	143.2	141.2	150.2	149.3	
ERDA NUCLEAR MATLS		.15	153.8	159.2	168.0	181.8	169.9	171.6	167.7	150.4	145.9	132.3	142.1	56.7	48.2	70.6	
SYNTHETIC MATERIALS	2821	1.25	260.8	260.6	264.6	271.3	268.4	266.2	263.7	264.4	267.5	259.2	269.5	274.5	281.4	278.4	
PLASTICS MATERIALS	2821	.54	130.3	131.9	324.0	327.2	337.8	332.7	324.5	336.4	334.3	324.3	341.8	328.9	353.4		
SYNTHETIC RUBBER	2822	.13	124.4	122.4	126.4	129.1	121.4	122.2	127.1	121.0	124.0	122.5	117.8	126.4	125.5		
MAN-MADE FIBERS	2823,4	.58	126.8	127.7	240.9	251.9	237.6	237.0	238.5	230.1	238.4	230.1	237.1	258.0	250.2	248.7	
CHEMICAL PRODUCTS	283-7,9	3.95	165.3	162.8	165.9	165.3	164.3	167.1	164.6	166.5	170.6	169.8	170.1	166.4	167.9	167.6	
DRUGS AND MEDICINES	2831	1.34	121.6	120.4	215.3	213.5	211.5	214.7	212.5	212.0	216.3	216.7	214.8	212.7	212.4	212.9	
SOAP AND TOILETRIES	2841	1.29	148.3	145.1	145.2	145.9	145.7	149.9	145.8	150.6	156.1	155.7	159.1	154.6	152.5	152.5	
PAINTS	2851	.43	108.5	106.2	112.5	111.3	106.2	110.2	102.1	106.5	112.7	107.2	104.2	108.8	109.3	106.2	
AGRICULTURAL CHEMICALS	2871	.33	207.5	202.5	205.6	207.6	210.7	211.0	215.9	215.5	214.8	210.1	213.6	213.6	212.4	210.6	
<b>PETROLEUM PRODUCTS</b>																	
PETROLEUM REFINING	291,9	1.64	141.6	144.0	143.5	140.9	141.1	140.9	143.6	140.1	142.0	136.4	139.3	138.0	142.9	141.6	
AUTOMOTIVE GASOLINE		.84	141.9	148.3	144.0	141.6	139.6	139.4	139.8	138.7	144.1	136.6	142.4	141.2	145.2	142.2	
DISTILLATE FUEL OIL		.29	147.0	144.2	146.3	138.4	145.6	146.3	153.0	146.3	148.9	140.2	136.3	128.8	139.4	139.2	
RESIDUAL FUEL OIL		.05	126.4	131.7	238.0	251.0	246.1	234.6	254.3	250.1	207.8	194.6	199.9	200.1	209.9	216.5	
AVIATION FUEL & KEROS.		.17	100.9	99.4	102.4	101.9	100.5	107.9	109.3	101.1	94.3	96.4	101.5	97.8	99.8	105.6	
MISC. PETROLEUM PROD.		.28															
REFINERY FUEL NEC		.06															
REFINERY NONFUEL MAT.		.14															
REFINERY PRODUCTS NEC		.08															
<b>RUBBER &amp; PLASTICS PROD.</b>																	
TIRES	3011	.60	165.2	167.6	169.1	174.1	180.0	172.4	162.8	156.7	162.1	155.9	147.6	149.0	155.4	163.4	
RUB. PROD. EX. TIRES	302,3,6	.68	153.2	153.4	154.7	155.4	154.5	151.0	154.9	155.6	153.9	154.4	153.0	153.0	153.6	155.8	
PLASTICS PRODUCTS NEC	3071	.98	326.7	310.9	322.5	327.8	335.9	338.2	342.4	332.9	347.5	352.5	357.1	358.7	359.9	365.6	
<b>LEATHER AND PRODUCTS</b>																	
PERS. LEATHER GDS.	313,5-7,9	.22	98.7	100.8	101.3	101.1	96.6	100.1	98.1	99.6	97.2	93.8	92.4	91.3	96.1	99.9	
SHOES	3141	.53	64.8	63.5	65.4	62.6	61.8	64.2	62.7	66.8	70.4	67.1	65.5	63.7	58.3	59.0	
<b>CLAY, GLASS, &amp; ST. PROD.</b>																	
PRESSED AND BLOWN GLASS	3221	.49	143.9	141.5	139.5	144.7	144.3	155.5	134.7	140.9	157.1	146.7	152.8	153.9	151.2	157.2	
GLASS CONTAINERS	3221	.28	136.4	131.3	130.8	134.5	139.3	155.1	117.9	128.1	154.0	135.8	145.2	149.3	144.6	151.3	
CEMENT	3241	.27	112.1	115.1	115.0	116.0	112.9	109.3	111.2	114.9	113.9	121.9	89.3	93.0	115.1		
STRUCTURAL CLAY PRODUCTS	3251	.20	114.4	110.9	115.8	119.8	115.8	118.3	122.8	117.3	120.8	123.7	118.8	119.8	119.8	119.8	
BRICK	3251	.08	114.6	110.0	116.1	125.1	119.0	124.7	130.8	119.7	127.5	129.6	116.9	120.0	121.5	123.4	
CONCRETE, MISC. CLAY MFR.	326-9	1.51	147.4	146.6	146.0	147.9	150.7	149.0	148.8	151.1	151.0	151.0	154.9	155.1	157.9	157.6	
<b>PRIMARY METALS</b>																	
IRON AND STEEL	331,2	6.57															
BASIC STEEL & MILL PRD	3311	3.34	102.1	103.1	111.6	108.9	110.1	109.7	101.8	105.8	100.6	101.2	99.5	94.6	95.2	109.1	
BASIC IRON AND STEEL		1.34	97.4	97.8	104.0	106.5	101.0	102.8	101.3	99.1	95.7	94.7	91.4	89.7	88.2	97.4	
PIG IRON		.46	92.7	94.5	100.4	101.8	96.9	97.7	97.7	93.2	88.8	88.3	85.3	85.2	86.8	92.0	
RAW STEEL		.72	103.7	102.8	110.5	113.9	106.7	110.8	108.0	106.4	102.8	102.8	100.9	100.4	99.6	107.4	
COKE AND PRODUCTS		.16	83.0	84.2	84.5	86.8	87.2	80.7	80.9	82.8	83.1	76.1	66.0	53.9	40.6	67.7	
STEEL MILL PRODUCTS		2.01	105.3	106.8	116.7	110.4	116.3	114.1	102.2	110.4	104.2	105.7	104.9	98.0	99.8	116.9	
CONSUMER DUR. STEEL		.31	122.5	119.0	140.0	133.5	138.9	127.8	120.0	132.4	121.4	120.0	115.4	101.5	97.0	113.9	
EQUIPMENT STEEL		.51	113.2	114.2	126.0	114.3	127.7	125.1	109.6	125.5	115.9	116.3	111.8	103.3	107.4	126.8	
CONSTRUCTION STEEL		.41	68.3	70.3	75.5	76.7	76.1	72.7	66.1	70.6	69.8	68.4	73.0	61.7	62.8	75.1	
CAN & CLOSURE STEEL		.13	87.0	72.5	74.5	77.4	86.6	106.8	88.8	82.5	71.4	79.4	68.7	102.6	91.4	77.3	
MISC. STEEL		.65	117.8	125.0	132.8	124.2	128.3	126.2	113.3	118.2	115.0	119.3	121.8	113.8	120.1	144.8	
IRON & STEEL FOUNDRIES	3321	.87	108.0	107.7	111.3	111.2	116.9	114.4	107.3	116.0	107.8	102.2	98.2	102.3	100.6	114.8	

