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Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Manufacturers' Shipments, Inventories, and Orders

**June 1999**

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For Data - (301) 457-4673  
For Questions - Lee Wentela or Derrick Roy  
(301) 457-4804 or (301) 457-4814

All figures in text are in seasonally adjusted current dollars

## Summary

New orders for manufactured goods in June increased \$2.5 billion or 0.7 percent to \$350.7 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.0 percent May increase and is the tenth increase in the last thirteen months. Excluding transportation, new orders increased 0.5 percent, the fourth increase in the last five months. Year-to-date, new orders are 4.1 percent above the same period a year ago; new orders for the second quarter are 0.2 percent above the first quarter.

Shipments increased \$3.7 billion or 1.0 percent to \$354.3 billion, following a 0.9 percent May increase. This is the tenth increase in the last thirteen months. Year-to-date, shipments are 3.8 percent above the same period a year ago; shipments for the second quarter are 1.7 percent above the first quarter.

Unfilled orders decreased \$3.5 billion or 0.7 percent to \$518.1 billion, following a 0.5 percent May decrease. This is the eleventh decrease in the last fourteen months. The unfilled orders-to-shipments ratio was 2.58, down from 2.59 in May.

Inventories, down seven of the last eight months, decreased \$0.4 billion or 0.1 percent to \$463.3 billion. The inventories-to-shipments ratio was 1.31, down from 1.32 in May.

## New Orders

New orders for manufactured durable goods in June increased \$0.7 billion or 0.4 percent to \$197.3 billion, revised from the previously published 0.3 percent increase. This follows a 1.0 percent May increase and is the tenth increase in the last thirteen months.

Transportation equipment had the largest increase, \$1.1 billion or 2.3 percent to \$46.8 billion; an increase in motor vehicles and parts more than offset a decrease in aircraft and parts. This follows a 9.9 percent May increase and is the sixth increase in the last eight months. Electronic and other electrical equipment increased \$0.8 billion or 2.4 percent to \$34.9 billion, following a 0.9 percent May decrease. Industrial machinery and equipment decreased \$1.9 billion or 5.1 percent to \$35.9 billion, following a 4.5 percent May decrease.

New orders for nondurable goods, up four of the last five months, increased \$1.8 billion or 1.2 percent to \$153.4 billion. This follows a 0.9 percent May increase. Chemicals and allied products and food and kindred products had the largest increases.

## Shipments

Shipments of durable goods in June increased \$1.7 billion or 0.9 percent to \$201.2 billion, unrevised from the previously published 0.9 percent increase. This is the eleventh increase in the last thirteen months.

Transportation equipment had the largest increase, \$1.2 billion or 2.6 percent to \$50.1 billion; an increase in motor vehicles and parts more than offset a decrease in aircraft and parts. This follows a 2.4 percent May increase and is the fourth increase in the last five

months. Electronic and other electrical equipment, up ten of the last thirteen months, increased \$0.3 billion or 0.8 percent to \$34.1 billion. This follows a 0.5 percent May increase. Industrial machinery and equipment, down for the first month since January, decreased \$0.5 billion or 1.3 percent to \$37.0 billion, following a 0.1 percent May increase.

Shipments of nondurable goods increased \$1.9 billion or 1.3 percent to \$153.1 billion. This follows a 0.6 percent May increase and is the fourth increase in the last five months. Chemicals and allied products, up four of the last five months, increased \$0.8 billion or 2.3 percent to \$34.3 billion. Food and kindred products, up nine of the last eleven months, increased \$0.5 billion or 1.3 percent to \$42.0 billion. This follows a 1.9 percent May increase.

## Unfilled Orders

Unfilled orders for durable goods in June decreased \$3.9 billion or 0.8 percent to \$493.9 billion, unrevised from the previously published 0.8 percent decrease. This follows a 0.6 percent May decrease and is the third consecutive decline.

Transportation equipment, down twelve of the last fourteen months, had the largest decrease, \$3.4 billion or 1.4 percent to \$231.9 billion. This follows a 1.3 percent May decrease. Industrial machinery and equipment, down for the first month since November 1998, decreased \$1.2 billion or 1.5 percent to \$77.9 billion. This follows a 0.3 percent May increase. Electronic and other electrical equipment, up seven consecutive months, increased \$0.7 billion or 1.1 percent to \$65.9 billion. This follows a 0.4 percent May increase. Primary metals, up five consecutive months, increased \$0.2 billion or 0.6 percent to \$30.3 billion. This follows a 1.0 percent May increase.

## Inventories

Inventories of durable goods in June decreased \$0.6 billion or 0.2 percent to \$291.9 billion. This follows a slight May decrease and is the seventh decrease in the last eight months.

Transportation equipment had the largest decrease, \$0.4 billion or 0.5 percent to \$71.4 billion. This follows a 0.9 percent May decrease and is the seventh decrease in the last eight months. Instruments and related products decreased \$0.2 billion or 0.8 percent to \$26.4 billion, following a 0.6 percent May decrease. Electronic and other electrical equipment increased \$0.3 billion or 0.6 percent to \$41.1 billion. This follows a 0.7 percent May increase and is the fifth consecutive increase.

Inventories of nondurable goods, up four consecutive months, increased \$0.1 billion or 0.1 percent to \$171.5 billion, following a 0.3 percent May increase.

By stage of fabrication, June finished goods increased 0.5 percent in durables and 0.2 percent in nondurables. Work in process decreased 1.0 percent in durables and increased 0.6 percent in nondurables. Materials and supplies increased 0.2 percent in durables and decreased 0.3 percent in nondurables.

