

# Briefing Paper

Dr. Charles W. McMillion  
President, MBG Information Services

Prepared for  
The US-China Economic and Security Review Commission

Field Investigation:  
The Impact of U.S.-China Trade & Investment  
on Key Manufacturing Sectors

Akron, Ohio  
September 23, 2004

## Executive Summary

- Since July 2000, the United States has lost a far larger share of its Private Sector jobs and its Manufacturing jobs -- and seen the smallest gains in Private Services-providing jobs -- than at any other four year period since the 1930s.
- Ohio has suffered four consecutive years of job losses for only the second time since the 1930s with the recovery may be far more difficult now. Ohio's job losses are the third worst in the country over the past four years and Steubenville-Weirton's losses this year are the worst of any metro area.
- Productivity is strong but production is being displaced by a record tide of net imports, particularly from China with which the US has a six-to-one imbalance (nine-to-one in Ohio) and a deficit over \$12 billion each month. Concerns about global firms moving production from Ohio to China are fundamentally different from the worries 20 years ago that Ohio firms could not compete with Japanese firms.
- The Manufacturing trade deficit is now the worst on record and, since 2002 has included the first global deficits in Advanced Technology Products. China now accounts for one-third of the US deficits in traded manufactured goods and for the entire US deficits in Advanced Technology trade.
- All states now have trade deficits with China. Ohio's 2003 deficit worsened to -\$5.4 billion. China accounts for only 2.2% of Ohio's exports but is Ohio's seventh leading trade partner.
- Worsening global trade losses may have displaced another -4,200 jobs in Ohio in 2003 for a total of about -179,200 of which -43,900 were displaced by shifting to or starting production in China.
- Although the Ohio industries featured in today's hearing are among those most adversely affected by current China trade, there are indications that all goods and services industries capable of being exported -- or imported -- are facing similar, very rapidly escalating effects.

# **Briefing Paper**

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## **Introduction:**

From July 2000 to July 2004, the United States has lost a far larger share of its Private Sector jobs and its Manufacturing jobs than at any other four year period since the 1930s. The US has also suffered the smallest gain in the growth of Private Services-providing jobs since data were first collected in 1939. Despite near record monetary and fiscal policy stimulus, industrial and particularly manufacturing output has been extraordinarily weak.

Fortunately, productivity growth has remained strong. Unfortunately, US production has been displaced by an ever-rising record tide of net imports, particularly from China with which the US has a six-to-one imbalance of imports-to-exports and a trade deficit of over \$12 billion each month. The worldwide US Current Accounts deficit set a new record of near -\$531 billion in 2003 and is on a track to exceed -\$600 billion in 2004. The overall deficit in globally traded goods and services has reached a record -5.5% drag on real Gross Domestic Product -- compared with a -2.5% drag reached at the height of "competitiveness" concerns in 1986.

The Manufacturing trade deficit is far and away the worst on record and, since 2002 has included global deficits in Advanced Technology Products. China now accounts for one-third of the US deficits in traded manufactured goods and for the entire US deficits in Advanced Technology trade. Although outside the scope of the current hearing, it might also be noted that the US global surplus in traded services has been generally declining for seven years to levels now well-below those reached in 1992.

Using the formula developed by the Department of Commerce, 9,500 US workers were required to produce each \$1 billion of tradable goods and services in the year 2002 and, with productivity growth,

about 9,000 workers were needed to produce each \$1 billion of output in 2003. This suggests that the worsening balance of net imports of goods displaced about -360,000 US jobs (for a total of about -4,944,700 jobs) in the more highly productive and therefore higher-wage goods sectors in 2003. Ohio's global trade balance appears to have worsened from -\$18.4 billion in 2002 to \$19.9 billion in 2003. It is therefore reasonable to conclude that almost -4,200 jobs in Ohio were lost to the worsening deficit between 2002 and 2003 for a total of about -179,200.

Applying the same formula to the worsening US trade deficits with China suggests they are responsible for the loss of about another -137,500 tradeable-goods jobs in 2003 for a total loss of -1,116,000. By this formula, Ohio's worsening trade losses with China shifted another -5,900 jobs out of the state's traded-goods sectors in 2003 for a total loss of about -43,900 jobs. Note that China accounts for less than two-thirds of Ohio's worsening trade deficit in 2003 but for more than the total of jobs displaced by trade. This is because Ohio's non-China trade deficit grew less than the growth rate of productivity.

### **Ohio's Recent Severe Job Losses:**

For only the second time since the 1930s, Ohio has suffered a net loss of jobs in each of the last three years. The other time that this occurred, from 1980-1983, was followed in 1984 by soaring job growth as dramatic increases in Federal fiscal stimulus (budget deficits) spurred skyrocketing consumer spending on Ohio-produced goods and services. The US' Current Account deficit rose to -\$94 billion in 1984 as the trade deficit rose to the record level of -2.1% of GDP.

Today's concern is that with Federal fiscal and monetary policies now expected to become *less* stimulative in coming months and the Current Account deficit on track to exceed -\$600 billion, -5.5% of GDP, Ohio is uncertain of a strong rebound in production and jobs. Total industrial and manufacturing production increases in the US during the first 33 months of the current cyclical economic recovery have been -- by far -- the weakest on record.

Concerns are compounded because the nature of competition for production and jobs has changed fundamentally since 1984. Then the principal concern was that, even with similar labor and regulatory costs, US firms could not compete with Japanese firms. Today's principal concern is NOT between firms, which have in any case become increasingly trans-national. The concern today is largely over the location decisions for production and job creation within these global firms facing the enormous differentials in the cost of labor, regulatory and living standards in Ohio and other areas of the world -- particularly China.

Ohio lost -4.1% of its nonfarm jobs between January, 2001 and July, 2004; only Massachusetts and Michigan have suffered worse losses over this period. Ohio also joins these two other states as the only ones to have continued to lose jobs over the year ending in July, 2004. This, despite a decline in Ohio's unemployment rate from 6.3% to 5.9%. Four of Ohio's metropolitan areas are among the 25 metro areas that have suffered the worst job loss since the end of 2000 -- Toledo (#7,) Mansfield (#15,) Dayton-Springfield (#16) and Youngstown-Warren (#24.) Steubenville-Weirton has lost -4.2% of its jobs over the past 12 months to become the worst hit metro area in the country. Steubenville-Weirton,

Youngstown-Warren and Toledo are currently among the 25 metro areas with the worst unemployment rates in the country.

Ohio has fewer jobs today than four years ago in every major industry sector except Finance, Health Care and (State & Local) Government -- which face little if any foreign competition. That is, over the past four years Ohio has lost jobs in both goods-producing industries and in service-providing industries that can be exported or imported. The Manufacturing sector has seen the worst job losses (-18.9%,) particularly in the most highly productive, high wage durable-goods industries such as Semiconductors and electronic components (-42% decline,) Iron and Steel Mills (-37% loss,) Machine tools (-22%) and Transportation equipment and parts (-18%.) Key non-durable industries have also suffered severe losses, particular Plastics and Rubber (-19% job loss.)

Each of these industries have faced sharply rising imports from China and elsewhere in recent years although the mix is increasingly toward the down-stream products that were previously their customers. That is, the auto industry is a primary customer for steel, machine tools, glassware, rubber and ceramics. As the import of autos and auto parts have soared to perhaps \$132 billion this year, production (and employment) of these products have suffered in Ohio. These industries will be the focus of the Commission's field hearing.

It may also be useful to note that Ohio has suffered an overall -5% loss in the number of Professional and Technical Services jobs over the past four years. This includes the loss of -16% of the jobs providing Computer Systems Design and Services and -7% of jobs for Architects and Engineers. During this period the US services surplus has fallen to its lowest levels since 1991 and the traditional substantial US surplus in Advanced Technology Products has vanished, replaced by a deficit -- largely with China -- that will approach -\$37 billion in 2004.

### **Ohio's Global and China Trade:**

While the Commerce Department collects information on the state origin of US exports, there are no official data on US imports. The most straightforward method of estimating the final destination of US imports is to simply apportion them equally by population. Using this method, 48 states and the District of Columbia had global trade deficits in 2003, most worsening rapidly, while Texas and Washington state had rapidly declining surpluses. Every state had a rapidly worsening trade deficit with China in 2003.

Ohio exported \$29.8 billion in goods in 2003, 7.3% of its total Gross State Product, just above the US average of 6.6%. This is a reflection of Ohio's slightly greater reliance on goods production than most states.

The dollar value of Ohio's global exports grew by 13% between 2000 and 2003 while the state's exports to China grew by 120%. Still, with exports to China of only \$56 per capita in 2003, Ohio exports to China at only 57% of the total US exports to China. Furthermore, while the US imbalance in trade with China is about 6-to-1, imports-to-exports, Ohio's imbalance in 2003 was roughly 9-to-1.

Nevertheless, China was Ohio's seventh largest export market in 2003 but accounted for only \$644 million, 2.2%, of the state's exports. China accounted for 31.6% of Ohio's export of Waste and Scrap in 2003, for 21.7% of Forestry and Logging, 6.3% of Leather and related products, 5.8% of Machinery and 4.6% of Computers and Electronics. Although it is not possible to accurately estimate Ohio's imports by industry, it seems quite clear for the total US import data that most -- and probably all -- of Ohio's manufacturing industries now face large and rapidly growing deficits with world-class firms now producing in China.

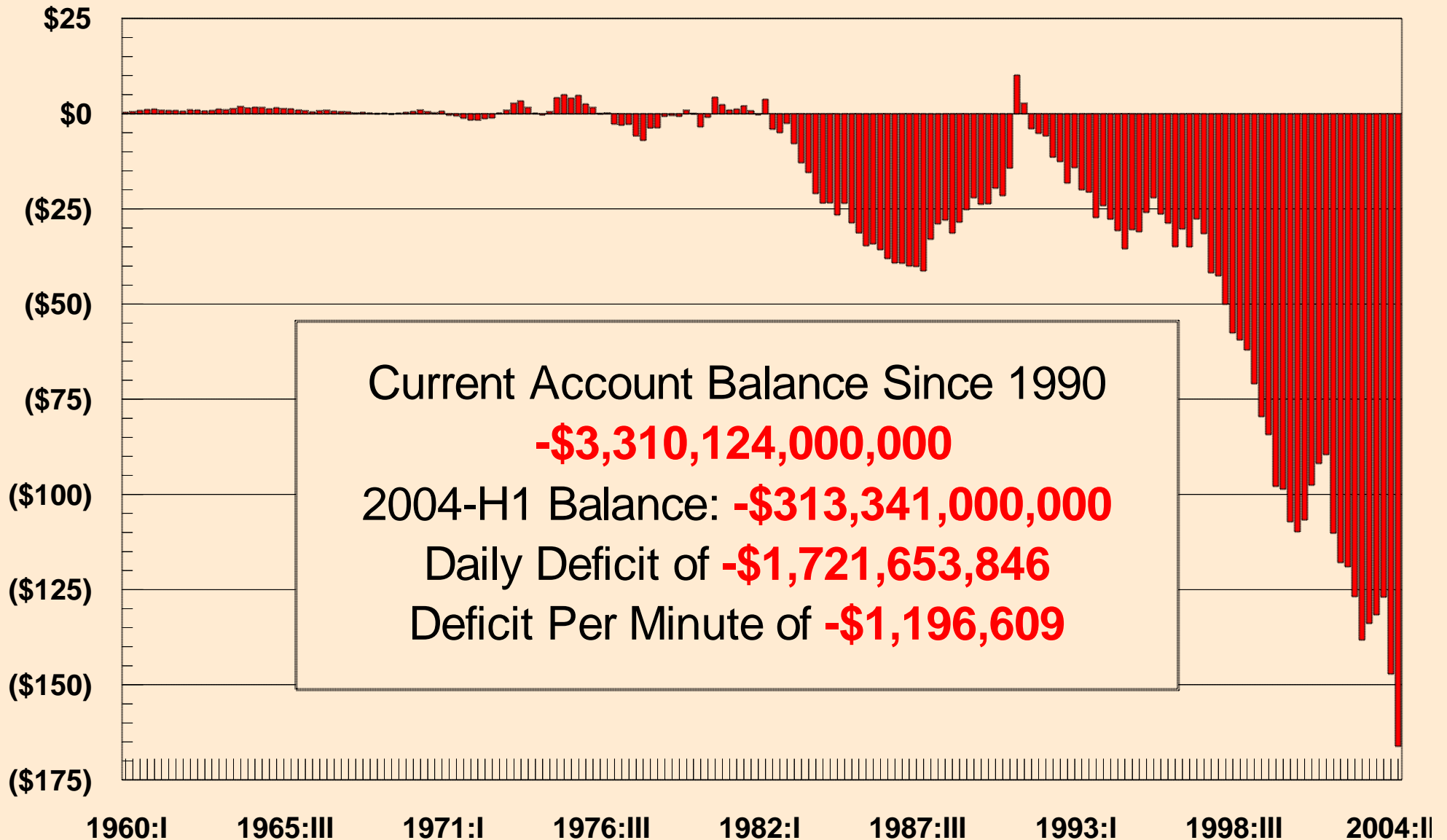
Everyone understands, of course, that lowering the price of component inputs of goods and services lowers firms' cost of production and can improve revenue or allow them to lower prices to improve price competitiveness. And every consumer appreciates lower prices for products they want to buy. Unfortunately, the capabilities of modern information technologies now allow large global companies to make or buy most goods and services wherever living standards are lowest while continuing to sell in Ohio and elsewhere. Those who believed that higher aggregate levels of productivity in Ohio and throughout the US could forever support wages and living standards far above those in Mexico and China have been proven wrong by chronic and worsening trade deficits.

Those who believe that only low skilled manufacturing jobs and lightly capitalized industries face price-competition from the world's leading firms that now produce cutting-edge goods and services in China face a similar awakening. The recent history in Ohio is a particularly useful example of the new challenges facing policy-makers and the American standard of living.