**Table 7. (continued)**  
**DETAILED OUTPUT SERIES**

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977		1978												
		PRO- TION	POR- AVG.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	
<b>PAPER AND PRODUCTS</b>																	
PULP AND PAPER	261-31	3.21	1.38	132.2	135.8	138.6	139.1	123.8	136.8	128.0	135.9	129.8	117.6	133.2	139.6	141.0	142.4
WOOD PULP	2611		.50	127.8	132.6	132.9	135.4	121.7	129.2	121.6	130.1	128.8	112.0	127.8	129.4	133.2	136.0
PAPER	2621		.54	134.6	135.1	139.6	138.6	124.8	141.1	131.6	138.6	135.9	123.1	139.4	145.0	144.0	145.0
PAPERBOARD	2631		.34	135.0	141.7	145.6	145.3	125.1	141.1	131.7	140.1	121.6	117.3	131.2	146.0	147.9	147.7
CONVERTED PAPER PROD.	2644		.93	145.5	147.7	149.2	148.4	134.0	147.2	144.3	150.6	150.2	138.8	152.7	162.6	165.6	162.3
SANITARY PAPER PROD.	2647		.18	133.3	138.6	134.6	139.3	130.6	136.4	127.2	137.1	131.2	124.2	135.4	136.5	142.8	143.0
PAPERBOARD CONTAINERS	2651		.84	138.6	142.1	142.3	143.2	129.4	138.8	146.9	147.8	141.6	128.7	131.3	149.5	151.9	156.4
BUILDING PAPER AND BOARD	2661		.06	112.8	115.4	115.8	120.1	107.6	127.7	112.6	122.0	116.4	100.3	99.0	118.2	118.9	123.8
<b>PRINTING AND PUBLISHING</b>																	
NEWSPAPERS	2711	4.72	1.38	102.0	103.7	105.4	102.4	92.2	96.3	103.3	110.5	114.2	106.6	96.4	102.4	107.0	112.4
PERIOD., BOOKS, CARDS	272,3,7		1.38	119.6	113.3	115.2	122.7	127.9	132.9	132.2	126.9	120.6	114.4	114.2	113.7	114.5	113.5
JOB PRINTING	274-6,8,9		1.96	144.4	131.6	139.1	151.7	159.2	166.7	162.4	154.9	142.9	135.9	132.1	134.2	136.3	138.1
<b>CHEMICALS AND PRODUCTS</b>																	
CHEMICALS & SYN. MAT.	281,2	7.74	3.79	196.8	202.6	202.3	205.4	194.6	198.9	199.1	199.2	199.0	194.9	193.5	199.3	204.7	209.5
BASIC CHEMICALS	2811		2.54	165.3	170.0	169.5	169.2	165.4	167.4	165.4	168.7	165.6	166.1	162.1	158.6	164.3	171.3
ALKALIES & CHLORINE	2812		.14	116.7	122.8	116.6	124.0	114.8	116.4	117.2	120.2	115.9	113.0	107.4	118.7	108.3	120.5
GASES, ETC.	2813,5,6		.48	171.9	182.0	185.1	186.7	170.5	170.7	162.2	169.8	169.5	176.7	166.0	168.3		
BASIC ORG. CHEM.	2818		1.18	193.2	192.6	190.9	193.2	199.3	198.9	197.0	197.4	195.7	195.7	191.4	189.8	197.9	205.0
INDRG. CHEM. NEC	2819		.75	126.5	135.9	136.1	128.9	118.6	125.5	126.8	132.2	125.5	123.1	124.0	111.0	112.2	119.9
ACIDS & FERTILIZER MAT.			.55	121.7	130.6	128.4	126.2	114.3	121.7	124.4	124.8	119.9	119.2	117.0	126.4	128.9	133.5
SULFURIC ACID, ETC.			.41	114.5	121.1	118.4	119.7	106.5	114.2	116.6	117.8	113.6	112.7	110.4	119.2	119.2	123.6
FERTILIZER MATERIALS			.14	142.6	157.9	156.9	144.8	136.3	143.7	147.3	145.4	137.5	137.7	135.6	147.3	156.8	162.3
ERDA NUCLEAR MATLS			.15	153.8	169.2	177.7	149.6	142.0	146.8	145.6	171.6	153.3	143.9	156.6	56.9	52.9	75.1
SYNTHETIC MATERIALS	2821		1.25	260.8	269.1	269.1	279.2	254.2	263.0	267.7	261.2	267.0	253.5	257.4	282.2	287.0	287.3
PLASTIC MATERIALS	28211		.54	320.3	331.4	331.1	339.0	315.5	328.0	334.2	335.1	331.3	316.5	318.6	339.1	363.7	
SYNTHETIC RUBBER	2822		.13	124.4	128.2	129.4	126.4	115.9	120.5	126.3	122.2	122.4	119.1	118.0	129.3	127.4	
MAN-MADE FIBERS	2823,4		.58	236.8	243.4	243.6	258.7	229.0	235.3	238.3	224.3	240.5	225.7	232.6	264.5	252.5	254.7
CHEMICAL PRODUCTS	283-7,9		3.95	165.3	161.2	166.9	173.6	172.2	173.1	176.4	173.2	167.5	157.9	156.8	160.0	163.4	165.9
DRUGS AND MEDICINES	2831		1.34	211.6	201.7	213.1	227.4	228.4	228.4	234.8	225.4	214.4	197.0	194.0	197.4	198.8	205.0
SOAP AND TOILETRIES	2841		1.29	148.3	142.8	145.1	148.8	153.0	152.0	157.0	157.4	153.9	147.6	146.5	148.6	151.3	150.1
PAINTS	2851		.43	108.5	116.2	122.9	129.6	110.6	117.8	106.7	103.0	98.6	84.5	89.4	105.8	112.2	115.9
AGRICULTURAL CHEMICALS	2871		.33	207.5	214.4	214.9	211.1	204.0	206.6	209.9	214.4	210.5	210.3	207.6	207.2	220.5	223.0
<b>PETROLEUM PRODUCTS</b>																	
PETROLEUM REFINING	291,9	1.79	1.64	141.6	138.5	139.6	142.9	145.1	145.0	144.6	140.9	142.6	138.9	138.9	135.9	137.8	136.2
AUTOMOTIVE GASOLINE			.84	141.9	141.2	141.1	144.7	147.1	146.7	143.0	139.4	143.8	138.1	141.1	135.3	137.9	135.4
DISTILLATE FUEL OIL			.29	147.0	136.7	139.3	139.8	143.9	144.5	148.3	147.2	151.4	148.5	142.3	134.3	136.5	132.0
RESIDUAL FUEL OIL			.05	226.4	221.0	212.8	225.4	217.1	202.2	223.3	226.6	219.2	235.3	243.1	237.7	222.1	206.5
AVIATION FUEL & KEROS.			.17	100.9	99.7	98.1	97.5	95.6	104.2	108.3	102.9	96.5	98.3	102.7	104.2	103.2	105.9
MISC. PETROLEUM PROD.			.28														
REFINERY FUEL NEC			.06														
REFINERY NONFUEL MAT.			.14														
REFINERY PRODUCTS NEC			.08														
<b>RUBBER &amp; PLASTICS PROD.</b>																	
TIRES	3011	2.24	.60	165.2	174.0	163.9	173.6	126.9	154.8	163.9	167.4	156.3	148.9	157.3	170.5	173.6	168.6
RUB. PROD. EX. TIRES	302,3,6		.66	153.2	152.2	153.9	157.3	145.2	152.2	157.5	158.9	158.4	154.9	148.6	154.5	153.4	154.6
PLASTICS PRODUCTS NEC	3071		.96	326.7	315.3	326.0	335.3	313.7	337.2	346.9	346.6	355.8	340.5	333.2	366.6	366.7	370.4
<b>LEATHER AND PRODUCTS</b>																	
PERS. LEATHER GDS.	313,5-7,9	.86	.22	98.7	97.3	99.8	103.3	92.1	102.8	100.3	103.3	102.1	94.8	87.6	90.0	95.3	96.4
SHOES	314		.53	64.8	65.9	64.9	65.7	51.7	65.5	65.1	69.8	65.8	61.1	64.9	68.0	62.6	61.2
<b>CLAY, GLASS, &amp; ST. PROD.</b>																	
PRESSED AND BLOWN GLASS	3221	2.74	.49	143.9	144.5	144.5	153.0	143.9	161.7	134.6	149.2	151.0	130.0	141.3	150.8	156.9	160.7
GLASS CONTAINERS	32211		.28	136.4	132.7	135.0	147.0	139.2	166.0	115.4	135.8	144.0	113.7	136.6	147.7	151.8	153.0
CEMENT	3241		.27	112.1	116.7	128.7	144.3	132.5	139.9	134.3	141.2	110.6	81.9	49.1	64.7	96.6	
STRUCTURAL CLAY PRODUCTS	3251		.20	114.4	113.4	118.3	121.8	115.3	121.3	122.3	120.8	123.3	118.8	112.9	115.8	118.8	122.8
BRICK	32511		.08	114.6	113.2	122.8	130.2	121.1	133.6	132.4	126.4	130.1	116.5	100.9	110.6	122.2	127.0
CONCRETE, MISC. CLAY MFR.	326-9		1.51	147.4	147.0	147.0	151.5	148.7	150.9	152.2	155.2	155.8	149.0	147.6	150.1	153.6	158.1
<b>PRIMARY METALS</b>																	
IRON AND STEEL	331,2	6.57	4.21														
BASIC STEEL & MILL PRD	3311		3.34	102.1	112.8	119.5	111.3	103.1	101.1	96.9	101.8	96.1	97.4	99.9	98.5	102.7	119.2
BASIC IRON AND STEEL			1.34	97.4	106.4	110.8	108.6	95.5	94.6	94.8	94.7	92.0	91.6	92.1	94.1	95.4	106.1
PIG IRON			.46	92.7	102.5	107.0	104.5	94.1	90.8	90.6	88.6	84.8	86.2	85.8	88.8	92.6	99.8
RAW STEEL			.72	103.7	112.9	118.1	115.7	96.8	100.7	101.4	102.0	99.3	98.8	101.9	105.8	109.2	117.9
COKE AND PRODUCTS			.16	83.0	88.8	88.4	88.8	65.2	78.4	77.7	79.1	79.5	75.0	66.3	56.0	41.8	71.4
STEEL MILL PRODUCTS			2.01	105.3	117.0	125.3	113.1	108.2	105.4	98.3	106.6	98.9	101.3	105.2	101.5	107.5	127.9
CONSUMER DUR. STEEL			.31	122.5	134.9	149.4	132.6	121.5	114.9	115.1	128.6	117.4	104.0	121.6	109.9	110.5	129.2
EQUIPMENT STEEL			.51	113.2	126.1	132.8	114.1	112.5	110.6	103.7	120.2	110.1	116.6	117.1	110.9	119.6	140.0
CONSTRUCTION STEEL			.41	68.3	77.5	81.4	81.8	75.0	71.2	65.5	68.6	62.9	65.3	67.8	60.0	67.3	82.8
CAN & CLOSURE STEEL			.13	87.0	78.2	84.0	88.4	93.2	107.2	81.2	74.7	61.2	66.1	76.1	107.1	83.1	83.4
MISC. STEEL			.65	117.8	133.9	143.7	127.6	122.3	117.7	110.1	115.8	111.3	117.9	117.4	114.7	126.7	155.1
IRON & STEEL FOUNDRIES	3321		.87	108.0	115.5	115.2	120.6	97.5	103.5	109.1	121.0	105.1	92.9	95.1	110.0	109.1	123.1

