

Manufacturers' Shipments, Inventories, and Orders

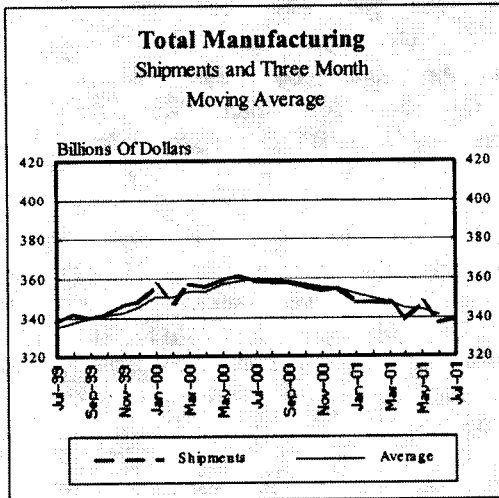
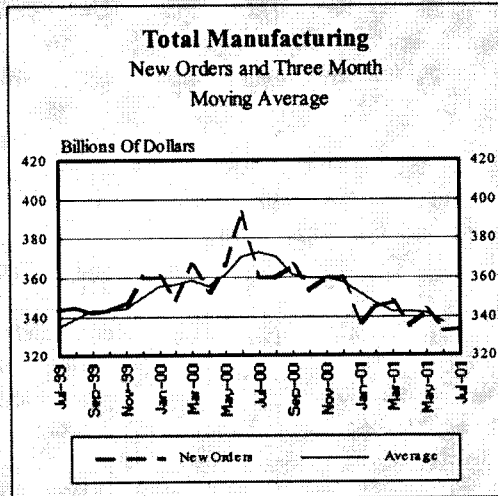
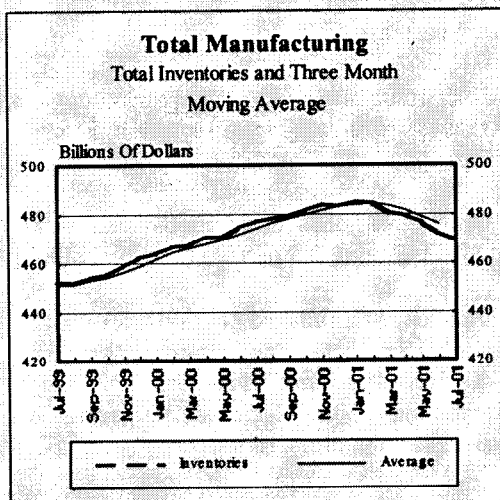
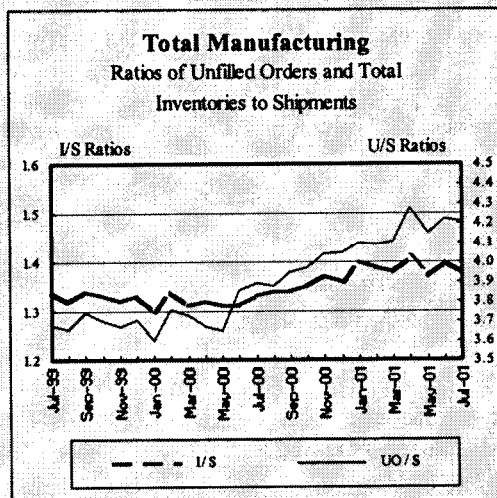
July
2001

M3-1(01)-7

For Wire Transmission 10:00 a.m. E.D.T., August 31, 2001

All figures in the text are in seasonally adjusted current dollars

**Current
Industrial
Reports**



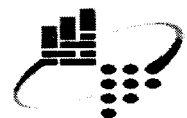
For data, call 301-457-4673. For inquiries, contact Lee Wentela or Derrick Roy, Manufacturers' Shipments, Inventories and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900 or call 301-457-4804 or 301-457-4814. The advance report on durable good for August is scheduled for September 27, 2001 at 8:30 a.m. and the full report on October 4, 2001 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Our Internet address is : <http://www.census.gov/indicator/www/m3>

USCENSUSBUREAU

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Summary

New orders for manufactured goods in July increased \$0.5 billion or 0.1 percent to \$333.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.9 percent June decrease. Year to date, new orders for 2001 are 6.8 percent below the same period a year ago.

Shipments increased \$1.8 billion or 0.5 percent to \$339.1 billion, following a 2.9 percent June decrease. Year to date, shipments for 2001 are 3.6 percent below the same period a year ago.

Unfilled orders, down seven consecutive months, decreased \$5.7 billion or 1.0 percent to \$568.4 billion, following a 0.8 percent June decrease. The unfilled orders-to-shipments ratio was 4.21, down from 4.22 in June.

Inventories, down six consecutive months, decreased \$2.8 billion or 0.6 percent to \$469.2 billion, following a 1.0 percent June decrease. The inventories-to-shipments ratio was 1.38, down from 1.40 in June.

New Orders

New Orders for manufactured durable goods in July decreased \$1.2 billion or 0.7 percent to \$182.2 billion, revised from the previously published 0.6 percent decrease.

Computers and electronic products had the largest decrease, \$1.5 billion or 4.5 percent to \$32.4 billion, due to semiconductors. Machinery decreased \$0.5 billion or 2.1 percent to \$23.7 billion. Transportation equipment increased \$0.5 billion or 0.9 percent to \$52.7 billion.

New orders for nondurable goods increased \$1.7 billion or 1.1 percent to \$151.2 billion.

Shipments

Shipments of durable goods in July increased slightly to \$187.9 billion, revised from the previously published 0.2 percent increase.

Transportation equipment had the largest increase, \$0.4 billion or 0.8 percent to \$54.1 billion. Machinery increased \$0.4 billion or 1.7 percent to \$24.6 billion, due to turbines,

generators, and other power transmission equipment. Computers and electronic products, led by nondefense communications equipment and semiconductors, decreased \$1.2 billion or 3.1 percent to \$35.8 billion; this is the seventh consecutive decrease. Electrical equipment decreased \$0.4 billion or 4.0 percent to \$10.5 billion; this is the sixth decrease in the last seven months and the largest since January 1999.

Shipments of nondurable goods increased \$1.7 billion or 1.1 percent to \$151.2 billion. Plastics and rubber products had the largest increase, \$0.6 billion or 4.3 percent to \$15.3 billion; this is the largest increase since March 1996.

Unfilled Orders

Unfilled Orders for durable goods in July, down seven consecutive months, decreased \$5.7 billion or 1.0 percent to \$568.4 billion, unrevised from the previously published 1.0 percent decrease.

Computers and electronic products, led by semiconductors, had the largest decrease, \$3.4 billion or 2.5 percent to \$133.0 billion; this is the eighth consecutive decrease. Transportation equipment decreased \$1.3 billion or 0.5 percent to \$286.3 billion, led by nondefense aircraft and parts. Machinery, down six of the last seven months, decreased \$0.9 billion or 1.4 percent to \$60.4 billion.

Inventories

Inventories of durable goods in July decreased \$2.3 billion or 0.8 percent to \$298.6 billion, revised from the previously published 0.6 percent decrease.

Computers and electronic products, led by semiconductors, had the largest decrease, \$0.9 billion or 1.5 percent to \$56.7 billion; this is the fifth consecutive decrease.

Inventories of nondurable goods, down six consecutive months, decreased \$0.5 billion or 0.3 percent to \$170.6 billion.

By stage of fabrication, July finished goods decreased 0.8 percent in durables and 0.5 percent in nondurables. Work in process decreased 0.4 percent in durables and 0.2 percent in nondurables. Materials and supplies decreased 1.1 percent in durables and 0.2 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

For data, call 301-457-4673. For inquiries, contact Lee Wentela or Derrick Roy, Manufacturers' Shipments, Inventories, and Orders Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call 301-457-4832 or 301-457-4814.