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

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

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998		1999 <sup>p</sup>	1998
All manufacturing industries . . . . .	354,284	350,624	347,568	+1.0	+0.9	-0.4	379,596	349,625	343,780	358,824	+5.8	2,090,791	2,014,429
Manufacturing Industries													
with unfilled orders . . . . .	201,029	201,211	199,287	-0.1	+1.0	0.0	218,696	197,615	193,518	210,897	+3.7	1,191,154	1,152,221
without defense capital goods . . .	347,946	343,955	341,042	+1.2	+0.9	-0.4	372,793	343,142	337,625	351,943	+5.9	2,051,929	1,975,744
Durable goods industries . . . . .	201,169	199,425	197,246	+0.9	+1.1	-0.5	219,513	198,773	194,694	204,742	+7.2	1,193,827	1,129,824
With unfilled orders . . . . .	163,882	164,045	162,442	-0.1	+1.0	0.0	180,504	161,459	157,582	172,345	+4.7	973,166	930,463
Stone, clay, and glass products . . . .	8,588	8,431	8,376	+1.9	+0.7	-1.4	9,302	8,629	8,575	8,712	+6.8	50,004	46,709
Primary metals . . . . .	14,672	14,526	14,225	+1.0	+2.1	-1.9	15,512	14,894	14,731	15,842	-2.1	88,600	95,184
Blast furnaces, steel mills . . . . .	5,617	5,626	5,509	-0.2	+2.1	-2.3	5,941	5,780	5,693	6,425	-7.5	34,331	39,176
Iron and steel foundries . . . . .	1,536	1,504	1,495	+2.1	+0.6	-3.4	1,637	1,581	1,580	1,552	+5.5	9,437	9,371
Nonferrous and other primary metals . . . . .	7,519	7,396	7,221	+1.7	+2.4	-1.4	7,934	7,533	7,458	7,865	+0.9	44,832	46,637
Fabricated metal products . . . . .	20,563	20,411	20,416	+0.7	0.0	0.0	21,785	20,751	20,541	20,951	+4.0	123,493	118,733
Industrial machinery and equipment . .	37,036	37,519	37,464	-1.3	+0.1	+1.3	43,790	36,517	35,872	44,856	-2.4	225,825	225,240
Engines and turbines . . . . .	2,457	2,498	2,405	-1.6	+3.9	+5.3	2,906	2,510	2,263	2,829	+2.7	14,469	13,569
Farm and garden machinery . . . . .	1,764	1,807	1,908	-2.4	-5.3	-4.7	1,805	2,149	2,688	2,224	-18.8	13,407	14,686
Construction, mining and material handling equipment . . . . .	3,902	3,814	3,939	+2.3	-3.2	-4.8	4,352	3,833	4,051	4,996	-12.9	24,429	26,192
Metalworking machinery . . . . .	3,493	3,663	3,444	-4.6	+6.4	-0.6	3,848	3,631	3,157	3,836	+0.3	20,409	20,113
Computer and office equipment . . . .	11,048	11,536	11,769	-4.2	-2.0	+6.2	14,860	10,002	9,285	15,262	-2.6	66,450	63,106
Electronic and other electrical equipment . . . . .	34,123	33,836	33,655	+0.8	+0.5	+1.9	37,498	32,345	30,994	33,909	+10.6	195,345	178,555
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,696	3,817	3,730	-3.2	+2.3	-1.3	4,067	3,735	3,694	3,986	+2.0	22,504	21,913
Household appliances . . . . .	2,347	2,343	2,402	+0.2	-2.5	+2.7	2,735	2,341	2,399	2,467	+10.9	14,219	12,412
Electric lighting and wiring equipment . . . . .	2,502	2,378	2,280	+5.2	+4.3	-1.5	2,600	2,343	2,176	2,243	+15.9	13,893	13,249
Household audio and video equipment . . . . .	1,067	1,092	1,083	-2.3	+0.8	+5.0	990	946	911	957	+3.4	5,720	5,502
Communications equipment . . . . .	8,664	8,374	8,240	+3.5	+1.6	+2.4	10,372	7,669	7,030	8,593	+20.7	47,289	40,077
Electronic components . . . . .	13,555	13,527	13,645	+0.2	-0.9	+3.6	14,368	13,028	12,724	13,520	+6.3	78,757	73,183
Transportation equipment . . . . .	50,140	48,891	47,755	+2.6	+2.4	-3.1	52,252	50,363	49,661	43,265	+20.8	299,234	266,585
Motor vehicles and parts . . . . .	35,024	32,717	32,209	+7.1	+1.6	-3.2	36,079	34,588	34,451	27,659	+30.4	207,451	183,323
Aircraft, missiles, space vehicles, and parts . . . . .	11,361	12,741	12,248	-10.8	+4.0	+1.2	12,077	12,353	11,925	11,866	+1.8	71,222	64,896
Shipbuilding and tanks . . . . .	1,017	999	947	+1.8	+5.5	-12.6	1,115	979	939	1,077	+3.5	5,818	5,459
Instruments and related products . . . .	14,556	14,309	14,210	+1.7	+0.7	-2.4	16,086	13,940	13,463	15,641	+2.8	85,385	83,647
Search and navigation equipment . . . .	3,196	3,200	3,109	-0.1	+2.9	-2.1	3,464	3,062	2,966	3,321	+4.3	18,777	17,969
Measuring and controlling devices . . .	4,133	4,077	4,081	+1.4	-0.1	-0.3	4,459	4,059	3,859	4,350	+2.5	24,610	24,698
Medical instruments and supplies . . . .	4,881	4,761	4,711	+2.5	+1.1	-5.1	5,456	4,551	4,382	5,179	+5.3	28,485	26,746
Photographic goods . . . . .	1,865	1,780	1,818	+4.8	-2.1	-0.8	2,176	1,766	1,754	2,274	-4.3	10,589	11,488
All other durable goods . . . . .	21,491	21,502	21,145	-0.1	+1.7	+0.4	23,288	21,334	20,857	21,566	+8.0	125,941	115,171
Nondurable goods industries . . . . .	153,115	151,199	150,322	+1.3	+0.6	-0.3	160,083	150,852	149,086	154,082	+3.9	896,964	884,605
With unfilled orders . . . . .	37,147	37,166	36,845	-0.1	+0.9	-0.1	38,192	36,156	35,936	38,552	-0.9	217,988	221,758
Food and kindred products . . . . .	42,033	41,494	40,733	+1.3	+1.9	-2.2	43,127	41,560	39,627	41,619	+3.6	246,013	240,422
Meat products . . . . .	9,039	8,700	8,598	+3.9	+1.2	+0.1	9,333	8,866	8,406	8,954	+4.2	51,601	51,721
Dairy products . . . . .	6,476	6,413	6,096	+1.0	+5.2	-8.6	6,632	6,447	5,802	6,417	+3.4	38,708	35,874
Beverages . . . . .	6,303	6,260	6,320	+0.7	-0.9	+0.9	7,152	6,675	6,358	6,940	+3.1	37,422	36,193
All other foods, except fats and oils . .	18,393	18,317	17,897	+0.4	+2.3	-1.6	18,188	17,768	17,239	17,267	+5.3	106,997	104,061
Tobacco products . . . . .	4,216	4,063	4,071	+3.8	-0.2	-1.9	4,501	4,072	3,840	3,677	+22.4	24,793	20,218
Textile mill products . . . . .	6,425	6,533	6,561	-1.7	-0.4	+3.1	6,994	6,610	6,311	7,255	-3.6	38,686	40,969
Broadwoven fabrics and other textiles . . . . .	3,732	3,761	3,783	-0.8	-0.6	+4.6	4,026	3,829	3,670	4,340	-7.2	22,652	25,294
Paper and allied products . . . . .	13,420	13,394	13,387	+0.2	+0.1	-0.1	14,041	13,258	13,138	14,452	-2.8	80,612	83,544
Pulp, paper, and paperboard mill products . . . . .	5,011	5,043	5,065	-0.6	-0.4	-0.7	5,165	4,942	4,980	5,473	-5.6	30,494	32,533
Paperboard containers and boxes . . .	3,320	3,268	3,288	+1.6	-0.6	+0.6	3,440	3,297	3,296	3,774	-8.9	19,993	21,778
Miscellaneous converted paper products . . . . .	5,089	5,083	5,034	+0.1	+1.0	0.0	5,436	5,019	4,862	5,205	+4.4	30,125	29,233
Chemicals and allied products . . . . .	34,347	33,580	33,575	+2.3	0.0	0.0	36,865	33,721	34,533	34,935	+5.5	203,976	199,163
Industrial chemicals . . . . .	15,007	14,657	14,451	+2.4	+1.4	-0.9	16,069	14,787	14,766	15,943	+0.8	89,784	93,207
Drugs, soaps, and toiletries . . . . .	15,418	15,100	15,345	+2.1	-1.6	+2.7	16,272	14,050	14,658	14,574	+11.7	88,042	79,161
Petroleum and coal products . . . . .	13,439	13,045	13,042	+3.0	0.0	+5.3	14,363	13,758	13,221	12,965	+10.8	72,732	74,425
Rubber and plastics products . . . . .	13,709	13,484	13,442	+1.7	+0.3	-1.9	14,600	13,865	13,910	13,817	+5.7	82,893	80,189
All other nondurable goods . . . . .	25,526	25,606	25,511	-0.3	+0.4	-0.1	25,592	24,008	24,506	25,362	+0.9	147,259	145,675