**Table 6. (continued)**  
**DETAILED OUTPUT SERIES**

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977			1978										
		PRO- DUR- TIONS	1977 AVG.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.
<b>NONFERREROUS METALS</b>	333-6,9	2.36	122.4	126.8	127.9	124.0	116.0	114.5	117.0	123.6	123.5	123.3	121.7	124.0	123.9	125.0
PRIMARY NONF. METALS	333	.45	124.3	127.6	125.9	123.8	108.6	111.9	121.6	124.9	128.8	128.0	130.4	125.1	124.0	128.0
COPPER	3331	.09	127.7	145.4	147.6	144.2	66.3	77.9	125.5	122.1	129.1	125.6	129.1	118.6	126.7	126.7
ALUMINUM	3334	.27	138.6	136.4	136.4	136.4	138.8	138.0	142.2	143.1	144.9	143.5	140.2	140.2	142.3	
SECONDARY NONF. METALS	334	.09	148.5	136.6	143.5	147.1	146.9	156.1	161.7	153.1	153.6	155.2	147.8	146.2	147.6	139.9
<b>NONFERREROUS PRODUCTS</b>	335,6	1.45	130.1	138.4	138.5	133.2	126.4	119.3	120.1	130.8	128.4	129.1	127.5	132.9	133.2	132.7
NONFERREROUS MILL PROD	335	1.09	137.7	149.5	148.9	142.0	129.4	122.9	125.9	138.6	135.5	137.6	136.3	142.3	143.9	143.9
COPPER MILL PROD		.48	111.7	132.5	126.0	125.6	97.6	79.6	76.9	108.9	100.9	107.3	110.6	110.6	119.9	111.6
ALUMINUM MILL PROD		.61	158.2	163.1	166.9	154.9	154.3	156.8	164.3	162.1	162.6	162.0	160.0	167.2	162.8	169.2
CONSTRUCTION		.13	182.5	179.4	192.6	174.3	182.9	186.0	182.7	181.6	192.3	188.9	184.0	199.5	191.1	207.4
NONCONSTRUCTION		.48	151.6	158.7	159.9	149.7	146.3	149.0	159.5	156.9	154.6	154.7	153.5	158.5	155.1	159.0
NONFERREROUS FOUNDRIES	336	.35	106.2	104.0	106.0	106.0	117.4	107.8	102.0	105.6	106.5	101.6	93.7	103.7	99.6	
<b>FABRICATED METAL PRODUCTS</b>	34	5.93														
METAL CANS	341	.38	141.9	138.4	138.4	144.3	143.8	142.2	144.1	147.4	146.3	144.0	141.3	142.9	145.6	145.4
HDWE, PLUMB, STRUCT, MET	342-4	2.67	135.3	131.0	131.2	132.9	134.5	141.6	140.1	138.0	140.2	141.3	143.4	143.9	144.8	146.1
HARDWARE, TOOLS, CUTL	342	.76	125.8	124.8	124.7	122.8	125.9	131.6	130.2	127.0	127.6	126.9	129.9	130.8	130.4	132.7
STRUCTURAL METAL PROD	344	1.62	138.8	133.4	133.5	136.6	136.4	145.2	143.3	142.3	144.9	147.2	149.5	150.2	152.3	153.0
OTHER FAB. MET. PROD.	345-9	2.89	125.4	123.2	123.8	127.2	127.4	127.1	126.4	128.2	130.5	130.6	130.4	129.0	130.5	133.0
FASTENERS, STAMP, ETC	345-8	2.03	119.4	116.5	117.2	121.0	122.3	121.6	120.6	122.4	125.1	125.1	123.9	122.4	123.3	126.5
<b>NONELECTRICAL MACHINERY</b>	35	9.15														
ENGINE AND FARM EQUIP.	351-2	1.20	162.4	160.2	157.9	154.4	165.3	165.1	163.4	168.0	166.8	170.3	158.4	164.2	164.8	166.1
FARM TRACTORS		.19	106.7	107.3	119.9	109.4	109.1	96.6	80.2	100.9	108.8	100.9	70.7	96.3	97.8	91.9
CONSTRUCTION & ALLIED EQ	353	1.36	150.3	144.3	148.1	150.7	150.8	150.8	153.5	158.9	157.0	160.4	160.2	160.2	162.0	161.8
TRACKLAYING TRACTORS		.16	101.1	94.3	94.8	96.7	96.3	93.0	96.1	116.8	107.0	124.4	116.1	112.9	104.6	100.4
METALWORKING MACHINERY	354	1.67	108.5	105.9	105.2	110.9	112.3	111.0	113.8	112.2	112.2	112.0	110.8	108.4	108.6	110.3
SPEC. & GENL IND EQ	355,6	2.30	115.8	114.5	114.8	115.3	117.6	116.8	118.5	118.6	119.0	120.7	121.2	118.9	122.2	122.7
OFFICE, SERV. & MISC.	357-9	2.63	182.6	182.8	181.2	181.8	179.1	182.6	183.5	185.0	186.5	191.2	190.0	192.9	193.0	195.9
<b>ELECTRICAL MACHINERY</b>	36	8.05														
MAJOR ELECT. EQ. & PTS.	361-2	1.74	122.7	118.4	121.7	123.0	122.6	125.4	127.0	123.6	126.0	128.5	130.6	128.6	129.9	129.7
HOUSEHOLD APPLIANCES	363	.83	146.4	145.8	152.3	162.0	138.5	155.8	149.3	146.4	146.3	146.3	130.2	158.5	157.6	167.9
COOKING STOVES	3631	.08	128.2	119.3	128.9	139.8	113.3	161.4	128.8	132.4	144.6	154.2	119.3	156.5	162.6	143.3
REFRIGERATION APPL.	3632	.26	127.9	121.8	137.5	155.2	131.8	141.1	137.9	120.7	120.6	118.0	106.1	139.4	136.8	149.0
LAUNDRY APPLIANCES	3633	.13	137.3	150.1	159.0	164.8	97.8	143.3	133.6	129.1	135.7	129.9	115.7	165.7	154.4	159.8
MISC. APPLIANCES	3634-6,9	.36	167.7	167.7	165.6	171.0	164.6	169.9	168.4	175.1	169.7	171.2	155.9	169.9	173.0	190.5
TV AND RADIO SETS	365	.52	105.7	106.1	111.9	98.7	135.2	102.7	113.4	107.3	110.7	106.1	98.9	100.2	111.0	119.7
COMMUNICATION EQUIPMENT	366	2.30	114.2	112.7	113.0	114.2	114.7	115.5	116.0	116.8	117.8	118.3	117.4	116.6	120.2	122.0
ELECTRICAL COMPONENTS	367	1.43	202.1	200.6	202.7	202.4	202.0	206.8	203.1	204.9	207.8	208.4	205.6	204.7	211.8	215.7
TV TUBES	3671-3	.31	38.2	39.9	42.2	37.3	45.2	43.7	32.7	36.1	46.8	30.5	38.6	33.8	32.5	38.9
MISC. ELECTRICAL SUPP.	369	.49	175.1	173.2	173.3	173.4	175.2	178.6	176.2	176.2	177.5	185.6	171.1	182.6	186.3	191.5
STORAGE BATTERY, REPL.	3691	.09	213.3	212.8	212.8	204.4	191.1	212.2	200.5	228.9	209.2	230.6	193.7	224.0	227.1	235.3
<b>TRANSPORTATION EQUIPMENT</b>	37	9.27														
MOTOR VEHICLES AND PARTS	371	4.50														
AUTOS, TOTAL		1.90	148.4	150.6	148.5	156.8	161.4	150.9	151.6	154.3	147.5	143.6	127.4	131.5	149.7	159.1
LARGE AUTOS		1.79	109.6	117.6	112.9	117.7	120.7	109.0	105.7	111.2	106.1	98.1	86.0	88.1	103.2	109.6
SMALL AUTOS		.11	178.6	169.1	173.4	180.9	183.5	183.7	190.6	186.2	185.9	189.7	187.0	184.9	191.8	197.5
TRUCKS AND BUSES		.53	227.5	225.2	220.3	223.6	237.6	235.8	242.8	259.1	229.0	238.1	182.4	213.6	241.3	258.8
BUSINESS VEHICLES		.40	146.8	144.5	147.0	139.3	146.6	149.4	164.8	182.0	152.4	156.9	107.6	126.0	162.0	
UTILITY VEHICLES		.13	146.9	146.6	143.9	147.9	151.0	149.4	147.6	149.0	148.3	148.2	106.4	147.5	178.4	
TRUCK TRAILERS		.09	191.6	174.1	177.6	213.4	180.9	218.5	228.7	226.0	216.6	194.7	201.5	216.1	229.3	233.3
MOTOR VEHICLE PARTS		1.98	151.0	146.7	149.0	151.1	151.0	155.9	155.4	155.3	157.8	157.7	153.4	154.6	156.8	157.5
AIRCRAFT AND PARTS	372	3.73	69.6	70.1	70.6	72.1	71.9	71.0	72.7	65.2	66.0	68.2	73.1	71.5	75.6	77.0
SHIPS AND BOATS	373	.56	158.9	157.6	159.7	161.1	161.2	155.5	157.9	162.4	164.3	163.2	155.3	154.3	155.5	160.4
RAIL & MISC TRANS EQ	374,5,9	.49	115.5	102.5	110.9	109.7	120.7	127.7	122.2	124.6	124.6	127.2	124.1	116.3	126.0	117.7
RAILROAD EQUIPMENT	374	.26	90.2	76.2	82.3	79.9	99.2	107.6	98.0	92.9	103.2	103.4	93.2	90.6	109.1	
MOBILE HOMES	379	.18	121.6	110.4	120.4	120.0	115.3	124.3	127.1	139.9	125.2	129.9	135.9	125.3	121.8	
<b>INSTRUMENTS</b>	38	2.11														
EQUIPMENT INSTR. & PTS.	381-4	1.07	165.1	162.2	161.5	164.0	164.5	166.2	166.8	170.0	171.3	175.5	173.0	173.8	178.6	160.7
CONSUMER INSTR. PROD.	385-7	1.04	152.8	153.3	153.4	152.3	153.1	150.3	153.6	154.0	152.7	155.8	153.2	153.4	158.8	160.4
<b>MISC. MANUFACTURES</b>	39	1.51														
MISC. CONS. GOODS	391,3,4,6	.86	151.3	147.0	149.2	150.0	154.9	150.1	152.6	154.0	152.6	153.4	152.9	150.9	154.4	152.8
MISC. BUS. SUPPLIES	395,9	.65	146.1	144.2	146.7	146.1	144.7	143.5	148.1	147.4	150.5	151.2	153.5	153.7	153.4	154.1
<b>ELECTRIC UTILITIES</b>		3.88	175.5	170.4												
ELEC UTIL GENERATION		1.90	170.7	161.0	171.7	172.5	178.2	171.7	171.6	169.3	169.9	170.2	182.8	180.1	170.0	
FOSSIL FUEL GENERATION		1.54	163.2	154.5	163.9	166.7	173.1	165.0	162.0	157.3	157.6	157.8	169.0	167.5	157.6	
HYDRO & NUCLEAR GENERAT.		.36	203.1	188.7	204.7	197.1	200.6	200.7	213.1	220.3	222.5	224.3	242.1	234.3	223.2	
ELEC UTIL SALES		1.98	180.1	179.4	178.9	180.9	189.3	179.1	175.9	177.6	176.5	181.5	184.4	168.1		
RESIDENTIAL KWH		.83	189.9	188.1	186.1	1										

Table 7. (continued)  
**DETAILED OUTPUT SERIES**

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1977												1978					
		PRO- 1 1967	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1977	1978	1978	1978	1978
		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
<b>NONFERROUS METALS</b>	333-6,9	2.36	122.4	134.5	134.0	133.1	105.3	108.5	115.1	124.0	120.5	116.6	119.9	130.1	132.2	132.3			
PRIMARY NONF. METALS	333	.45	124.3	130.2	129.5	125.8	105.3	107.3	119.4	124.0	127.1	129.5	128.9	127.8	127.8	130.4			
COPPER	3331	.09	127.7	153.5	159.3	148.8	54.7	66.3	120.9	122.1	134.9	123.3	127.9	125.6	138.4	134.9			
ALUMINUM	3334	.27	138.8	136.2	137.8	137.4	137.4	135.5	136.5	139.0	141.5	142.2	144.0	146.1	142.3	144.2			
SECONDARY NONF. METALS	334	.09	148.5	151.3	148.5	150.0	123.4	147.4	158.1	159.7	153.0	142.6	146.0	160.5	159.4	155.0			
<b>NONFERROUS PRODUCTS</b>	335,6	1.45	130.1	149.1	146.8	145.5	110.5	112.7	117.9	131.2	123.5	119.2	123.8	139.0	142.9	142.6			
NONFERROUS MILL PROD	335	1.09	137.7	161.8	159.0	156.1	116.7	116.9	122.4	137.3	129.1	127.5	132.8	147.7	154.6	155.3			
COPPER MILL PROD		.48	111.7	147.2	136.6	141.8	78.6	71.2	74.1	109.7	100.2	101.8	106.0	113.6	130.0	124.0			
ALUMINUM MILL PROD		.61	158.2	173.2	176.7	167.4	146.7	152.9	160.4	156.9	151.7	147.6	153.8	174.6	173.9	179.9			
CONSTRUCTION		.13	182.5	190.3	199.0	189.8	175.0	187.1	182.7	185.4	181.9	166.0	171.1	203.9	201.6	220.0			
NONCONSTRUCTION		.48	151.6	168.7	170.5	161.2	139.0	143.6	154.4	151.6	143.5	142.8	149.2	166.6	166.3	169.0			
NONFERROUS FOUNDRIES	336	.35	106.2	109.7	108.9	112.3	91.3	99.3	103.7	112.3	105.9	93.1	95.8	111.9	106.5				
<b>FABRICATED METAL PRODUCTS</b>	34	5.93																	
METAL CANS	341	.38	141.9	136.2	138.3	146.8	151.3	152.6	150.3	149.0	140.2	133.1	135.9	141.8	143.3	143.1			
HOWE, PLUME, STRUCT, MET	342-4	2.67	135.3	131.4	131.7	133.3	129.3	136.2	140.4	141.7	142.7	140.7	140.5	147.2	147.6	146.4			
HARDWARE, TOOLS, CUTL	342	.76	125.8	125.2	124.5	123.5	120.9	123.4	132.0	132.0	129.9	126.1	127.2	133.5	133.7	133.2			
STRUCTURAL METAL PROD	344	1.62	138.8	133.1	134.3	136.7	131.8	141.9	142.6	145.3	147.8	147.3	146.7	152.9	154.1	152.7			
OTHER FAB. MET. PROD.	345-9	2.89	125.4	123.7	124.5	128.9	123.1	124.9	128.5	131.1	131.7	129.2	125.4	131.8	132.6	133.4			
FASTENERS, STAMP, ETC	345-8	2.03	119.4	117.4	118.3	122.5	115.3	118.9	122.6	126.1	126.4	123.7	119.2	125.0	125.5	127.5			
<b>NONELECTRICAL MACHINERY</b>	35	9.15																	
ENGINE AND FARM EQUIP.	351,2	1.20	162.4	161.5	158.4	161.3	152.2	153.9	168.6	172.0	165.5	168.4	157.4	168.8	170.4	166.6			
FARM TRACTORS		.19	106.7	120.4	125.7	125.1	76.5	71.1	93.8	120.2	95.0	85.3	70.0	105.0	110.4	103.1			
CONSTRUCTION & ALLIED EQ	353	1.36	150.3	146.8	146.2	152.5	146.2	146.1	160.3	159.1	160.5	157.5	154.3	164.5	164.1	164.6			
TRACKLAYING TRACTORS		.16	101.1	105.9	100.1	105.0	81.2	79.4	107.0	116.6	104.9	105.0	108.7	119.8	115.4	112.8			
METALWORKING MACHINERY	354	1.67	108.5	106.5	103.6	111.0	108.0	109.0	115.7	114.9	112.3	109.0	109.1	112.3	111.4	111.0			
SPEC. & GENL IND EQ	355,6	2.30	115.8	113.8	114.2	117.6	114.5	116.0	121.9	120.5	120.8	118.4	117.7	120.4	122.2	122.0			
OFFICE, SERV. & MISC.	357-9	2.63	182.6	177.9	179.8	188.9	188.2	189.4	194.0	190.5	187.7	178.4	176.8	189.2	166.9	191.2			
<b>ELECTRICAL MACHINERY</b>	36	8.05																	
MAJOR ELECT. EQ. & PTS.	361,2	1.74	122.7	119.0	122.4	126.7	124.4	124.0	129.5	129.3	124.4	122.5	126.7	126.2	129.1	130.5			
HOUSEHOLD APPLIANCES	363	.83	146.4	151.0	151.8	166.4	131.2	144.1	156.2	164.4	145.6	125.8	130.2	161.8	160.8	174.6			
COOKING STOVES	3631	.08	128.2	133.7	136.1	148.2	92.8	136.1	139.8	149.4	139.6	127.7	121.7	161.4	160.2	162.7			
REFRIGERATION APPL.	3632	.26	127.9	136.8	145.6	171.6	148.7	99.6	134.5	133.7	113.4	88.5	107.3	141.4	148.7	167.8			
LAUNDRY APPLIANCES	3633	.13	137.3	149.3	154.5	162.7	83.6	167.2	141.8	155.2	126.1	100.7	126.9	161.2	147.8	160.4			
MISC. APPLIANCES	3634-6,9	.36	167.7	166.0	159.0	168.3	145.2	169.9	181.5	193.8	177.8	162.1	150.3	177.0	174.7	188.2			
TV AND RADIO SETS	365	.52	105.7	101.3	111.9	100.2	97.9	101.3	123.4	123.9	121.1	99.2	95.2	106.1	113.6	114.6			
COMMUNICATION EQUIPMENT	366	2.30	114.2	110.4	112.1	114.4	111.4	114.5	116.8	117.5	120.0	122.1	117.6	116.4	120.0	119.6			
ELECTRONIC COMPONENTS	367	1.43	202.1	199.4	201.1	206.4	192.3	203.1	203.7	207.2	210.7	216.3	204.8	206.1	214.6	214.4			
TV TUBES	3671-3	.31	36.2	42.1	41.1	36.6	30.8	42.8	35.5	42.1	45.8	27.3	38.0	36.7	36.8	41.1			
MISC. ELECTRICAL SUPP.	369	.49	175.1	159.7	160.5	165.4	163.3	178.6	190.8	193.3	192.9	196.9	176.2	178.6	172.5	176.6			
STORAGE BATTERY, REPL.	3691	.09	213.3	153.0	151.7	161.7	158.4	224.3	263.0	294.1	260.9	267.7	219.3	215.9	177.6	169.2			
<b>TRANSPORTATION EQUIPMENT</b>	37	9.27																	
MOTOR VEHICLES AND PARTS	371	4.50																	
AUTOS, TOTAL	1.90	148.4	163.2	166.9	180.9	130.7	91.6	142.7	173.9	150.4	123.5	130.3	143.6	164.5	182.7				
LARGE AUTOS	1.79	109.6	128.2	127.7	135.9	90.5	56.7	98.9	125.7	108.8	87.3	91.2	100.4	115.1	126.0				
SMALL AUTOS	.11	78.6	739.9	811.8	921.0	790.9	665.1	663.2	965.1	634.2	718.8	773.1	854.4	976.7	1115.8				
TRUCKS AND BUSES	.53	227.5	234.2	230.0	245.7	208.7	206.8	241.6	272.1	223.3	187.3	194.1	242.7	257.5	281.0				
BUSINESS VEHICLES	.40	146.8	144.5	147.0	154.8	122.1	127.0	171.4	190.2	144.8	111.7	125.9	151.2	171.7					
UTILITY VEHICLES	.13	469.2	502.4	478.4	518.3	468.3	445.3	451.8	517.4	458.3	395.2	398.3	517.0	514.3					
TRUCK TRAILERS	.09	191.6	186.6	173.9	215.1	166.6	208.9	229.6	230.3	212.7	191.4	196.2	226.5	250.6	250.1				
MOTOR VEHICLE PARTS	1.98	151.0	147.1	150.6	154.1	146.7	147.5	155.9	157.2	159.1	166.1	152.5	151.7	154.6	158.0				
AIRCRAFT AND PARTS	372	3.73	69.6	69.5	70.1	71.2	70.2	69.2	72.8	65.8	67.6	70.6	73.2	71.9	75.8	76.4			
SHIPS AND BOATS	373	.56	158.9	161.1	160.7	161.1	158.9	151.1	155.2	162.7	164.6	165.5	152.7	155.2	158.8	164.1			
RAIL & MISC TRANS EQ	374,5,9	.49	115.5	116.3	117.9	122.0	105.1	122.0	129.2	132.5	122.4	114.0	105.5	113.2	131.5	132.9			
RAILROAD EQUIPMENT	374	.26	90.2	84.0	87.2	86.4	74.9	88.9	99.1	97.9	102.5	104.6	91.3	94.9	118.0				
MOBILE HOMES	379	.18	121.6	131.4	129.5	139.4	121.4	135.9	139.2	149.8	117.7	95.6	96.5	107.9	122.5				
<b>INSTRUMENTS</b>	38	2.11																	
EQUIPMENT INSTR. & PTS.	381-4	1.07	165.1	159.0	161.0	167.9	164.5	167.5	173.5	173.2	173.9	171.8	166.4	171.4	175.6	177.1			
CONSUMER INSTR. PROD.	385-7	1.04	152.8	150.5	152.0	154.3	151.3	151.5	156.3	156.6	156.7	156.9	150.3	151.1	156.4	157.5			
<b>MISC. MANUFACTURES</b>	39	1.51																	
MISC. CONS. GOODS	391,3,4,6	.86	151.3	146.1	147.4	152.8	147.9	156.9	167.6	162.9	156.3	145.6	139.1	148.6	150.4	151.9			
MISC. BUS. SUPPLIES	395,9	.65	146.1	142.0	143.0	147													