The advance report on durable goods for August is scheduled for September 27, 2001 at 8:30 a.m. and the full report on October 4, 2001 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Percent	Year to date	
	July 2001 ^p	June 2001 ^r	May 2001	June - July	May - June	Apr. - May	July 2001 ^p	June 2001 ^r	May 2001	July 2000	Change July 01/00	2001 ^p	2000
All manufacturing industries.....	339,093	337,322	347,267	+0.5	-2.9	+2.4	302,939	361,374	351,059	320,376	-5.4	2,364,443	2,468,201
Excluding transportation.....	285,024	283,701	292,952	+0.5	-3.2	+1.1	265,981	302,317	293,503	283,532	-6.2	2,009,461	2,078,346
Excluding defense.....	331,725	329,720	340,286	+0.6	-3.1	+2.4	296,405	352,949	344,192	314,401	-5.7	2,317,260	2,422,692
Durable goods industries.....	187,896	187,821	192,463	0.0	-2.4	+3.2	157,689	206,494	193,654	172,267	-8.5	1,306,889	1,405,005
Wood products.....	7,113	7,204	7,216	-1.3	-0.2	+6.7	7,372	8,032	7,674	7,174	+2.8	48,494	53,881
Nonmetallic mineral products.....	7,591	7,537	7,731	+0.7	-2.5	+3.1	7,668	8,064	8,104	8,062	-4.9	52,330	56,582
Primary metals.....	12,072	11,871	12,340	+1.7	-3.8	+4.7	10,928	12,427	12,745	12,439	-12.1	85,456	98,488
Iron and steel mills.....	5,206	5,118	5,351	+1.7	-4.4	+6.6	4,769	5,374	5,543	5,560	-14.2	36,801	44,285
Aluminum and nonferrous metals.....	5,598	5,456	5,668	+2.6	-3.7	+2.7	5,070	5,662	5,789	5,677	-10.7	39,672	44,188
Ferrous metal foundries.....	1,268	1,297	1,321	-2.2	-1.8	+6.1	1,089	1,391	1,413	1,202	-9.4	8,983	10,015
Fabricated metal products.....	20,319	20,105	20,729	+1.1	-3.0	+2.4	18,961	21,354	21,360	20,062	-5.5	142,497	152,059
Machinery.....	24,609	24,200	25,266	+1.7	-4.2	+1.8	21,703	26,784	25,413	22,921	-5.3	173,847	173,848
Farm machinery.....	1,489	1,396	1,254	+6.7	+11.3	+7.5	1,403	1,496	1,457	1,094	+28.2	9,833	8,810
Construction machinery.....	1,681	1,628	1,645	+3.3	-1.0	+1.5	1,539	1,859	1,810	1,556	-1.1	12,311	13,615
Mining, oil field, and gas field machinery.....	1,085	1,062	1,077	+2.2	-1.4	+2.6	1,016	1,140	1,015	818	+24.2	7,278	5,569
Industrial machinery.....	3,552	3,684	4,003	-3.6	-8.0	-2.5	3,234	4,014	3,525	4,434	-27.1	27,556	27,296
Photographic equipment.....	1,396	1,419	1,346	-1.6	+5.4	+3.3	1,246	1,610	1,336	1,057	+17.9	9,133	8,274
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,678	2,771	2,819	-3.4	-1.7	+7.1	2,499	3,279	3,027	2,564	-2.5	19,264	19,869
Metalworking machinery.....	2,279	2,351	2,392	-3.1	-1.7	+0.8	1,878	2,599	2,310	2,179	-13.8	15,801	16,951
Turbines, generators, and other power transmission equipment.....	3,442	2,841	3,335	+21.2	-14.8	+1.6	2,467	3,369	3,247	2,204	+11.9	20,542	20,712
Material handling equipment.....	1,533	1,623	1,759	-5.5	-7.7	+2.7	1,482	1,770	1,760	1,809	-18.1	12,392	12,453
Computers and electronic products.....	35,815	36,969	37,811	-3.1	-2.2	-3.2	30,355	42,560	34,110	40,058	-24.2	264,768	296,419
Electronic computers.....	6,337	6,196	6,651	+2.3	-6.8	-5.5	5,658	7,431	5,935	7,740	-26.9	46,540	53,445
Computer storage devices.....	1,057	1,000	1,200	+5.7	-16.7	-5.7	678	1,470	978	863	-21.4	7,406	7,777
Nondefense communications equipment.....	6,463	6,906	6,944	-6.4	-0.5	-3.3	5,377	8,220	6,261	7,844	-31.5	47,683	60,876
Defense communications equipment.....	279	276	302	+1.1	-8.6	+8.6	259	293	310	250	+3.6	1,943	1,773
Audio and video equipment.....	915	907	883	+0.9	+2.7	+9.6	806	858	746	964	-16.4	5,851	6,262
Semiconductors.....	6,726	7,147	7,298	-5.9	-2.1	-6.7	5,682	7,832	6,431	8,380	-32.2	53,443	57,141
Electronic components.....	4,075	4,353	4,374	-6.4	-0.5	0.0	3,520	4,582	4,124	5,286	-33.4	32,112	40,051
Nondefense search and navigation equipment.....	781	764	774	+2.2	-1.3	+2.5	705	810	758	707	-0.3	5,177	5,660
Defense search and navigation equipment.....	1,719	1,687	1,740	+1.9	-3.0	-0.4	1,538	1,854	1,643	1,546	-0.5	11,813	11,644
Electromedical, measuring, and control instruments.....	5,200	5,422	5,267	-4.1	+2.9	-1.1	4,314	6,297	5,027	4,195	+2.8	36,194	33,547
Electrical equipment, appliances, and components.....	10,522	10,956	11,292	-4.0	-3.0	+0.8	9,294	12,133	11,231	10,060	-7.6	76,565	75,912
Electric lighting equipment.....	1,169	1,170	1,206	-0.1	-3.0	-3.0	956	1,271	1,169	1,024	-6.6	8,074	8,094
Household appliances.....	1,946	1,939	2,034	+0.4	-4.7	+3.6	1,782	2,250	2,087	1,744	+2.2	13,893	13,868
Electrical equipment.....	2,941	3,314	3,307	-11.3	+0.2	+4.7	2,651	3,734	3,233	3,053	-13.2	22,337	22,884
Batteries.....	578	557	552	+3.8	+0.9	+3.8	448	606	519	433	+3.5	3,471	3,981
Transportation equipment.....	54,069	53,621	54,315	+0.8	-1.3	+10.0	36,958	59,057	57,556	36,844	+0.3	354,982	389,855
Automobiles.....	8,707	8,322	8,467	+4.6	-1.7	+13.0	4,913	8,768	9,169	4,669	+5.2	53,699	61,448
Light trucks and utility vehicles.....	11,480	10,765	11,652	+6.6	-7.6	+9.6	6,364	12,103	12,870	6,340	+0.4	73,853	83,548
Heavy duty trucks.....	1,020	1,086	1,124	-6.1	-3.4	+11.2	933	1,194	1,113	1,209	-22.8	7,417	11,890
Motor vehicle bodies, parts, and trailers.....	16,976	16,603	17,297	+2.2	-4.0	+5.5	11,991	17,830	18,405	13,101	-8.5	115,543	131,875
Nondefense aircraft and parts.....	8,351	8,923	8,511	-6.4	+4.8	+19.4	6,354	10,277	8,757	5,469	+16.2	55,595	51,485
Defense aircraft and parts.....	2,533	2,802	2,371	-9.6	+18.2	+10.1	2,111	3,211	2,271	1,931	+9.3	15,768	15,169
Ships and boats.....	1,549	1,754	1,716	-11.7	+2.2	+6.3	1,353	1,806	1,841	1,649	-18.0	11,690	12,188
Furniture and related products.....	6,032	5,796	6,072	+4.1	-4.5	-1.4	5,534	5,850	5,841	6,111	-9.4	41,774	44,363
Miscellaneous durable goods.....	9,754	9,562	9,691	+2.0	-1.3	+0.5	8,916	10,233	9,620	8,536	+4.5	66,176	63,598
Nondurable goods industries.....	151,197	149,501	154,804	+1.1	-3.4	+1.5	145,250	154,880	157,405	148,109	-1.9	1,057,554	1,063,196
Food products.....	38,578	38,134	38,335	+1.2	-0.5	+1.0	36,352	38,593	38,138	34,489	+5.4	260,640	249,651
Grain and oilseed milling.....	4,124	4,124	4,096	0.0	+0.7	+2.2	3,966	3,944	4,194	3,698	+7.2	28,303	26,790
Dairy products.....	5,821	5,712	5,690	+1.9	+0.4	+2.3	5,528	6,020	5,824	4,780	+15.6	38,412	35,169
Meat, poultry, and seafood products.....	11,543	11,416	11,560	+1.1	-1.2	+0.2	11,190	11,736	11,796	10,658	+5.0	78,795	74,204
Beverage and tobacco products.....	9,742	9,572	10,243	+1.8	-6.6	+8.5	9,887	10,390	10,949	9,394	+5.2	67,600	65,201
Beverages.....	5,682	5,478	5,859	+3.7	-6.5	+7.5	5,914	6,152	6,332	5,500	+7.5	39,335	37,776
Tobacco.....	4,060	4,094	4,384	-0.8	-6.6	+9.9	3,973	4,238	4,617	3,894	+2.0	28,265	27,425
Textile mills.....	3,842	3,895	3,939	-1.4	-1.1	-0.4	3,396	4,279	3,954	4,019	-15.5	27,463	31,232
Textile products.....	2,810	2,790	2,750	+0.7	+1.5	+0.6	2,839	3,025	2,793	2,731	+4.0	19,467	19,490
Apparel.....	4,972	5,135	5,293	-3.2	-3.0	-1.9	5,021	5,034	4,762	5,387	-6.8	36,046	36,719
Leather and allied products.....	714	747	778	-4.4	-4.0	-1.5	640	737	728	795	-19.5	5,175	5,481
Paper products.....	13,141	13,075	13,364	+0.5	-2.2	0.0	12,785	13,273	13,391	13,960	-8.4	92,935	99,749
Pulp, paper, and paperboard mills.....	5,983	5,944	6,138	+0.7	-3.2	-1.6	5,846	6,081	6,093	6,532	-10.5	43,095	46,624
Paperboard containers.....	4,064	4,054	4,084	+0.2	-0.7	+1.2	3,968	3,974	4,144	4,319	-8.1	28,373	31,331
Printing.....	8,248	8,215	8,504	+0.4	-3.4	-0.2	7,818	8,086	8,149	8,466	-7.7	57,212	59,654
Petroleum and coal products.....	18,212	18,199	20,206	+0.1	-9.9	+3.0	18,439	19,092	21,096	19,799	-6.9	131,524	130,500
Petroleum refineries.....	16,371	16,292	18,227	+0.5	-10.6	+3.0	16,410	16,862	19,034	17,715	-7.4	118,726	117,651
Basic chemicals.....	35,630	35,068	36,558	+1.6	-4.1	+1.2	33,772	36,940	37,747	34,988	-3.5	254,847	257,713
Pesticides, fertilizers, and other agricultural chemicals.....	1,649	1,597	1,772	+3.3	-9.9	-2.9	1,257	1,901	2,719	1,373	-8.4	14,878	14,593
Pharmaceuticals and medicines.....	9,734	9,497	10,155	+2.5	-6.5	+0.6	9,074	9,476	10,247	9,608	-5.6	68,935	68,103
Paints, coatings, and adhesives.....	2,496	2,437	2,552	+2.4	-4.5	+4.2	2,632	2,675	2,836	2,608	+0.9	18,064	17,832
Plastics and rubber products.....	15,308	14,671	14,834	+4.3	-1.1	+1.5	14,301	15,431	15,698	14,081	+1.6	104,645	107,806