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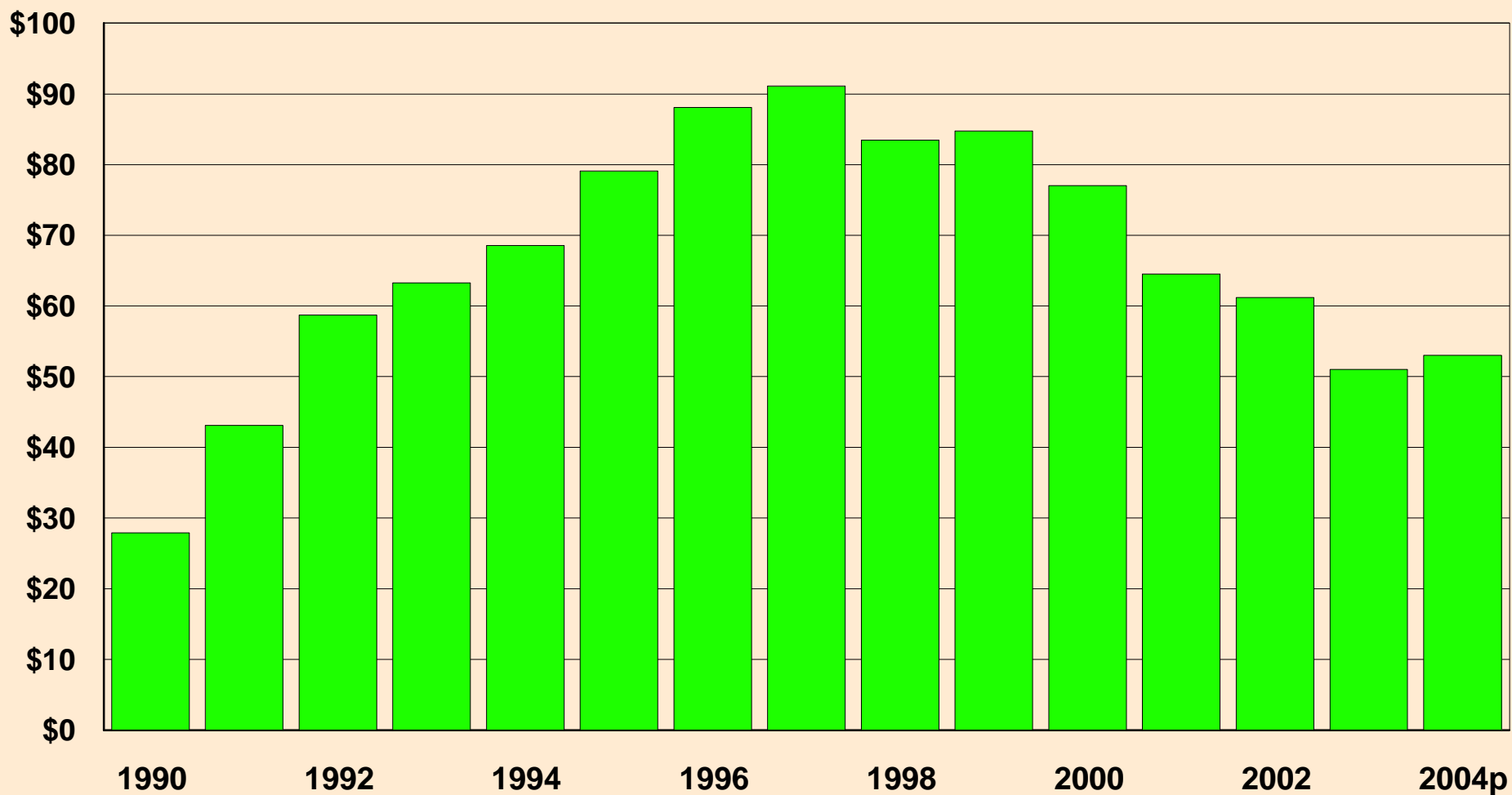
# Worst Ever US Losses in Current Accounts

\$ Billion: US Quarterly Balances in All Global Current Accounts



# US Surplus In Services Trade: Down to Lowest Levels since 1991

**\$Billion: Annual US Surplus in Global Trade of Services**

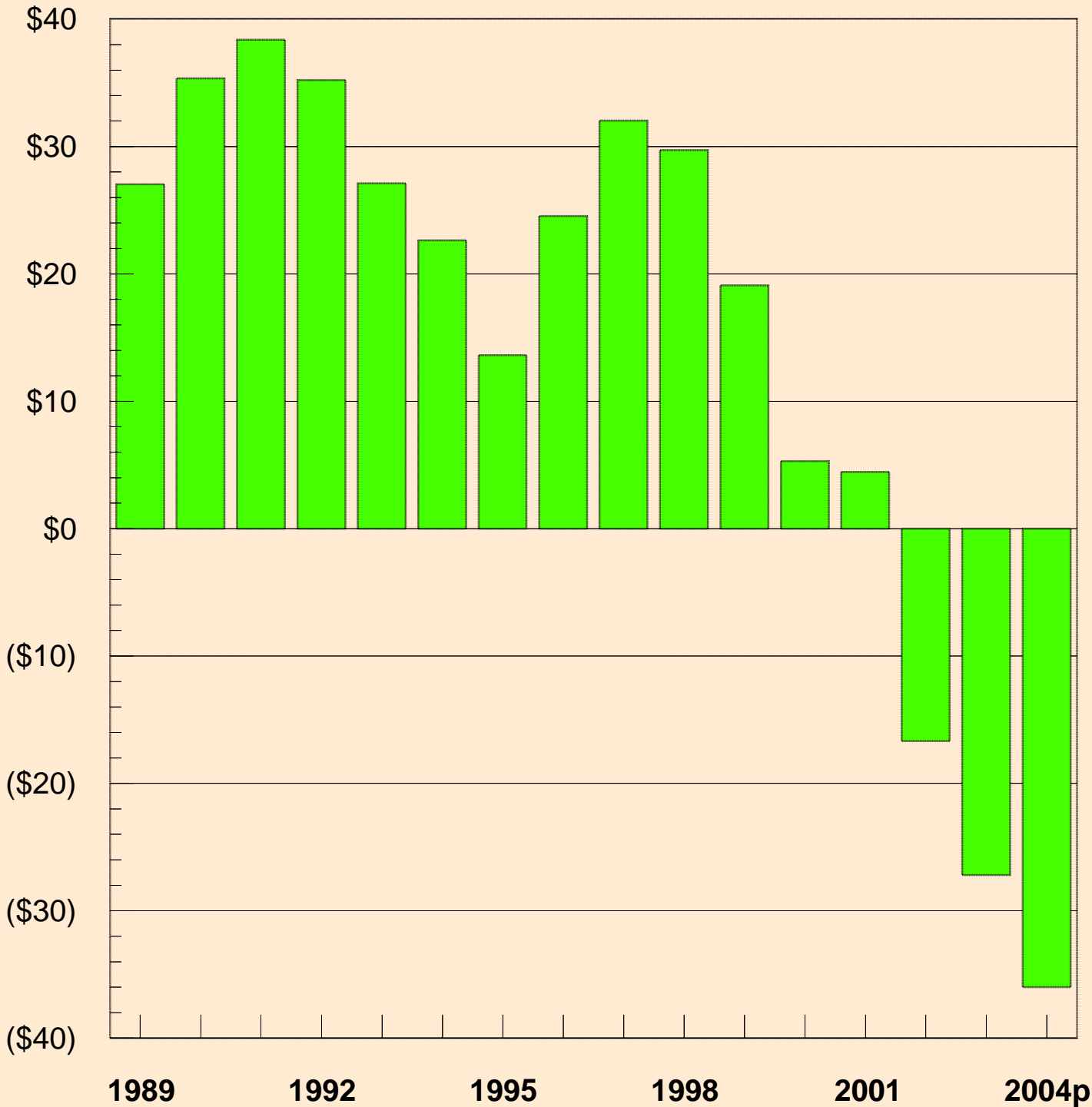


US Dept. of Commerce and MBG Information Services

# US Trade in Advanced Technology

Traditional Large Surplus now Equally Large Losses

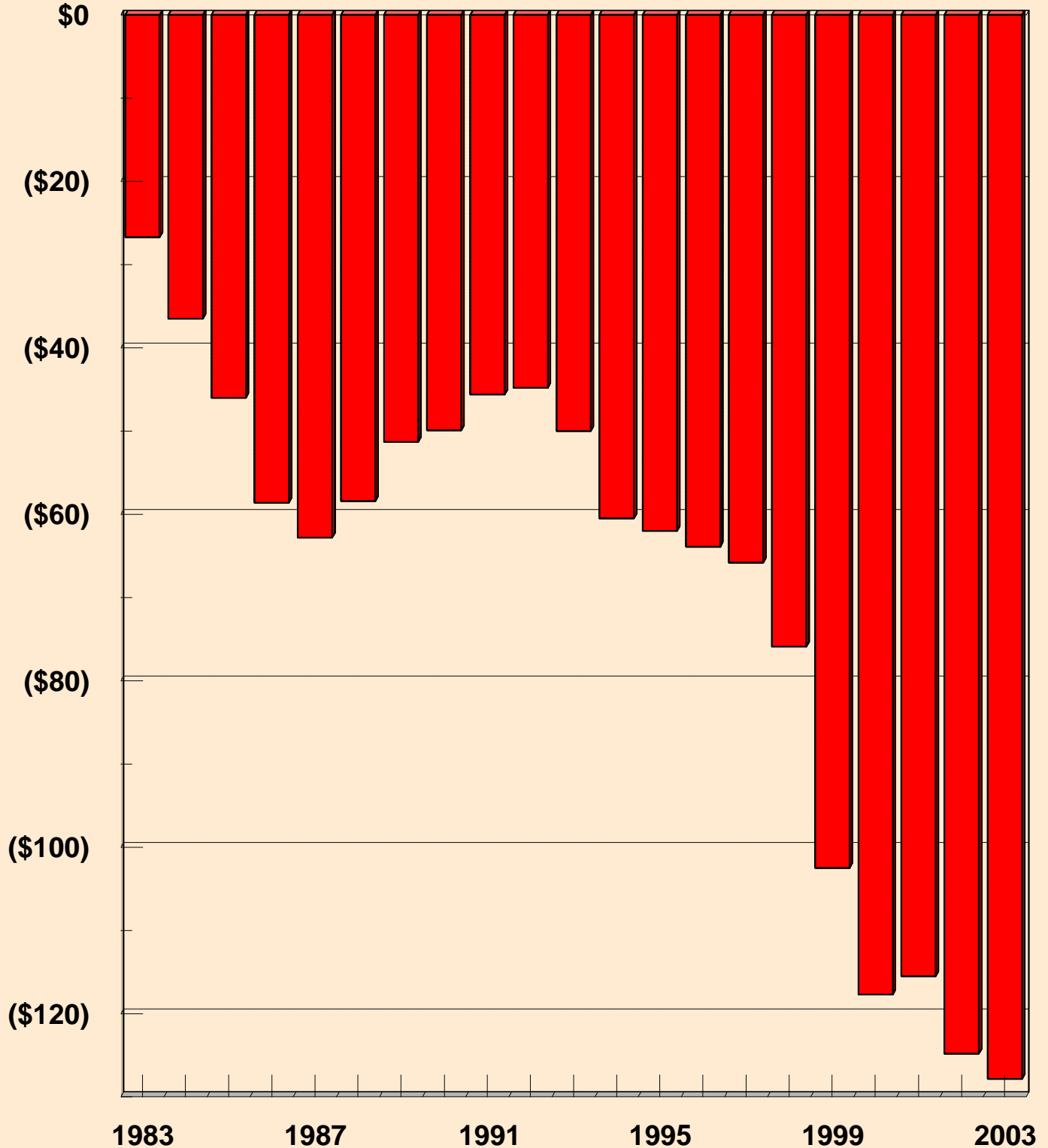
\$ Billion: Annual US Global Trade Balance in ATP





# US Global Trade in Autos/Trucks/Parts: Unprecedented Losses

\$ Billions Per Year: Net Exports



# Components of the U.S. Economy:

## Gross Domestic Product: Constant 2000-Chained Prices

(\$ Billions) Year	Gross Domestic Product	Personal Consumption Expenditures	Gross Private Domestic Investment	Net Exports Goods And Services	Expenditures and Investments by Government	Trade as Percent of Real GDP
1959	2,441.3	1,554.6	266.7	(24.7)	714.3	-1.5%
1960	2,501.8	1,597.4	266.6	(12.7)	715.4	-0.5%
1961	2,560.0	1,630.3	264.9	(11.5)	751.3	-0.4%
1962	2,715.2	1,711.1	298.4	(18.6)	797.6	-0.7%
1963	2,834.0	1,781.6	318.5	(14.8)	818.1	-0.5%
1964	2,998.6	1,888.4	344.7	(9.0)	836.1	-0.3%
1965	3,191.1	2,007.7	393.1	(18.9)	861.3	-0.6%
1966	3,399.1	2,121.8	427.7	(31.1)	937.1	-0.9%
1967	3,484.6	2,185.0	408.1	(39.6)	1,008.9	-1.1%
1968	3,652.7	2,310.5	431.9	(54.6)	1,040.5	-1.5%
1969	3,765.4	2,396.4	457.1	(58.9)	1,038.0	-1.6%
1970	3,771.9	2,451.9	427.1	(52.0)	1,012.9	-1.4%
1971	3,898.6	2,545.5	475.7	(60.6)	990.8	-1.6%
1972	4,105.0	2,701.3	532.1	(73.5)	983.5	-1.8%
1973	4,341.5	2,833.8	594.4	(51.9)	980.0	-1.2%
1974	4,319.6	2,812.3	550.6	(29.4)	1,004.7	-0.7%
1975	4,311.2	2,876.9	453.1	(2.4)	1,027.4	-0.1%
1976	4,540.9	3,035.5	544.7	(37.0)	1,031.9	-0.8%
1977	4,750.5	3,164.1	627.0	(61.1)	1,043.3	-1.3%
1978	5,015.0	3,303.1	702.6	(61.9)	1,074.0	-1.2%
1979	5,173.4	3,383.4	725.0	(41.0)	1,094.1	-0.8%
1980	5,161.7	3,374.1	645.3	12.6	1,115.4	0.2%
1981	5,291.7	3,422.2	704.9	8.3	1,125.6	0.2%
1982	5,189.3	3,470.3	606.0	(12.6)	1,145.4	-0.2%
1983	5,423.8	3,668.6	662.5	(60.2)	1,187.3	-1.1%
1984	5,813.6	3,863.3	857.7	(122.4)	1,227.0	-2.1%
1985	6,053.7	4,064.0	849.7	(141.5)	1,312.5	-2.3%
1986	6,263.6	4,228.9	843.9	(156.3)	1,392.5	-2.5%
1987	6,475.1	4,369.8	870.0	(148.4)	1,426.7	-2.3%
1988	6,742.7	4,546.9	890.5	(106.8)	1,445.1	-1.6%
1989	6,981.4	4,675.0	926.2	(79.2)	1,482.5	-1.1%
1990	7,112.5	4,770.3	895.1	(54.7)	1,530.0	-0.8%
1991	7,100.5	4,778.4	822.2	(14.6)	1,547.2	-0.2%
1992	7,336.6	4,934.8	889.0	(15.9)	1,555.3	-0.2%
1993	7,532.7	5,099.8	968.3	(52.1)	1,541.1	-0.7%
1994	7,835.5	5,290.7	1,099.6	(79.4)	1,541.3	-1.0%
1995	8,031.7	5,433.5	1,134.0	(71.0)	1,549.7	-0.9%
1996	8,328.9	5,619.4	1,234.3	(79.6)	1,564.9	-1.0%
1997	8,703.5	5,831.8	1,387.7	(104.6)	1,594.0	-1.2%
1998	9,066.9	6,125.8	1,524.1	(203.7)	1,624.4	-2.2%
1999	9,470.3	6,438.6	1,642.6	(296.2)	1,686.9	-3.1%
2000	9,817.0	6,739.4	1,735.5	(379.5)	1,721.6	-3.9%
2001	9,890.7	6,910.4	1,598.4	(399.1)	1,780.3	-4.0%
2002	10,074.8	7,123.4	1,560.7	(472.1)	1,857.9	-4.7%
2003	10,381.3	7,355.6	1,628.8	(518.5)	1,909.4	-5.0%
2004-Q1lp	10,771.4	7,572.7	1,836.2	(588.7)	1,947.4	-5.5%