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> 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 <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998		1999 <sup>p</sup>	1998
											June 99/98		
All manufacturing industries . . . . .	350,738	348,259	344,915	+0.7	+1.0	-1.4	370,733	344,067	345,401	349,890	+6.0	2,093,205	2,010,040
Manufacturing industries													
with unfilled orders . . . . .	197,483	198,846	196,634	-0.7	+1.1	-1.7	209,833	192,057	195,139	201,963	+3.9	1,193,568	1,147,832
without defense capital goods . . . . .	345,197	342,240	339,855	+0.9	+0.7	-0.6	365,496	339,113	340,358	344,301	+6.2	2,055,413	1,973,905
Durable goods industries . . . . .	197,317	196,609	194,674	+0.4	+1.0	-2.4	210,030	192,553	196,132	196,102	+7.1	1,194,428	1,125,413
With unfilled orders . . . . .	160,030	161,229	159,870	-0.7	+0.9	-2.3	171,021	155,239	159,020	163,705	+4.5	973,767	926,052
Stone, clay, and glass products . . . . .	8,516	8,388	8,266	+1.5	+1.5	-3.7	9,210	8,566	8,439	8,859	+4.0	50,025	46,982
Primary metals . . . . .	14,867	14,811	14,767	+0.4	+0.3	+1.6	15,062	14,691	15,068	14,514	+3.8	90,192	93,761
Blast furnaces, steel mills . . . . .	5,902	5,862	5,846	+0.7	+0.3	+0.5	5,834	5,825	5,987	5,682	+2.7	35,729	38,776
Iron and steel foundries . . . . .	1,405	1,360	1,511	+3.3	-10.0	+10.5	1,431	1,332	1,553	1,333	+7.4	8,912	9,562
Nonferrous and other primary metals . . . . .	7,560	7,589	7,410	-0.4	+2.4	+0.7	7,797	7,534	7,528	7,499	+4.0	45,551	45,423
Fabricated metal products . . . . .	20,508	20,210	20,071	+1.5	+0.7	-1.6	21,705	20,566	20,224	20,951	+3.6	123,656	119,578
Industrial machinery and equipment . . . . .	35,870	37,780	39,556	-5.1	-4.5	+3.2	41,762	36,763	37,830	43,007	-2.9	228,578	223,782
Engines and turbines . . . . .	1,938	2,816	4,358	-31.2	-35.4	+20.9	2,387	2,733	3,875	2,524	-5.4	17,242	11,947
Construction, mining and material handling equipment . . . . .	3,635	3,723	3,872	-2.4	-3.8	-1.4	3,871	3,627	3,898	4,794	-19.3	23,942	27,198
Metalworking machinery . . . . .	3,379	3,682	3,609	-8.2	+2.0	+6.4	3,734	3,650	3,322	3,729	+0.1	20,652	20,236
Computer and office equipment . . . . .	11,069	11,619	11,565	-4.7	+0.5	+1.8	14,669	10,414	9,256	15,123	-3.0	66,645	63,396
Electronic and other electrical equipment . . . . .	34,869	34,067	34,364	+2.4	-0.9	+0.3	35,672	30,303	35,334	30,788	+15.9	200,679	180,540
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,709	3,872	3,742	-4.2	+3.5	-2.5	3,985	3,769	3,698	3,946	+1.0	22,742	21,860
Electric lighting and wiring equipment . . . . .	2,586	2,231	2,372	+15.9	-5.9	+1.6	2,684	2,196	2,268	2,163	+24.1	14,077	13,559
Communications equipment . . . . .	8,910	8,372	8,201	+6.4	+2.1	-2.5	10,595	7,674	6,976	8,617	+23.0	48,448	43,105
Electronic components . . . . .	13,886	14,101	14,379	-1.5	-1.9	+3.0	12,301	11,459	17,155	10,597	+16.1	82,662	71,921
Transportation equipment . . . . .	46,782	45,728	41,616	+2.3	+9.9	-12.5	48,163	46,165	43,580	41,140	+17.1	288,617	263,388
Aircraft, missiles, space vehicles, and parts . . . . .	9,131	10,377	7,219	-12.0	+43.7	-30.4	9,136	9,237	7,193	9,059	+0.8	62,600	63,177
Shipbuilding and tanks . . . . .	613	579	639	+5.9	-9.4	-67.9	808	548	648	1,835	-56.0	6,228	5,061
Instruments and related products . . . . .	14,352	14,370	14,825	-0.1	-3.1	+2.9	15,385	14,055	14,340	15,244	+0.9	85,820	82,098
Search and navigation equipment . . . . .	3,130	3,107	3,534	+0.7	-12.1	+10.9	3,363	2,835	3,463	3,481	-3.4	19,096	17,035
Measuring and controlling devices . . . . .	4,086	4,031	4,048	+1.4	-0.4	-2.3	4,412	4,013	3,826	4,162	+6.0	24,750	23,969
Medical instruments and supplies . . . . .	4,817	5,006	5,000	-3.8	+0.1	+4.1	4,932	4,970	4,912	4,879	+1.1	28,594	27,207
All other durable goods . . . . .	21,553	21,255	21,209	+1.4	+0.2	-0.4	23,071	21,444	21,317	21,599	+6.8	126,861	115,284
Nondurable goods industries . . . . .	153,421	151,650	150,241	+1.2	+0.9	-0.1	160,703	151,514	149,269	153,788	+4.5	898,777	884,627
With unfilled orders . . . . .	37,453	37,617	36,764	-0.4	+2.3	+0.8	38,812	36,818	36,119	38,258	+1.4	219,801	221,780

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> 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 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. For details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1 "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

**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 June 99/98
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May- June	Apr.- May	Mar.- Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998	
All manufacturing industries . . . . .	518,092	521,638	524,003	-0.7	-0.5	-0.5	515,400	524,263	529,821	527,169	-2.2
Manufacturing industries without defense capital goods . . . . .	423,914	426,663	428,378	-0.6	-0.4	-0.3	420,757	428,054	432,083	427,503	-1.6
Durable goods industries . . . . .	493,942	497,794	500,610	-0.8	-0.6	-0.5	490,641	500,124	506,344	501,923	-2.2
Stone, clay, and glass products . . . . .	6,062	6,134	6,177	-1.2	-0.7	-1.7	6,092	6,184	6,247	6,449	-5.5
Primary metals . . . . .	30,335	30,140	29,855	+0.6	+1.0	+1.8	30,439	30,889	31,092	32,915	-7.5
Blast furnaces, steel mills . . . . .	12,358	12,073	11,837	+2.4	+2.0	+2.9	12,433	12,540	12,495	13,958	-10.9
Iron and steel foundries . . . . .	4,843	4,974	5,118	-2.6	-2.8	+0.3	4,827	5,033	5,282	5,667	-14.8
Nonferrous and other primary metals . . . . .	13,134	13,093	12,900	+0.3	+1.5	+1.5	13,179	13,316	13,315	13,290	-0.8
Fabricated metal products . . . . .	25,513	25,568	25,769	-0.2	-0.8	-1.3	25,597	25,677	25,862	27,195	-5.9
Industrial machinery and equipment . . . . .	77,943	79,109	78,848	-1.5	+0.3	+2.7	77,194	79,222	78,976	71,967	+7.3
Engines and turbines . . . . .	22,184	22,703	22,385	-2.3	+1.4	+9.6	21,498	22,017	21,794	10,912	+97.0
Construction, mining and material handling equipment . . . . .	9,069	9,336	9,427	-2.9	-1.0	-0.7	9,146	9,627	9,833	11,372	-19.6
Metalworking machinery . . . . .	6,689	6,803	6,784	-1.7	+0.3	+2.5	6,689	6,803	6,784	7,272	-8.0
Computer and office equipment . . . . .	8,089	8,068	7,985	+0.3	+1.0	-2.5	8,136	8,327	7,915	7,922	+2.7
Electronic and other electrical equipment . . . . .	65,929	65,183	64,952	+1.1	+0.4	+1.1	63,140	64,966	67,008	55,291	+14.2
Electrical transmission and distribution equipment and industrial apparatus . . . . .	6,419	6,406	6,351	+0.2	+0.9	+0.2	6,419	6,501	6,467	6,465	-0.7
Electric lighting and wiring equipment . . . . .	5,206	5,122	5,269	+1.6	-2.8	+1.8	5,206	5,122	5,269	5,237	-0.6
Communications equipment . . . . .	18,247	18,001	18,003	+1.4	0.0	-0.2	18,216	17,993	17,988	17,359	+4.9
Electronic components . . . . .	30,195	29,864	29,290	+1.1	+2.0	+2.6	27,560	29,627	31,196	20,278	+35.9
Transportation equipment . . . . .	231,915	235,273	238,436	-1.4	-1.3	-2.5	231,967	236,056	240,254	251,320	-7.7
Aircraft, missiles, space vehicles, and parts. . . . .	195,133	197,363	199,727	-1.1	-1.2	-2.5	195,386	198,327	201,443	216,401	-9.7
Shipbuilding and tanks . . . . .	19,659	20,063	20,483	-2.0	-2.1	-1.5	19,732	20,039	20,470	18,032	+9.4
Instruments and related products . . . . .	47,743	47,947	47,886	-0.4	+0.1	+1.3	47,620	48,321	48,206	48,580	-2.0
Search and navigation equipment . . . . .	26,504	26,570	26,663	-0.2	-0.3	+1.6	26,747	26,848	27,075	28,309	-5.5
Measuring and controlling devices . . . . .	10,325	10,372	10,418	-0.5	-0.4	-0.3	10,325	10,372	10,418	10,124	+2.0
Medical instruments and supplies . . . . .	10,080	10,144	9,899	-0.6	+2.5	+3.0	9,695	10,219	9,800	8,885	+9.1
All other durable goods . . . . .	8,502	8,440	8,687	+0.7	-2.8	+0.7	8,592	8,809	8,699	8,206	+4.7
Nondurable goods industries . . . . .	24,150	23,844	23,393	+1.3	+1.9	-0.3	24,759	24,139	23,477	25,246	-1.9