^p Preliminary ^r Revised

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of Table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted ¹						
	Monthly			Percent Change			Monthly				Percent Change July 01/00	Year to date	
	July 2001 ^p	June 2001 ^f	May 2001	June - July	May - June	Apr. - May	July 2001 ^p	June 2001 ^f	May 2001	July 2000		2001 ^p	2000
All manufacturing industries.....	333,429	332,939	342,893	+0.1	-2.9	+2.2	296,844	351,812	342,365	324,627	-8.6	2,338,524	2,526,609
Excluding transportation.....	280,699	280,694	288,533	0.0	-2.7	+2.0	263,731	295,575	286,864	288,595	-8.6	1,983,151	2,112,809
Excluding defense.....	326,138	326,327	335,337	-0.1	-2.7	+2.2	292,370	345,751	336,219	320,473	-8.8	2,290,554	2,457,776
Durable goods industries.....	182,232	183,438	188,089	-0.7	-2.5	+2.8	151,594	196,932	184,960	176,518	-14.1	1,280,970	1,463,413
Primary metals.....	11,905	12,090	12,455	-1.5	-2.9	+7.0	10,730	12,377	12,527	12,042	-10.9	85,462	97,919
Iron and steel mills.....	5,191	5,359	5,432	-3.1	-1.3	+10.4	4,667	5,496	5,448	5,150	-9.4	36,887	43,565
Aluminum and nonferrous metals.....	5,457	5,431	5,664	+0.5	-4.1	+4.7	5,011	5,506	5,649	5,675	-11.7	39,586	44,165
Ferrous metal foundries.....	1,257	1,300	1,359	-3.3	-4.3	+4.2	1,052	1,375	1,430	1,217	-13.6	8,989	10,189
Fabricated metal products.....	20,295	20,157	20,500	+0.7	-1.7	+3.5	19,143	21,275	20,956	20,073	-4.6	142,242	153,721
Machinery.....	23,740	24,261	24,645	-2.1	-1.6	+2.3	21,106	25,397	24,447	23,886	-11.6	170,284	180,497
Construction machinery.....	1,635	1,636	1,586	-0.1	+3.2	+2.1	1,383	1,769	1,652	1,288	+7.4	11,788	12,827
Mining, oil field, and gas field machinery.....	1,079	1,140	1,144	-5.4	-0.3	+7.5	1,007	1,221	1,074	805	+25.1	7,531	5,491
Industrial machinery.....	3,039	3,745	3,867	-18.9	-3.2	+15.5	3,057	3,746	3,265	5,174	-40.9	25,230	31,370
Photographic equipment.....	1,434	1,451	1,339	-1.2	+8.4	+3.6	1,330	1,598	1,328	1,030	+29.1	9,063	8,115
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,845	2,799	2,598	+1.6	+7.7	-0.2	2,618	3,235	2,837	2,593	+1.0	19,481	20,343
Metalworking machinery.....	2,205	2,192	2,402	+0.6	-8.7	+6.0	1,805	2,283	2,461	1,958	-7.8	15,326	16,603
Turbines, generators, and other power transmission equipment.....	3,024	3,017	3,191	+0.2	-5.5	-11.7	2,383	2,930	3,006	3,130	-23.9	20,935	23,117
Material handling equipment.....	1,554	1,636	1,759	-5.0	-7.0	+9.4	1,318	1,797	1,617	1,597	-17.5	12,203	13,157
Computers and electronic products.....	32,443	33,978	35,168	-4.5	-3.4	+1.1	27,903	38,363	30,152	43,715	-36.2	246,493	319,498
Electronic computers.....	5,997	6,323	6,499	-5.2	-2.7	-6.5	5,387	7,442	6,217	7,492	-28.1	46,485	53,137
Nondefense communications equipment.....	5,797	5,009	5,887	+15.7	-14.9	-15.7	4,089	6,258	5,138	8,214	-50.2	43,177	68,177
Defense communications equipment.....	284	264	222	+7.6	+18.9	-31.5	242	259	228	184	+31.5	1,948	1,785
Semiconductors.....	4,579	6,195	6,532	-26.1	-5.2	+34.6	5,106	6,275	4,527	11,542	-55.8	43,667	65,895
Electronic components.....	3,938	4,288	4,079	-8.2	+5.1	+7.9	3,620	4,447	3,595	6,025	-39.9	28,852	45,037
Nondefense search and navigation equipment.....	754	672	651	+12.2	+3.2	+7.8	661	716	643	593	+11.5	4,701	5,459
Defense search and navigation equipment.....	1,769	1,609	1,475	+9.9	+9.1	+2.6	1,091	1,646	1,037	1,005	+8.6	11,370	13,319
Electromedical, measuring, and control instruments.....	5,090	5,400	5,362	-5.7	+0.7	+0.5	4,405	6,079	5,146	4,550	-3.2	36,430	34,407
Electrical equipment, appliances, and components.....	10,696	10,573	10,757	+1.2	-1.7	-0.4	9,669	11,450	10,537	10,452	-7.5	74,725	77,924
Electric lighting equipment.....	1,162	1,199	1,244	-3.1	-3.6	+2.2	987	1,305	1,252	1,076	-8.3	8,223	8,205
Household appliances.....	2,124	1,875	2,039	+13.3	-8.0	+1.5	1,972	2,089	2,069	1,697	+16.2	13,728	13,681
Electrical equipment.....	3,057	3,340	3,377	-8.5	-1.1	+13.3	2,875	3,592	3,267	3,086	-6.8	22,226	23,871
Transportation equipment.....	52,730	52,245	54,360	+0.9	-3.9	+3.2	33,113	56,237	55,501	36,032	-8.1	355,373	413,800
Motor vehicle bodies, parts, and trailers.....	16,830	16,495	17,095	+2.0	-3.5	+2.0	11,953	17,465	17,831	13,196	-9.4	114,736	129,571
Nondefense aircraft and parts.....	7,437	8,440	7,781	-11.9	+8.5	-11.9	4,267	10,255	7,442	5,640	-24.3	54,350	55,672
Defense aircraft and parts.....	2,425	2,274	3,770	+6.6	-39.7	+65.1	1,394	2,478	3,118	1,268	+9.9	17,069	23,486
Ships and boats.....	1,836	1,777	1,432	+3.3	+24.1	-42.7	1,158	1,339	1,453	1,148	+0.9	14,740	12,899
Furniture and related products.....	6,030	5,898	5,965	+2.2	-1.1	+0.3	5,865	5,903	5,842	6,493	-9.7	41,776	45,402