## Global Trade: 48 States Have Deficits, Most Worsening Rapidly

Merchandise Trade \$ Million	2002			2003		
	Exports	Imports*	Balance	Exports	Imports*	Balance
United States.....	\$681,874	\$1,164,746	(\$482,872)	\$713,761	\$1,263,170	(\$549,409)
Alabama.....	8,267	18,115	(9,849)	8,340	19,550	(11,209)
Alaska.....	2,516	2,595	(78)	2,739	2,818	(80)
Arizona.....	11,871	22,007	(10,136)	13,323	24,241	(10,918)
Arkansas.....	2,804	10,946	(8,142)	2,962	11,839	(8,877)
California.....	92,214	141,570	(49,356)	93,995	154,131	(60,136)
Colorado.....	5,522	18,205	(12,683)	6,109	19,767	(13,657)
Connecticut.....	8,313	13,989	(5,675)	8,136	15,130	(6,994)
Delaware.....	2,004	3,260	(1,256)	1,886	3,551	(1,665)
District of Columbia.	1,066	2,302	(1,236)	809	2,447	(1,638)
Florida.....	24,544	67,512	(42,967)	24,953	73,925	(48,971)
Georgia.....	14,413	34,557	(20,145)	16,286	37,723	(21,437)
Hawaii.....	514	5,018	(4,504)	368	5,463	(5,094)
Idaho.....	1,967	5,432	(3,465)	2,096	5,935	(3,839)
Illinois.....	25,686	50,907	(25,221)	26,473	54,962	(28,489)
Indiana.....	14,923	24,902	(9,979)	16,402	26,912	(10,509)
Iowa.....	4,755	11,874	(7,120)	5,236	12,788	(7,552)
Kansas.....	4,988	10,968	(5,980)	4,553	11,830	(7,277)
Kentucky.....	10,607	16,542	(5,935)	10,734	17,886	(7,153)
Louisiana.....	17,567	18,105	(538)	18,390	19,530	(1,140)
Maine.....	1,973	5,237	(3,264)	2,188	5,672	(3,483)
Maryland.....	4,474	22,045	(17,572)	4,941	23,929	(18,988)
Massachusetts.....	16,708	25,974	(9,266)	18,663	27,944	(9,282)
Michigan.....	33,775	40,621	(6,846)	32,941	43,784	(10,843)
Minnesota.....	10,402	20,323	(9,921)	11,266	21,976	(10,710)
Mississippi.....	3,058	11,595	(8,537)	2,558	12,515	(9,957)
Missouri.....	6,791	22,931	(16,140)	7,234	24,778	(17,544)
Montana.....	386	3,682	(3,296)	361	3,986	(3,624)
Nebraska.....	2,528	6,987	(4,460)	2,724	7,555	(4,831)
Nevada.....	1,177	8,767	(7,590)	2,033	9,735	(7,702)
New Hampshire.....	1,863	5,154	(3,291)	1,931	5,593	(3,662)
New Jersey.....	17,002	34,684	(17,682)	16,818	37,522	(20,704)
New Mexico.....	1,196	7,491	(6,295)	2,326	8,143	(5,817)
New York.....	36,977	77,391	(40,414)	39,181	83,355	(44,174)
North Carolina.....	14,719	33,594	(18,875)	16,199	36,518	(20,319)
North Dakota.....	859	2,564	(1,705)	854	2,753	(1,899)
Ohio.....	27,723	46,144	(18,421)	29,764	49,673	(19,908)
Oklahoma.....	2,444	14,115	(11,671)	2,660	15,253	(12,593)
Oregon.....	10,086	14,239	(4,152)	10,357	15,462	(5,104)
Pennsylvania.....	15,768	49,865	(34,098)	16,299	53,711	(37,412)
Rhode Island.....	1,121	4,321	(3,200)	1,177	4,674	(3,497)
South Carolina.....	9,656	16,598	(6,942)	11,773	18,014	(6,241)
South Dakota.....	597	3,076	(2,479)	672	3,320	(2,648)
Tennessee.....	11,621	23,418	(11,796)	12,612	25,374	(12,763)
Texas.....	95,396	87,918	7,479	98,846	96,075	2,771
Utah.....	4,543	9,379	(4,836)	4,115	10,214	(6,099)
Vermont.....	2,521	2,493	28	2,627	2,689	(62)
Virginia.....	10,796	29,477	(18,681)	10,853	32,083	(21,231)
Washington.....	34,627	24,539	10,088	34,173	26,633	7,540
West Virginia.....	2,237	7,300	(5,063)	2,380	7,864	(5,484)
Wisconsin.....	10,684	22,002	(11,317)	11,510	23,770	(12,260)
Wyoming.....	553	2,018	(1,464)	582	2,177	(1,596)

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## Total Foreign Trade Per Capita In The States

Merchandise Trade \$ PER CAPITA	2002			2003		
	Exports	Imports*	Balance	Exports	Imports*	Balance
United States.....	\$2,368	\$4,045	(\$1,677)	\$2,454	\$4,344	(\$1,889)
Alabama.....	1,846	4,045	(2,199)	1,853	4,344	(2,491)
Alaska.....	3,923	4,045	(122)	4,221	4,344	(123)
Arizona.....	2,182	4,045	(1,863)	2,387	4,344	(1,956)
Arkansas.....	1,036	4,045	(3,009)	1,087	4,344	(3,257)
California.....	2,635	4,045	(1,410)	2,649	4,344	(1,695)
Colorado.....	1,227	4,045	(2,818)	1,342	4,344	(3,001)
Connecticut.....	2,404	4,045	(1,641)	2,336	4,344	(2,008)
Delaware.....	2,486	4,045	(1,558)	2,307	4,344	(2,036)
District of Columbia.	1,873	4,045	(2,172)	1,436	4,344	(2,907)
Florida.....	1,470	4,045	(2,574)	1,466	4,344	(2,877)
Georgia.....	1,687	4,045	(2,358)	1,875	4,344	(2,468)
Hawaii.....	414	4,045	(3,631)	293	4,344	(4,051)
Idaho.....	1,464	4,045	(2,580)	1,534	4,344	(2,810)
Illinois.....	2,041	4,045	(2,004)	2,092	4,344	(2,251)
Indiana.....	2,424	4,045	(1,621)	2,647	4,344	(1,696)
Iowa.....	1,620	4,045	(2,425)	1,779	4,344	(2,565)
Kansas.....	1,840	4,045	(2,205)	1,672	4,344	(2,672)
Kentucky.....	2,593	4,045	(1,451)	2,607	4,344	(1,737)
Louisiana.....	3,924	4,045	(120)	4,090	4,344	(254)
Maine.....	1,524	4,045	(2,521)	1,676	4,344	(2,668)
Maryland.....	821	4,045	(3,224)	897	4,344	(3,447)
Massachusetts.....	2,602	4,045	(1,443)	2,901	4,344	(1,443)
Michigan.....	3,363	4,045	(682)	3,268	4,344	(1,076)
Minnesota.....	2,070	4,045	(1,974)	2,227	4,344	(2,117)
Mississippi.....	1,067	4,045	(2,978)	888	4,344	(3,456)
Missouri.....	1,198	4,045	(2,847)	1,268	4,344	(3,076)
Montana.....	424	4,045	(3,621)	394	4,344	(3,950)
Nebraska.....	1,463	4,045	(2,582)	1,566	4,344	(2,778)
Nevada.....	543	4,045	(3,502)	907	4,344	(3,437)
New Hampshire.....	1,462	4,045	(2,583)	1,500	4,344	(2,844)
New Jersey.....	1,983	4,045	(2,062)	1,947	4,344	(2,397)
New Mexico.....	646	4,045	(3,399)	1,241	4,344	(3,103)
New York.....	1,932	4,045	(2,112)	2,042	4,344	(2,302)
North Carolina.....	1,772	4,045	(2,273)	1,927	4,344	(2,417)
North Dakota.....	1,356	4,045	(2,689)	1,347	4,344	(2,996)
Ohio.....	2,430	4,045	(1,615)	2,603	4,344	(1,741)
Oklahoma.....	700	4,045	(3,344)	757	4,344	(3,586)
Oregon.....	2,865	4,045	(1,179)	2,910	4,344	(1,434)
Pennsylvania.....	1,279	4,045	(2,766)	1,318	4,344	(3,026)
Rhode Island.....	1,049	4,045	(2,995)	1,094	4,344	(3,249)
South Carolina.....	2,353	4,045	(1,692)	2,839	4,344	(1,505)
South Dakota.....	785	4,045	(3,260)	880	4,344	(3,464)
Tennessee.....	2,007	4,045	(2,037)	2,159	4,344	(2,185)
Texas.....	4,389	4,045	344	4,469	4,344	125
Utah.....	1,959	4,045	(2,086)	1,750	4,344	(2,594)
Vermont.....	4,090	4,045	45	4,243	4,344	(101)
Virginia.....	1,481	4,045	(2,563)	1,469	4,344	(2,874)
Washington.....	5,707	4,045	1,663	5,573	4,344	1,230
West Virginia.....	1,240	4,045	(2,805)	1,315	4,344	(3,029)
Wisconsin.....	1,964	4,045	(2,080)	2,103	4,344	(2,240)
Wyoming.....	1,109	4,045	(2,935)	1,160	4,344	(3,183)

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## Total Foreign Trade Per Capita In The States

Merchandise Trade \$ PER CAPITA	----- 2002 -----			----- 2003 -----		
	Exports	Imports*	Balance	Exports	Imports*	Balance
Hawaii.....	\$414	\$4,045	(\$3,631)	\$293	\$4,344	(\$4,051)
Montana.....	424	4,045	(3,621)	394	4,344	(3,950)
Oklahoma.....	700	4,045	(3,344)	757	4,344	(3,586)
South Dakota.....	785	4,045	(3,260)	880	4,344	(3,464)
Mississippi.....	1,067	4,045	(2,978)	888	4,344	(3,456)
Maryland.....	821	4,045	(3,224)	897	4,344	(3,447)
Nevada.....	543	4,045	(3,502)	907	4,344	(3,437)
Arkansas.....	1,036	4,045	(3,009)	1,087	4,344	(3,257)
Rhode Island.....	1,049	4,045	(2,995)	1,094	4,344	(3,249)
Wyoming.....	1,109	4,045	(2,935)	1,160	4,344	(3,183)
New Mexico.....	646	4,045	(3,399)	1,241	4,344	(3,103)
Missouri.....	1,198	4,045	(2,847)	1,268	4,344	(3,076)
West Virginia.....	1,240	4,045	(2,805)	1,315	4,344	(3,029)
Pennsylvania.....	1,279	4,045	(2,766)	1,318	4,344	(3,026)
Colorado.....	1,227	4,045	(2,818)	1,342	4,344	(3,001)
North Dakota.....	1,356	4,045	(2,689)	1,347	4,344	(2,996)
District of Columbia.....	1,873	4,045	(2,172)	1,436	4,344	(2,907)
Florida.....	1,470	4,045	(2,574)	1,466	4,344	(2,877)
Virginia.....	1,481	4,045	(2,563)	1,469	4,344	(2,874)
New Hampshire.....	1,462	4,045	(2,583)	1,500	4,344	(2,844)
Idaho.....	1,464	4,045	(2,580)	1,534	4,344	(2,810)
Nebraska.....	1,463	4,045	(2,582)	1,566	4,344	(2,778)
Kansas.....	1,840	4,045	(2,205)	1,672	4,344	(2,672)
Maine.....	1,524	4,045	(2,521)	1,676	4,344	(2,668)
Utah.....	1,959	4,045	(2,086)	1,750	4,344	(2,594)
Iowa.....	1,620	4,045	(2,425)	1,779	4,344	(2,565)
Alabama.....	1,846	4,045	(2,199)	1,853	4,344	(2,491)
Georgia.....	1,687	4,045	(2,358)	1,875	4,344	(2,468)
North Carolina.....	1,772	4,045	(2,273)	1,927	4,344	(2,417)
New Jersey.....	1,983	4,045	(2,062)	1,947	4,344	(2,397)
New York.....	1,932	4,045	(2,112)	2,042	4,344	(2,302)
Illinois.....	2,041	4,045	(2,004)	2,092	4,344	(2,251)
Wisconsin.....	1,964	4,045	(2,080)	2,103	4,344	(2,240)
Tennessee.....	2,007	4,045	(2,037)	2,159	4,344	(2,185)
Minnesota.....	2,070	4,045	(1,974)	2,227	4,344	(2,117)
Delaware.....	2,486	4,045	(1,558)	2,307	4,344	(2,036)
Connecticut.....	2,404	4,045	(1,641)	2,336	4,344	(2,008)
Arizona.....	2,182	4,045	(1,863)	2,387	4,344	(1,956)
<b>US Totals.....</b>	<b>2,368</b>	<b>4,045</b>	<b>(1,677)</b>	<b>2,454</b>	<b>4,344</b>	<b>(1,889)</b>
<b>Ohio.....</b>	<b>2,430</b>	<b>4,045</b>	<b>(1,615)</b>	<b>2,603</b>	<b>4,344</b>	<b>(1,741)</b>
Kentucky.....	2,593	4,045	(1,451)	2,607	4,344	(1,737)
Indiana.....	2,424	4,045	(1,621)	2,647	4,344	(1,696)
California.....	2,635	4,045	(1,410)	2,649	4,344	(1,695)
South Carolina.....	2,353	4,045	(1,692)	2,839	4,344	(1,505)
Massachusetts.....	2,602	4,045	(1,443)	2,901	4,344	(1,443)
Oregon.....	2,865	4,045	(1,179)	2,910	4,344	(1,434)
Michigan.....	3,363	4,045	(682)	3,268	4,344	(1,076)
Louisiana.....	3,924	4,045	(120)	4,090	4,344	(254)
Alaska.....	3,923	4,045	(122)	4,221	4,344	(123)
Vermont.....	4,090	4,045	45	4,243	4,344	(101)
Texas.....	4,389	4,045	344	4,469	4,344	125
Washington.....	5,707	4,045	1,663	5,573	4,344	1,230