Table 9.

**GROSS VALUES IN BILLIONS OF 1972  
DOLLARS, ANNUAL RATES, BY QUARTER**

SUMMARY GROUPINGS	1976						1977					
	IV	I	II	III	IV	I	IV	I	II	III	IV	I
TOTAL INDEX	131.6	133.6	137.0	138.4	139.3	139.6	559.3	570.8	582.1	590.3	592.5	591.6
PRODUCTS, TOTAL	131.3	133.9	136.5	138.6	139.6	139.9	432.7	442.2	451.1	457.2	457.9	454.4
FINAL PRODUCTS	129.2	131.9	134.7	136.6	137.0	136.7	307.3	312.6	317.1	320.2	320.0	317.3
CONSUMER GOODS	138.5	141.1	143.3	145.0	145.3	143.9	88.7	90.9	94.7	97.0	95.9	92.3
DURABLE CONSUMER GOODS	144.4	148.0	153.2	156.1	155.9	151.8	46.4	48.1	50.5	51.6	49.9	46.9
AUTOMOTIVE PRODUCTS	162.7	168.1	175.5	179.7	175.1	165.4	42.4	42.8	44.1	45.4	46.0	45.5
HOME GOODS	134.0	136.7	140.6	142.9	145.3	144.1	218.6	221.7	222.4	223.3	223.9	225.0
NONDURABLE CONSUMER GOODS	136.2	138.4	139.3	140.5	141.0	140.7	32.0	31.8	32.6	32.3	32.9	31.2
CLOTHING	123.5	123.7	125.2	126.3	127.1	120.7	186.6	189.9	190.0	191.0	191.1	193.8
CONSUMER STAPLES	139.7	142.4	143.3	144.5	144.9	146.2	43.2	45.4	44.4	44.1	43.6	44.9
CONSUMER ENERGY (HOME GOODS AND CLOTHING)	129.2	130.7	133.5	135.2	136.9	133.4	74.4	74.6	76.7	77.7	78.6	76.7
EQUIPMENT	116.3	119.2	123.1	125.1	125.7	126.9	125.4	129.6	134.0	136.9	137.9	137.2
BUSINESS EQUIPMENT	139.4	143.5	148.7	151.5	153.4	154.7	92.8	96.7	100.5	103.0	104.6	103.7
INDUSTRIAL EQUIPMENT	131.0	133.0	138.2	140.8	142.5	145.3	42.9	43.3	44.9	45.8	46.4	47.4
COMMERCIAL, TRANSIT, FARM EQ.	149.1	155.7	160.9	163.7	166.0	165.7	49.9	53.4	55.0	57.3	58.5	56.3
DEFENSE AND SPACE EQUIPMENT	77.6	78.3	80.1	80.7	79.2	80.1	32.6	32.9	33.6	33.9	33.1	33.5
INTERMEDIATE PRODUCTS	139.4	141.9	143.5	146.3	148.9	151.6	126.5	128.6	131.1	133.1	134.6	137.2
CONSTRUCTION SUPPLIES	135.4	136.1	138.6	142.0	146.6	148.7	58.5	58.8	60.5	62.1	63.2	64.0
BUSINESS SUPPLIES	143.3	147.6	148.5	150.5	151.1	154.5	68.0	69.8	70.6	71.1	71.5	73.3
COMMERCIAL ENERGY PRODUCTS	158.1	164.5	164.9	165.3	163.2	165.8	17.2	18.0	18.1	18.2	17.8	18.3
MATERIALS	131.9	133.1	137.7	138.1	138.9	139.3						
DURABLE GOODS MATERIALS	128.4	129.2	135.1	136.0	137.7	138.0						
BASIC METAL MATERIALS	107.4	108.6	116.4	109.4	109.4	110.5						
NONDURABLE GOODS MATERIALS	146.9	149.5	154.6	154.4	155.0	157.9						
TEXTILE, PAPER AND CHEMICAL MAT	151.4	153.9	159.9	159.2	159.5	163.0						
TEXTILE MATERIALS	112.1	111.3	110.9	112.3	117.9	115.2						
PAPER MATERIALS	130.2	131.7	134.3	135.1	132.3	136.5						
CHEMICAL MATERIALS	177.3	181.6	191.8	189.5	188.9	194.8						
ENERGY MATERIALS	122.0	122.0	122.6	123.4	121.9	119.3						
MANUFACTURING	131.2	133.1	136.9	138.7	139.9	139.8						
DURABLE	123.3	124.7	129.3	131.5	132.6	132.3						
NONDURABLE	142.7	145.2	148.0	149.2	150.2	150.6						
MINING AND UTILITIES	133.9	136.9	137.2	136.3	135.1	138.0						
MINING	115.0	116.6	120.5	117.7	117.3	116.5						
UTILITIES	154.4	159.6	155.6	157.1	155.0	161.8						

Table 10.

**GROSS VALUES IN BILLIONS OF 1972 DOLLARS, ANNUAL RATES, BY MONTH**

MAJOR MARKET GROUPINGS	1972		1977					1978							
	DOLS.	AVG.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY
PRODUCTS, TOTAL	507.4	583.9	582.2	585.9	590.5	590.2	590.1	591.3	591.3	594.7	582.0	591.2	601.6	606.7	609.2
FINAL PRODUCTS	390.9	452.1	451.0	453.7	457.8	456.9	456.8	457.8	457.3	458.7	445.1	454.4	463.8	467.6	468.5
CONSUMER GOODS	277.5	317.5	316.3	318.9	321.5	320.0	319.1	319.5	320.0	320.4	311.2	318.6	322.0	324.8	324.7
DURABLE CONSUMER GOODS	82.0	94.6	94.0	96.4	98.7	96.2	96.0	97.1	95.5	95.2	88.5	91.5	96.9	99.4	98.1
AUTOMOTIVE PRODUCTS	41.1	50.0	49.6	51.7	53.4	50.7	50.6	51.5	49.4	48.8	44.1	45.9	50.5	53.0	50.9
HOME GOODS	40.9	44.6	44.3	44.6	45.3	45.4	45.5	45.5	46.1	46.4	44.4	45.6	46.4	46.4	47.2
NONDURABLE CONSUMER GDS	195.5	222.8	222.5	222.5	222.7	224.1	223.1	222.4	224.4	225.0	222.7	227.0	225.2	225.2	226.5
CLOTHING	28.5	32.4	33.1	32.6	31.6	32.5	32.9	33.3	32.3	33.0	30.8	31.6	31.4		
CONSUMER STAPLES	167.0	190.5	189.6	190.0	191.0	191.5	190.3	189.2	192.1	192.0	192.0	195.3	194.0	193.1	193.9
CONSUMER ENERGY PROD (HOME GOODS & CLOTHING)	39.2	44.4	44.3	44.1	45.1	43.7	43.6	43.5	44.0	43.3	44.2	45.1	45.5	45.0	
(HOME GOODS & CLOTHING)	69.4	77.0	77.4	77.3	76.9	77.9	78.3	78.9	78.4	79.3	75.1	77.2	77.8	78.6	79.7
EQUIPMENT	113.4	134.6	134.6	134.9	136.2	137.0	137.6	138.1	137.3	138.2	133.9	135.8	141.9	142.7	143.5
BUSINESS EQUIPMENT	80.6	101.3	101.1	101.2	102.5	103.1	103.6	105.1	104.1	105.3	100.5	102.9	107.8	108.1	109.0
INDUSTRIAL EQUIPMENT	34.4	45.1	45.2	45.5	45.8	45.6	46.0	46.0	46.4	46.7	46.8	47.2	48.2	48.3	48.9
COMM'L, TRANSIT, FARM EQ.	46.2	56.2	55.8	55.8	56.7	57.4	57.6	59.1	57.8	58.5	53.7	55.7	59.6	59.8	60.1
DEFENSE & SPACE EQUIP.	32.7	33.4	33.6	33.7	33.8	33.9	34.0	33.0	33.2	33.0	33.4	33.0	34.2	34.6	34.5
INTERMEDIATE PRODUCTS	116.6	131.9	131.4	131.8	132.8	133.1	133.5	133.8	134.1	135.9	136.7	137.0	138.0	139.1	140.3
CONSTRUCTION SUPPLIES	57.8	61.1	60.4	61.0	61.7	62.2	62.3	62.8	62.8	63.8	64.1	63.8	63.9	64.6	65.1
BUSINESS SUPPLIES	56.8	70.7	70.9	70.8	71.1	70.9	71.2	71.0	71.3	72.1	72.5	73.2	74.1	74.5	
COMMERCIAL ENERGY PROD	15.6	18.0	18.3	18.0	18.5	18.1	17.9	17.6	17.6	18.0	18.0	18.5	18.6	18.8	