^p Preliminary ^f Revised

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(00), "Manufacturers' Shipments, Inventories, and Orders: 1992-2000."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 01/00
	July 2001 ^p	June 2001 ^r	May 2001	June - July	May - June	Apr. - May	July 2001 ^p	June 2001 ^r	May 2001	July 2000	
All manufacturing industries.....	568,448	574,112	578,495	-1.0	-0.8	-0.8	566,095	572,190	581,752	581,622	-2.7
Excluding transportation.....	282,123	286,448	289,455	-1.5	-1.0	-1.5	282,172	284,422	291,164	318,109	-11.3
Excluding defense.....	426,343	431,930	435,323	-1.3	-0.8	-1.1	424,714	428,749	435,947	443,187	-4.2
Durable goods industries.....	568,448	574,112	578,495	-1.0	-0.8	-0.8	566,095	572,190	581,752	581,622	-2.7
Primary metals.....	18,822	18,989	18,770	-0.9	+1.2	+0.6	18,960	19,158	19,208	20,817	-8.9
Iron and steel mills.....	9,107	9,122	8,881	-0.2	+2.7	+0.9	9,187	9,289	9,167	10,440	-12.0
Aluminum and nonferrous metals.....	7,467	7,608	7,633	-1.9	-0.3	-0.1	7,533	7,592	7,748	8,203	-8.2
Ferrous metal foundries.....	2,248	2,259	2,256	-0.5	+0.1	+1.7	2,240	2,277	2,293	2,174	+3.0
Fabricated metal products.....	41,965	41,989	41,937	-0.1	+0.1	-0.5	42,386	42,204	42,283	43,857	-3.4
Machinery.....	60,380	61,249	61,188	-1.4	+0.1	-1.0	59,719	60,316	61,703	63,398	-5.8
Construction machinery.....	2,160	2,206	2,198	-2.1	+0.4	-2.6	2,073	2,229	2,319	2,954	-29.8
Mining, oil field, and gas field machinery.....	1,611	1,617	1,539	-0.4	+5.1	+4.6	1,620	1,629	1,548	1,352	+19.8
Industrial machinery.....	10,349	10,862	10,801	-4.7	+0.6	-1.2	10,475	10,652	10,920	13,938	-24.8
Photographic equipment.....	860	822	790	+4.6	+4.1	-0.9	863	779	791	701	+23.1
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,779	4,612	4,584	+3.6	+0.6	-4.6	4,840	4,721	4,765	5,106	-5.2
Metalworking machinery.....	4,884	4,958	5,117	-1.5	-3.1	+0.2	4,895	4,968	5,284	6,013	-18.6
Turbines, generators, and other power transmission equipment.....	20,542	20,960	20,784	-2.0	+0.8	-0.7	20,008	20,092	20,531	16,925	+18.2
Material handling equipment.....	6,011	5,990	5,977	+0.4	+0.2	0.0	5,944	6,108	6,081	6,128	-3.0
Computers and electronic products.....	132,979	136,351	139,342	-2.5	-2.1	-1.9	132,777	135,229	139,426	157,143	-15.5
Electronic computers.....	10,060	10,400	10,273	-3.3	+1.2	-1.5	10,153	10,424	10,413	9,553	+6.3
Nondefense communications equipment.....	42,194	42,860	44,757	-1.6	-4.2	-2.3	41,757	43,045	45,007	46,651	-10.5
Defense communications equipment.....	2,611	2,606	2,618	+0.2	-0.5	-3.0	2,560	2,577	2,611	2,285	+12.0
Semiconductors.....	15,281	17,428	18,380	-12.3	-5.2	-4.0	15,554	16,130	17,687	32,427	-52.0
Electronic components.....	16,853	16,990	17,055	-0.8	-0.4	-1.7	16,784	16,684	16,819	19,956	-15.9
Nondefense search and navigation equipment.....	4,553	4,580	4,672	-0.6	-2.0	-2.6	4,618	4,662	4,756	5,689	-18.8
Defense search and navigation equipment.....	29,725	29,675	29,753	+0.2	-0.3	-0.9	29,561	30,008	30,216	29,870	-1.0
Electromedical, measuring, and control instruments.....	11,702	11,812	11,834	-0.9	-0.2	+0.8	11,790	11,699	11,917	10,712	+10.1
Electrical equipment, appliances, and components.....	17,582	17,408	17,791	+1.0	-2.2	-2.9	17,539	17,164	17,847	19,395	-9.6
Electric lighting equipment.....	1,626	1,633	1,604	-0.4	+1.8	+2.4	1,706	1,675	1,641	1,604	+6.4
Household appliances.....	1,223	1,045	1,109	+17.0	-5.8	+0.5	1,094	904	1,065	796	+37.4
Electrical equipment.....	9,923	9,807	9,781	+1.2	+0.3	+0.7	9,942	9,718	9,860	9,762	+1.8
Transportation equipment.....	286,325	287,664	289,040	-0.5	-0.5	0.0	283,923	287,768	290,588	263,513	+7.7
Motor vehicle bodies, parts, and trailers.....	12,838	12,984	13,092	-1.1	-0.8	-1.5	12,587	12,625	12,990	14,065	-10.5
Nondefense aircraft and parts.....	149,942	150,856	151,339	-0.6	-0.3	-0.5	148,486	150,573	150,595	131,675	+12.8
Defense aircraft and parts.....	46,100	46,208	46,736	-0.2	-1.1	+3.1	46,196	46,913	47,646	43,320	+6.6
Ships and boats.....	22,654	22,367	22,344	+1.3	+0.1	-1.3	22,606	22,801	23,268	18,913	+19.5
Furniture and related products.....	6,767	6,769	6,667	0.0	+1.5	-1.6	7,057	6,726	6,673	8,444	-16.4

^p Preliminary ^r Revised

See note at end of Table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	July 2001 ^p	June 2001 ^r	May 2001	June - July	May - June	Apr. - May	July 2001 ^p	June 2001 ^r	May 2001	July 2000	July 01/00
All manufacturing industries.....	469,163	471,967	476,712	-0.6	-1.0	-0.6	469,241	467,514	479,047	479,169	-2.1
Excluding transportation.....	394,789	397,420	400,967	-0.7	-0.9	-0.6	394,220	394,042	403,322	400,881	-1.7
Excluding defense.....	447,749	450,500	454,448	-0.6	-0.9	-0.6	447,452	445,990	456,756	455,709	-1.8
Durable goods industries.....	298,562	300,823	304,174	-0.8	-1.1	-0.8	299,206	297,850	306,265	305,380	-2.0
Wood products.....	9,867	9,970	9,918	-1.0	+0.5	+0.7	9,658	9,642	9,568	9,980	-3.2
Nonmetallic mineral products.....	10,010	10,039	10,013	-0.3	+0.3	-0.7	9,922	10,014	10,145	9,731	+2.0
Primary metals.....	20,799	21,117	21,456	-1.5	-1.6	-1.8	20,820	20,878	21,355	23,095	-9.9
Iron and steel mills.....	11,293	11,389	11,558	-0.8	-1.5	-2.5	11,368	11,233	11,451	12,934	-12.1
Aluminum and nonferrous metals.....	7,667	7,898	8,081	-2.9	-2.3	-1.2	7,632	7,790	8,036	8,397	-9.1
Ferrous metal foundries.....	1,839	1,830	1,817	+0.5	+0.7	-0.3	1,820	1,855	1,868	1,764	+3.2
Fabricated metal products.....	34,211	34,367	34,912	-0.5	-1.6	-0.8	34,423	34,464	35,165	35,211	-2.2
Machinery.....	50,782	51,022	51,023	0.5	0.0	-0.9	50,395	50,356	51,491	49,196	+2.4
Farm machinery.....	2,208	2,226	2,218	-0.8	+0.4	+1.1	2,103	2,171	2,204	2,006	+4.8
Construction machinery.....	3,889	3,830	3,869	+1.5	-1.0	-0.7	3,823	3,804	3,890	3,607	+6.0
Mining, oil field, and gas field machinery.....	2,742	2,807	2,681	-2.3	+4.7	-2.5	2,795	2,853	2,695	2,582	+8.2
Industrial machinery.....	8,884	8,965	9,081	-0.9	-1.3	-1.8	8,753	8,898	9,264	8,752	0.0
Photographic equipment.....	2,341	2,340	2,391	0.0	-2.1	-1.5	2,290	2,296	2,435	2,151	+6.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,828	4,707	4,796	+2.6	-1.9	-1.4	4,820	4,707	4,958	4,502	+7.1
Metalworking machinery.....	6,091	6,057	6,160	+0.6	-1.7	+0.4	6,242	6,056	6,252	6,015	+3.8
Turbines, generators, and other power transmission equipment.....	5,553	5,764	5,470	-3.7	+5.4	-1.0	5,598	5,601	5,547	5,475	+2.2
Material handling equipment.....	2,637	2,634	2,607	+0.1	+1.0	-1.3	2,542	2,578	2,664	2,333	+9.0
Computers and electronic products.....	56,653	57,537	58,532	-1.5	-1.7	-0.9	57,079	56,834	59,563	57,902	-1.4
Electronic computers.....	3,441	3,400	3,590	+1.2	-5.3	-4.5	3,420	3,238	3,773	3,600	-5.0
Computer storage devices.....	1,700	1,724	1,843	-1.4	-6.5	-5.0	1,685	1,591	1,993	1,652	+2.0
Nondefense communications equipment.....	10,739	10,905	11,058	-1.5	-1.4	-0.4	10,580	10,502	11,091	12,352	-14.3
Defense communications equipment.....	581	580	582	+0.2	-0.3	+2.6	582	599	601	586	0.7
Audio and video equipment.....	1,075	1,107	1,116	-2.9	-0.8	-2.6	1,138	1,140	1,055	1,143	-0.4
Semiconductors.....	7,973	8,472	8,458	-5.9	+0.2	-0.2	8,128	8,496	8,654	7,426	+9.5
Electronic components.....	9,546	9,606	9,767	-0.6	-1.6	-0.8	9,631	9,588	9,834	9,836	-2.1
Nondefense search and navigation equipment.....	2,725	2,674	2,704	+1.9	-1.1	+0.3	2,794	2,639	2,739	2,723	+2.6
Defense search and navigation equipment.....	3,203	3,196	3,136	+0.2	+1.9	-3.5	3,281	3,212	3,178	3,212	+2.1
Electromedical, measuring and control instruments.....	11,461	11,626	11,912	-1.4	-2.4	+1.0	11,546	11,649	12,071	10,947	+5.5
Electrical equipment, appliances, and components.....	15,213	15,481	15,776	-1.7	-1.9	-1.2	15,186	15,421	16,121	15,118	+0.4
Electric lighting equipment.....	1,755	1,759	1,774	-0.2	-0.8	-0.1	1,789	1,780	1,802	1,827	-2.1
Household appliances.....	2,407	2,422	2,429	-0.6	-0.3	-1.4	2,415	2,449	2,618	2,622	-7.9
Electrical equipment.....	4,843	4,873	4,979	-0.6	-2.1	-1.2	4,819	4,724	5,019	4,442	+8.5
Batteries.....	798	804	817	-0.7	-1.6	+1.0	826	822	840	861	4.1
Transportation equipment.....	74,374	74,547	75,745	-0.2	-1.6	-0.4	75,021	73,472	75,725	78,288	-4.2
Automobiles.....	2,187	2,021	2,093	+8.2	-3.4	-7.7	2,309	1,951	2,126	2,429	-4.9
Light trucks and utility vehicles.....	1,831	1,868	1,775	-2.0	+5.2	-1.6	1,839	1,780	1,813	1,872	-1.8
Heavy duty trucks.....	975	962	995	+1.4	-3.3	-2.5	955	949	1,000	1,078	-11.4
Motor vehicle bodies, parts, and trailers.....	16,553	16,855	17,096	-1.8	-1.4	-1.1	16,683	16,594	16,893	17,885	-6.7
Nondefense aircraft and parts.....	31,224	31,167	31,242	+0.2	-0.2	+0.2	31,326	30,642	31,335	31,921	-1.9
Defense aircraft and parts.....	9,762	9,705	9,986	+0.6	-2.8	-0.6	9,956	9,696	9,994	11,111	-10.4
Ships and boats.....	2,269	2,354	2,372	-3.6	-0.8	+1.8	2,302	2,406	2,374	2,225	+3.5
Furniture and related products.....	8,439	8,549	8,638	-1.3	-1.0	-1.1	8,545	8,680	8,742	9,002	-5.1
Miscellaneous durable goods.....	18,214	18,194	18,161	+0.1	+0.2	-0.1	18,157	18,089	18,390	17,857	+1.7
Nondurable goods industries.....	170,601	171,144	172,538	-0.3	-0.8	-0.4	170,035	169,664	172,782	173,789	-2.2
Food products.....	29,875	29,804	29,723	+0.2	+0.3	+0.7	29,107	28,585	28,853	29,477	-1.3
Grain and oilseed milling.....	3,305	3,287	3,315	+0.5	-0.8	-0.7	3,150	3,094	3,152	3,275	-3.8
Dairy products.....	3,095	3,100	3,025	-0.2	+2.5	+1.9	3,234	3,186	3,116	3,246	-0.4
Meat, poultry, and seafood products.....	5,701	5,682	5,688	+0.3	-0.1	+1.1	5,658	5,701	5,749	5,506	+2.8
Beverage and tobacco products.....	14,086	13,871	13,801	+1.5	+0.5	+0.2	13,399	13,300	13,565	13,228	+1.3
Beverages.....	8,274	8,192	8,211	+1.0	-0.2	-0.3	8,079	8,074	8,242	7,809	+3.5
Tobacco.....	5,812	5,679	5,590	+2.3	+1.6	+0.8	5,320	5,226	5,323	5,419	-1.8
Textile mills.....	6,510	6,591	6,703	-1.2	-1.7	-0.9	6,594	6,619	6,882	7,004	-5.9
Textile products.....	4,556	4,621	4,691	-1.4	-1.5	-2.2	4,581	4,709	4,807	4,891	-6.3
Apparel.....	9,999	10,154	10,262	-1.5	-1.1	-0.6	10,381	10,607	10,454	10,481	-1.0
Leather and allied products.....	1,494	1,509	1,539	-1.0	-1.9	-1.7	1,536	1,532	1,556	1,720	-10.7
Paper products.....	15,560	15,696	15,747	-0.9	-0.3	-0.6	15,599	15,645	15,837	16,489	-5.4
Pulp, paper, and paperboard mills.....	6,888	6,997	7,096	-1.6	-1.4	-0.7	6,904	7,021	7,185	7,168	-3.7
Paperboard containers.....	4,378	4,400	4,409	-0.5	-0.2	-1.1	4,371	4,328	4,387	4,873	-10.3
Printing.....	6,399	6,408	6,491	-0.1	-1.3	-0.3	6,609	6,425	6,397	7,086	-6.7
Petroleum and coal products.....	12,916	13,098	13,325	-1.4	-1.7	+0.2	13,039	13,296	13,739	13,658	-4.5
Petroleum refineries.....	11,076	11,217	11,404	-1.3	-1.6	-0.1	11,165	11,322	11,731	11,712	-4.7
Basic chemicals.....	51,380	51,428	52,066	-0.1	-1.2	-0.5	51,449	51,058	52,381	51,334	+0.2
Pesticides, fertilizers, and other agricultural chemicals.....	2,924	2,972	2,980	-1.6	-0.3	+0.1	2,529	2,638	2,897	2,319	+9.1
Pharmaceuticals and medicines.....	17,655	17,658	17,749	0.0	-0.5	+0.2	17,978	17,597	17,797	17,493	+2.8
Paints, coatings, and adhesives.....	3,288	3,244	3,312	+1.4	-2.1	-0.6	3,329	3,320	3,372	3,211	+3.7
Plastics and rubber products.....	17,826	17,964	18,190	-0.8	-1.2	-1.5	17,741	17,888	18,311	18,421	-3.7