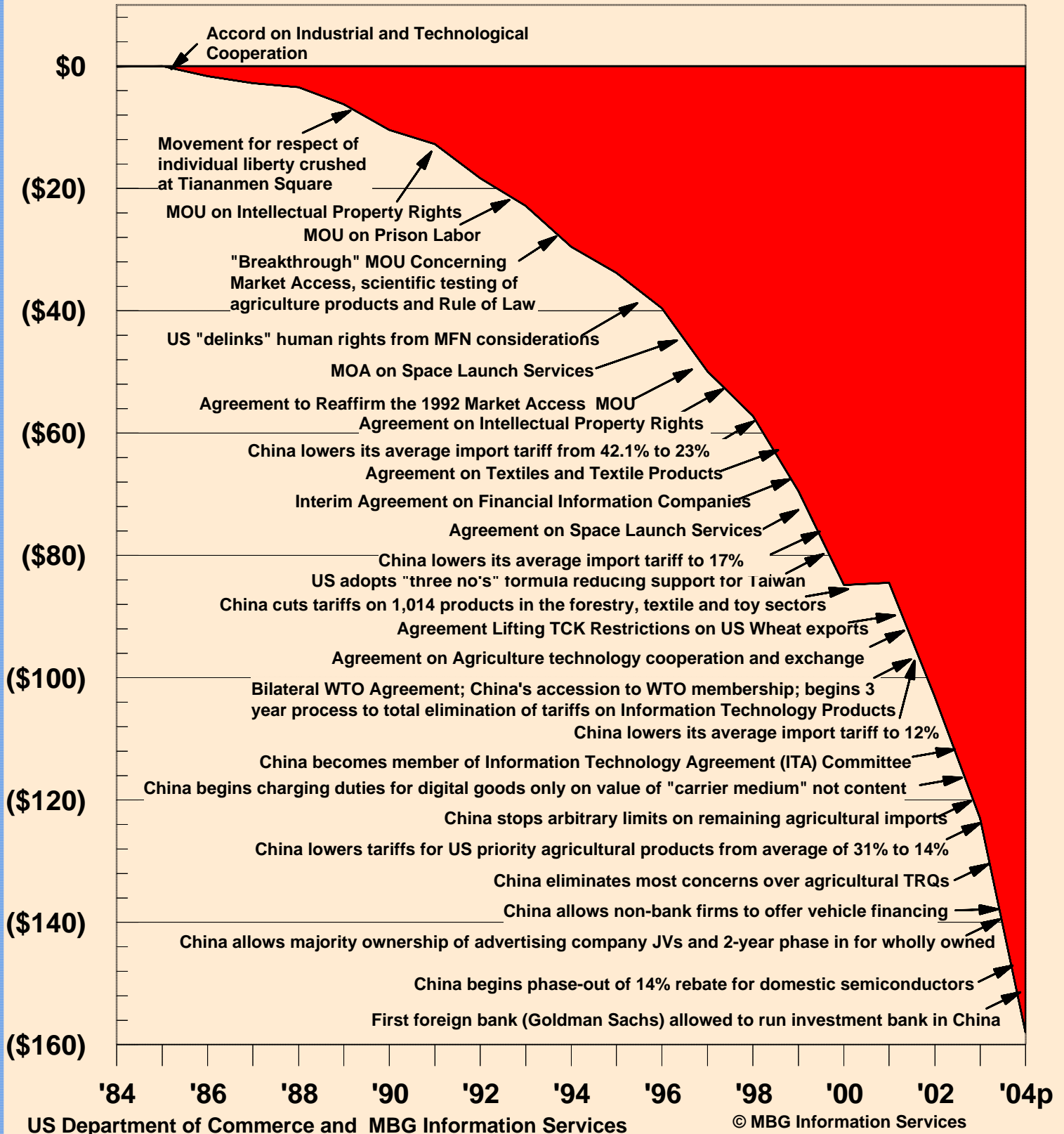
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# US Goods Trade Balance With China:

Tariff Cuts, Agreements, 20 Years of MFN, WTO and Accelerating Collapse

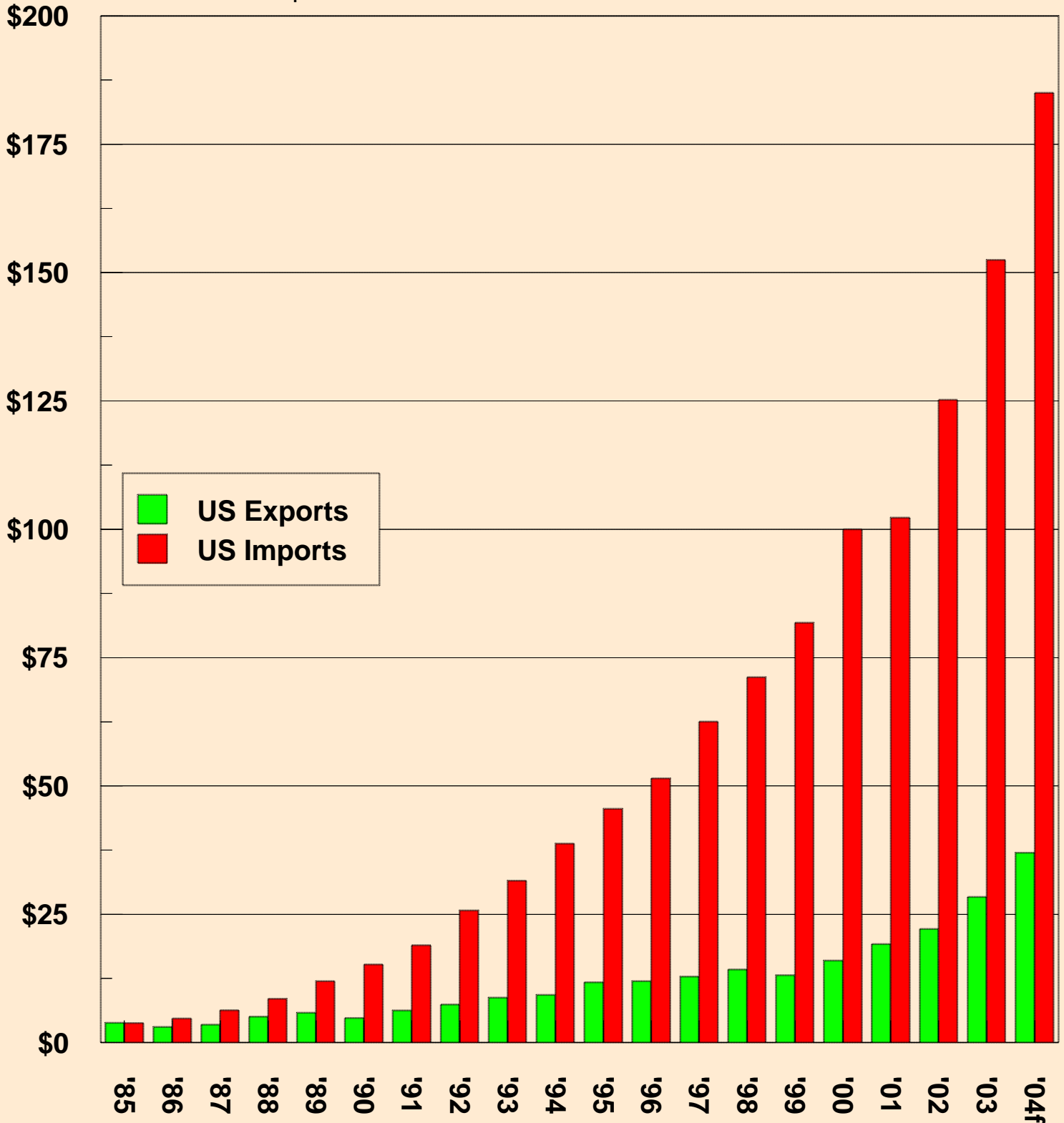
## \$ Billions Per Year: US Merchandise Net Exports



# U.S. Goods Trade With China:

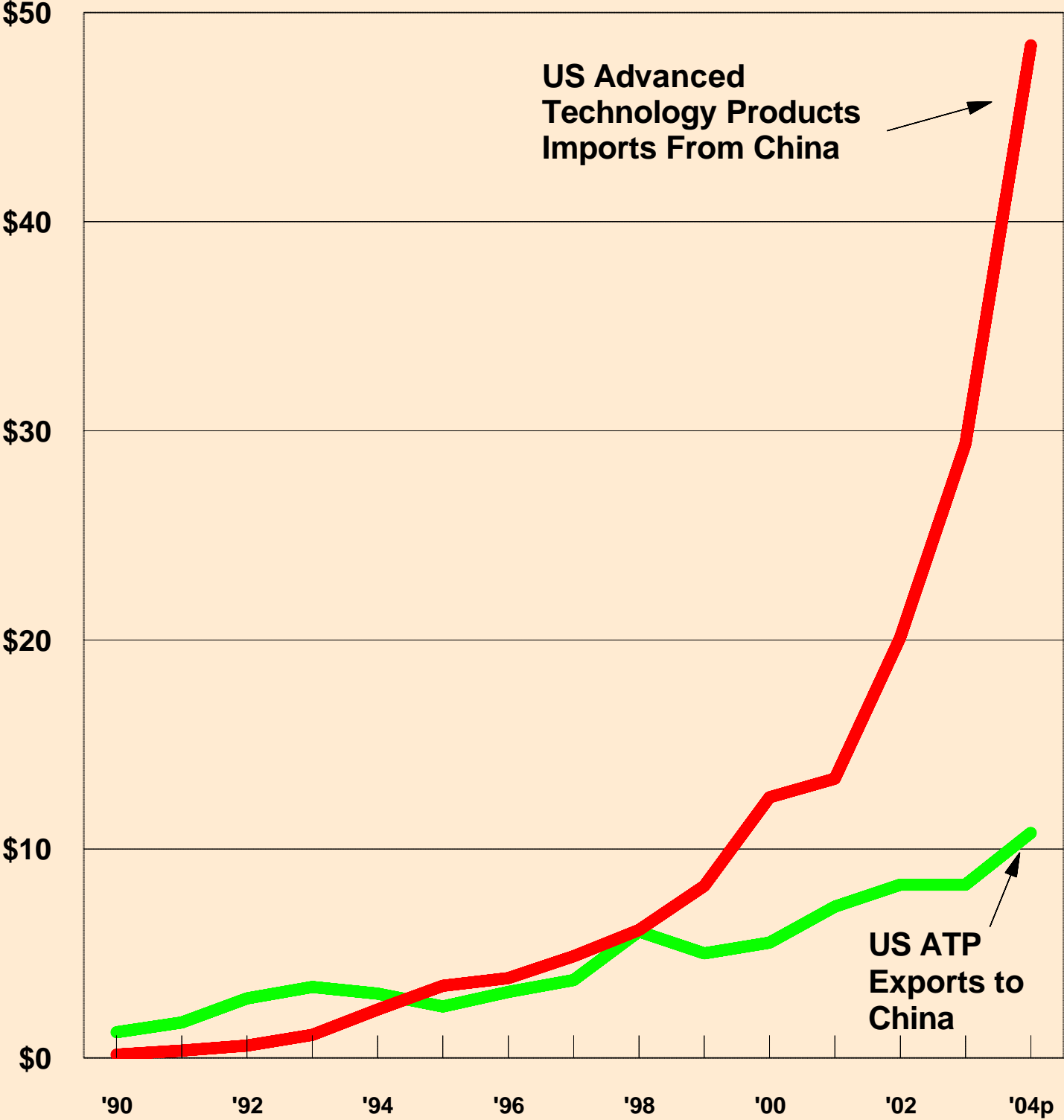
## 6 to 1 Imbalance of Payments to Earnings

\$ Billions Per Year: Merchandise Trade



# US Advanced Tech Trade With China

\$ Billion US ATP Exports and Imports With China





## The World's Most Unequal Trading Relationship: US Trade With China

### From 1995 - 2004, US Payments for Imports Exceed Earnings From Exports By \$801 Billion

HS Industry Codes: \$Millions	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004p	Totals 1995-'04
Merchandise Totals.....	(\$22,768)	(\$29,494)	(\$33,807)	(\$39,517)	(\$49,747)	(\$56,898)	(\$68,668)	(\$83,833)	(\$83,096)	(\$103,065)	(\$124,068)	(\$158,505)	(\$801,204)
84 Mechanical/Computers.....	262	(445)	(1,434)	(2,172)	(3,516)	(4,899)	(7,602)	(9,911)	(9,668)	(16,119)	(25,291)	(37,949)	(118,560)
85 Electrical Machinery And Equipment And Parts There..	(3,541)	(5,603)	(6,615)	(7,474)	(9,041)	(11,013)	(13,067)	(16,831)	(16,295)	(20,463)	(24,004)	(34,960)	(159,763)
95 Toys, Games And Sports Equipment; Parts & Access..	(4,154)	(5,134)	(6,151)	(7,368)	(9,250)	(10,506)	(11,041)	(12,354)	(12,186)	(14,417)	(16,082)	(16,696)	(116,050)
94 Furniture; Bedding, Cushions Etc.; Lamps And Light....	(1,052)	(1,539)	(1,920)	(2,297)	(2,966)	(3,901)	(5,485)	(7,117)	(7,404)	(9,844)	(11,738)	(14,451)	(67,123)
64 Footwear, Gaiters And The Like; Parts Of Such Arti....	(4,515)	(5,251)	(5,815)	(6,383)	(7,393)	(7,978)	(8,393)	(9,142)	(9,710)	(10,192)	(10,527)	(11,025)	(86,559)
62 Articles Of Apparel And Clothing Accessories, Not.....	(3,784)	(3,508)	(3,273)	(3,508)	(4,158)	(3,808)	(3,746)	(4,164)	(4,126)	(4,464)	(5,485)	(6,281)	(43,013)
42 Articles Of Leather; Saddlery And Harness; Travel.....	(1,938)	(2,485)	(2,534)	(2,623)	(2,956)	(2,921)	(3,002)	(3,827)	(3,898)	(4,465)	(5,043)	(5,727)	(36,995)
73 Articles Of Iron Or Steel.....	(265)	(382)	(448)	(566)	(800)	(1,043)	(1,301)	(1,800)	(2,020)	(2,438)	(3,085)	(4,078)	(17,579)
61 Articles Of Apparel And Clothing Accessories, Knit.....	(1,505)	(1,570)	(1,372)	(1,510)	(1,832)	(1,857)	(2,022)	(2,032)	(2,273)	(2,614)	(3,193)	(4,032)	(22,737)
39 Plastics And Articles Thereof.....	(871)	(1,153)	(1,272)	(1,338)	(1,550)	(1,655)	(1,949)	(2,194)	(2,398)	(2,782)	(3,036)	(3,219)	(21,394)
63 Made-Up Textile Articles Nesoi; Needlecraft Sets;.....	(493)	(579)	(634)	(584)	(710)	(810)	(960)	(1,097)	(1,201)	(1,647)	(2,353)	(3,113)	(13,109)
87 Vehicles, Other Than Railway Or Tramway Rolling St...	500	(91)	(330)	(386)	(368)	(710)	(857)	(1,759)	(1,299)	(1,657)	(2,035)	(2,675)	(12,075)
71 Natural Or Cultured Pearls, Precious Or Semiprecio....	(149)	(189)	(230)	(258)	(323)	(372)	(491)	(669)	(803)	(1,144)	(1,393)	(1,800)	(7,483)
83 Miscellaneous Articles Of Base Metal.....	(198)	(239)	(311)	(374)	(438)	(546)	(715)	(836)	(963)	(1,256)	(1,415)	(1,787)	(8,642)
90 Optical, Photographic, Cinematographic, Measuring....	(23)	(343)	(824)	(1,051)	(1,348)	(1,547)	(1,510)	(1,994)	(1,510)	(1,517)	(1,649)	(1,563)	(14,512)
82 Tools, Implements, Cutlery, Spoons And Forks.....	(226)	(273)	(348)	(369)	(489)	(575)	(740)	(878)	(941)	(1,110)	(1,373)	(1,535)	(8,356)
44 Wood And Articles Of Wood; Wood Charcoal.....	(48)	(132)	(196)	(226)	(294)	(417)	(540)	(658)	(701)	(837)	(1,020)	(1,299)	(6,190)
96 Miscellaneous Manufactured Articles.....	(222)	(277)	(343)	(383)	(466)	(533)	(751)	(740)	(841)	(913)	(1,024)	(1,206)	(7,199)
69 Ceramic Products.....	(330)	(417)	(532)	(576)	(671)	(742)	(762)	(869)	(864)	(1,025)	(1,112)	(1,112)	(8,266)
67 Prepared Feathers And Down And Articles Thereof.....	(466)	(566)	(642)	(604)	(700)	(780)	(869)	(927)	(958)	(1,047)	(1,092)	(1,093)	(8,711)
49 Printed Books, Newspapers, Pictures And Other Prin...	(37)	(59)	(76)	(86)	(106)	(108)	(203)	(325)	(378)	(529)	(653)	(941)	(3,405)
40 Rubber And Articles Thereof.....	(53)	(80)	(122)	(154)	(207)	(283)	(366)	(413)	(403)	(581)	(699)	(937)	(4,164)
48 Paper And Paperboard; Articles Of Paper Pulp, Pape...	(18)	(54)	(100)	(19)	(53)	(68)	(132)	(227)	(306)	(403)	(612)	(835)	(2,756)
03 Fish And Crustaceans, Molluscs And Other Aquatic I...	(259)	(200)	(206)	(180)	(181)	(230)	(267)	(385)	(446)	(566)	(722)	(778)	(3,959)
27 Mineral Fuels, Mineral Oils And Products Of Their.....	18	(301)	(413)	(446)	(331)	(261)	(126)	(672)	(292)	(323)	(319)	(775)	(3,956)
68 Articles Of Stone, Plaster, Cement, Asbestos, Mica.....	(28)	(81)	(116)	(162)	(258)	(301)	(414)	(565)	(601)	(690)	(712)	(764)	(4,584)
65 Headgear And Parts Thereof.....	(189)	(198)	(168)	(196)	(209)	(257)	(285)	(324)	(334)	(479)	(628)	(738)	(3,617)
91 Clocks And Watches And Parts Thereof.....	(260)	(333)	(345)	(402)	(466)	(538)	(579)	(641)	(603)	(623)	(682)	(721)	(5,601)
70 Glass And Glassware.....	(50)	(68)	(96)	(127)	(141)	(142)	(258)	(312)	(440)	(544)	(621)	(673)	(3,354)
92 Musical Instruments; Parts And Accessories Thereof...	(92)	(119)	(159)	(188)	(220)	(225)	(266)	(306)	(317)	(391)	(439)	(539)	(3,049)
20 Preparations Of Vegetables, Fruit, Nuts, Or Other.....	(65)	(71)	(107)	(133)	(146)	(137)	(119)	(125)	(143)	(184)	(295)	(397)	(1,787)
16 Edible Preparations Of Meat, Fish, Crustaceans, Mo...	(9)	(13)	(23)	(24)	(24)	(23)	(70)	(50)	(87)	(155)	(233)	(323)	(1,012)
66 Umbrellas, Sun Umbrellas, Walking-Sticks, Seat-Sti...	(110)	(118)	(128)	(134)	(163)	(182)	(183)	(216)	(234)	(218)	(264)	(299)	(2,021)
46 Manufactures Of Straw, Esparto Or Other Plaiting M....	(151)	(160)	(177)	(175)	(174)	(191)	(196)	(213)	(229)	(279)	(304)	(296)	(2,236)
57 Carpets And Other Textile Floor Coverings.....	(154)	(144)	(197)	(141)	(162)	(188)	(188)	(213)	(214)	(253)	(277)	(288)	(2,121)
98 Special Classification Provisions, Nesoi.....	2	(37)	(24)	(31)	(83)	(104)	(129)	(158)	(224)	(216)	(307)	(287)	(1,564)
05 Products Of Animal Origin, Nesoi.....	(43)	(57)	(73)	(65)	(77)	(96)	(94)	(150)	(131)	(159)	(181)	(250)	(1,278)
28 Inorganic Chemicals; Organic Or Inorganic Compound	(111)	(149)	(168)	(226)	(245)	(277)	(295)	(250)	(324)	(359)	(337)	(236)	(2,716)