<sup>p</sup> Preliminary. <sup>r</sup> 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 June 99/98
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May- June	Apr.- May	Mar.- Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998	
All manufacturing industries . . . . .	463,316	463,742	463,194	-0.1	+0.1	-0.1	461,207	467,701	465,450	464,495	-0.7
Manufacturing industries with unfilled orders . . . . .	308,013	308,646	309,172	-0.2	-0.2	-0.2	307,835	312,492	311,178	312,810	-1.6
without defense capital goods . . . . .	445,154	445,316	444,828	0.0	+0.1	0.0	442,978	449,042	447,150	445,960	-0.7
Durable goods industries . . . . .	291,853	292,403	292,415	-0.2	0.0	-0.3	290,526	295,610	294,019	293,750	-1.1
With unfilled orders . . . . .	267,161	268,064	268,271	-0.3	-0.1	-0.2	266,649	271,390	269,808	271,139	-1.7
Stone, clay, and glass products . . . . .	9,445	9,388	9,237	+0.6	+1.6	-0.2	9,570	9,644	9,443	9,225	+3.7
Primary metals . . . . .	23,636	23,758	23,651	-0.5	+0.5	-0.3	23,485	23,716	23,527	24,464	-4.0
Blast furnaces, steel mills . . . . .	11,456	11,599	11,574	-1.2	+0.2	-0.2	11,257	11,443	11,321	11,949	-5.8
Iron and steel foundries . . . . .	1,612	1,617	1,616	-0.3	+0.1	-0.6	1,638	1,665	1,674	1,590	+3.0
Nonferrous and other primary metals . . . . .	10,568	10,542	10,461	+0.2	+0.8	-0.4	10,590	10,608	10,532	10,925	-3.1
Fabricated metal products . . . . .	30,798	31,006	30,887	-0.7	+0.4	+0.2	31,105	31,373	31,201	31,071	+0.1
Industrial machinery and equipment . . . . .	60,163	60,331	60,483	-0.3	-0.3	-0.5	59,558	61,320	61,050	60,233	-1.1
Engines and turbines . . . . .	4,260	4,358	4,353	-2.2	+0.1	+2.8	4,152	4,496	4,419	3,967	+4.7
Farm and garden machinery . . . . .	3,609	3,628	3,644	-0.5	-0.4	-2.3	3,385	3,472	3,629	3,440	-1.6
Construction, mining and material handling equipment . . . . .	8,880	8,973	9,024	-1.0	-0.6	-0.6	8,904	9,103	9,152	8,735	+1.9
Metalworking machinery . . . . .	8,126	8,055	8,078	+0.9	-0.3	+1.0	8,086	8,206	8,132	7,557	+7.0
Computer and office equipment . . . . .	9,134	8,958	8,958	+2.0	0.0	-2.4	9,018	9,391	9,113	9,748	-7.5
Electronic and other electrical equipment . . . . .	41,084	40,825	40,542	+0.6	+0.7	+0.5	41,127	41,720	41,138	40,751	+0.9
Electrical transmission and distribution equipment and industrial apparatus . . . . .	5,209	5,246	5,301	-0.7	-1.0	+0.3	5,124	5,272	5,326	5,259	-2.6
Household appliances . . . . .	2,417	2,437	2,402	-0.8	+1.5	+0.3	2,457	2,647	2,560	2,367	+3.8
Electric lighting and wiring equipment . . . . .	3,566	3,534	3,532	+0.9	+0.1	+0.9	3,600	3,604	3,577	3,438	+4.7
Household audio and video equipment . . . . .	1,020	981	964	+4.0	+1.8	+0.5	1,049	961	916	975	+7.6
Communications equipment . . . . .	10,753	10,670	10,557	+0.8	+1.1	-0.3	10,641	11,002	10,750	10,278	+3.5
Electronic components . . . . .	14,531	14,479	14,271	+0.4	+1.5	+1.8	14,578	14,721	14,461	14,777	-1.3
Transportation equipment . . . . .	71,415	71,788	72,458	-0.5	-0.9	-1.3	70,422	71,987	72,314	73,728	-4.5
Motor vehicles and parts . . . . .	17,567	17,233	17,082	+1.9	+0.9	-2.0	17,138	17,170	17,100	16,553	+3.5
Aircraft, missiles, space vehicles, and parts . . . . .	47,958	48,659	49,473	-1.4	-1.6	-1.4	47,429	48,816	49,266	51,656	-8.2
Shipbuilding and tanks . . . . .	2,139	2,078	2,099	+2.9	-1.0	+2.0	2,137	2,093	2,133	1,761	+21.4
Instruments and related products . . . . .	26,419	26,644	26,810	-0.8	-0.6	+0.4	26,568	27,074	27,087	26,854	-1.1
Search and navigation equipment . . . . .	6,661	6,775	6,825	-1.7	-0.7	+0.1	6,737	6,922	6,927	6,827	-1.3
Measuring and controlling devices . . . . .	8,006	7,971	7,977	+0.4	-0.1	+0.3	8,102	8,038	8,067	8,255	-1.9
Medical instruments and supplies . . . . .	8,615	8,670	8,687	-0.6	-0.2	+1.3	8,602	8,806	8,724	8,426	+2.1
Photographic goods . . . . .	2,418	2,506	2,556	-3.5	-2.0	-1.4	2,403	2,576	2,591	2,633	-8.7
All other durable goods . . . . .	28,893	28,663	28,347	+0.8	+1.1	+0.2	28,691	28,776	28,259	27,424	+4.6
Nondurable goods industries . . . . .	171,463	171,339	170,779	+0.1	+0.3	+0.3	170,681	172,091	171,431	170,745	0.0
With unfilled orders . . . . .	40,852	40,582	40,901	+0.7	-0.8	-0.5	41,186	41,102	41,370	41,671	-1.2
Food and kindred products . . . . .	38,150	38,182	37,978	-0.1	+0.5	+0.7	36,636	37,028	37,354	35,844	+2.2
Meat products . . . . .	4,243	4,211	4,215	+0.8	-0.1	+0.7	4,316	4,327	4,349	4,143	+4.2
Dairy products . . . . .	3,873	3,885	3,877	-0.3	+0.2	-0.8	3,937	3,978	3,992	3,813	+3.3
Beverages . . . . .	8,828	8,776	8,656	+0.6	+1.4	+1.8	8,678	8,762	8,690	7,978	+8.8
All other foods, except fats and oils . . . . .	19,478	19,564	19,455	-0.4	+0.6	+0.9	18,060	18,264	18,556	18,139	-0.4
Tobacco products . . . . .	5,218	5,308	5,343	-1.7	-0.7	-0.4	4,750	5,054	5,228	5,276	-10.0
Textile mill products . . . . .	10,143	10,051	10,086	+0.9	-0.3	+0.1	10,212	10,340	10,334	10,327	-1.1
Broadwoven fabrics and other textiles . . . . .	6,211	6,186	6,215	+0.4	-0.5	-0.3	6,195	6,324	6,338	6,346	-2.4
Paper and allied products . . . . .	16,063	16,023	15,994	+0.2	+0.2	-0.5	16,041	16,217	16,188	16,462	-2.6
Pulp, paper, and paperboard mill products . . . . .	6,498	6,513	6,499	-0.2	+0.2	-1.0	6,440	6,557	6,531	6,647	-3.1
Paperboard containers and boxes . . . . .	3,940	3,926	3,924	+0.4	+0.1	-0.4	3,943	3,955	3,977	4,300	-8.3
Miscellaneous converted paper products . . . . .	5,625	5,584	5,571	+0.7	+0.2	0.0	5,658	5,705	5,680	5,515	+2.6
Chemicals and allied products . . . . .	46,865	46,929	46,362	-0.1	+1.2	+1.0	46,870	47,565	46,794	46,035	+1.8
Industrial chemicals . . . . .	19,152	19,234	19,116	-0.4	+0.6	-0.2	19,015	19,254	19,099	20,248	-6.1
Drugs, soaps, and toiletries . . . . .	21,835	21,780	21,344	+0.3	+2.0	+2.1	22,218	22,448	21,571	20,518	+8.3
Petroleum and coal products . . . . .	10,725	10,706	10,688	+0.2	+0.2	+1.4	10,912	11,040	10,814	11,094	-1.6
Rubber and plastics products . . . . .	16,883	16,902	16,794	-0.1	+0.6	+0.8	16,930	17,093	16,996	16,743	+1.1
All other nondurable goods . . . . .	27,416	27,238	27,534	+0.7	-1.1	-1.1	28,330	27,754	27,723	28,964	-2.2