^p Preliminary ^r Revised

See note at end of Table 2 relating to survey error and revision.

Table 5. VALUE OF MANUFACTURERS' SHIPMENTS, NEW ORDERS, UNFILLED ORDERS, AND TOTAL INVENTORIES FOR TOPICAL SERIES ¹
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted ²						
	Monthly			Percent Change			Monthly				Percent Change	Year to date	
	July 2001 ^p	June 2001 ^f	May 2001	June - July	May - June	Apr. - May	July 2001 ^p	June 2001 ^f	May 2001	July 2000	July 01/00	2001 ^p	2000
SHIPMENTS													
All manufacturing industries.....	339,093	337,322	347,267	+0.5	-2.9	+2.4	302,939	361,374	351,059	320,376	-5.4	2,364,443	2,468,201
Construction materials and supplies.....	33,005	32,968	33,957	+0.1	-2.9	+3.7	32,493	35,880	35,392	34,007	-4.5	231,124	248,078
Information technology.....	30,298	30,864	31,678	-1.8	-2.6	-2.4	25,856	36,028	29,114	31,255	-17.3	217,136	234,586
Capital goods.....	69,891	71,356	72,616	-2.1	-1.7	+1.9	60,545	81,179	70,301	67,156	-9.8	494,307	516,128
Nondefense capital goods ³	63,492	64,681	66,527	-1.8	-2.8	+1.6	54,781	73,824	64,276	61,993	-11.6	452,989	476,475
Excluding aircraft.....	59,053	59,720	61,785	-1.1	-3.3	-0.4	51,647	67,783	59,178	59,072	-12.6	422,255	445,741
Defense capital goods ⁴	6,399	6,675	6,089	-4.1	+9.6	+5.8	5,764	7,355	6,025	5,163	+11.6	41,318	39,653
Consumer goods.....	128,409	126,218	131,565	+1.7	-4.1	+3.0	114,736	131,137	134,207	116,061	-1.1	881,628	896,273
Consumer durable goods.....	35,603	34,132	35,550	+4.3	-4.0	+6.6	24,902	36,767	37,335	25,416	-2.0	234,357	259,648
Consumer nondurable goods.....	92,806	92,086	96,015	+0.8	-4.1	+1.8	89,834	94,370	96,872	90,645	-0.9	647,271	636,625
NEW ORDERS													
All manufacturing industries.....	333,429	332,939	342,893	+0.1	-2.9	+2.2	296,844	351,812	342,365	324,627	-8.6	2,338,524	2,526,609
Construction materials and supplies.....	32,951	32,941	33,788	0.0	-2.5	+4.8	32,564	35,875	35,030	34,020	-4.3	230,474	250,250
Information technology.....	29,135	28,548	29,441	+2.1	-3.0	-6.6	23,894	33,097	26,788	31,338	-23.8	210,114	244,867
Capital goods.....	66,478	66,809	69,937	-0.5	-4.5	-1.3	54,814	73,319	65,693	67,945	-19.3	478,197	557,153
Nondefense capital goods ³	60,152	61,364	63,765	-2.0	-3.8	-1.3	50,487	68,675	60,725	64,102	-21.2	438,518	497,532
Excluding aircraft.....	56,954	57,705	59,581	-1.3	-3.1	-1.1	49,767	63,475	56,770	60,759	-18.1	412,835	463,063
Defense capital goods ⁴	6,326	5,445	6,172	+16.2	-11.8	-1.2	4,327	4,644	4,968	3,843	+12.6	39,679	59,621
Consumer goods.....	128,498	126,258	131,145	+1.8	-3.7	+3.4	115,230	130,609	133,781	116,301	-0.9	879,212	896,913
Consumer durable goods.....	35,692	34,172	35,130	+4.4	-2.7	+8.0	25,396	36,239	36,909	25,656	-1.0	231,941	260,288
UNFILLED ORDERS													
All manufacturing industries.....	568,448	574,112	578,495	-1.0	-0.8	-0.8	566,095	572,190	581,752	581,622	-2.7	(X)	(X)
Construction materials and supplies.....	35,021	35,075	35,102	-0.2	-0.1	-0.5	35,418	35,347	35,352	37,030	-4.4	(X)	(X)
Information technology.....	106,515	107,678	109,994	-1.1	-2.1	-2.0	106,099	108,061	110,992	112,694	-5.9	(X)	(X)
Capital goods.....	392,142	395,555	400,102	-0.9	-1.1	-0.7	389,034	394,765	402,625	387,998	+0.3	(X)	(X)
Nondefense capital goods ³	268,320	271,660	274,977	-1.2	-1.2	-1.0	266,173	270,467	275,616	264,323	+0.7	(X)	(X)
Excluding aircraft.....	153,984	156,083	158,098	-1.3	-1.3	-1.4	153,293	155,173	159,481	163,048	-6.0	(X)	(X)
Defense capital goods ⁴	123,822	123,895	125,125	-0.1	-1.0	+0.1	122,861	124,298	127,009	123,675	-0.7	(X)	(X)
Consumer goods.....	8,354	8,265	8,225	+1.1	+0.5	-4.9	8,464	7,970	8,498	10,319	-18.0	(X)	(X)
Consumer durable goods.....	8,354	8,265	8,225	+1.1	+0.5	-4.9	8,464	7,970	8,498	10,319	-18.0	(X)	(X)
TOTAL INVENTORIES													
All manufacturing industries.....	469,163	471,967	476,712	-0.6	-1.0	-0.6	469,241	467,514	479,047	479,169	-2.1	(X)	(X)
Construction materials and supplies.....	48,147	48,357	48,688	-0.4	-0.7	-0.4	48,033	48,025	48,713	48,626	-1.2	(X)	(X)
Information technology.....	46,885	47,422	48,475	-1.1	-2.2	-1.1	46,947	46,692	49,352	48,157	-2.5	(X)	(X)
Capital goods.....	146,423	147,309	149,203	-0.6	-1.3	-0.5	146,690	145,390	150,743	148,165	-1.0	(X)	(X)
Nondefense capital goods ³	128,221	129,045	130,179	-0.6	-0.9	-0.6	128,153	127,070	131,622	128,631	-0.4	(X)	(X)
Excluding aircraft.....	104,008	104,890	105,949	-0.8	-1.0	-0.8	103,837	103,459	107,520	103,643	+0.2	(X)	(X)
Defense capital goods ⁴	18,202	18,264	19,024	-0.3	-4.0	-0.1	18,537	18,320	19,121	19,534	-5.1	(X)	(X)
Consumer goods.....	129,391	129,665	130,198	-0.2	-0.4	-0.2	128,832	128,302	130,209	130,790	-1.5	(X)	(X)
Consumer durable goods.....	28,488	28,524	28,648	-0.1	-0.4	-1.4	28,456	28,274	28,941	29,124	-2.3	(X)	(X)
Consumer nondurable goods.....	100,903	101,141	101,550	-0.2	-0.4	+0.1	100,376	100,028	101,268	101,666	-1.3	(X)	(X)