## INDUSTRIAL ELECTRIC POWER USE

SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977				1978				PER CENT CH. FRM. PREV.				
				Q 1	Q 2	Q 3	Q 4	Q 1	NOV	DEC	1978 JAN	FEB	MAR	APR	MO. (P)	YR. (P)
TOTAL		560.4	135.6	132.9	137.1	137.0	135.6	131.9	135.3	135.9	136.2	129.9	129.6	138.4	6.8	1.5
<b>MAJOR MARKET GROUPINGS</b>																
PRODUCTS, TOTAL		136.1	145.1	142.3	144.8	146.6	146.7	147.6	146.4	148.1	147.8	147.1	147.9	148.8	.6	3.1
FINAL PRODUCTS		101.4	144.3	141.2	144.3	145.9	145.7	145.9	145.3	147.0	146.3	145.5	146.0	147.1	.8	2.3
CONSUMER GOODS		67.4	153.1	149.4	153.4	154.8	154.5	154.5	154.2	155.7	155.1	154.0	154.4	156.4	1.3	2.3
EQUIPMENT		34.0	122.0	120.5	121.5	122.8	123.2	124.2	122.6	124.6	124.1	123.9	124.6	124.1	-.4	2.2
INTERMEDIATE PRODUCTS		34.7	147.6	145.5	146.0	149.0	149.7	152.7	149.5	151.1	152.4	152.2	153.3	153.3	0.0	5.3
MATERIALS		424.3	132.5	129.9	134.5	133.8	131.9	126.8	131.7	131.9	132.4	124.3	123.8	134.6	8.9	1.0
DURABLE		237.7	125.8	124.5	127.1	126.3	125.6	128.2	124.8	127.4	128.0	126.0	128.7	131.4	2.1	4.0
NONDURABLE		133.0	133.1	130.6	133.8	134.5	133.6	133.6	133.5	134.2	133.7	133.4	133.6	135.0	1.0	1.2
ENERGY, EX. ERDA		23.8	159.3	157.6	162.0	156.6	161.6	142.5	168.0	154.0	144.9	140.2	142.4	163.3	14.7	.5
<b>MAJOR INDUSTRY DIVISIONS</b>																
MINING	10-14	34.7	150.1	160.3	159.9	140.8	139.3	149.6	138.3	145.2	148.6	148.4	152.3	162.0	6.4	1.3
MANUFACTURING		519.2	134.8	131.7	135.5	136.7	135.4	131.4	135.3	135.8	135.6	129.6	128.9	136.9	6.2	1.6
DURABLE	19,24-25,32-39	254.1	129.2	126.3	128.7	130.8	131.0	131.0	130.9	131.8	131.1	130.7	131.1	133.1	1.5	4.2
NONDURABLE	20-23,26-31	265.1	140.2	136.9	142.1	142.0	139.7	131.8	139.8	139.6	140.1	128.3	127.0	140.5	10.6	-.7
UTILITIES, OWN USE	491,2	6.5	140.0	132.6												
<b>INDUSTRY GROUPS AND SERIES</b>																
METAL MINING	101	9.9	130.3	155.7	161.0	108.5	95.0	154.4	85.7	122.0	147.1	153.1	162.9	163.3	.3	1.8
IRON ORE	1011	5.0	115.4	161.3	165.5	79.2	53.6	159.9	36.1	100.0	146.8	156.5	176.3	175.9	-.2	6.9
COPPER ORE	1021	3.0	156.1	157.6	165.4	150.9	150.0	153.3	151.5	154.1	154.3	153.7	152.0	154.3	1.5	-6.1
COAL	11,2	5.9	163.0	168.5	156.9	153.6	172.1	104.8	168.3	145.2	110.3	100.7	103.4	154.6	49.5	-2.1
OIL AND GAS EXTRACTION	131	11.9	169.4	169.4	169.5	169.2	169.6	171.7	168.5	172.7	172.0	172.1	171.0	172.9	1.1	2.1
CRUDE OIL AND NAT. GAS	1311	8.9	186.2	185.8	186.4	185.7	187.0	189.6	186.2	190.4	189.8	190.3	188.7	190.3	.8	2.5
NATURAL GAS LIQUIDS	1321	2.5	124.0	121.0	126.3	125.5	123.2	123.4	121.3	124.7	122.6	125.4	122.2	124.4	1.8	-.6
STONE AND EARTH MINERALS	141	6.9	146.5	144.1	144.8	148.9	148.2	151.0	148.1	148.0	151.2	151.6	150.2	149.2	-.7	2.3
CRUSHED STONE	1421	1.5	156.5	161.2	153.9	154.5	157.4	151.5	158.4	156.4	151.3	150.7	152.5	150.8	-1.1	-2.6
SAND AND GRAVEL	1441	1.1	131.6	135.1	129.3	129.7	133.0	139.5	131.2	136.4	143.4	135.4	139.7	136.3	-2.4	2.7
CHEMICAL MINERALS	1471	3.4	151.3	146.2	150.5	156.2	152.5	194.4	151.2	151.6	153.2	157.5	152.7	151.2	-.8	.6
ORDNANCE	191	4.1	97.4	95.1	94.5	99.3	100.7	104.2	99.5	105.3	105.2	105.0	102.4	103.6	1.2	10.7
FOODS	201	26.8	145.9	143.9	147.2	145.9	146.6	148.7	145.3	148.9	147.8	147.5	150.9	151.8	.6	2.0
MEAT PRODUCTS	2011	4.2	159.7	154.6	163.8	159.5	160.8	163.9	160.1	164.3	163.3	162.8	165.4	165.9	.3	3.4
DAIRY PRODUCTS	2021	4.1	131.6	130.3	133.1	131.8	131.8	132.4	130.0	134.0	133.0	130.8	133.3	132.7	-.5	-1.7
CANNED AND FROZEN FOODS	2031	3.2	179.1	173.1	180.7	182.0	180.3	177.8	178.9	183.9	178.1	176.5	178.7	179.3	.3	-2.7
GRAIN MILL PRODUCTS	2041	4.8	141.1	141.5	141.2	140.2	141.7	142.9	139.6	143.6	141.3	141.0	146.3	146.5	.1	3.3
BAKERY PRODUCTS	2051	1.8	129.3	125.3	128.8	131.3	131.1	131.8	129.1	133.5	131.3	132.2	131.9	133.2	1.0	3.7
SUGAR	2061	1.2	192.3	179.6	211.1	214.4	184.9	184.0	187.0	183.4	167.7	184.9	199.4	207.9	4.3	-2.5
CONFECTIONERY	2071	1.0	130.9	139.7	128.8	125.5	131.4	138.6	130.0	139.1	140.5	140.0	135.1	133.3	-1.3	-.4
BEVERAGES	2081	2.4	169.3	164.8	170.6	172.0	169.1	173.3	168.1	168.0	172.2	172.9	174.9	173.4	-.8	1.2
MISC. FOOD PRODUCTS	2091	4.1	124.0	124.0	124.0	123.2	125.1	128.3	123.4	128.3	126.4	127.5	131.0	129.7	-1.0	4.4
TOBACCO PRODUCTS	211	.9	130.0	127.0	130.3	130.3	132.5	131.8	130.9	135.3	132.1	131.8	131.6	131.6	-.1	1.9
TEXTILE MILL PRODUCTS	221	20.8	121.8	116.5	123.3	124.3	122.6	117.9	121.5	124.1	118.7	115.8	119.2	119.2	-.1	-1.0
FABRICS	221-4	11.7	104.5	99.4	106.1	106.5	105.7	97.7	104.3	106.4	98.4	95.1	99.5	98.1	-1.4	-3.9
KNIT GOODS	2251	1.7	173.9	171.6	177.3	174.9	171.6	164.5	169.7	175.3	166.0	163.8	163.8	164.0	.1	-7.0
FABRIC FINISHING	2261	1.5	131.4	127.7	131.3	133.7	133.1	139.8	131.4	133.4	135.4	141.4	142.7	144.1	1.0	9.3
YARN AND THREAD	2281	3.9	150.0	141.8	153.6	154.4	149.5	152.4	147.6	151.2	150.8	150.7	155.7	158.1	1.5	5.3
MISC. TEXTILES	2291	1.4	145.7	139.0	141.3	147.2	155.4	153.3	158.5	157.2	154.6	151.6	153.6	150.2	-2.3	8.2
APPAREL PRODUCTS	231	3.6	164.1	163.9	162.6	165.8	164.3	165.0	161.9	169.0	164.8	167.9	162.3	160.9	-.8	-.6
MEN'S OUTERWEAR	231,2	1.0	149.4	146.5	151.6	151.5	147.3	148.1	146.3	149.2	148.6	150.6	145.2	144.2	-.7	-5.8
WOMEN'S OUTERWEAR	2331	1.0	206.4	210.9	203.7	205.9	206.5	213.2	204.4	211.9	215.2	215.6	208.8	210.0	.5	.9
LUMBER AND PRODUCTS	241	6.0	172.0	169.8	168.3	172.3	177.6	183.7	176.6	180.3	176.4	185.5	187.1	186.4	-.3	11.7
LUMBER	2421	3.9	164.8	164.4	159.7	166.1	169.3	173.1	166.4	172.6	169.0	176.4	173.7	173.2	-.3	9.9
MILLWORK AND PLYWOOD	2431	2.2	173.4	172.9	169.3	170.9	180.6	179.4	180.1	183.2	179.2	177.9	181.3	182.4	.6	7.3
FURNITURE AND FIXTURES	251	2.5	150.1	146.1	147.3	152.6	154.5	156.4	153.5	156.0	155.9	157.7	155.6	153.0	-1.7	6.2
HOME FURNITURE	2511	1.7	173.8	168.4	169.5	178.2	179.2	180.9	178.2	180.9	178.2	165.1	179.6	175.8	-2.1	5.5
PAPER AND PRODUCTS	261	49.1	123.9	121.3	124.4	125.5	124.7	123.5	125.0	125.4	123.5	124.3	122.8	124.5	1.4	.8
WOOD PULP	2611	3.5	124.6	120.1	126.3	125.4	126.5	124.4	127.8	125.9	124.4	124.2	124.6	126.6	1.6	1.7
PAPER	2621	24.5	119.1	116.0	118.8	120.8	121.1	119.3	121.9	122.0	120.8	119.7	117.3	119.4	1.8	-.2
PAPERBOARD	2631	14.8	141.2	138.9	141.8	143.2	140.9	139.0	141.5	140.9	137.4	141.4	138.2	142.0	2.8	.3
CONVERTED PAPER	2641	2.5	133.8	128.5	133.0	138.2	135.1	135.9	135.5	136.4	135.0	135.9	136.9	136.5	-.2	4.9
PAPERBOARD CONTAINERS	2651	2.3	141.3	138.6	140.2	143.9	142.6	143.6	142.2	144.3	146.1	143.6	141.2	144.2	2.1	3.6
BUILDING PAPER AND BOARD	2661	1.4	150.9	147.8	151.1	152.3	152.4	154.4	151.7	152.7	153.0	153.3	156.9	156.1	-.5	6.5
PRINTING AND PUBLISHING	271	5.8	147.8	148.5	147.9	147.1	148.1	152.3	147.2	150.9	153.6	152.0	151.4	150.8	-.4	1.6
NEWSPAPERS	2711	1.7	137.4	139.9	137.0	135.7	138.1	140.0	136.6	142.7	141.2	141.1	137.9	138.5	.4	-.9
COMMERCIAL PRINTING	2751	2.4	194.8	156.8	154.7	154.5	153.7	160.6	153.8	155.2	161.8	160.3	159.7	159.9	.1	5.0