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

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

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May-June	Apr.-May	Mar.-Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998		June 99/98	1999 <sup>p</sup>
SHIPMENTS													
All manufacturing industries . . . . .	354,284	350,624	347,568	+1.0	+0.9	-0.4	379,596	349,625	343,780	358,824	+5.8	2,090,791	2,014,429
Market categories :													
Automotive equipment . . . . .	17,044	15,936	15,614	+7.0	+2.1	-3.7	17,725	16,731	16,514	13,796	+28.5	100,405	88,447
Home goods and apparel . . . . .	19,661	19,986	20,303	-1.6	-1.6	+2.6	20,608	18,947	19,419	19,997	+3.1	116,318	110,613
Consumer staples . . . . .	73,791	72,565	72,015	+1.7	+0.8	-0.1	76,848	71,794	69,943	71,757	+7.1	425,252	406,602
Machinery and equipment . . . . .	68,441	68,250	67,513	+0.3	+1.1	-0.7	77,652	66,726	65,074	73,874	+5.1	405,735	383,143
Business supplies . . . . .	26,373	26,309	25,865	+0.2	+1.7	-1.4	27,686	26,149	26,084	26,661	+3.8	155,612	151,807
Construction materials and supplies . . . . .	23,264	22,860	22,750	+1.8	+0.5	+0.3	25,122	23,314	22,874	23,494	+6.9	134,961	127,574
Defense products . . . . .	6,623	6,845	6,737	-3.2	+1.6	-2.5	7,094	6,650	6,418	7,207	-1.6	40,345	40,799
Other materials, supplies and and intermediate products . . . . .	119,087	117,873	116,771	+1.0	+0.9	-0.3	126,861	119,314	117,454	122,038	+4.0	712,163	705,444
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	54,460	55,543	54,731	-1.9	+1.5	+0.9	63,699	52,908	50,753	61,884	+2.9	322,523	304,738
Excluding aircraft and parts . . . . .	46,409	46,376	46,016	+0.1	+0.8	+0.8	55,131	44,039	42,119	53,557	+2.9	271,989	260,361
Defense capital goods <sup>4</sup> . . . . .	6,338	6,669	6,526	-5.0	+2.2	-2.2	6,803	6,483	6,155	6,881	-1.1	38,862	38,685
Durables excluding capital goods . . . . .	140,371	137,213	135,989	+2.3	+0.9	-1.0	149,011	139,382	137,786	135,977	+9.6	832,442	786,401
Miscellaneous series :													
Producers' durable equipment . . . . .	131,975	130,255	129,328	+1.3	+0.7	-0.6	145,802	129,697	127,526	134,328	+8.5	785,837	734,214
Household durable goods . . . . .	10,193	10,418	10,499	-2.2	-0.8	+3.2	10,852	10,019	10,183	10,157	+6.8	60,792	54,737
Information technology industries . . . . .	26,680	26,715	26,846	-0.1	-0.5	+3.4	32,873	24,411	22,857	31,310	+5.0	154,491	144,035
Health care equipment and products . . . . .	13,244	12,954	13,029	+2.2	-0.6	-0.4	14,281	12,191	12,340	13,091	+9.1	76,301	69,791
NEW ORDERS													
All manufacturing industries . . . . .	350,738	348,259	344,915	+0.7	+1.0	-1.4	370,733	344,067	345,401	349,890	+6.0	2,093,205	2,010,040
Market categories :													
Automotive equipment . . . . .	17,059	15,944	15,584	+7.0	+2.3	-3.8	17,707	16,674	16,441	13,765	+28.6	100,436	88,329
Home goods and apparel . . . . .	19,589	19,610	20,341	-0.1	-3.6	+1.6	20,360	18,730	19,628	20,048	+1.6	117,008	110,499
Consumer staples . . . . .	73,832	72,661	72,008	+1.6	+0.9	-0.2	77,138	71,899	69,927	71,952	+7.2	425,675	406,765
Machinery and equipment . . . . .	65,409	66,065	65,183	-1.0	+1.4	-2.5	73,491	64,815	63,342	71,748	+2.4	401,636	385,999
Business supplies . . . . .	26,372	26,387	25,889	-0.1	+1.9	-1.7	27,685	26,448	26,237	26,759	+3.5	156,392	152,377
Construction materials and supplies . . . . .	23,288	22,723	22,767	+2.5	-0.2	-0.1	25,131	23,173	22,910	23,448	+7.2	135,605	128,293
Defense products . . . . .	5,817	6,090	5,331	-4.5	+14.2	-34.0	5,564	5,042	5,294	6,081	-8.5	39,103	37,633
Other materials, supplies and and intermediate products . . . . .	119,372	118,779	117,812	+0.5	+0.8	+0.4	123,657	117,286	121,622	116,089	+6.5	717,350	700,145
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	50,765	53,041	52,525	-4.3	+1.0	-1.5	59,170	50,399	48,507	59,785	-1.0	317,316	305,832
Excluding aircraft and parts . . . . .	44,318	46,057	47,437	-3.8	-2.9	+0.3	52,206	43,713	43,500	52,208	0.0	274,593	261,237
Defense capital goods <sup>4</sup> . . . . .	5,541	6,019	5,060	-7.9	+19.0	-34.9	5,237	4,954	5,043	5,589	-6.3	37,792	36,135
Durables excluding capital goods . . . . .	141,011	137,549	137,089	+2.5	+0.3	-0.9	145,623	137,200	142,582	130,728	+11.4	839,320	783,446
Miscellaneous series :													
Producers' durable equipment . . . . .	129,348	127,656	126,350	+1.3	+1.0	-2.1	141,430	127,219	124,839	131,701	+7.4	781,038	735,956
Household durable goods . . . . .	10,179	10,052	10,481	+1.3	-4.1	+0.3	10,678	9,753	10,238	10,166	+5.0	61,044	54,246
Information technology industries . . . . .	26,872	26,703	26,616	+0.6	+0.3	+0.3	32,826	24,731	22,760	31,359	+4.7	156,308	146,558
Health care equipment and products . . . . .	13,181	13,199	13,318	-0.1	-0.9	+3.1	13,759	12,611	12,872	12,792	+7.6	76,415	70,254

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

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

<sup>3</sup> Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and air conditioning equipment; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

<sup>4</sup> Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

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

**Table 6. VALUE OF MANUFACTURERS' UNFILED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change June 99/98
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May- June	Apr.- May	Mar.- Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998	
UNFILLED ORDERS											
All manufacturing industries . . . . .	518,092	521,638	524,003	-0.7	-0.5	-0.5	515,400	524,263	529,821	527,169	-2.2
Market categories :											
Automotive equipment . . . . .	2,501	2,486	2,479	+0.6	+0.3	-1.2	2,436	2,454	2,511	2,368	+2.9
Home goods and apparel . . . . .	8,903	8,975	9,351	-0.8	-4.0	+0.4	9,001	9,249	9,467	8,444	+6.6
Consumer staples . . . . .	2,657	2,616	2,520	+1.6	+3.8	-0.3	2,686	2,396	2,291	2,212	+21.4
Machinery and equipment . . . . .	236,701	239,733	241,918	-1.3	-0.9	-1.0	236,470	240,632	242,544	245,599	-3.7
Business supplies . . . . .	7,137	7,138	7,061	0.0	+1.1	+0.4	7,301	7,301	7,002	7,002	+4.3
Construction materials and supplies . . . . .	17,744	17,721	17,858	+0.1	-0.8	+0.1	17,884	17,876	18,017	18,345	-2.5
Defense products . . . . .	89,328	90,134	90,890	-0.9	-0.8	-1.5	89,673	91,203	92,812	94,379	-5.0
Other materials, supplies and and intermediate products . . . . .	153,121	152,835	151,926	+0.2	+0.6	+0.7	149,949	153,152	155,177	148,820	+0.8
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	252,429	256,124	258,626	-1.4	-1.0	-0.8	251,875	256,404	258,913	262,310	-4.0
Excluding aircraft and parts . . . . .	109,735	111,826	112,145	-1.9	-0.3	+1.3	109,181	112,106	112,432	104,048	+4.9
Defense capital goods <sup>4</sup> . . . . .	94,178	94,975	95,625	-0.8	-0.7	-1.5	94,643	96,209	97,738	99,666	-5.0
Durables excluding capital goods . . . . .	147,335	146,695	146,359	+0.4	+0.2	+0.8	144,123	147,511	149,693	139,947	+3.0
Miscellaneous series :											
Producers' durable equipment . . . . .	275,856	278,483	281,082	-0.9	-0.9	-1.0	274,705	279,077	281,555	284,856	-3.6
Household durable goods . . . . .	5,531	5,545	5,911	-0.3	-6.2	-0.3	5,413	5,587	5,853	5,292	+2.3
Information technology industries . . . . .	40,900	40,708	40,720	+0.5	0.0	-0.6	40,933	40,980	40,660	40,493	+1.1
Health care equipment and products . . . . .	10,122	10,185	9,940	-0.6	+2.5	+3.0	9,738	10,260	9,841	8,928	+9.1
TOTAL INVENTORIES											
All manufacturing industries . . . . .	463,316	463,742	463,194	-0.1	+0.1	-0.1	461,207	467,701	465,450	464,495	-0.7
Market categories :											
Automotive equipment . . . . .	8,800	8,652	8,595	+1.7	+0.7	-2.0	8,629	8,784	8,663	8,291	+4.1
Home goods and apparel . . . . .	31,465	31,342	31,133	+0.4	+0.7	-0.9	32,347	32,261	31,395	32,304	+0.1
Consumer staples . . . . .	74,642	74,620	74,088	0.0	+0.7	+1.1	73,457	74,316	73,810	71,515	+2.7
Machinery and equipment . . . . .	116,415	116,955	117,710	-0.5	-0.6	-0.6	115,198	118,666	118,677	118,269	-2.6
Business supplies . . . . .	28,240	28,174	28,364	+0.2	-0.7	+0.4	28,254	28,391	28,660	28,044	+0.7
Construction materials and supplies . . . . .	29,203	29,130	28,802	+0.3	+1.1	+0.2	29,324	29,421	29,025	28,485	+2.9
Defense products . . . . .	17,966	18,121	18,016	-0.9	+0.6	-0.8	18,035	18,335	17,958	18,245	-1.2
Other materials, supplies and and intermediate products . . . . .	156,585	156,748	156,486	-0.1	+0.2	0.0	155,963	157,527	157,262	159,342	-2.1
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	108,069	108,806	109,749	-0.7	-0.9	-0.6	107,041	110,486	110,601	110,896	-3.5
Excluding aircraft and parts . . . . .	71,909	72,117	72,166	-0.3	-0.1	-0.2	71,463	73,833	73,137	71,360	+0.1
Defense capital goods <sup>4</sup> . . . . .	18,162	18,426	18,366	-1.4	+0.3	-0.9	18,229	18,659	18,300	18,535	-1.7
Durables excluding capital goods . . . . .	165,622	165,171	164,300	+0.3	+0.5	-0.1	165,256	166,465	165,118	164,319	+0.6
Miscellaneous series :											
Producers' durable equipment . . . . .	189,239	189,490	189,822	-0.1	-0.2	-0.6	188,218	191,887	191,178	190,686	-1.3
Household durable goods . . . . .	16,344	16,348	16,165	0.0	+1.1	-0.4	16,543	16,722	16,219	16,069	+2.9
Information technology industries . . . . .	32,953	32,758	32,734	+0.6	+0.1	-0.6	32,855	33,762	33,312	33,411	-1.7
Health care equipment and products . . . . .	20,428	20,452	20,238	-0.1	+1.1	+1.7	20,618	20,945	20,396	19,543	+5.5