^p Preliminary ^f Revised (X) Not Applicable

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

⁴ Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

See note at end of Table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,
BY INDUSTRY GROUP**
(Millions of Dollars)

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change July 01/00
	July 2001 ^p	June 2001 ^r	May 2001	June - July	May - June	Apr. - May	July 2001 ^p	June 2001 ^r	May 2001	July 2000	
MATERIALS AND SUPPLIES											
All manufacturing industries.....	155,784	156,921	159,493	-0.7	-1.6	-0.5	156,066	155,162	158,513	162,848	-4.2
Durable goods industries.....	95,678	96,710	98,676	-1.1	-2.0	-0.6	96,137	95,238	97,739	100,341	-4.2
Wood products.....	3,952	3,984	3,967	-0.8	+0.4	+0.5	3,695	3,562	3,497	3,664	+0.8
Nonmetallic mineral products.....	3,393	3,384	3,396	+0.3	-0.4	-0.4	3,369	3,352	3,350	3,346	+0.7
Primary metals.....	6,950	7,155	7,349	-2.9	-2.6	-1.6	6,961	7,043	7,126	7,904	-11.9
Fabricated metal products.....	10,590	10,679	10,982	-0.8	-2.8	-1.1	10,749	10,710	10,913	11,722	-8.3
Machinery.....	18,055	18,161	18,183	-0.6	-0.1	-0.8	18,114	17,895	18,143	17,061	+6.2
Computers and electronic products.....	20,056	20,281	21,191	-1.1	-4.3	-0.2	20,380	20,227	21,338	22,364	-8.9
Electrical equipment, appliances, and components.....	5,895	6,095	6,302	-3.3	-3.3	-0.4	5,872	6,001	6,279	5,723	+2.6
Transportation equipment.....	16,914	17,022	17,329	-0.6	-1.8	-1.0	17,120	16,522	17,043	18,517	-7.5
Furniture and related products.....	3,367	3,414	3,477	-1.4	-1.8	-0.2	3,406	3,445	3,499	3,750	-9.2
Miscellaneous products.....	6,506	6,535	6,500	-0.4	+0.5	+1.1	6,471	6,481	6,551	6,290	+2.9
Nondurable goods industries.....	60,106	60,211	60,817	-0.2	-1.0	-0.3	59,929	59,924	60,774	62,507	-4.1
Food products.....	10,753	10,628	10,666	+1.2	-0.4	+0.5	10,544	10,441	10,555	10,621	-0.7
Beverage and tobacco products.....	5,966	5,926	5,906	+0.7	+0.3	+1.0	5,751	5,760	5,897	5,792	-0.7
Textiles.....	1,740	1,747	1,801	-0.4	-3.0	-3.0	1,769	1,729	1,812	2,030	-12.9
Textile products.....	1,574	1,607	1,638	-2.1	-1.9	-2.4	1,604	1,649	1,672	1,791	-10.4
Apparel.....	2,213	2,270	2,320	-2.5	-2.2	-2.9	2,206	2,306	2,384	2,552	-13.6
Leather and allied products.....	427	428	443	-0.2	-3.4	+0.7	436	437	449	471	-7.4
Paper products.....	7,445	7,514	7,536	-0.9	-0.3	-0.7	7,426	7,442	7,484	7,801	-4.8
Printing.....	2,841	2,838	2,965	+0.1	-4.3	-1.9	2,849	2,816	2,861	3,205	-11.1
Petroleum and coal products.....	3,975	3,949	3,864	+0.7	+2.2	+0.3	4,013	4,074	3,980	4,269	-6.0
Basic chemicals.....	15,879	16,004	16,274	-0.8	-1.7	+0.1	15,975	15,999	16,288	16,451	-2.9
Plastics and rubber products.....	7,293	7,300	7,404	-0.1	-1.4	-0.5	7,356	7,271	7,392	7,524	-2.2
WORK IN PROCESS											
All manufacturing industries.....	136,862	137,404	139,120	-0.4	-1.2	-1.0	137,251	136,144	140,126	143,637	-4.4
Durable goods industries.....	108,317	108,800	109,979	-0.4	-1.1	-1.1	108,838	107,896	111,022	113,648	-4.2
Wood products.....	1,914	1,897	1,880	+0.9	+0.9	-2.8	1,879	1,866	1,877	2,091	-10.1
Nonmetallic mineral products.....	1,497	1,497	1,493	0.0	+0.3	-1.1	1,470	1,481	1,523	1,365	+7.7
Primary metals.....	7,088	7,123	7,210	-0.5	-1.2	-1.1	7,143	7,064	7,213	7,925	-9.9
Fabricated metal products.....	11,473	11,564	11,582	-0.8	-0.2	-0.7	11,574	11,602	11,622	11,383	+1.7
Machinery.....	15,078	15,050	15,083	+0.2	-0.2	-0.9	15,120	14,968	15,518	15,533	-2.7
Computers and electronic products.....	18,386	18,724	18,930	-1.8	-1.1	-3.4	18,753	18,859	19,419	19,918	-5.8
Electrical equipment, appliances, and components.....	3,735	3,783	3,875	-1.3	-2.4	-2.3	3,778	3,781	3,945	3,889	-2.9
Transportation equipment.....	44,311	44,330	45,074	0.0	-1.7	-0.2	44,226	43,447	45,009	46,579	-5.1
Furniture and related products.....	1,678	1,725	1,777	-2.7	-2.9	-0.8	1,688	1,715	1,771	1,832	-7.9
Miscellaneous products.....	3,157	3,107	3,075	+1.6	+1.0	-0.1	3,207	3,113	3,125	3,133	+2.4
Nondurable goods industries.....	28,545	28,604	29,141	-0.2	-1.8	-0.6	28,413	28,248	29,104	29,989	-5.3
Food products.....	2,410	2,470	2,577	-2.4	-4.2	+0.1	2,223	2,311	2,370	2,469	-10.0
Beverage and tobacco products.....	3,276	3,258	3,256	+0.6	+0.1	+0.6	2,999	3,015	3,112	3,114	-3.7
Textiles.....	1,662	1,702	1,715	-2.4	-0.8	-2.5	1,672	1,685	1,721	1,816	-7.9
Textile products.....	897	903	909	-0.7	-0.7	-3.6	899	907	927	954	-5.8
Apparel.....	1,772	1,870	1,987	-5.2	-5.9	-3.7	1,834	1,977	2,087	2,342	-21.7
Leather and allied products.....	196	206	219	-4.9	-5.9	-4.4	199	198	217	263	-24.3
Paper products.....	1,449	1,425	1,446	+1.7	-1.5	+1.4	1,458	1,426	1,441	1,480	-1.5
Printing.....	1,916	1,931	1,888	-0.8	+2.3	+3.6	2,052	1,912	1,821	2,113	-2.9
Petroleum and coal products.....	2,776	2,807	2,866	-1.1	-2.1	+0.4	2,755	2,778	2,924	3,143	-12.3
Basic chemicals.....	9,760	9,595	9,847	+1.7	-2.6	-1.1	9,934	9,632	10,065	10,003	-0.7
Plastics and rubber products.....	2,431	2,437	2,431	-0.2	+0.2	-0.9	2,388	2,407	2,419	2,292	+4.2
FINISHED GOODS											
All manufacturing industries.....	176,517	177,642	178,099	-0.6	-0.3	-0.4	175,924	176,208	180,408	172,684	+1.9
Durable goods industries.....	94,567	95,313	95,519	-0.8	-0.2	-0.5	94,231	94,716	97,504	91,391	+3.1
Wood products.....	4,001	4,089	4,071	-2.2	+0.4	+2.6	4,084	4,214	4,194	4,225	-3.3
Nonmetallic mineral products.....	5,120	5,158	5,124	-0.7	+0.7	-0.8	5,083	5,181	5,272	5,020	+1.3
Primary metals.....	6,761	6,839	6,897	-1.1	-0.8	-2.8	6,716	6,771	7,016	7,266	-7.6
Fabricated metal products.....	12,148	12,124	12,348	+0.2	-1.8	-0.5	12,100	12,152	12,630	12,106	0.0
Machinery.....	17,649	17,811	17,757	-0.9	+0.3	-1.2	17,161	17,493	17,830	16,602	+3.4
Computers and electronic products.....	18,211	18,532	18,411	-1.7	+0.7	+1.1	17,946	17,748	18,806	15,620	+14.9
Electrical equipment, appliances, and components.....	5,583	5,603	5,599	-0.4	+0.1	-1.2	5,536	5,639	5,897	5,506	+0.5
Transportation equipment.....	13,149	13,195	13,342	-0.3	-1.1	-0.5	13,675	13,503	13,673	13,192	+3.7
Furniture and related products.....	3,394	3,410	3,384	-0.5	+0.8	-2.1	3,451	3,520	3,472	3,420	+0.9
Miscellaneous products.....	8,551	8,552	8,586	0.0	-0.4	-1.1	8,479	8,495	8,714	8,434	+0.5
Nondurable goods industries.....	81,950	82,329	82,580	-0.5	-0.3	-0.3	81,693	81,492	82,904	81,293	+0.5
Food products.....	16,712	16,706	16,480	0.0	+1.4	+0.9	16,340	15,833	15,928	16,387	-0.3
Beverage and tobacco products.....	4,844	4,687	4,639	+3.3	+1.0	-1.2	4,649	4,525	4,556	4,322	+7.6
Textiles.....	3,108	3,142	3,187	-1.1	-1.4	+1.3	3,153	3,205	3,349	3,158	-0.2
Textile products.....	2,085	2,111	2,144	-1.2	-1.5	-1.4	2,078	2,153	2,208	2,146	-3.2
Apparel.....	6,014	6,014	5,955	0.0	+1.0	+1.3	6,341	6,324	5,983	5,587	+13.5
Leather and allied products.....	871	875	877	-0.5	-0.2	-2.1	901	897	890	986	-8.6
Paper products.....	6,666	6,757	6,765	-1.3	-0.1	-0.9	6,715	6,777	6,912	7,208	-6.8
Printing.....	1,642	1,639	1,638	+0.2	+0.1	-1.5	1,708	1,697	1,715	1,768	-3.4
Petroleum and coal products.....	6,165	6,342	6,595	-2.8	-3.8	+0.2	6,271	6,444	6,835	6,246	+0.4
Basic chemicals.....	25,741	25,829	25,945	-0.3	-0.4	-0.6	25,540	25,427	26,028	24,880	+2.7
Plastics and rubber products.....	8,102	8,227	8,355	-1.5	-1.5	-2.4	7,997	8,210	8,500	8,605	-7.1