## The World's Most Unequal Trading Relationship: US Trade With China

### From 1995 - 2004, US Payments for Imports Exceed Earnings From Exports By \$801 Billion

HS Industry Codes: \$Millions	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004p	Totals 1995-'04
76 Aluminum And Articles Thereof.....	\$28	\$37	\$92	\$105	\$103	\$13	\$33	\$132	\$85	(\$91)	(\$122)	(\$234)	\$116
25 Salt; Sulfur; Earths And Stone; Plastering Materia.....	(64)	(80)	(134)	(117)	(212)	(272)	(211)	(226)	(223)	(167)	(178)	(230)	(1,971)
33 Essential Oils And Resinoids; Perfumery, Cosmetic.....	(21)	(26)	(42)	(34)	(31)	(61)	(74)	(86)	(132)	(164)	(165)	(193)	(982)
34 Soap Etc.; Lubricating Products; Waxes, Polishing.....	(14)	(29)	(50)	(63)	(66)	(90)	(122)	(140)	(133)	(164)	(169)	(192)	(1,190)
36 Explosives; Pyrotechnic Products; Matches; Pyropho...	(73)	(76)	(78)	(92)	(95)	(106)	(128)	(118)	(130)	(141)	(171)	(176)	(1,234)
97 Works Of Art, Collectors' Pieces And Antiques.....	(70)	(54)	(50)	(93)	(79)	(147)	(156)	(162)	(153)	(149)	(161)	(173)	(1,323)
81 Base Metals Nesoi; Cermets; Articles Thereof.....	(43)	(73)	(76)	(75)	(94)	(105)	(124)	(110)	(107)	(47)	(40)	(162)	(942)
43 Furskins And Artificial Fur; Manufactures Thereof.....	(28)	(38)	(27)	(40)	(45)	(42)	(41)	(73)	(87)	(91)	(118)	(151)	(714)
07 Edible Vegetables And Certain Roots And Tubers.....	(48)	(44)	(38)	(35)	(37)	(49)	(56)	(45)	(55)	(83)	(89)	(130)	(615)
58 Special Woven Fabrics; Tufted Textile Fabrics; Lac.....	(29)	(31)	(31)	(36)	(65)	(53)	(48)	(51)	(49)	(70)	(95)	(114)	(612)
86 Railway Or Tramway Locomotives, Rolling Stock, Tra..	9	12	(22)	3	(7)	(28)	(42)	(45)	(24)	(36)	(91)	(106)	(399)
08 Edible Fruit And Nuts; Peel Of Citrus Fruit Or Mel.....	(16)	(11)	(10)	(20)	(20)	(13)	(31)	6	7	(4)	(12)	(105)	(202)
09 Coffee, Tea, Mate And Spices.....	(35)	(43)	(35)	(36)	(39)	(46)	(43)	(44)	(46)	(55)	(68)	(83)	(494)
80 Tin And Articles Thereof.....	(30)	(35)	(61)	(41)	(38)	(66)	(90)	(92)	(82)	(48)	(50)	(77)	(645)
53 Vegetable Textile Fibers Nesoi; Yarns & Woven Fa.....	(24)	(24)	(18)	(19)	(25)	(23)	(26)	(29)	(16)	(21)	(28)	(72)	(276)
60 Knitted Or Crocheted Fabrics.....	(5)	(2)	1	0	(11)	(6)	1	1	5	(35)	(46)	(61)	(149)
30 Pharmaceutical Products.....	(20)	(26)	(10)	(21)	(62)	(86)	(118)	(136)	(27)	(8)	(26)	(60)	(554)
54 Manmade Filaments, Including Yarns & Woven Fabri...	(4)	0	5	5	(13)	(7)	1	(7)	3	11	9	(53)	(47)
93 Arms And Ammunition; Parts & Accessories Thereof...	(105)	(59)	(10)	(3)	(0)	(4)	(8)	(10)	(15)	(32)	(38)	(52)	(173)
37 Photographic Or Cinematographic Goods.....	5	(1)	(9)	0	(2)	9	27	38	36	72	95	(52)	214
50 Silk, Including Yarns And Woven Fabrics Thereof.....	(31)	(26)	(23)	(62)	(100)	(91)	(66)	(57)	(37)	(35)	(38)	(50)	(560)
13 Lac; Gums; Resins And Other Vegetable Saps.....	(16)	(12)	(23)	(34)	(49)	(70)	(45)	(39)	(30)	(34)	(34)	(43)	(401)
19 Preparations Of Cereals, Flour, Starch Or Milk; Ba.....	(11)	(14)	(18)	(18)	(16)	(21)	(23)	(19)	(22)	(28)	(34)	(39)	(237)
24 Tobacco And Manufactured Tobacco Substitutes.....	(17)	(1)	3	(7)	(4)	(4)	(3)	(18)	(24)	(33)	(12)	(29)	(131)
32 Tanning Or Dyeing Extracts; Tannins And Derivative...	(12)	(14)	(25)	(28)	(43)	(66)	(56)	(30)	6	(19)	(26)	(29)	(316)
79 Zinc And Articles Thereof.....	(10)	(14)	(16)	(21)	(38)	(90)	(101)	(65)	(73)	(74)	(50)	(26)	(554)
22 Beverages, Spirits And Vinegar.....	(8)	(5)	(6)	(6)	(7)	(6)	(7)	(13)	(18)	(22)	(18)	(18)	(121)
89 Ships, Boats And Floating Structures.....	9	4	(1)	0	(5)	(32)	(14)	(19)	(51)	(25)	(23)	(15)	(185)
11 Milling Industry Products; Malt; Starches; Inulin;.....	(1)	(4)	(2)	(3)	(3)	(1)	(1)	(0)	2	(0)	(5)	(14)	(28)
06 Live Trees And Other Plants; Bulbs, Roots And The....	(3)	(3)	(3)	(6)	(3)	(3)	(4)	(6)	(9)	(11)	(14)	(14)	(72)
17 Sugars And Sugar Confectionary.....	(4)	(4)	(4)	(5)	(8)	(8)	(8)	(8)	(4)	(34)	(29)	(14)	(121)
45 Cork And Articles Of Cork.....	(0)	0	0	0	(0)	2	(0)	(1)	(1)	(2)	(5)	(10)	(17)
01 Live Animals.....	7	8	8	6	6	4	4	4	3	2	9	(9)	37
56 Wadding, Felt And Nonwovens; Special Yarns; Twine.,	(5)	(5)	(14)	(8)	(9)	(12)	(18)	(21)	(24)	(6)	(6)	(9)	(127)
04 Dairy Produce; Birds' Eggs; Natural Honey; Edible.....	(28)	(22)	(13)	(28)	(17)	(11)	(15)	(14)	4	11	(10)	(8)	(101)
18 Cocoa And Cocoa Preparations.....	(28)	(20)	(20)	(33)	(42)	(29)	(15)	(10)	(5)	(1)	0	(3)	(159)
59 Impregnated, Coated, Covered Or Laminated Textile...	2	1	2	2	5	1	9	6	6	2	2	(2)	33
78 Lead And Articles Thereof.....	0	(0)	(0)	0	(0)	(7)	(23)	(33)	(16)	2	12	0	(66)
29 Organic Chemicals.....	(8)	(42)	(97)	(182)	(264)	(303)	(305)	(193)	(317)	(195)	17	1	(1,837)

## The World's Most Unequal Trading Relationship: US Trade With China

### From 1995 - 2004, US Payments for Imports Exceed Earnings From Exports By \$801 Billion

HS Industry Codes: \$Millions	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004p	Totals 1995-'04
51 Wool And Fine Or Coarse Animal Hair, Including Yar...	(\$5)	(\$6)	\$2	(\$1)	(\$13)	(\$11)	(\$8)	(\$5)	(\$3)	(\$2)	\$4	\$2	(\$34)
14 Vegetable Plaiting Materials And Vegetable Product....	(6)	(5)	(0)	(4)	(1)	0	0	4	(4)	(6)	(6)	3	(15)
23 Residues And Waste From The Food Industries; Prepr...	2	2	10	131	103	187	26	50	42	51	47	10	657
15 Animal Or Vegetable Fats And Oils And Their Cleava..	0	132	393	106	160	310	68	13	8	22	94	17	1,192
35 Albuminoidal Substances; Modified Starches; Glues;...	2	4	(1)	3	9	8	5	18	35	25	36	47	185
75 Nickel And Articles Thereof.....	3	(1)	3	3	7	6	5	11	17	22	26	48	148
02 Meat And Edible Meat Offal.....	18	27	35	64	62	53	58	60	66	74	134	62	668
55 Manmade Staple Fibers, Including Yarns & Wovens.....	49	74	153	108	37	13	24	29	56	47	47	123	637
21 Miscellaneous Edible Preparations.....	(12)	(12)	(12)	(9)	(11)	(8)	(17)	2	23	5	98	145	216
10 Cereals.....	274	168	1,144	441	43	90	40	28	21	28	13	262	2,110
31 Fertilizers.....	293	944	1,204	890	1,049	1,063	931	607	398	672	402	380	7,595
74 Copper And Articles Thereof.....	34	29	81	43	(6)	(10)	(32)	140	140	154	435	467	1,411
72 Iron And Steel.....	65	2	(57)	(141)	(140)	(161)	(85)	(122)	261	251	882	491	1,179
41 Raw Hides And Skins (Other Than Furskins).....	21	54	105	116	134	157	126	270	428	427	477	568	2,808
38 Miscellaneous Chemical Products.....	31	22	70	42	59	68	95	125	133	135	96	638	1,462
47 Pulp Of Wood Or Other Fibrous Cellulosic Material;....	46	105	184	187	148	156	193	274	329	414	605	852	3,341
26 Ores, Slag And Ash.....	(11)	(20)	8	52	(10)	(13)	1	9	5	(7)	34	1,204	1,280
12 Oil Seeds And Oleaginous Fruits (Soy Beans).....	(16)	(35)	6	367	355	225	288	968	964	956	2,846	1,762	8,737
88 Aircraft, Spacecraft, And Parts Thereof.....	2,172	1,885	1,152	1,681	2,086	3,545	2,290	1,658	2,389	3,374	2,368	2,346	22,889
52 Cotton, Including Yarns And Woven Fabrics Thereof....	(188)	496	691	615	419	4	(174)	(132)	(101)	(29)	586	3,081	4,960