See footnotes at end of table 5.

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

**Table 7. 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 June 99/98
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	May- June	Apr.- May	Mar.- Apr.	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	June 1998	
MATERIALS AND SUPPLIES											
All manufacturing industries . . . . .	152,888	152,843	152,749	0.0	+0.1	-0.4	151,842	152,148	152,364	154,597	-1.8
Durable goods industries . . . . .	91,900	91,677	91,722	+0.2	0.0	-0.6	91,003	91,086	91,047	92,252	-1.4
Stone, clay, and glass products . . . . .	3,205	3,201	3,186	+0.1	+0.5	-0.3	3,197	3,190	3,157	3,002	+6.5
Primary metals . . . . .	7,330	7,357	7,456	-0.4	-1.3	-1.6	7,211	7,125	7,199	7,896	-8.7
Fabricated metal products . . . . .	10,400	10,403	10,319	0.0	+0.8	-0.9	10,401	10,280	10,252	10,718	-3.0
Industrial machinery and equipment . . . . .	20,070	19,997	20,235	+0.4	-1.2	-0.3	19,945	20,147	20,251	19,658	+1.5
Electronic and other electrical equipment . . . . .	15,841	15,565	15,503	+1.8	+0.4	-0.7	15,753	15,590	15,553	15,587	+1.1
Transportation equipment . . . . .	15,217	15,306	15,068	-0.6	+1.6	+0.2	15,052	15,256	15,013	15,512	-3.0
Instruments and related products . . . . .	8,945	8,912	9,045	+0.4	-1.5	-1.4	8,987	8,990	9,135	9,371	-4.1
Lumber, furniture and miscellaneous durable goods . . . . .	10,892	10,936	10,910	-0.4	+0.2	-0.7	10,457	10,508	10,487	10,508	-0.5
Nondurable goods industries . . . . .	60,988	61,166	61,027	-0.3	+0.2	-0.1	60,839	61,062	61,317	62,345	-2.4
Food and kindred products . . . . .	11,646	11,642	11,556	0.0	+0.7	+1.4	11,527	11,493	11,642	11,189	+3.0
Tobacco products . . . . .	4,596	4,662	4,701	-1.4	-0.8	-0.2	4,292	4,529	4,701	4,679	-8.3
Textile mill products . . . . .	2,883	2,841	2,823	+1.5	+0.6	-0.8	2,904	2,915	2,869	3,010	-3.5
Paper and allied products . . . . .	7,705	7,678	7,706	+0.4	-0.4	-0.7	7,669	7,652	7,762	8,059	-4.8
Chemicals and allied products . . . . .	15,539	15,692	15,634	-1.0	+0.4	+0.8	15,630	15,786	15,649	15,481	+1.0
Petroleum and coal products . . . . .	3,227	3,197	3,169	+0.9	+0.9	-0.8	3,284	3,256	3,244	3,254	+0.9
Rubber and plastics products . . . . .	6,847	6,845	6,766	0.0	+1.2	+0.1	6,825	6,845	6,796	6,781	+0.6
Apparel, printing and publishing and leather goods . . . . .	8,545	8,609	8,672	-0.7	-0.7	-2.6	8,708	8,586	8,654	9,892	-12.0
WORK IN PROCESS											
All manufacturing industries . . . . .	146,805	147,793	148,176	-0.7	-0.3	-0.1	145,535	148,854	148,370	149,912	-2.9
Durable goods industries . . . . .	116,020	117,183	117,829	-1.0	-0.5	-0.7	115,151	118,320	118,060	120,691	-4.6
Stone, clay, and glass products . . . . .	1,460	1,416	1,361	+3.1	+4.0	+3.0	1,491	1,466	1,414	1,334	+11.8
Primary metals . . . . .	8,208	8,294	8,165	-1.0	+1.6	-0.8	8,181	8,337	8,188	8,511	-3.9
Fabricated metal products . . . . .	8,960	8,984	8,971	-0.3	+0.1	-0.4	8,974	9,043	8,955	9,099	-1.4
Industrial machinery and equipment . . . . .	21,822	22,011	22,136	-0.9	-0.6	-0.3	21,658	22,365	22,220	22,621	-4.3
Electronic and other electrical equipment . . . . .	14,216	14,430	14,186	-1.5	+1.7	+2.3	14,316	14,782	14,350	14,602	-2.0
Transportation equipment . . . . .	46,109	46,610	47,628	-1.1	-2.1	-2.4	45,189	46,672	47,416	49,145	-8.0
Instruments and related products . . . . .	9,857	10,004	9,971	-1.5	+0.3	+0.4	9,929	10,163	10,083	10,040	-1.1
Lumber, furniture and miscellaneous durable goods . . . . .	5,388	5,434	5,411	-0.8	+0.4	+2.5	5,413	5,492	5,434	5,339	+1.4
Nondurable goods industries . . . . .	30,785	30,610	30,347	+0.6	+0.9	+1.9	30,384	30,534	30,310	29,221	+4.0
Food and kindred products . . . . .	6,134	6,114	6,134	+0.3	-0.3	-0.6	5,653	5,637	5,867	5,278	+7.1
Tobacco products . . . . .	82	82	83	0.0	-1.2	-9.8	75	74	76	105	-28.6
Textile mill products . . . . .	2,506	2,511	2,511	-0.2	0.0	-0.6	2,476	2,527	2,530	2,641	-6.2
Paper and allied products . . . . .	1,653	1,641	1,634	+0.7	+0.4	-1.0	1,663	1,667	1,657	1,584	+5.0
Chemicals and allied products . . . . .	9,576	9,541	9,066	+0.4	+5.2	+3.9	9,697	9,788	9,099	8,717	+11.2
Petroleum and coal products . . . . .	2,571	2,573	2,571	-0.1	+0.1	+4.9	2,580	2,664	2,628	2,612	-1.2
Rubber and plastics products . . . . .	2,320	2,294	2,308	+1.1	-0.6	+1.5	2,264	2,277	2,306	2,180	+3.9
Apparel, printing and publishing and leather goods . . . . .	5,943	5,854	6,040	+1.5	-3.1	+2.5	5,976	5,900	6,147	6,104	-2.1
FINISHED GOODS											
All manufacturing industries . . . . .	163,623	163,106	162,269	+0.3	+0.5	+0.3	163,830	166,699	164,716	159,986	+2.4
Durable goods industries . . . . .	83,933	83,543	82,864	+0.5	+0.8	+0.5	84,372	86,204	84,912	80,807	+4.4
Stone, clay, and glass products . . . . .	4,780	4,771	4,690	+0.2	+1.7	-1.1	4,882	4,988	4,872	4,889	-0.1
Primary metals . . . . .	8,098	8,107	8,030	-0.1	+1.0	+1.3	8,093	8,254	8,140	8,057	+0.4
Fabricated metal products . . . . .	11,438	11,619	11,597	-1.6	+0.2	+1.7	11,730	12,050	11,994	11,254	+4.2
Industrial machinery and equipment . . . . .	18,271	18,323	18,112	-0.3	+1.2	-1.1	17,955	18,808	18,579	17,954	0.0
Electronic and other electrical equipment . . . . .	11,027	10,830	10,853	+1.8	-0.2	-0.3	11,058	11,348	11,235	10,562	+4.7
Transportation equipment . . . . .	10,089	9,872	9,762	+2.2	+1.1	+1.8	10,181	10,059	9,885	9,071	+12.2
Instruments and related products . . . . .	7,617	7,728	7,794	-1.4	-0.8	+2.6	7,652	7,921	7,869	7,443	+2.8
Lumber, furniture and miscellaneous durable goods . . . . .	12,613	12,293	12,026	+2.6	+2.2	0.0	12,821	12,776	12,338	11,577	+10.7
Nondurable goods industries . . . . .	79,690	79,563	79,405	+0.2	+0.2	+0.1	79,458	80,495	79,804	79,179	+0.4
Food and kindred products . . . . .	20,370	20,426	20,288	-0.3	+0.7	+0.7	19,456	19,898	19,845	19,377	+0.4
Tobacco products . . . . .	540	564	559	-4.3	+0.9	-0.2	383	451	451	492	-22.2
Textile mill products . . . . .	4,754	4,699	4,752	+1.2	-1.1	+0.9	4,832	4,898	4,935	4,676	+3.3
Paper and allied products . . . . .	6,705	6,704	6,654	0.0	+0.8	-0.1	6,709	6,898	6,769	6,819	-1.6
Chemicals and allied products . . . . .	21,750	21,696	21,662	+0.2	+0.2	-0.1	21,543	21,991	22,046	21,837	-1.3
Petroleum and coal products . . . . .	4,927	4,936	4,948	-0.2	-0.2	+1.0	5,048	5,120	4,942	5,228	-3.4
Rubber and plastics products . . . . .	7,716	7,763	7,720	-0.6	+0.6	+1.3	7,841	7,971	7,894	7,782	+0.8
Apparel, printing and publishing and leather goods . . . . .	12,928	12,775	12,822	+1.2	-0.4	-1.7	13,646	13,268	12,922	12,968	+5.2