^p Preliminary ^r Revised

See note at end of Table 2 relating to survey error and revisions.

**Table 7. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS
AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**
(Based on Seasonally Adjusted data)

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio ¹			
	Jul 2001 ^p	Jun 2001 ^r	May 2001	Apr 2001	Jul 2001 ^p	Jun 2001 ^r	May 2001	Apr 2001
All manufacturing industries.....	1.38	1.40	1.37	1.41	(X)	(X)	(X)	(X)
Durable goods industries.....	1.59	1.60	1.58	1.64	4.21	4.22	4.15	4.28
Wood products.....	1.39	1.38	1.37	1.46	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.32	1.33	1.30	1.34	(X)	(X)	(X)	(X)
Primary metals.....	1.72	1.78	1.74	1.85	1.56	1.60	1.52	1.58
Fabricated metal products.....	1.68	1.71	1.68	1.74	2.17	2.20	2.13	2.19
Machinery.....	2.06	2.11	2.02	2.08	2.69	2.76	2.61	2.68
Computers and electronic products.....	1.58	1.56	1.55	1.51	4.21	4.16	4.18	4.11
Electrical equipment, appliances, and components.....	1.45	1.41	1.40	1.43	1.77	1.67	1.66	1.72
Transportation equipment.....	1.38	1.39	1.39	1.54	8.71	8.60	8.74	9.56
Furniture and related products.....	1.40	1.47	1.42	1.42	1.26	1.32	1.23	1.23
Miscellaneous products.....	1.87	1.90	1.87	1.89	(X)	(X)	(X)	(X)
Nondurable goods industries.....	1.13	1.14	1.11	1.14	(X)	(X)	(X)	(X)
Food products.....	0.77	0.78	0.78	0.78	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.45	1.45	1.35	1.46	(X)	(X)	(X)	(X)
Textiles.....	1.69	1.69	1.70	1.71	(X)	(X)	(X)	(X)
Textile products.....	1.62	1.66	1.71	1.75	(X)	(X)	(X)	(X)
Apparel.....	2.01	1.98	1.94	1.92	(X)	(X)	(X)	(X)
Leather and allied products.....	2.09	2.02	1.98	1.98	(X)	(X)	(X)	(X)
Paper products.....	1.18	1.20	1.18	1.19	(X)	(X)	(X)	(X)
Printing.....	0.78	0.78	0.76	0.76	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.71	0.72	0.66	0.68	(X)	(X)	(X)	(X)
Basic chemicals.....	1.44	1.47	1.42	1.45	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.16	1.22	1.23	1.26	(X)	(X)	(X)	(X)

^p Preliminary

^r Revised

(X) Not Applicable

¹ Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

Table 8. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on Seasonally Adjusted data)

Industry	Shipments			New Orders			Unfilled Orders			Inventories		
	Jul ¹ 2001	Jul ² 1996- 2000	Jul 2000- Jun 2001	Jul ¹ 2001	Jul ² 1996- 2000	Jul 2000- Jun 2001	Jul ¹ 2001	Jul ² 1996- 2000	Jul 2000- Jun 2001	Jul ¹ 2001	Jul ² 1996- 2000	Jul 2000- Jun 2001
All manufacturing industries.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Durable goods industries.....	-0.2	(NA)	(NA)	-0.1	(NA)	(NA)	0.0	(NA)	(NA)	-0.2	(NA)	(NA)
Wood products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Nonmetallic mineral products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Primary metals.....	-0.1	(NA)	(NA)	0.1	(NA)	(NA)	0.0	(NA)	(NA)	-0.1	(NA)	(NA)
Fabricated metal products.....	-0.1	(NA)	(NA)	-0.2	(NA)	(NA)	-0.2	(NA)	(NA)	-0.1	(NA)	(NA)
Machinery.....	0.2	(NA)	(NA)	0.9	(NA)	(NA)	0.2	(NA)	(NA)	-0.2	(NA)	(NA)
Computers and electronic products.....	0.3	(NA)	(NA)	-0.1	(NA)	(NA)	-0.1	(NA)	(NA)	-0.1	(NA)	(NA)
Electrical equipment, appliances, and components.....	-0.2	(NA)	(NA)	-0.2	(NA)	(NA)	-0.1	(NA)	(NA)	-0.1	(NA)	(NA)
Transportation equipment.....	-0.6	(NA)	(NA)	-0.4	(NA)	(NA)	0.0	(NA)	(NA)	0.0	(NA)	(NA)
Furniture and related products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Miscellaneous products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Nondurable goods industries.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Food products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Beverage and tobacco products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Textiles.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Textile products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Apparel.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Leather and allied products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Paper products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Printing.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Petroleum and coal products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Basic chemicals.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)
Plastics and rubber products.....	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	(NA)	(NA)

(X) Not Applicable

(NA) Not Available

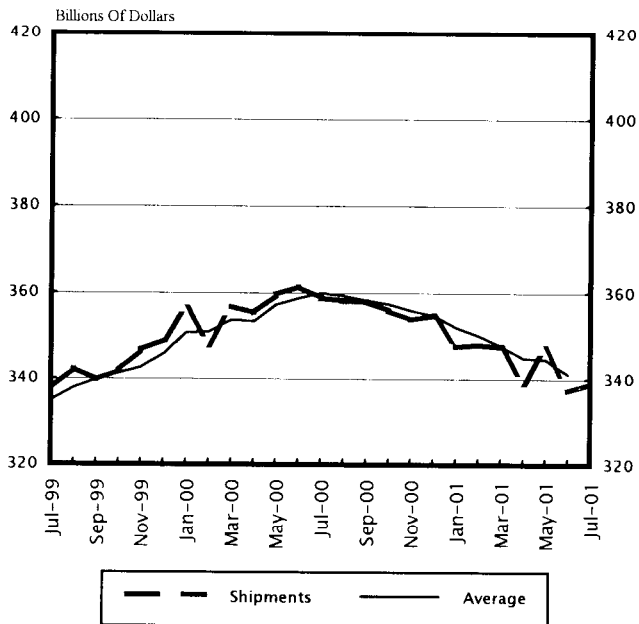
NOTE: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

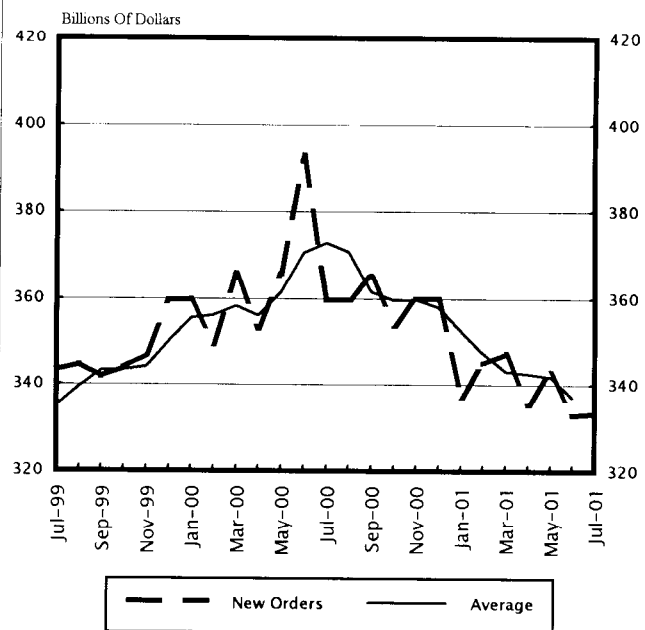
² Average revisions of the current month for the past five years.