P--PRELIMINARY

INDUSTRIAL ELECTRIC POWER USE

NOT SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977					1978					PER CENT CH. FROM PREV. YR.		
				Q 1	Q 2	Q 3	Q 4	Q 1	NOV	DEC	JAN	FEB	MAR	APR	MO. (P)	YR. (P)
TOTAL		560.4	135.6	131.5	138.0	136.2	136.7	130.5	136.6	134.2	134.7	126.6	130.2	138.5	6.4	1.5
<b>MAJOR MARKET GROUPINGS</b>																
PRODUCTS, TOTAL		136.1	145.1	137.0	144.7	151.0	147.7	142.2	148.8	142.6	140.3	142.7	143.5	145.5	1.4	3.1
FINAL PRODUCTS		101.4	144.3	135.7	144.0	151.1	146.4	140.2	147.5	140.9	138.6	141.0	141.2	143.0	1.3	2.3
CONSUMER GOODS		67.4	153.1	143.1	152.8	160.7	155.6	148.0	156.7	149.7	146.9	148.5	148.6	151.3	1.8	2.3
EQUIPMENT		34.0	122.0	116.9	121.5	126.6	123.0	120.5	124.0	118.4	117.4	122.0	122.3	122.0	-2	2.2
INTERMEDIATE PRODUCTS		34.7	147.6	141.0	147.0	150.8	151.7	147.9	153.0	147.9	145.5	147.8	150.4	153.0	1.7	5.3
MATERIALS		424.3	132.5	129.7	135.8	131.3	133.1	126.6	132.6	131.4	132.8	121.2	125.8	136.2	8.2	1.0
DURABLE		237.7	125.8	124.2	129.4	124.3	125.4	127.9	124.1	126.0	127.9	124.5	131.4	133.1	1.3	4.0
NONDURABLE		133.0	133.1	127.5	134.8	135.3	134.6	130.8	134.9	132.2	130.9	128.4	133.2	134.9	1.3	1.2
ENERGY, EX. ERDA		23.8	159.3	166.8	159.0	149.3	161.4	150.8	166.4	160.8	159.0	149.3	144.2	161.8	12.2	.5
<b>MAJOR INDUSTRY DIVISIONS</b>																
MINING	10-14	34.7	150.1	160.9	162.1	137.2	140.2	150.3	139.3	146.3	151.1	147.4	152.4	163.6	7.3	1.3
MANUFACTURING		519.2	134.6	129.7	136.6	136.4	136.6	129.4	136.5	133.4	133.3	125.6	129.2	137.0	6.1	1.6
DURABLE	19,24-25,32-39	254.1	129.2	125.2	130.5	130.1	131.1	129.8	131.2	128.7	128.6	128.0	132.7	134.1	1.0	4.2
NONDURABLE	20-23,26-31	265.1	140.2	134.0	142.4	142.5	141.8	129.0	141.6	137.8	137.9	123.3	125.8	135.8	11.1	-7.7
UTILITIES, OWN USE	491,2	6.5	140.0	146.6												
<b>INDUSTRY GROUPS AND SERIES</b>																
METAL MINING	10	9.9	130.3	155.6	165.1	105.6	95.1	154.2	84.9	122.4	150.2	150.2	162.2	165.6	2.1	1.8
IRON ORE	101	5.0	115.4	160.1	169.5	78.2	53.8	156.6	35.9	100.6	148.4	152.9	174.6	179.3	2.7	6.9
COPPER ORE	102	3.0	156.1	160.0	171.4	142.5	150.4	155.7	148.4	155.9	160.8	152.4	153.9	156.1	1.5	-6.1
COAL	11,2	5.9	163.0	184.0	160.1	136.1	171.9	114.4	187.0	149.9	117.2	115.2	110.8	163.0	47.1	-2.1
OIL AND GAS EXTRACTION	13	11.9	169.4	169.5	168.7	165.4	170.2	171.6	170.2	173.0	177.5	167.8	169.5	170.5	.6	2.1
CRUDE OIL AND NAT. GAS	131	8.9	186.2	186.8	185.6	184.6	187.9	190.6	188.5	192.1	198.7	185.5	187.6	189.5	.9	2.5
NATURAL GAS LIQUIDS	132	2.5	124.0	117.6	126.2	129.8	123.3	120.0	122.0	122.7	121.9	119.0	118.9	120.8	1.6	-7.6
STONE AND EARTH MINERALS	14	6.9	146.5	136.3	147.7	149.7	152.2	142.8	153.1	148.3	143.2	139.9	145.4	149.4	2.7	2.3
CRUSHED STONE	142	1.5	156.5	134.7	161.0	163.7	166.6	126.6	175.5	152.7	125.7	124.3	129.7	149.8	15.5	-2.6
SAND AND GRAVEL	144	1.1	131.6	114.6	133.6	136.6	141.2	118.5	143.4	136.2	120.5	114.0	121.1	135.9	12.2	2.7
CHEMICAL MINERALS	147	3.4	151.3	145.5	151.5	153.3	154.7	153.7	153.0	152.8	154.4	150.7	155.4	152.6	-2.1	.6
ORDNANCE	19	4.1	97.4	91.3	94.2	103.8	100.3	100.0	99.7	100.7	100.0	101.0	99.0	98.7	-3	10.7
FOODS	20	26.8	145.9	135.6	142.9	154.9	150.2	140.2	150.4	146.2	142.0	138.5	140.0	141.4	1.0	2.0
MEAT PRODUCTS	201	4.2	159.7	141.0	160.7	175.5	161.7	149.5	162.2	156.9	150.6	148.8	149.1	156.5	5.0	3.4
DAIRY PRODUCTS	202	4.1	131.8	117.1	134.3	148.7	127.1	118.9	125.4	121.8	120.1	116.4	120.1	125.5	4.5	-1.7
CANNED AND FROZEN FOODS	203	3.2	179.1	162.3	173.0	195.4	185.4	168.7	183.4	167.7	165.0	168.2	166.9	168.2	.8	-2.7
GRAIN MILL PRODUCTS	204	4.6	141.1	141.2	135.9	141.4	145.9	142.6	146.5	145.1	142.2	140.6	144.9	139.1	-4.0	3.5
BAKERY PRODUCTS	205	1.8	129.3	116.5	126.5	143.5	130.6	122.5	129.1	126.8	123.5	121.6	122.5	125.2	2.2	3.7
SUGAR	206	1.2	192.3	204.1	157.1	157.2	250.7	210.0	264.8	274.2	258.2	190.8	160.9	162.4	-10.2	-2.5
CONFECTIONERY	207	1.0	130.9	124.9	128.8	133.8	136.0	123.8	136.9	133.3	120.2	124.5	126.7	126.5	-2	-2.4
BEVERAGES	208	2.4	169.3	148.8	170.7	191.9	165.8	156.5	163.9	156.4	158.1	150.8	160.5	165.1	2.8	1.2
MISC. FOOD PRODUCTS	209	4.1	124.0	118.2	121.1	127.8	126.9	122.4	129.8	128.7	123.0	122.9	121.3	122.6	1.0	4.0
TOBACCO PRODUCTS	21	.9	130.0	117.5	122.6	142.7	137.1	122.0	137.3	127.4	114.8	126.1	125.0	117.6	-5.9	1.9
TEXTILE MILL PRODUCTS	22	20.8	121.8	110.1	126.8	127.2	123.3	111.4	124.4	117.0	107.2	112.0	114.9	117.9	2.5	-1.0
FABRICS	221-4	11.7	104.5	94.7	109.2	108.3	105.9	93.0	106.7	99.6	90.4	92.4	96.1	97.5	1.5	-3.9
KNIT GOODS	225	1.7	173.9	154.4	181.6	189.7	170.0	147.9	171.5	159.0	141.6	150.2	151.8	157.1	3.5	-7.0
FABRIC FINISHING	226	1.5	131.4	126.6	135.1	129.4	134.3	138.7	135.6	130.9	129.0	141.9	145.1	145.9	.6	9.3
YARN AND THREAD	228	3.9	150.0	132.2	157.9	159.4	150.5	142.0	152.6	144.4	133.1	144.6	148.2	156.0	5.3	5.3
MISC. TEXTILES	229	1.4	145.7	135.5	144.6	147.0	155.6	149.5	156.3	151.7	147.5	151.1	149.8	152.9	2.1	8.2
APPAREL PRODUCTS	23	3.6	164.1	144.1	160.6	191.9	159.9	145.0	157.9	147.4	140.0	149.9	145.2	147.7	1.7	-8
MEN'S OUTERWEAR	231,2	1.0	149.4	126.9	149.3	176.2	145.1	128.3	144.2	130.4	122.7	134.8	127.3	130.0	2.1	-5.8
WOMEN'S OUTERWEAR	233	1.0	206.4	182.3	201.3	244.9	197.1	184.3	194.0	179.3	179.7	188.5	184.6	187.1	1.3	.9
LUMBER AND PRODUCTS	24	8.0	172.0	172.5	170.6	166.6	178.3	186.6	180.7	177.0	176.5	190.3	193.1	193.5	.2	11.7
LUMBER	242	3.9	164.8	166.6	161.8	160.1	170.5	175.7	171.1	169.1	168.4	178.9	179.8	182.5	1.5	9.9
MILLWORK AND PLYWOOD	243	2.2	173.4	177.1	173.6	163.9	178.8	183.9	184.8	178.1	179.3	183.1	189.3	190.2	.5	7.3
FURNITURE AND FIXTURES	25	2.5	150.1	146.5	147.5	150.7	155.5	156.9	157.3	152.7	150.9	162.0	157.8	154.3	-2.2	6.2
HOME FURNITURE	251	1.7	173.8	171.2	169.9	173.7	180.2	184.0	180.3	178.7	175.3	192.7	183.9	178.8	-2.7	5.5
PAPER AND PRODUCTS	26	49.1	123.9	120.6	125.9	124.6	124.6	122.8	125.4	120.1	123.0	120.8	124.8	125.5	.6	.8
WOOD PULP	261	3.5	124.6	119.3	126.9	125.1	127.1	123.5	126.9	121.8	124.3	120.7	125.5	129.2	2.9	1.7
PAPER	262	24.5	119.1	115.9	120.6	119.5	120.4	119.2	121.3	115.3	121.3	115.6	120.7	120.3	-3	-2.2
PAPERBOARD	263	14.8	141.2	140.4	144.7	140.3	139.3	146.5	141.1	133.8	138.9	140.2	142.4	142.3	-1	.3
CONVERTED PAPER	264	2.5	133.8	123.7	134.1	139.8	137.4	130.8	137.0	133.8	128.0	131.9	132.5	136.2	2.8	4.9
PAPERBOARD CONTAINERS	265	2.3	141.3	136.2	141.6	145.4	141.9	141.1	142.9	137.6	137.6	140.2	145.6	143.4	-1.5	3.6
BUILDING PAPER AND BOARD	266	1.4	150.9	143.2	151.6	155.1	153.3	149.6	158.4	145.4	150.4	146.1	152.4	158.0	3.7	6.5
PRINTING AND PUBLISHING	27	5.8	147.8	132.6	145.1	167.2	146.3	136.0	144.7	138.9	135.8	135.6	136.7	139.6	2.1	1.6
NEWSPAPERS	271	1.7	137.4	123.7	134.9	155.9	135.3	123.6	133.7	130.7	126.8	122.9	121.7	128.2	5.3	-9.9
COMMERCIAL PRINTING	275	2.4	154.8	139.2	151.1	175.1	153.9	142.5	153.0	144.2	140.9	142.5	144.2	147.5	2.3	5.0