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

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



**Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFULFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio <sup>1</sup>			
	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	Mar. 1999	June 1999 <sup>p</sup>	May 1999 <sup>r</sup>	Apr. 1999	Mar. 1999
All manufacturing industries . . . . .	1.31	1.32	1.33	1.33	2.58	2.59	2.63	2.64
Durable goods industries . . . . .	1.45	1.47	1.48	1.48	3.01	3.03	3.08	3.10
Stone, clay, and glass products . . . . .	1.10	1.11	1.10	1.09	0.74	0.76	0.77	0.78
Primary metals . . . . .	1.61	1.64	1.66	1.64	2.07	2.07	2.10	2.02
Fabricated metal products . . . . .	1.50	1.52	1.51	1.51	1.32	1.33	1.34	1.36
Industrial machinery and equipment . . . . .	1.62	1.61	1.61	1.64	2.21	2.22	2.22	2.19
Electronic and other electrical equipment . . . . .	1.20	1.21	1.20	1.22	1.93	1.93	1.93	1.94
Transportation equipment . . . . .	1.42	1.47	1.52	1.49	8.71	8.65	8.98	9.07
Instruments and related products . . . . .	1.81	1.86	1.89	1.84	3.28	3.35	3.37	3.25
Nondurable goods industries . . . . .	1.12	1.13	1.14	1.13	0.65	0.64	0.63	0.64
Food and kindred products . . . . .	0.91	0.92	0.93	0.90	(X)	(X)	(X)	(X)
Tobacco products . . . . .	1.24	1.31	1.31	1.29	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.58	1.54	1.54	1.58	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.20	1.20	1.19	1.20	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.36	1.40	1.38	1.37	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.80	0.82	0.82	0.85	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.23	1.25	1.25	1.22	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

**Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**  
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	June <sup>1</sup> 1999	June <sup>2</sup> 1994-1998	June 1998-May 1999	June <sup>1</sup> 1999	June <sup>2</sup> 1994-1998	June 1998-May 1999	June <sup>1</sup> 1999	June <sup>2</sup> 1994-1998	June 1998-May 1999	June <sup>1</sup> 1999	June <sup>2</sup> 1994-1998	June 1998-May 1999
All manufacturing industries . . . . .	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries . . . . .	0.0	0.2	0.2	0.1	0.2	0.3	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products . . . . .	(X)	0.5	0.4	(X)	1.0	0.5	(X)	0.8	0.5	(X)	0.1	0.1
Primary metals . . . . .	0.2	0.5	0.2	0.4	0.8	0.8	-0.1	0.2	0.3	(X)	0.1	0.1
Fabricated metal products . . . . .	(X)	0.4	0.3	(X)	0.6	0.4	(X)	0.4	0.2	(X)	0.2	0.1
Industrial machinery and equipment . . . . .	0.2	0.6	0.4	0.3	1.0	0.2	0.0	0.2	0.1	(X)	0.2	0.1
Electronic and other electrical equipment . . . . .	0.0	0.5	0.5	0.3	1.8	1.3	0.1	0.7	0.6	(X)	0.2	0.2
Transportation equipment . . . . .	-0.1	0.5	0.6	-0.4	0.3	1.0	0.1	0.0	0.1	(X)	0.0	0.2
Instruments and related products . . . . .	(X)	1.0	0.6	(X)	1.3	1.3	(X)	0.1	0.3	(X)	0.1	0.1
Nondurable goods industries . . . . .	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.3	0.2	(X)	0.2	0.1
Food and kindred products . . . . .	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products . . . . .	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products . . . . .	(X)	0.2	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products . . . . .	(X)	0.7	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Chemicals and allied products . . . . .	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products . . . . .	(X)	0.2	0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Rubber and plastics products . . . . .	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.4	0.7
Capital goods industries :												
Nondefense . . . . .	0.1	0.8	0.3	0.3	0.8	0.5	0.2	0.0	0.1	(X)	0.1	0.1
Defense . . . . .	-1.3	0.4	0.5	-4.1	2.0	3.7	0.0	0.1	0.2	(X)	0.1	0.1

(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.

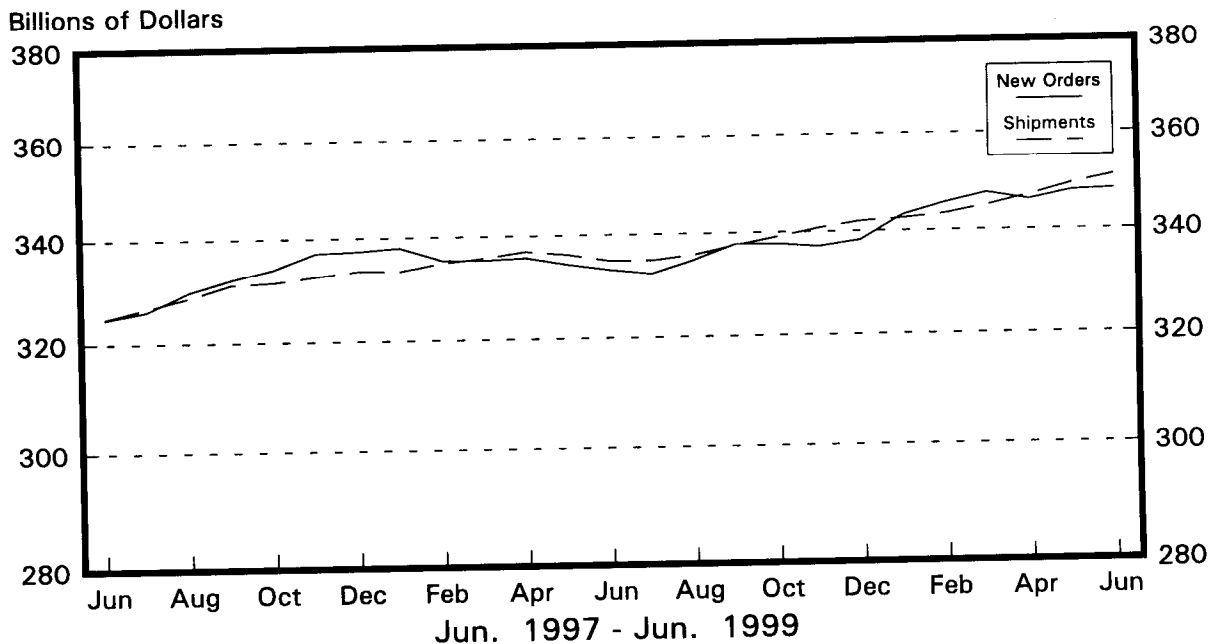
<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>2</sup> Average for this month for the last five years.