2004 figures are projected from year-to-July, 2004

US Dept. of Commerce, Bureau of the Census and MBG Information Services

## China Trade: All States Have Deficits, Most Worsening Rapidly

Merchandise Trade \$1,000	2002			2003		
	Exports	Imports*	Balance	Exports	Imports*	Balance
United States.....	22,127,790	125,192,465	(103,064,675)	28,367,943	152,436,097	(124,068,154)
Alabama.....	234,284	1,947,135	(1,712,850)	355,756	2,359,195	(2,003,440)
Alaska.....	147,847	278,875	(131,028)	153,860	340,096	(186,236)
Arizona.....	380,367	2,365,450	(1,985,083)	741,260	2,925,339	(2,184,078)
Arkansas.....	43,646	1,176,511	(1,132,864)	141,452	1,428,759	(1,287,308)
California.....	4,482,407	15,216,603	(10,734,197)	5,465,042	18,600,171	(13,135,129)
Colorado.....	153,072	1,956,766	(1,803,694)	213,248	2,385,371	(2,172,123)
Connecticut.....	119,186	1,503,570	(1,384,384)	157,423	1,825,907	(1,668,484)
Delaware.....	56,813	350,373	(293,560)	76,382	428,511	(352,129)
District of Columbia.....	5,542	247,433	(241,891)	2,113	295,314	(293,200)
Florida.....	724,506	7,256,474	(6,531,968)	649,474	8,921,022	(8,271,548)
Georgia.....	415,619	3,714,382	(3,298,763)	644,199	4,552,337	(3,908,138)
Hawaii.....	7,998	539,360	(531,362)	12,876	659,210	(646,334)
Idaho.....	88,275	583,904	(495,628)	106,582	716,201	(609,620)
Illinois.....	660,621	5,471,774	(4,811,153)	794,203	6,632,710	(5,838,507)
Indiana.....	187,176	2,676,628	(2,489,452)	235,552	3,247,620	(3,012,068)
Iowa.....	78,306	1,276,314	(1,198,008)	92,955	1,543,213	(1,450,258)
Kansas.....	199,960	1,178,902	(978,942)	175,806	1,427,603	(1,251,797)
Kentucky.....	129,213	1,777,990	(1,648,777)	236,425	2,158,474	(1,922,050)
Louisiana.....	767,897	1,945,959	(1,178,062)	2,117,340	2,356,880	(239,539)
Maine.....	48,236	562,936	(514,700)	78,307	684,434	(606,127)
Maryland.....	138,065	2,369,536	(2,231,471)	193,955	2,887,649	(2,693,694)
Massachusetts.....	384,382	2,791,784	(2,407,402)	571,802	3,372,258	(2,800,457)
Michigan.....	284,754	4,366,144	(4,081,390)	366,702	5,283,707	(4,917,005)
Minnesota.....	304,617	2,184,455	(1,879,838)	377,559	2,652,013	(2,274,454)
Mississippi.....	138,044	1,246,270	(1,108,227)	109,409	1,510,304	(1,400,895)
Missouri.....	129,711	2,464,752	(2,335,041)	260,181	2,990,165	(2,729,984)
Montana.....	5,131	395,771	(390,640)	10,249	480,997	(470,748)
Nebraska.....	75,587	751,033	(675,446)	84,125	911,698	(827,573)
Nevada.....	20,069	942,269	(922,200)	24,387	1,174,764	(1,150,377)
New Hampshire.....	41,971	554,029	(512,058)	73,267	674,977	(601,710)
New Jersey.....	423,443	3,727,966	(3,304,523)	502,168	4,528,057	(4,025,889)
New Mexico.....	47,713	805,149	(757,436)	206,759	982,631	(775,872)
New York.....	1,118,132	8,318,355	(7,200,223)	1,445,174	10,059,037	(8,613,862)
North Carolina.....	365,820	3,610,834	(3,245,014)	649,263	4,406,895	(3,757,632)
North Dakota.....	3,691	275,584	(271,893)	5,741	332,243	(326,502)
Ohio.....	510,718	4,959,766	(4,449,048)	643,691	5,994,394	(5,350,703)
Oklahoma.....	48,839	1,517,096	(1,468,257)	64,579	1,840,668	(1,776,089)
Oregon.....	681,642	1,530,423	(848,781)	574,875	1,865,862	(1,290,987)
Pennsylvania.....	424,484	5,359,778	(4,935,294)	564,996	6,481,700	(5,916,704)
Rhode Island.....	31,719	464,439	(432,720)	35,816	564,102	(528,286)
South Carolina.....	236,522	1,784,054	(1,547,532)	286,945	2,173,846	(1,886,901)
South Dakota.....	9,716	330,589	(320,873)	10,425	400,634	(390,209)
Tennessee.....	339,196	2,517,029	(2,177,833)	636,172	3,062,116	(2,425,944)
Texas.....	2,064,267	9,449,811	(7,385,545)	3,059,559	11,594,037	(8,534,478)
Utah.....	64,156	1,008,060	(943,904)	114,031	1,232,587	(1,118,556)
Vermont.....	21,362	267,974	(246,613)	31,904	324,522	(292,618)
Virginia.....	368,600	3,168,277	(2,799,677)	521,175	3,871,752	(3,350,577)
Washington.....	3,830,513	2,637,566	1,192,947	3,211,196	3,213,969	(2,773)
West Virginia.....	144,898	784,647	(639,749)	132,576	948,948	(816,372)
Wisconsin.....	359,024	2,364,827	(2,005,803)	548,228	2,868,459	(2,320,231)
Wyoming.....	25,022	216,859	(191,837)	20,688	262,740	(242,052)

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## China Trade Per Capita In The States

Merchandise Trade \$ PER CAPITA	2002			2003		
	Exports	Imports*	Balance	Exports	Imports*	Balance
United States.....	\$77	\$435	(\$358)	\$98	\$524	(\$427)
Alabama.....	52	435	(382)	79	524	(445)
Alaska.....	230	435	(204)	237	524	(287)
Arizona.....	70	435	(365)	133	524	(391)
Arkansas.....	16	435	(419)	52	524	(472)
California.....	128	435	(307)	154	524	(370)
Colorado.....	34	435	(401)	47	524	(477)
Connecticut.....	34	435	(400)	45	524	(479)
Delaware.....	70	435	(364)	93	524	(431)
District of Columbia.	10	435	(425)	4	524	(520)
Florida.....	43	435	(391)	38	524	(486)
Georgia.....	49	435	(386)	74	524	(450)
Hawaii.....	6	435	(428)	10	524	(514)
Idaho.....	66	435	(369)	78	524	(446)
Illinois.....	52	435	(382)	63	524	(461)
Indiana.....	30	435	(404)	38	524	(486)
Iowa.....	27	435	(408)	32	524	(493)
Kansas.....	74	435	(361)	65	524	(460)
Kentucky.....	32	435	(403)	57	524	(467)
Louisiana.....	172	435	(263)	471	524	(53)
Maine.....	37	435	(397)	60	524	(464)
Maryland.....	25	435	(409)	35	524	(489)
Massachusetts.....	60	435	(375)	89	524	(435)
Michigan.....	28	435	(406)	36	524	(488)
Minnesota.....	61	435	(374)	75	524	(450)
Mississippi.....	48	435	(387)	38	524	(486)
Missouri.....	23	435	(412)	46	524	(479)
Montana.....	6	435	(429)	11	524	(513)
Nebraska.....	44	435	(391)	48	524	(476)
Nevada.....	9	435	(425)	11	524	(513)
New Hampshire.....	33	435	(402)	57	524	(467)
New Jersey.....	49	435	(385)	58	524	(466)
New Mexico.....	26	435	(409)	110	524	(414)
New York.....	58	435	(376)	75	524	(449)
North Carolina.....	44	435	(391)	77	524	(447)
North Dakota.....	6	435	(429)	9	524	(515)
Ohio.....	45	435	(390)	56	524	(468)
Oklahoma.....	14	435	(421)	18	524	(506)
Oregon.....	194	435	(241)	162	524	(363)
Pennsylvania.....	34	435	(400)	46	524	(478)
Rhode Island.....	30	435	(405)	33	524	(491)
South Carolina.....	58	435	(377)	69	524	(455)
South Dakota.....	13	435	(422)	14	524	(511)
Tennessee.....	59	435	(376)	109	524	(415)
Texas.....	95	435	(340)	138	524	(386)
Utah.....	28	435	(407)	48	524	(476)
Vermont.....	35	435	(400)	52	524	(473)
Virginia.....	51	435	(384)	71	524	(454)
Washington.....	631	435	197	524	524	(0)
West Virginia.....	80	435	(354)	73	524	(451)
Wisconsin.....	66	435	(369)	100	524	(424)
Wyoming.....	50	435	(385)	41	524	(483)

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## China Trade Per Capita In The States

Merchandise Trade \$ PER CAPITA	2002			2003		
	Exports	Imports*	Balance	Exports	Imports*	Balance
District of Columbia.	\$10	\$435	(\$425)	\$4	\$524	(\$520)
North Dakota.....	6	435	(429)	9	524	(515)
Hawaii.....	6	435	(428)	10	524	(514)
Nevada.....	9	435	(425)	11	524	(513)
Montana.....	6	435	(429)	11	524	(513)
South Dakota.....	13	435	(422)	14	524	(511)
Oklahoma.....	14	435	(421)	18	524	(506)
Iowa.....	27	435	(408)	32	524	(493)
Rhode Island.....	30	435	(405)	33	524	(491)
Maryland.....	25	435	(409)	35	524	(489)
Michigan.....	28	435	(406)	36	524	(488)
Mississippi.....	48	435	(387)	38	524	(486)
Indiana.....	30	435	(404)	38	524	(486)
Florida.....	43	435	(391)	38	524	(486)
Wyoming.....	50	435	(385)	41	524	(483)
Connecticut.....	34	435	(400)	45	524	(479)
Missouri.....	23	435	(412)	46	524	(479)
Pennsylvania.....	34	435	(400)	46	524	(478)
Colorado.....	34	435	(401)	47	524	(477)
Nebraska.....	44	435	(391)	48	524	(476)
Utah.....	28	435	(407)	48	524	(476)
Vermont.....	35	435	(400)	52	524	(473)
Arkansas.....	16	435	(419)	52	524	(472)
<b>Ohio.....</b>	<b>45</b>	<b>435</b>	<b>(390)</b>	<b>56</b>	<b>524</b>	<b>(468)</b>
New Hampshire.....	33	435	(402)	57	524	(467)
Kentucky.....	32	435	(403)	57	524	(467)
New Jersey.....	49	435	(385)	58	524	(466)
Maine.....	37	435	(397)	60	524	(464)
Illinois.....	52	435	(382)	63	524	(461)
Kansas.....	74	435	(361)	65	524	(460)
South Carolina.....	58	435	(377)	69	524	(455)
Virginia.....	51	435	(384)	71	524	(454)
West Virginia.....	80	435	(354)	73	524	(451)
Georgia.....	49	435	(386)	74	524	(450)
Minnesota.....	61	435	(374)	75	524	(450)
New York.....	58	435	(376)	75	524	(449)
North Carolina.....	44	435	(391)	77	524	(447)
Idaho.....	66	435	(369)	78	524	(446)
Alabama.....	52	435	(382)	79	524	(445)
Massachusetts.....	60	435	(375)	89	524	(435)
Delaware.....	70	435	(364)	93	524	(431)
<b>US Totals.....</b>	<b>77</b>	<b>435</b>	<b>(358)</b>	<b>98</b>	<b>524</b>	<b>(427)</b>
Wisconsin.....	66	435	(369)	100	524	(424)
Tennessee.....	59	435	(376)	109	524	(415)
New Mexico.....	26	435	(409)	110	524	(414)
Arizona.....	70	435	(365)	133	524	(391)
Texas.....	95	435	(340)	138	524	(386)
California.....	128	435	(307)	154	524	(370)
Oregon.....	194	435	(241)	162	524	(363)
Alaska.....	230	435	(204)	237	524	(287)
Louisiana.....	172	435	(263)	471	524	(53)
Washington.....	631	435	197	524	524	(0)

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## Worldwide Exports of the States

Merchandise ( \$ Million	1999	2000	2001	2002	2003
<b>US Totals.....</b>	<b>\$692,821</b>	<b>\$780,419</b>	<b>\$731,026</b>	<b>\$693,257</b>	<b>\$723,743</b>
Texas.....	83,177	103,866	94,995	95,396	98,846
California.....	97,920	119,640	106,777	92,214	93,995
New York.....	37,067	42,846	42,172	36,977	39,181
Washington.....	36,731	32,215	34,929	34,627	34,173
Michigan.....	31,086	33,845	32,366	33,775	32,941
<b>Ohio.....</b>	<b>24,883</b>	<b>26,322</b>	<b>27,095</b>	<b>27,723</b>	<b>29,764</b>
Illinois.....	29,432	31,438	30,434	25,686	26,473
Florida.....	24,155	26,543	27,185	24,544	24,953
Massachusetts.....	16,805	20,514	17,490	16,708	18,663
Louisiana.....	15,842	16,814	16,589	17,567	18,390
New Jersey.....	15,354	18,638	18,946	17,002	16,818
Indiana.....	12,910	15,386	14,365	14,923	16,402
Pennsylvania.....	16,170	18,792	17,433	15,768	16,299
Georgia.....	13,749	14,925	14,644	14,413	16,286
North Carolina.....	15,007	17,946	16,799	14,719	16,199
Arizona.....	11,824	14,334	12,514	11,871	13,323
Tennessee.....	9,868	11,592	11,320	11,621	12,612
South Carolina.....	7,150	8,565	9,956	9,656	11,773
Wisconsin.....	9,673	10,508	10,489	10,684	11,510
Minnesota.....	9,373	10,303	10,524	10,402	11,266
Virginia.....	11,483	11,698	11,631	10,796	10,853
Kentucky.....	8,877	9,612	9,048	10,607	10,734
Oregon.....	10,471	11,441	8,900	10,086	10,357
Alabama.....	6,192	7,317	7,570	8,267	8,340
Connecticut.....	7,231	8,047	8,610	8,313	8,136
Missouri.....	6,059	6,497	6,173	6,791	7,234
Colorado.....	5,931	6,593	6,125	5,522	6,109
Iowa.....	4,094	4,465	4,660	4,755	5,236
Maryland.....	4,009	4,593	4,975	4,474	4,941
Kansas.....	4,669	5,145	5,005	4,988	4,553
Utah.....	3,134	3,221	3,506	4,543	4,115
Arkansas.....	2,177	2,599	2,911	2,804	2,962
Alaska.....	2,564	2,464	2,418	2,516	2,739
Nebraska.....	2,096	2,511	2,702	2,528	2,724
Oklahoma.....	2,987	3,072	2,661	2,444	2,660
Vermont.....	4,023	4,097	2,830	2,521	2,627
Mississippi.....	2,216	2,726	3,557	3,058	2,558
West Virginia.....	1,893	2,219	2,241	2,237	2,380
New Mexico.....	3,133	2,391	1,405	1,196	2,326
Maine.....	2,014	1,779	1,812	1,973	2,188
Idaho.....	2,191	3,559	2,122	1,967	2,096
Nevada.....	1,067	1,482	1,423	1,177	2,033
New Hampshire.....	1,930	2,373	2,401	1,863	1,931
Delaware.....	2,287	2,197	1,985	2,004	1,886
Rhode Island.....	1,116	1,186	1,269	1,121	1,177
North Dakota.....	699	626	806	859	854
District of Columbia....	412	1,003	1,034	1,066	809
South Dakota.....	495	679	595	597	672
Wyoming.....	458	502	503	553	582
Hawaii.....	274	387	370	514	368
Montana.....	427	541	489	386	361

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## Global Merchandise Export Share of State GSP