See note at end of Table 2 relating to survey error and revision. In Table 8, the second column for each item represents the average revisions of the current month for the past five years.

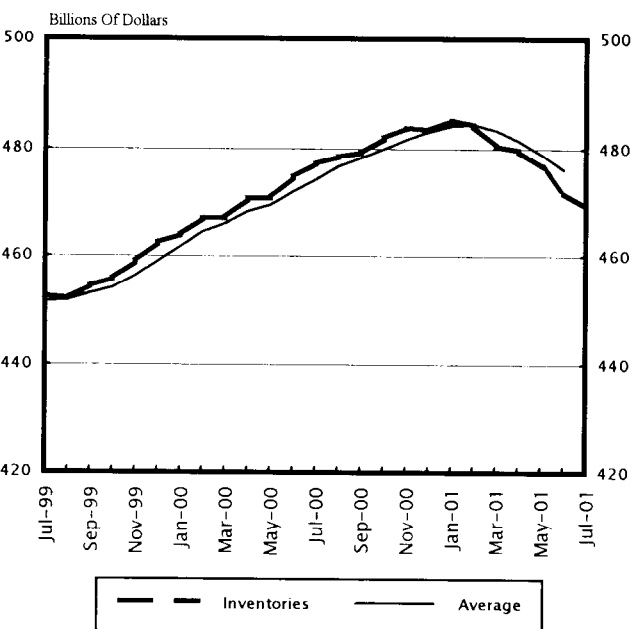
Total Manufacturing
Shipments and Three Month
Moving Average



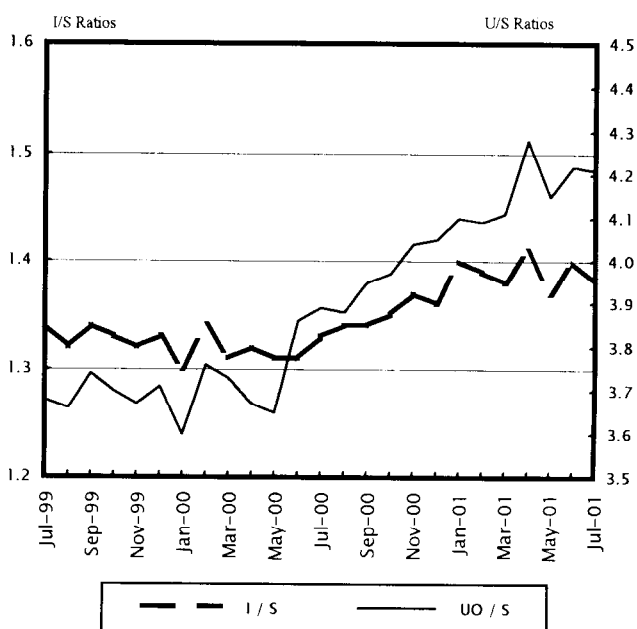
Total Manufacturing
New Orders and Three Month
Moving Average



Total Manufacturing
Total Inventories and Three Month
Moving Average

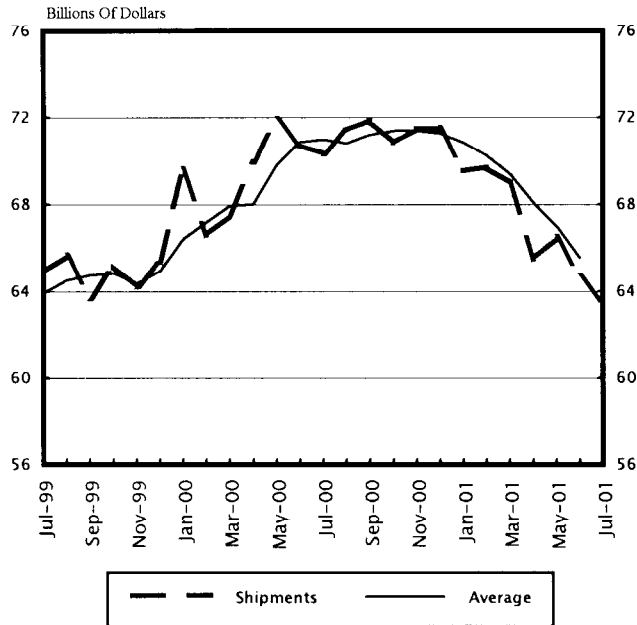


Total Manufacturing
Ratios of Unfilled Orders and Total
Inventories to Shipments

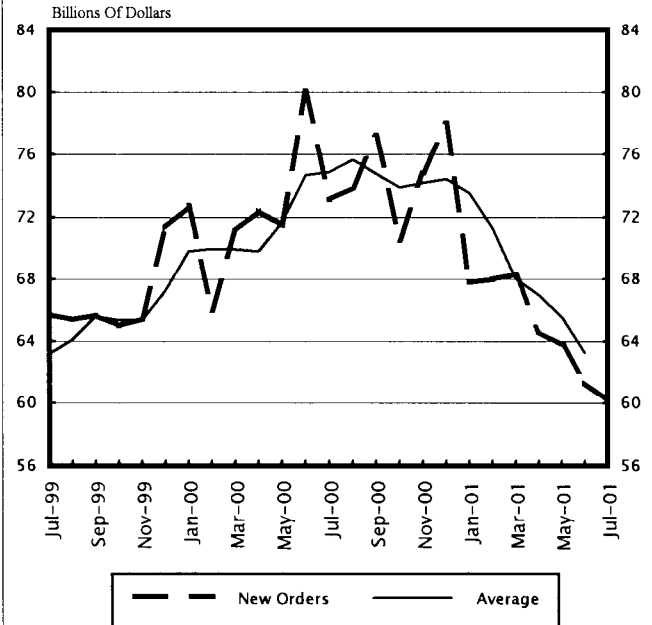


Note: All charts based on seasonally adjusted current dollars.

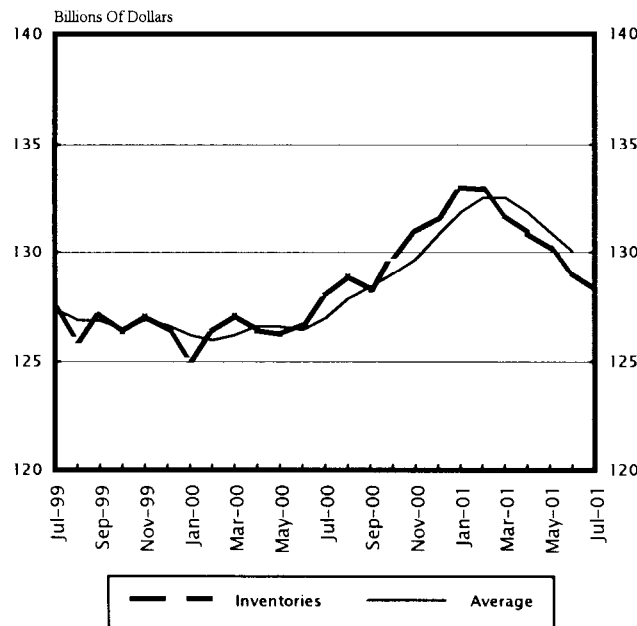
**Nondefense Capital Goods
Shipments and Three Month
Moving Average**



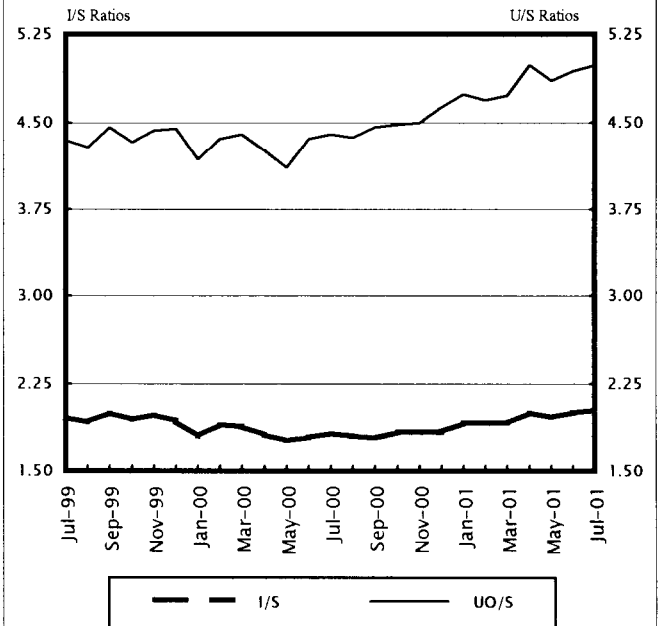
**Nondefense Capital Goods
New Orders and Three Month
Moving Average**



**Nondefense Capital Goods
Total Inventories and Three Month
Moving Average**



**Nondefense Capital Goods
Ratios of Unfilled Orders and Total
Inventories to Shipments**



Note: All charts based on seasonally adjusted current dollars.