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

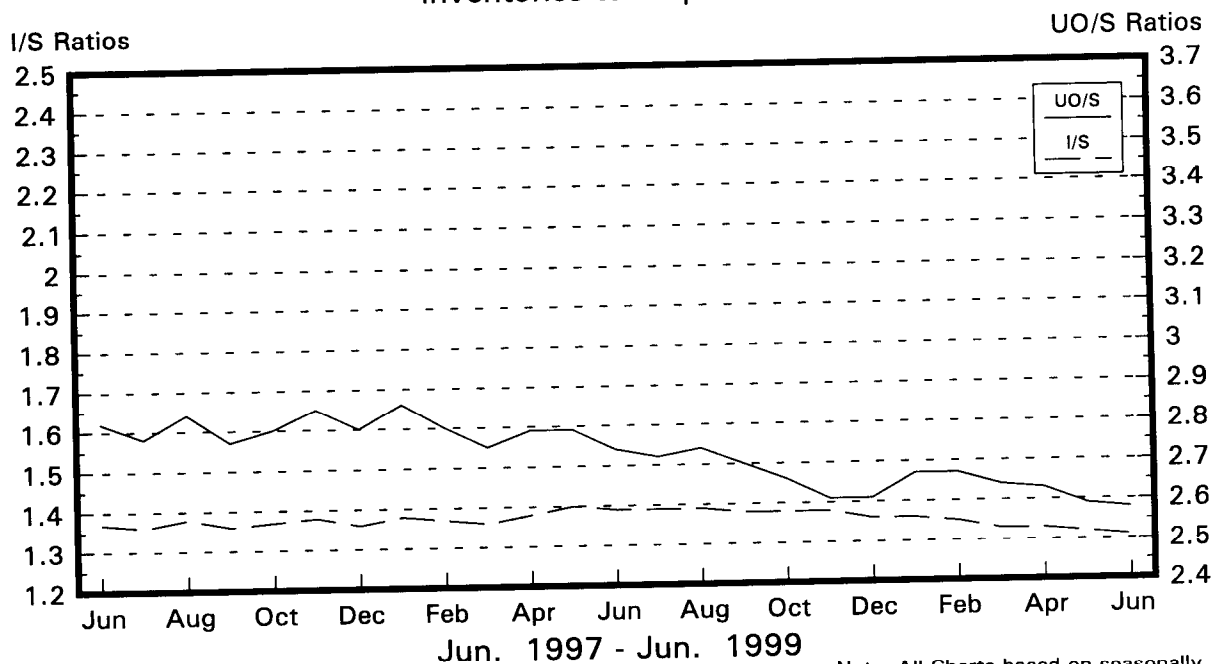
## Total Manufacturing

New Orders and Shipments  
Three Month Moving Averages



## Total Manufacturing

Ratio of Unfilled Orders and  
Inventories to Shipments

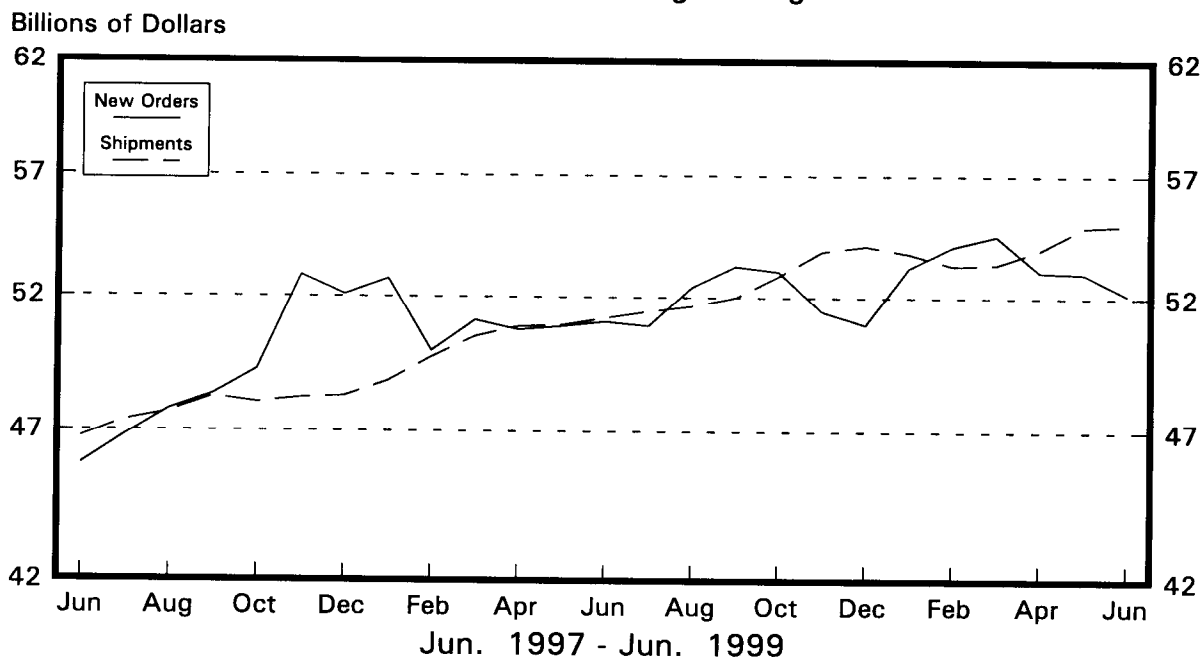


Note: All Charts based on seasonally adjusted current dollars.

# Nondefense Capital Goods

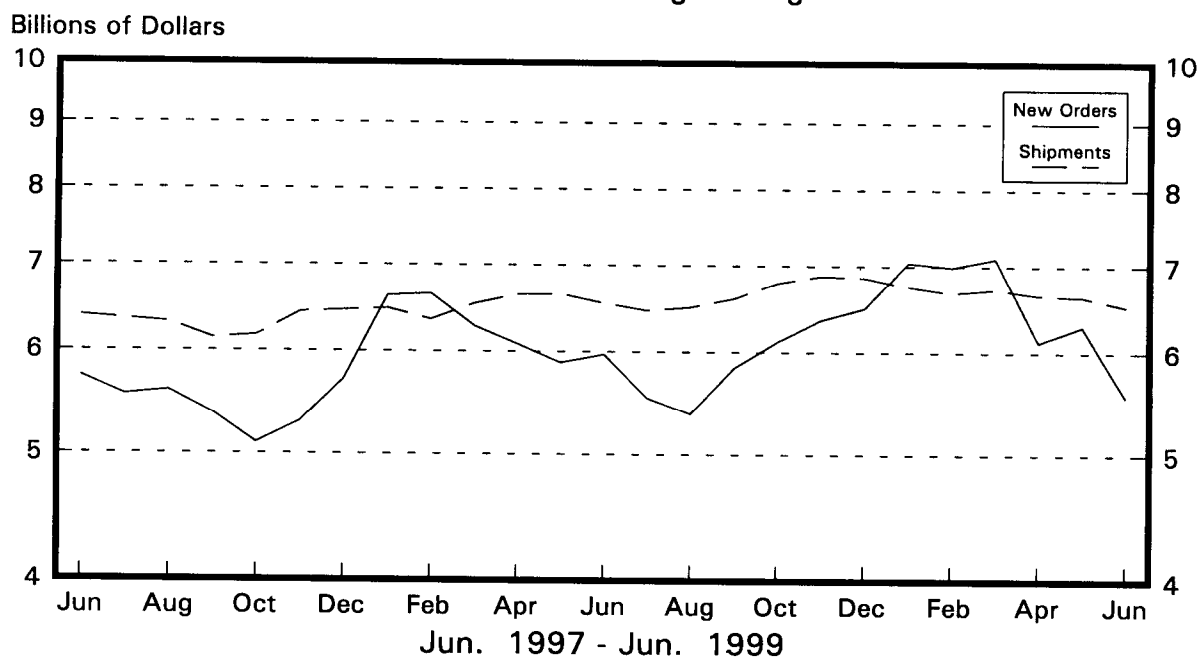
11

New Orders and Shipments  
Three Month Moving Averages



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages



Note: All Charts based on seasonally adjusted current dollars.