Goods Export % of GSP	1999	2000	2001	2002*	2003*
Washington.....	17.62%	14.77%	15.67%	15.00%	14.11%
Vermont.....	23.45%	22.61%	14.78%	12.71%	12.63%
Texas.....	12.25%	14.07%	12.44%	12.06%	11.91%
Louisiana.....	11.83%	11.60%	11.16%	11.41%	11.38%
Michigan.....	9.96%	10.46%	10.10%	10.18%	9.46%
South Carolina.....	6.69%	7.63%	8.64%	8.10%	9.41%
Alaska.....	10.03%	8.76%	8.46%	8.50%	8.82%
Kentucky.....	7.90%	8.20%	7.52%	8.52%	8.21%
Indiana.....	7.12%	8.11%	7.56%	7.59%	7.95%
Oregon.....	9.49%	9.43%	7.41%	8.11%	7.94%
Arizona.....	8.18%	9.34%	7.79%	7.14%	7.63%
<b>Ohio.....</b>	<b>6.96%</b>	<b>7.10%</b>	<b>7.25%</b>	<b>7.16%</b>	<b>7.33%</b>
<b>US Total.....</b>	<b>7.49%</b>	<b>7.89%</b>	<b>7.21%</b>	<b>6.60%</b>	<b>6.57%</b>
California.....	8.07%	9.00%	7.86%	6.55%	6.36%
Tennessee.....	5.78%	6.53%	6.20%	6.15%	6.36%
Alabama.....	5.38%	6.13%	6.23%	6.57%	6.32%
Wisconsin.....	5.86%	6.07%	5.91%	5.82%	5.97%
Massachusetts.....	6.52%	7.25%	6.08%	5.61%	5.97%
Minnesota.....	5.47%	5.54%	5.60%	5.34%	5.51%
North Carolina.....	5.76%	6.58%	6.10%	5.16%	5.41%
Utah.....	5.00%	4.71%	4.98%	6.23%	5.38%
Maine.....	5.91%	4.90%	4.84%	5.09%	5.38%
Iowa.....	4.79%	4.98%	5.12%	5.05%	5.30%
Idaho.....	6.34%	9.68%	5.75%	5.15%	5.23%
West Virginia.....	4.67%	5.42%	5.29%	5.10%	5.17%
Illinois.....	6.68%	6.74%	6.40%	5.22%	5.12%
Georgia.....	4.97%	5.05%	4.88%	4.64%	5.00%
Kansas.....	5.82%	6.09%	5.74%	5.53%	4.81%
Florida.....	5.46%	5.63%	5.53%	4.82%	4.67%
Connecticut.....	4.85%	4.97%	5.18%	4.83%	4.51%
Nebraska.....	3.92%	4.51%	4.74%	4.29%	4.40%
New York.....	4.98%	5.37%	5.10%	4.32%	4.36%
Delaware.....	6.59%	5.90%	4.90%	4.78%	4.29%
New Jersey.....	4.62%	5.21%	5.19%	4.49%	4.24%
North Dakota.....	4.09%	3.37%	4.24%	4.37%	4.14%
Arkansas.....	3.35%	3.89%	4.29%	3.99%	4.01%
New Mexico.....	6.37%	4.55%	2.53%	2.08%	3.86%
New Hampshire.....	4.45%	5.01%	5.09%	3.81%	3.77%
Pennsylvania.....	4.25%	4.70%	4.27%	3.73%	3.67%
Missouri.....	3.59%	3.67%	3.40%	3.61%	3.67%
Virginia.....	4.75%	4.48%	4.26%	3.82%	3.66%
Mississippi.....	3.45%	4.12%	5.30%	4.40%	3.51%
Colorado.....	3.89%	3.89%	3.53%	3.07%	3.24%
Rhode Island.....	3.50%	3.29%	3.43%	2.93%	2.93%
Wyoming.....	2.69%	2.63%	2.46%	2.62%	2.62%
Oklahoma.....	3.50%	3.38%	2.84%	2.51%	2.61%
South Dakota.....	2.28%	2.90%	2.45%	2.38%	2.55%
Nevada.....	1.53%	1.96%	1.80%	1.43%	2.36%
Maryland.....	2.31%	2.48%	2.55%	2.22%	2.33%
Montana.....	2.08%	2.49%	2.16%	1.65%	1.47%
District of Columbia.....	0.74%	1.67%	1.60%	1.60%	1.16%
Hawaii.....	0.67%	0.91%	0.85%	1.13%	0.78%

\* Data for 2002 and 2003 were estimated using the nominal US GDP growth rate for all states.

Dept. of Commerce and MBG Information Services "GSP" is the Gross State Product



# Ohio's Exports To The World

Industry (\$ Million)	----- Ohio's Exports to the World -----				
	1999	2000	2001	2002	2003
Global Totals.....	\$24,883	\$26,322	\$27,095	\$27,723	\$29,764
Transportation Equipment.....	8,881	9,035	10,353	11,220	12,502
Machinery Manufactures.....	3,858	4,181	4,050	3,702	3,596
Chemical Manufactures.....	2,433	2,495	2,588	2,532	2,834
Computers & Electronic Prod.....	1,882	1,941	1,677	1,837	1,783
Fabricated Metal Products.....	1,512	1,754	1,613	1,737	1,728
Plastic & Rubber Products.....	1,005	1,094	1,071	1,046	1,139
Elec. Eq.- Appliances & Parts.....	966	1,026	1,039	1,045	1,092
Primary Metal Manufactures.....	891	1,108	1,011	885	1,001
Non-Metallic Mineral Mfgs.....	513	601	609	585	692
Misc. Manufactures.....	443	488	552	577	528
Paper Products.....	427	459	465	447	492
Processed Foods.....	346	383	476	506	471
Mining.....	353	272	81	304	363
Spec. Classification Provisions...	282	279	258	241	234
Crop Production.....	202	203	219	88	223
Wood Products.....	150	179	153	162	179
Furniture & Related Products.....	92	112	124	126	145
Printing & Related Products.....	141	133	130	126	142
Waste & Scrap.....	60	72	83	83	108
Fabric Mill Products.....	89	112	104	106	106
Goods Returned to Canada.....	77	81	116	78	94
Petroleum & Coal Products.....	72	58	81	70	70
Apparel Manufactures.....	38	58	49	51	57
Non-Apparel Textile Products.....	64	70	55	47	48
Forestry & Logging.....	29	38	44	36	47
Leather & Related Products.....	25	30	25	21	26
Used Merchandise.....	11	19	24	22	18
Animal Production.....	24	28	29	24	18
Beverage & Tobacco Products...	14	9	11	14	11
Publishing Industries.....	0	0	0	0	7
Fishing- Hunting- & Trapping.....	3	3	4	5	5
Oil & Gas Extraction.....	1	0	0	1	4

## Ohio's Global Merchandise Export Markets

Merchandise: \$Million	1999	2000	2001	2002	2003	Change: '03/'00
<b>Ohio's Total Exports..</b>	<b>\$24,883</b>	<b>\$26,322</b>	<b>\$27,095</b>	<b>\$27,723</b>	<b>\$29,764</b>	<b>13.08%</b>
Canada.....	13,692	14,092	13,843	15,420	16,894	19.89%
Mexico.....	1,374	1,959	2,109	2,109	2,102	7.31%
United Kingdom.....	1,032	1,066	1,284	1,229	1,242	16.47%
Japan.....	1,330	1,412	1,389	1,190	1,101	-22.02%
France.....	1,393	1,199	1,448	1,068	768	-35.96%
Germany.....	688	703	759	631	727	3.54%
<b>China.....</b>	<b>245</b>	<b>292</b>	<b>450</b>	<b>511</b>	<b>644</b>	<b>120.33%</b>
Netherlands.....	352	450	475	480	512	13.76%
Belgium.....	312	340	390	383	449	32.15%
Italy.....	252	227	286	309	415	82.58%
Australia.....	323	355	349	339	389	9.59%
South Korea.....	391	385	409	348	387	0.60%
Brazil.....	252	321	371	313	352	9.53%
Singapore.....	213	244	258	260	250	2.66%
Hong Kong.....	190	207	216	217	212	2.38%
Taiwan.....	200	223	199	178	201	-9.83%
Thailand.....	103	128	153	131	192	49.85%
Saudi Arabia.....	185	107	161	231	169	57.55%
Ireland.....	170	176	173	156	157	-10.91%
Kuwait.....	26	34	29	100	153	350.93%
India.....	66	82	106	110	149	81.78%
Spain.....	114	150	146	122	129	-13.62%
Switzerland.....	117	150	129	99	125	-16.29%
South Africa.....	94	94	78	85	116	23.30%
Israel.....	96	96	97	84	102	6.97%
United Arab Emirates..	44	56	72	80	94	66.50%
Sweden.....	127	85	97	90	91	7.37%
Indonesia.....	46	92	54	45	88	-4.16%
Austria.....	71	37	40	64	83	125.78%
New Zealand.....	59	84	61	73	81	-3.43%
Malaysia.....	126	165	124	93	76	-54.30%
Turkey.....	102	91	70	57	69	-24.04%
Chile.....	71	65	60	84	67	2.34%
Argentina.....	97	146	101	41	64	-56.19%
Colombia.....	50	54	63	49	53	-0.98%
Philippines.....	65	65	51	52	47	-28.34%
Honduras.....	10	9	15	30	43	358.82%
Finland.....	21	33	30	30	43	31.46%
Norway.....	45	64	43	60	42	-33.68%
Venezuela.....	73	86	109	68	41	-52.25%
Russian Federation.....	12	25	23	26	41	64.42%
Costa Rica.....	23	24	26	34	40	70.79%
Egypt.....	50	33	32	50	38	15.03%
Greece.....	18	15	19	15	36	137.72%
Dominican Republic.....	28	37	42	30	35	-4.42%
Denmark.....	26	32	34	28	35	9.20%
Hungary.....	42	35	49	37	33	-5.45%
Portugal.....	22	19	25	25	27	45.71%
Guatemala.....	19	21	26	25	27	30.73%
Poland.....	32	39	31	22	25	-35.07%

## Exports to China from the States

Merchandise: \$ Millions	1999	2000	2001	2002	2003
<b>Total.....</b>	<b>\$13,118</b>	<b>\$16,253</b>	<b>\$19,235</b>	<b>\$22,053</b>	<b>\$28,418</b>
California.....	2,395	3,546	4,676	4,482	5,465
Washington.....	2,040	1,901	2,929	3,831	3,211
Texas.....	900	1,452	1,578	2,064	3,060
Louisiana.....	664	1,064	683	768	2,117
New York.....	585	778	1,036	1,118	1,445
Illinois.....	438	533	701	661	794
Arizona.....	193	152	142	380	741
Florida.....	740	569	514	725	649
North Carolina.....	222	350	394	366	649
Georgia.....	200	327	390	416	644
<b>Ohio.....</b>	<b>245</b>	<b>292</b>	<b>450</b>	<b>511</b>	<b>644</b>
Tennessee.....	111	157	184	339	636
Oregon.....	151	305	453	682	575
Massachusetts.....	332	502	425	384	572
Pennsylvania.....	263	276	320	424	565
Wisconsin.....	134	177	320	359	548
Virginia.....	174	198	263	369	521
New Jersey.....	190	259	398	423	502
Minnesota.....	169	207	217	305	378
Michigan.....	198	212	251	285	367
Alabama.....	102	160	210	234	356
South Carolina.....	139	127	172	237	287
Missouri.....	52	76	108	130	260
Kentucky.....	64	64	83	129	236
Indiana.....	135	167	200	187	236
Colorado.....	127	165	169	153	213
New Mexico.....	220	119	35	48	207
Maryland.....	104	81	125	138	194
Kansas.....	61	126	259	200	176
Connecticut.....	65	77	119	119	157
Alaska.....	111	103	102	148	154
Arkansas.....	15	29	38	44	141
West Virginia.....	27	36	120	145	133
Utah.....	17	33	41	64	114
Mississippi.....	68	74	90	138	109
Idaho.....	34	57	68	88	107
Iowa.....	36	45	83	78	93
Nebraska.....	23	52	69	76	84
Maine.....	36	23	34	48	78
Delaware.....	16	16	31	57	76
New Hampshire.....	22	30	49	42	73
Oklahoma.....	31	42	44	49	65
Rhode Island.....	11	18	32	32	36
Vermont.....	6	13	16	21	32
Nevada.....	11	9	14	20	24
Wyoming.....	5	11	7	25	21
Hawaii.....	2	5	13	8	13
South Dakota.....	2	7	6	10	10
Montana.....	1	5	6	5	10
North Dakota.....	4	5	2	4	6
District of Columbia.....	2	1	2	6	2

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Dept. of Commerce and MBG Information Services

# Ohio's Exports To China

Industry (\$ Million)	----- Ohio's Exports to China -----				
	1999	2000	2001	2002	2003
China Totals.....	\$245	\$292	\$450	\$511	\$644
Machinery Manufactures.....	88	115	160	176	207
Chemical Manufactures.....	33	41	47	53	86
Computers & Electronic Prod.....	50	43	73	94	81
Transportation Equipment.....	17	17	56	54	78
Fabricated Metal Products.....	11	16	29	31	45
Waste & Scrap.....	4	11	15	19	34
Elec. Eq.- Appliances & Parts.....	9	10	14	22	32
Non-Metallic Mineral Mfgs.....	5	9	16	11	14
Plastic & Rubber Products.....	4	4	5	7	13
Primary Metal Manufactures.....	3	8	7	6	12
Paper Products.....	2	2	4	7	9
Forestry & Logging.....	1	3	4	4	6
Processed Foods.....	2	2	4	6	5
Wood Products.....	1	1	1	4	5
Misc. Manufactures.....	1	3	4	4	4
Spec. Classification Provisions...	7	3	2	3	4
Petroleum & Coal Products.....	3	1	1	3	2
Leather & Related Products.....	1	2	1	1	2
Printing & Related Products.....	1	1	2	2	1
Fabric Mill Products.....	1	0	1	1	1
Furniture & Related Products.....	0	0	0	0	1
Non-Apparel Textile Products.....	0	0	0	0	0
Mining.....	0	0	1	1	0
Apparel Manufactures.....	0	0	0	0	0
Animal Production.....	0	0	0	0	0
Fishing- Hunting- & Trapping.....	0	0	0	0	0
Used Merchandise.....	0	0	0	0	0
Publishing Industries.....	0	0	0	0	0
Crop Production.....	0	0	0	0	0

US Dept. of Commerce, Global Trade Information Services and MBG Information Services

# The Share of Ohio's Exports To China

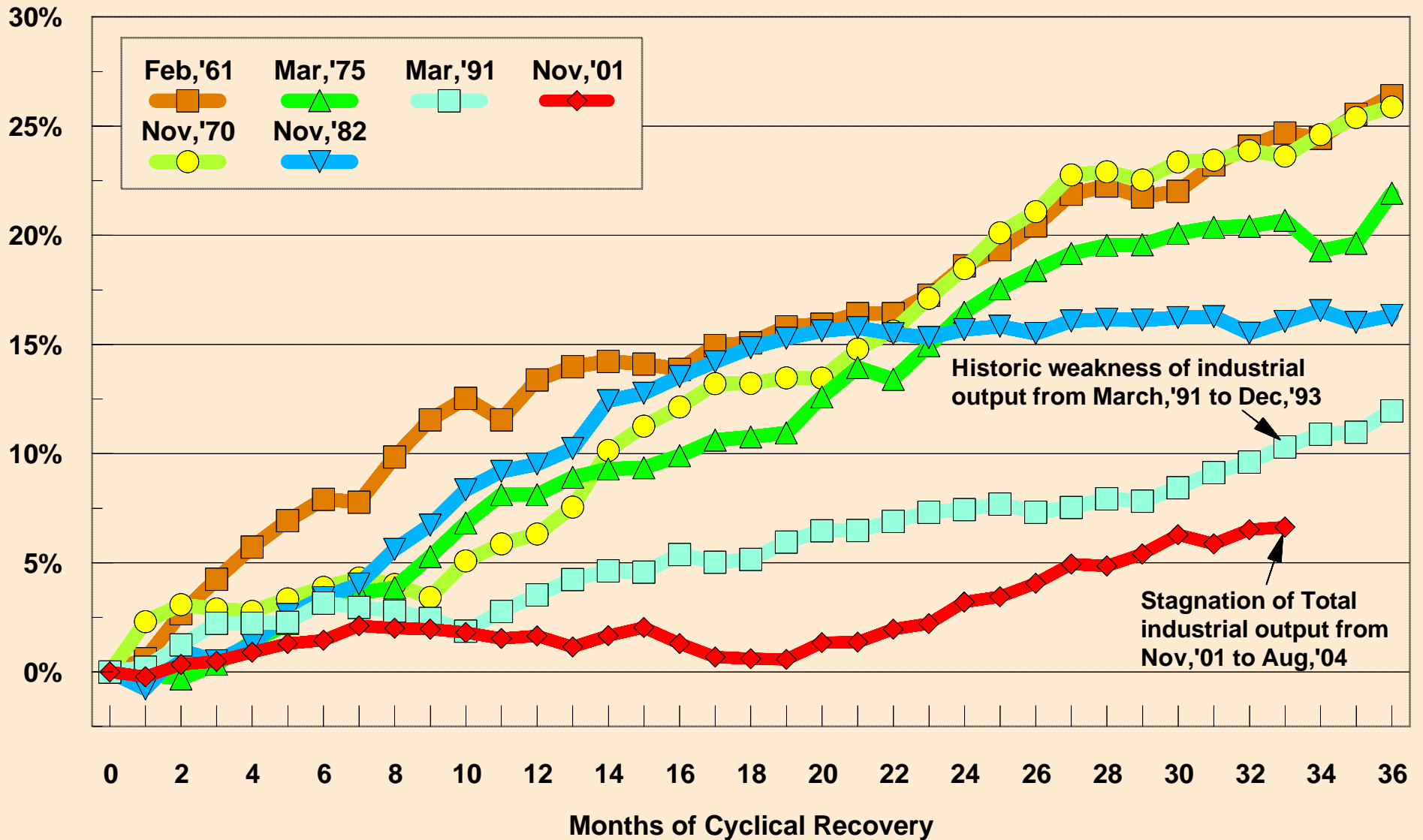
-- Percent of Ohio's Total Exports Bound for China --