P--PRELIMINARY

INDUSTRIAL ELECTRIC POWER USE

SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977				1978				1977				1978				PER CENT CH.	
				Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	NOV	DEC	JAN	FEB	MAR	APR	FROM PREVI. MO. (P)	YR. (P)		
<b>CHEMICALS AND PRODUCTS</b>	28	116.8	140.4	136.8	144.0	143.0	138.2	122.8	138.5	136.0	138.5	116.2	113.7	138.5	21.8	-3.0					
BASIC CHEMICALS	281	96.4	131.7	127.6	136.4	134.5	128.7	109.2	129.2	125.4	128.7	101.3	97.5	128.6	31.9	-4.4					
ALKALIES AND CHLORINE	2812	12.3	144.4	142.4	144.6	145.1	145.7	147.9	146.5	145.1	146.8	147.8	149.1	147.9	-9	1.6					
BASIC ORGANIC CHEM. NEC	2818	24.8	136.8	137.8	138.4	136.9	134.4	139.5	134.5	135.3	135.0	141.5	142.0	145.6	2.5	4.6					
INORGANIC CHEM. NEC	2819	48.6	135.0	127.4	143.9	141.1	129.0	91.0	128.9	123.1	128.6	74.9	69.3	125.3	80.7	-9.7					
ACID AND FERT. MAT'LS.		18.8	109.1	106.4	110.2	110.1	109.9	106.1	109.8	110.0	106.8	106.7	104.7	105.7	.9	-2.9					
ERDA		29.8	151.5	138.9	166.3	164.9	140.4	81.1	142.6	130.6	139.9	55.8	47.4	136.3	167.3	-12.8					
SYNTHETIC MATERIALS	282	12.1	186.9	183.9	187.2	187.4	189.3	187.1	188.9	192.2	188.8	184.3	188.2	190.7	1.3	.2					
PLASTICS MATERIALS	2821	4.4	177.0	172.5	177.6	180.3	177.6	177.6	179.4	176.4	177.6	175.6	179.6								
OTHER SYNTHETICS	2822-4	7.7	192.2	190.6	193.2	190.9	194.8	192.7	193.5	198.8	195.6	189.5	193.1								
DRUGS	283	2.0	185.0	181.9	186.9	185.4	185.6	185.1	186.4	186.5	186.5	184.4	184.3	184.4	0.0	-4					
SOAP AND TOILETRIES	284	1.0	140.8	137.9	137.6	144.1	143.6	144.1	143.3	143.8	147.4	143.8	141.0	141.2	.1	3.7					
FARM CHEMICALS	287	2.7	150.4	144.9	149.1	154.1	153.9	153.6	154.4	152.1	154.4	153.9	152.6	149.8	-1.8	2.0					
<b>PETROLEUM PRODUCTS</b>	29	22.3	168.2	165.1	166.1	168.5	170.9	173.3	171.7	173.3	174.2	172.8	172.8	175.7	1.7	4.5					
<b>RUBBER AND PLASTICS PROD.</b>	30	10.8	171.7	165.7	172.4	174.0	174.8	175.7	175.5	176.2	177.8	175.1	174.0	178.5	2.6	4.0					
TIRES	301	3.2	147.8	144.0	151.0	149.5	146.8	139.7	148.5	145.2	140.9	136.2	140.0	142.2	1.6	-4.2					
RUBBER PRODUCTS NEC	306	2.3	127.9	126.2	130.2	128.7	126.6	127.1	127.1	125.3	127.9	128.3	125.1	127.2	1.6	-1.1					
PLASTICS PRODUCTS NEC	307	4.8	206.1	195.7	204.0	210.0	214.6	221.5	214.4	220.3	224.6	220.3	219.5	224.9	2.4	10.8					
<b>LEATHER AND PRODUCTS</b>	31	1.3	117.9	115.7	117.5	118.6	120.0	123.9	117.5	123.7	124.9	122.6	124.3	124.9	.5	6.3					
SHOES	314	.6	102.9	104.6	102.6	100.6	103.7	106.2	101.9	107.4	107.5	105.4	105.7	107.3	1.5	3.0					
<b>CLAY, GLASS, STONE PRODUCTS</b>	32	20.8	142.5	136.5	141.1	144.9	147.0	148.7	147.2	148.2	149.3	148.2	148.7	148.6	-1	6.3					
FLAT GLASS	321	1.2	126.0	127.7	126.7	125.2	124.7	126.1	124.4	128.3	124.7	127.0	126.4	125.9	-4	-2					
PRESSED AND BLOWN GLASS	322	3.5	194.1	189.6	191.6	196.0	199.3	201.7	200.1	202.9	202.7	202.4	200.2	202.6	1.2	6.1					
CEMENT	324	8.4	112.4	101.2	111.2	116.6	119.1	116.3	119.7	118.5	117.9	115.3	115.6	117.1	1.3	7.6					
STRUCTURAL CLAY PRODUCTS	325	1.3	109.9	107.1	110.4	110.5	111.6	113.8	109.5	114.0	115.1	113.8	112.6	111.8	-7	3.6					
CONCRETE PRODUCTS	327	2.3	181.1	173.4	182.5	184.5	183.6	191.1	183.5	184.0	189.1	189.9	194.4	194.5	0.0	6.8					
<b>PRIMARY METALS</b>	33	132.0	121.2	118.7	120.9	122.7	122.5	121.5	122.0	123.2	121.7	121.3	121.6	124.9	2.7	4.2					
BASIC STEEL & MILL PROD.	331	54.4	115.1	111.2	117.7	117.3	114.5	109.1	114.1	113.5	111.8	107.4	108.2	116.7	7.9	.1					
IRON & STEEL FOUNDRIES	332	5.9	192.3	182.7	186.9	200.5	199.4	201.1	201.1	200.8	203.9	196.8	202.6	203.1	.2	8.3					
PRIMARY NONFERRUGUS METALS	333	59.5	116.4	115.6	114.4	116.8	119.2	120.7	118.8	121.0	119.4	121.2	121.4	121.0	-3	7.0					
ALUMINUM	3334	53.6	113.6	114.0	111.5	113.5	115.6	118.1	115.0	116.8	114.9	118.3	121.4	118.9	-1.9	7.7					
NONFERRUGUS MILL PRODUCTS	335	8.4	111.3	111.9	110.5	112.0	110.9	112.1	109.3	114.7	111.2	111.6	113.5	113.4	-1	1.4					
NONFERRUGUS FOUNDRIES	336	1.4	149.6	140.1	148.3	153.4	157.1	151.3	158.0	156.9	148.0	154.9	151.2	155.8	3.0	7.7					
<b>FABRICATED METAL PRODUCTS</b>	34	14.8	149.2	144.8	146.5	152.6	153.0	154.9	153.5	154.1	154.6	155.3	154.8	155.9	.7	6.7					
METAL CANS	341	1.0	207.4	200.3	205.0	210.5	213.7	211.2	214.7	211.7	206.9	211.3	215.5	215.1	-2	6.4					
HARDWARE	342	1.6	147.5	144.3	145.7	151.7	148.4	151.9	148.6	148.7	151.6	152.7	151.4	153.9	1.7	4.8					
STRUCTURAL METAL PROD.	344	3.5	123.6	120.5	118.9	126.2	128.9	134.5	128.9	131.8	134.5	134.7	134.2	135.2	.7	13.3					
FASTENERS	345	1.2	133.4	129.4	132.9	136.2	135.2	136.3	135.5	136.2	136.1	135.1	137.8	138.3	.4	4.9					
METAL STAMPINGS	346	3.1	153.1	146.3	152.9	155.9	157.6	153.2	158.0	158.6	158.1	152.2	149.4	154.7	3.5	2.9					
<b>NONELECTRICAL MACHINERY</b>	35	17.3	145.7	143.5	145.4	145.9	148.2	149.7	147.4	150.6	149.6	149.5	149.9	150.2	.2	2.9					
ENGINES AND TURBINES	351	1.4	146.7	147.3	144.6	146.2	149.0	153.4	149.4	153.0	151.3	156.2	152.7	152.8	.1	3.0					
FARM EQUIPMENT	352	1.2	126.7	126.8	125.2	126.8	128.3	130.3	129.4	129.8	129.6	129.6	131.6	128.2	-2.6	2.0					
CONSTRUCTION EQUIPMENT	353	3.0	155.4	150.8	154.5	157.1	159.2	160.9	157.7	162.1	161.5	159.0	162.3	161.3	-6	6.1					
METALWORKING MACHINERY	354	2.8	118.7	113.6	118.0	122.4	121.1	117.5	120.8	121.9	119.7	116.7	116.2	117.9	1.5	.5					
SPECIAL INDUSTRY MACH.	355	1.5	142.6	141.3	142.5	143.6	142.9	146.9	142.6	144.9	146.6	145.7	148.6	147.4	-8	2.9					
GENERAL INDUSTRIAL MACH.	356	2.7	140.4	135.6	140.3	141.7	144.0	144.2	142.6	146.9	146.9	141.2	144.4	141.6	-1.9	.8					
OFFICE AND COMPUTING MACH.	357	1.4	187.0	189.9	189.9	183.4	185.7	191.8	185.4	191.0	191.2	192.2	192.2	195.1	1.5	1.4					
SERVICE INDUSTRY MACH.	358	1.2	157.9	156.2	158.2	157.1	160.3	159.4	161.3	161.1	156.3	161.7	158.2	159.9	1.1	-4					
<b>ELECTRICAL MACHINERY</b>	36	19.2	129.8	128.0	129.3	131.4	130.3	130.4	130.0	131.5	131.0	130.0	130.2	130.8	.5	1.6					
ELECT. DISTRIBUTION EQ.	361	1.8	116.2	116.1	115.5	116.0	117.5	121.1	117.0	120.7	122.4	119.9	120.9	117.9	-2.5	5.3					
ELECT. INDUST. APPARATUS	362	3.5	112.7	111.2	112.3	114.5	113.0	113.5	114.4	114.0	115.0	112.8	114.2	114.2	1.2	1.9					
HOME APPLIANCES	363	2.2	113.4	107.2	115.1	116.9	114.2	110.0	113.9	114.9	109.6	110.9	109.8	113.3	3.5	.9					
LIGHTING & WIRING PROD.	364	1.5	148.3	144.8	145.0	151.7	152.3	152.6	151.1	155.3	155.3	152.5	150.0	154.2	2.8	5.3					
RADIO AND TV SETS	365	.8	108.2	105.7	107.1	110.0	109.7	112.3	110.8	110.3	111.2	113.2	112.4	112.3	-1	9.4					
COMMUNICATION EQUIP.	366	3.9	142.6	140.2	142.0	145.9	142.1	140.7	143.1	141.7	140.6	140.8	140.8	141.1	.2	-7					
ELECTRONIC COMPONENTS	367	4.2	138.6	137.4	137.8	139.1	140.2	140.6	141.2	141.0	140.9	139.4	141.4	141.8	.3	1.5					
<b>TRANSPORTATION EQUIPMENT</b>	37	23.6	130.8	127.1	130.5	133.1	132.2	130.7	131.9	133.2	130.7	130.5	131.0	130.2	-6	.9					
MOTOR VEHICLES AND PARTS	371	12.8	149.1	143.5	148.7	152.3	151.6	148.3	151.4	151.1	148.0	148.7	148.2	147.7	-3	.9					
AIRCRAFT AND PARTS	372	8.4	86.0	86.6	86.4	86.3	85.1	86.5	84.0	86.3	86.1	86.4	87.1	86.4	-6	-3					
SHIPS AND BOATS	373	1.3	131.7	132.4	131.0	133.2	130.2	129.9	129.4	131.4	129.1	129.0	131.6	130.0	-1.2	-1.5					
<b>INSTRUMENTS</b>	38	3.1	150.4	149.9	148.6	150.8	152.4	154.7	152.5	153.1	153.7	155.7	154.7	158.3	2.3	4.7					
PHOTOGRAPHIC EQUIPMENT	386	1.4	148.4	152.0	146.0	148.2	147.8	147.7	148.8	146.5	146.5	149.3	147.3	153.3	4.1	2.8					
<b>MISC. MANUFACTURES</b>	39	2.5	149.1	148.6	147.2	149.6	150.9	154.9	150.8	152.3	155.1	154.9	154.6	153.6	-6	5.6					
<b>SUPPLEMENTARY GROUPINGS</b>																					
TOTAL, EXCLUDING ERDA		530.6	134.5	132.4	135.2	135.5	135.2	135.6	135.0	136.0	135.6	135.3	135.8	136							



INDUSTRIAL ELECTRIC POWER USE

NOT SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977				1978 Q 1	1977					PER CENT CH. FROM PREV. MO. (P)	PER CENT CH. FROM PREV. YR. (P)	
				Q 1	Q 2	Q 3	Q 4		NOV	DEC	JAN	FEB	MAR			APR
<b>CHEMICALS AND PRODUCTS</b>																
BASIC CHEMICALS	281	116.8	140.4	135.8	144.2	140.3	141.5	122.0	140.5	137.7	139.5	111.6	114.6	140.2	22.1	-3.0
ALKALIES AND CHLORINE	2812	96.4	131.7	127.9	135.8	130.0	133.2	109.5	132.0	129.4	131.5	97.2	99.7	130.8	31.1	-4.4
BASIC ORGANIC CHEM.NEC	2818	12.3	144.4	138.5	144.2	146.0	149.0	143.8	150.3	150.1	143.7	138.6	149.1	149.0	-1	1.6
ERDA	2819	24.8	136.8	132.8	136.6	140.4	137.3	134.4	136.9	136.7	133.5	132.2	137.6	143.4	4.2	4.6
INORGANIC CHEM. NEC	2819	48.6	135.0	131.5	142.5	129.4	136.6	94.2	134.5	129.3	135.9	73.0	73.7	130.1	76.4	-9.7
ACID AND FERT. MAT'LS.	2819	18.8	109.1	105.8	111.6	108.7	110.5	105.5	109.6	111.0	108.3	100.0	108.1	107.2	-8	-2.2
ERDA	2819	29.8	151.5	147.9	162.2	142.6	153.2	87.0	150.3	141.0	153.5	55.8	51.8	144.6	178.9	-12.8
<b>SYNTHETIC MATERIALS</b>																
PLASTICS MATERIALS	2821	12.1	186.9	179.1	190.3	193.6	184.4	182.2	183.4	182.2	184.4	178.1	184.0	190.1	3.3	.2
OTHER SYNTHETICS	2822-4	4.4	177.0	167.2	179.0	185.0	176.8	172.1	176.5	173.8	175.8	167.2	173.3			
DRUGS	283	7.7	192.2	185.5	196.5	198.3	188.5	187.6	187.1	186.8	189.1	184.0	189.9			
SOAP AND TOILETRIES	284	2.0	185.0	166.7	187.8	201.7	183.7	169.6	185.5	170.1	167.4	176.2	171.2	176.4	3.0	-4
FARM CHEMICALS	287	1.4	140.8	133.8	138.5	146.5	144.2	139.8	145.0	139.0	137.8	139.7	142.0	140.8	-8	3.7
		2.7	150.4	143.7	155.0	150.2	152.7	152.4	151.7	151.5	149.4	149.1	158.6	158.8	.1	2.0
<b>PETROLEUM PRODUCTS</b>																
	29	22.3	168.2	159.6	166.2	174.6	172.0	167.7	172.2	172.0	172.5	166.1	164.7	169.9	3.2	4.5
<b>RUBBER AND PLASTICS PROD.</b>																
TIRES	301	10.8	171.7	163.8	173.5	172.7	176.7	173.6	179.0	170.2	166.8	177.0	177.0	177.8	.5	4.0
RUBBER PRODUCTS NEC	3061	3.2	147.8	143.3	151.9	147.5	146.9	139.0	145.7	139.4	135.4	138.6	143.0	141.7	-1.0	-4.2
PLASTICS PRODUCTS NEC	3071	2.3	127.9	125.2	129.5	129.5	126.0	126.0	132.0	123.5	121.2	131.3	125.5	126.1	.5	-1.1
		4.6	206.1	192.7	206.3	207.9	217.4	218.0	222.1	212.8	207.5	223.0	223.4	226.7	1.4	10.6
<b>LEATHER AND PRODUCTS</b>																
SHOES	31	1.3	117.9	113.1	118.1	120.1	120.5	121.2	119.4	120.3	118.7	122.1	122.6	123.1	.3	6.3
	314	.6	102.9	102.1	102.6	103.6	103.2	103.4	102.2	103.9	101.5	104.0	104.9	104.8	-1	3.0
<b>CLAY, GLASS, STONE PRODUCTS</b>																
FLAT GLASS	321	20.8	142.5	128.3	143.6	148.7	149.2	139.9	150.4	145.3	139.6	137.3	142.8	148.7	4.2	6.3
PRESSED AND BLOWN GLASS	322	1.2	126.0	124.7	126.7	127.7	125.0	123.1	124.0	122.8	124.7	121.3	123.3	125.0	1.4	-2
CEMENT	324	3.5	194.1	184.1	193.4	198.3	200.1	195.9	220.1	194.6	190.9	196.3	200.4	202.6	1.1	6.1
STRUCTURAL CLAY PRODUCTS	325	8.4	112.4	89.6	115.0	122.9	122.2	102.9	122.9	117.3	106.6	96.1	106.2	117.2	10.4	7.6
CONCRETE PRODUCTS	327	1.3	109.9	106.8	110.8	108.8	113.2	113.5	113.4	114.5	115.7	113.4	111.2	113.7	2.3	3.6
		2.3	181.1	165.5	184.6	187.3	186.9	182.5	191.2	179.6	180.0	160.6	186.6	194.9	4.4	6.8
<b>PRIMARY METALS</b>																
BASIC STEEL & MILL PROD.	331	132.0	121.2	119.7	123.4	119.7	121.9	122.6	120.7	122.0	123.3	118.5	126.0	127.4	1.1	4.2
IRON & STEEL FOUNDRIES	332	54.4	115.1	113.7	121.0	113.0	112.9	111.6	111.6	112.2	114.8	106.3	113.6	120.6	6.3	.1
		5.9	192.3	183.9	193.6	189.0	202.6	202.3	206.0	196.2	193.5	205.9	207.5	210.6	1.5	8.3
PRIMARY NONFERROUS METALS	333	59.5	116.4	115.2	115.5	115.9	119.1	120.3	117.4	121.0	120.7	115.7	124.7	121.4	-2.6	7.0
ALUMINUM	3334	53.6	113.6	112.6	112.1	114.2	115.5	116.6	113.3	117.1	116.5	111.6	121.6	118.1	-2.9	7.7
NONFERROUS MILL PRODUCTS	335	8.4	111.3	113.3	113.4	109.0	109.5	113.5	108.9	109.1	111.0	110.4	119.1	115.2	-3.3	1.4
NONFERROUS FOUNDRIES	336	1.4	149.6	143.4	149.6	148.1	157.3	155.0	161.0	149.9	148.1	160.9	156.0	155.5	2.2	7.7
<b>FABRICATED METAL PRODUCTS</b>																
METAL CANS	341	14.8	149.2	144.6	147.5	151.2	153.4	154.7	155.1	149.5	149.1	157.9	157.1	156.2	-6	6.7
HARDWARE	342	1.0	207.4	195.5	205.0	223.0	206.1	206.3	205.3	195.2	199.5	208.5	210.7	210.8	0.0	6.4
STRUCTURAL METAL PROD.	344	1.6	147.5	145.2	146.1	147.8	150.9	152.8	151.9	146.2	148.0	155.4	154.9	154.2	-4	4.8
FASTENERS	345	3.5	123.6	121.1	119.0	123.8	130.4	135.2	131.6	129.9	131.2	138.0	136.6	135.1	-1.1	13.3
METAL STAMPINGS	346	1.2	133.4	131.2	134.4	133.0	134.9	138.2	136.5	131.6	130.1	142.5	142.0	140.5	-1.1	4.9
		3.1	153.1	145.8	155.0	153.6	158.0	152.6	161.0	150.1	148.3	155.7	153.8	156.9	2.0	2.9
<b>NON-ELECTRICAL MACHINERY</b>																
ENGINES AND TURBINES	351	17.3	145.7	140.3	145.6	149.2	147.7	146.4	149.3	142.8	141.8	148.9	148.4	147.9	-3	2.9
FARM EQUIPMENT	352	1.4	146.7	145.1	146.1	146.3	149.5	151.1	153.9	143.0	144.1	154.7	154.3	151.7	-1.7	3.0
CONSTRUCTION EQUIPMENT	353	1.2	126.7	125.2	130.1	123.5	128.1	128.7	129.9	123.1	120.0	132.2	134.0	130.8	-2.4	2.0
METALWORKING MACHINERY	354	3.0	155.4	149.7	154.4	157.5	160.0	159.8	162.7	157.3	152.9	163.9	162.5	162.7	.2	6.1
SPECIAL INDUSTRY MACH.	355	2.8	118.7	114.6	117.8	121.6	120.9	118.5	121.2	117.2	116.9	120.0	118.6	117.9	-6	.5
GENERAL INDUSTRIAL MACH.	356	1.5	142.6	139.4	143.2	144.9	142.7	145.0	144.6	138.9	140.8	147.1	147.0	145.6	-9	2.9
OFFICE AND COMPUTING MACH.	357	2.7	140.4	133.4	140.8	143.1	144.2	141.8	145.4	140.1	139.4	142.2	143.7	140.5	-2.2	.8
SERVICE INDUSTRY MACH.	358	1.4	187.0	177.7	187.4	197.8	185.1	179.6	187.1	177.6	176.7	182.4	179.7	185.8	3.4	1.4
		1.2	157.9	149.2	160.7	165.1	156.5	152.3	158.9	147.1	145.3	158.1	153.3	155.8	1.6	-4
<b>ELECTRICAL MACHINERY</b>																
ELECT. DISTRIBUTION EQ.	361	19.2	129.8	123.3	130.2	135.5	130.1	125.6	131.0	123.9	123.9	126.0	127.0	127.8	.6	1.6
ELECT. INDUST. APPARATUS	362	1.8	116.2	112.5	116.7	119.4	116.4	117.3	115.9	111.4	116.5	116.6	118.9	118.8	0.0	5.3
HOME APPLIANCES	363	3.5	112.7	109.7	113.9	115.0	112.4	111.9	111.0	110.7	112.5	110.5	112.6	113.9	1.1	1.9
		2.2	113.4	105.8	116.4	118.6	112.7	108.6	114.1	106.0	105.2	110.2	110.3	111.0	.6	.9
LIGHTING & WIRING PROD.	364	1.5	148.3	143.4	148.7	148.1	153.1	151.1	154.5	147.7	145.3	153.9	154.1	155.9	1.2	5.3
RADIO AND TV SETS	365	.8	108.2	97.8	106.4	119.8	108.8	103.9	111.1	102.1	103.0	104.6	104.2	105.9	1.7	9.4
COMMUNICATION EQUIP.	366	3.9	142.6	131.2	141.4	153.6	144.1	131.7	146.4	132.9	129.1	132.1	133.9	134.3	.3	-7
ELECTRONIC COMPONENTS	367	4.2	138.6	129.6	137.9	147.9	139.1	132.5	140.9	131.7	131.8	131.9	133.9	135.3	1.0	1.5
<b>TRANSPORTATION EQUIPMENT</b>																
MOTOR VEHICLES AND PARTS	371	23.6	130.8	123.8	131.9	133.6	133.7	127.3	136.9	125.1	122.3	130.3	129.5	129.9	.4	.9
AIRCRAFT AND PARTS	372	12.8	149.1	140.0	151.5	150.6	154.2	144.7	159.3	142.5	138.2	149.0	146.8	148.2	.9	.9
SHIPS AND BOATS	373	8.4	86.0	82.8	86.3	90.5	84.5	82.8	85.1	80.5	80.1	83.3	85.0	84.9	-1	-3
		1.3	131.7	134.6	129.4	132.8	129.9	132.1	131.9	126.6	127.2	134.3	134.7	129.1	-4.1	-1.5
<b>INSTRUMENTS</b>																
PHOTOGRAPHIC EQUIPMENT	381	3.1	150.4	140.5	148.0	161.3	151.5	145.0	152.4	143.6	142.4	145.2	147.4	149.4	1.4	4.7
	386	1.4	148.4	143.3	146.7	156.1	147.4	139.3	147.2	140.1	138.8	137.2	141.8	145.4	2.5	2.8
<b>MISC. MANUFACTURES</b>																
	39	2.5	149.1	143.1	146.4	155.3	151.4	149.1	152.4	144.7	144.3	152.2	150.9	151.9	.7	5.6
<b>SUPPLEMENTARY GROUPINGS</b>																
TOTAL, EXCLUDING ERDA		530.6	134.5	130.4	136.3	135.8										

## Explanatory Note

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

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

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

**Seasonal adjustment.** Individual series are seasonally adjusted by the X-11 version of the Method II seasonal adjustment procedure developed by the Bureau of the Census. The seasonal adjustment factors for the basic aggregate series in the summary table and in Tables 1 and 3 are reviewed and edited monthly. The seasonal factors currently being used were developed from data only through 1974 in order to diminish the effect of the subsequent sharp recession and recovery on the seasonal factors.

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

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

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

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

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

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