Each Industry % to China	1999	2000	2001	2002	2003
China as % of Total Exports.....	0.98%	1.11%	1.66%	1.84%	2.16%
Waste & Scrap.....	6.83%	15.52%	18.36%	22.97%	31.55%
Forestry & Logging.....	4.99%	6.80%	9.04%	12.14%	12.73%
Leather & Related Products.....	4.83%	5.98%	3.78%	4.72%	6.29%
Machinery Manufactures.....	2.27%	2.74%	3.94%	4.76%	5.76%
Computers & Electronic Prod.....	2.67%	2.23%	4.36%	5.12%	4.55%
Chemical Manufactures.....	1.35%	1.64%	1.83%	2.08%	3.03%
Elec. Eq.- Appliances & Parts.....	0.91%	0.99%	1.33%	2.11%	2.93%
Wood Products.....	0.46%	0.68%	0.80%	2.69%	2.73%
Fabricated Metal Products.....	0.72%	0.89%	1.79%	1.81%	2.60%
Petroleum & Coal Products.....	4.82%	0.95%	1.80%	4.13%	2.58%
Fishing- Hunting- & Trapping.....	1.09%	1.08%	3.98%	6.59%	2.55%
Non-Metallic Mineral Mfgs.....	0.95%	1.42%	2.63%	1.91%	2.02%
Paper Products.....	0.58%	0.53%	0.84%	1.51%	1.88%
Spec. Classification Provisions...	2.37%	1.07%	0.80%	1.15%	1.77%
Primary Metal Manufactures.....	0.30%	0.71%	0.73%	0.69%	1.18%
Processed Foods.....	0.64%	0.54%	0.80%	1.23%	1.17%
Plastic & Rubber Products.....	0.36%	0.39%	0.47%	0.64%	1.13%
Fabric Mill Products.....	0.67%	0.35%	1.30%	1.14%	1.03%
Printing & Related Products.....	0.65%	0.74%	1.66%	1.68%	0.83%
Misc. Manufactures.....	0.23%	0.63%	0.79%	0.70%	0.82%
Animal Production.....	0.00%	0.00%	0.41%	0.12%	0.81%
Non-Apparel Textile Products.....	0.01%	0.06%	0.31%	0.44%	0.63%
Transportation Equipment.....	0.19%	0.19%	0.54%	0.48%	0.63%
Furniture & Related Products.....	0.39%	0.14%	0.09%	0.08%	0.54%
Apparel Manufactures.....	0.00%	0.37%	0.25%	0.52%	0.41%
Used Merchandise.....	2.33%	0.96%	0.72%	0.07%	0.11%
Mining.....	0.10%	0.09%	0.98%	0.22%	0.07%
Publishing Industries.....	0.00%	0.00%	0.00%	0.00%	0.05%
Crop Production.....	0.01%	0.01%	0.02%	0.01%	0.00%

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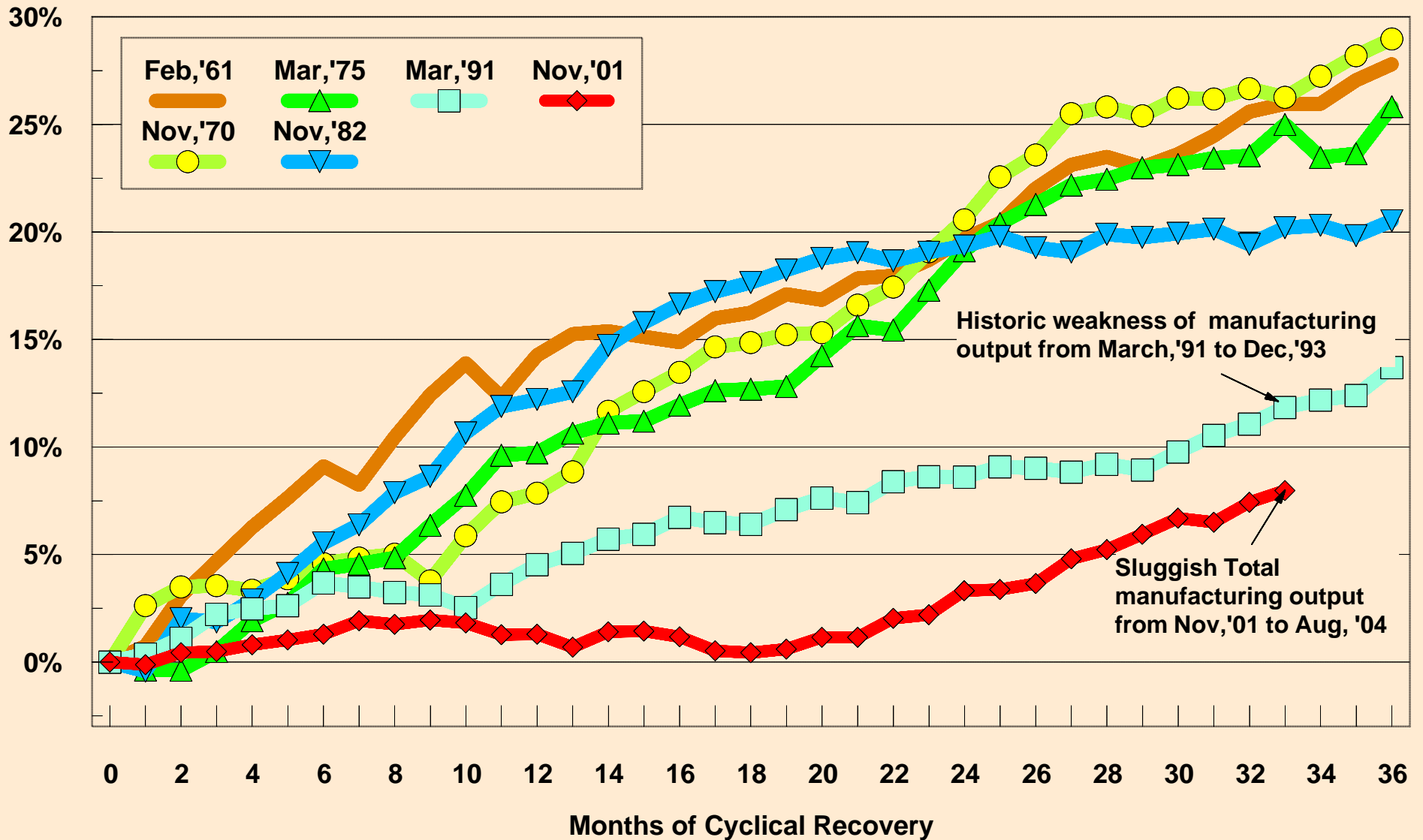
# 2002-'04: First "Recovery" With Stagnant Industrial Output

% Change of Total Industrial Output From End of Recession



# 2001-'04: "Recovery" With Very Little Manufacturing Output

% Change of Manufacturing Output From End of Recession



# Job Growth and Decline in the States: Manufacturing Losses Still Slow Growth

July 2003 to July 2004

Nonfarm Establishment Jobs STATE	Const- ruction	Manuf- acturing	Trade and Utilities	Information	Finance	Prof & Bus Services	Education & Health	Leisure & Hospitality	Other Services	Govt.	Unemployment Rates			
											Total	July '03	June '04	July '04
(Change over Year Ago: Percent)											(Percent Unemployed)			
Michigan.....	-1.2%	1.8%	-4.7%	-1.0%	-3.3%	-2.5%	-0.2%	0.4%	1.1%	1.0%	-2.6%	7.5%	6.5%	6.8%
Ohio.....	-0.4%	0.4%	-1.5%	-0.4%	-2.6%	0.4%	0.3%	1.1%	-1.8%	-0.6%	-0.4%	6.3%	5.8%	5.9%
Massachusetts.....	-0.3%	0.1%	0.8%	-0.9%	-3.5%	-1.0%	-1.0%	0.7%	1.6%	0.2%	-1.7%	5.8%	5.3%	5.3%
Connecticut.....	0.0%	0.3%	-1.2%	0.3%	0.0%	-0.6%	-1.0%	0.7%	3.5%	0.9%	-1.1%	5.7%	4.6%	4.6%
Nebraska.....	0.2%	5.8%	0.2%	0.7%	-2.3%	0.6%	1.5%	-1.4%	0.4%	1.4%	-1.8%	4.1%	3.3%	3.4%
Illinois.....	0.3%	0.3%	-0.6%	0.3%	-3.2%	0.6%	0.4%	1.1%	2.1%	-0.2%	-0.3%	6.7%	5.9%	6.1%
North Dakota.....	0.4%	2.2%	0.0%	0.6%	1.3%	0.5%	0.8%	-1.0%	0.3%	-1.3%	0.9%	3.9%	3.1%	3.1%
Vermont.....	0.4%	0.0%	-0.8%	0.5%	1.5%	-2.2%	0.5%	2.3%	1.2%	1.0%	-0.9%	4.6%	3.4%	3.4%
Alabama.....	0.5%	3.2%	-0.7%	1.1%	-4.4%	-0.7%	1.7%	0.5%	1.0%	-0.7%	0.5%	5.8%	5.3%	5.7%
Louisiana.....	0.6%	-1.8%	1.0%	0.8%	3.2%	-0.4%	-0.8%	2.2%	0.6%	0.7%	0.5%	7.1%	6.0%	6.1%
Indiana.....	0.6%	5.4%	0.2%	-0.2%	-0.5%	-0.7%	2.5%	1.4%	-0.7%	0.2%	0.3%	5.5%	4.8%	5.1%
Kentucky.....	0.6%	5.7%	-1.9%	0.0%	0.3%	1.0%	1.3%	1.8%	5.0%	2.6%	-2.5%	6.6%	5.5%	5.3%
Iowa.....	0.6%	2.7%	1.0%	-1.1%	-1.8%	4.9%	-1.2%	2.0%	0.8%	1.8%	-0.2%	4.7%	4.3%	4.4%
Minnesota.....	0.7%	1.8%	2.4%	0.8%	-1.9%	-0.2%	1.0%	1.6%	2.1%	-1.5%	-2.1%	5.1%	4.4%	4.4%
Pennsylvania.....	0.7%	2.8%	-2.4%	0.6%	-1.0%	0.5%	1.6%	1.3%	2.5%	1.2%	0.2%	5.6%	5.6%	5.3%
West Virginia.....	0.7%	2.9%	-2.0%	1.1%	-3.1%	1.6%	1.4%	0.3%	1.3%	0.2%	0.4%	6.4%	5.3%	5.2%
Maine.....	0.7%	3.3%	-4.5%	1.6%	0.9%	-0.3%	1.6%	1.5%	1.5%	0.5%	0.5%	5.1%	4.1%	4.2%
Kansas.....	0.7%	1.7%	0.4%	0.0%	1.3%	1.4%	1.0%	1.2%	3.7%	0.8%	-0.8%	5.6%	4.7%	4.6%
South Dakota.....	0.7%	0.5%	1.6%	1.3%	0.0%	1.5%	1.3%	0.7%	0.0%	1.9%	-0.4%	3.7%	3.4%	3.4%
Colorado.....	0.8%	-2.2%	-0.5%	0.9%	-3.5%	0.5%	3.0%	2.4%	0.9%	1.7%	0.7%	6.2%	4.9%	5.1%
New York.....	0.8%	0.9%	-2.5%	0.7%	1.8%	0.8%	1.8%	2.5%	1.9%	0.6%	-0.7%	6.4%	6.2%	5.9%
Tennessee.....	0.8%	1.1%	0.6%	1.2%	-1.5%	0.4%	0.3%	1.8%	2.2%	0.6%	-0.2%	6.0%	4.5%	4.5%
Rhode Island.....	0.9%	5.3%	-0.9%	1.2%	-2.7%	-2.1%	-1.8%	3.2%	1.6%	2.5%	0.2%	5.3%	5.8%	5.7%
Arkansas.....	0.9%	-0.4%	-0.2%	0.8%	-1.0%	1.2%	2.1%	3.1%	2.1%	0.5%	0.3%	6.3%	5.7%	5.6%
Mississippi.....	1.0%	0.4%	2.1%	-1.1%	-1.4%	1.3%	4.3%	3.7%	0.4%	-0.5%	0.7%	6.6%	5.4%	5.9%
California.....	1.0%	4.0%	0.3%	1.3%	-1.7%	1.1%	3.6%	2.0%	1.1%	-0.6%	-1.9%	6.9%	6.3%	6.1%
District of Columbia.....	1.0%	4.6%	-3.8%	1.1%	0.0%	0.6%	3.1%	0.6%	3.7%	0.4%	-0.4%	7.1%	7.1%	7.8%
North Carolina.....	1.1%	1.8%	-2.5%	0.6%	0.3%	2.0%	4.3%	3.4%	2.1%	-0.8%	0.8%	6.6%	5.5%	5.0%
Georgia.....	1.1%	2.7%	0.4%	0.1%	1.0%	0.8%	1.8%	2.1%	1.6%	1.1%	1.3%	4.9%	4.0%	4.1%
<b>US Totals.....</b>	<b>1.1%</b>	<b>2.9%</b>	<b>-0.3%</b>	<b>1.1%</b>	<b>-0.6%</b>	<b>0.2%</b>	<b>2.9%</b>	<b>2.1%</b>	<b>1.8%</b>	<b>0.3%</b>	<b>-0.1%</b>	<b>6.2%</b>	<b>5.6%</b>	<b>5.5%</b>
Texas.....	1.2%	0.8%	-0.8%	1.7%	-1.5%	0.6%	2.2%	3.0%	2.1%	1.1%	0.0%	6.8%	5.7%	5.7%
Alaska.....	1.3%	4.5%	2.0%	1.2%	-1.4%	2.0%	0.4%	6.7%	1.1%	-5.2%	-0.4%	8.1%	7.3%	7.2%
New Jersey.....	1.4%	2.2%	-1.9%	0.3%	-1.3%	3.1%	2.5%	2.3%	2.0%	1.3%	2.3%	6.1%	4.7%	5.0%
Missouri.....	1.5%	4.3%	2.2%	0.4%	-0.2%	0.8%	2.2%	3.7%	1.2%	2.0%	-0.7%	5.8%	5.2%	5.5%
Montana.....	1.5%	2.3%	1.0%	1.6%	2.6%	2.4%	2.7%	1.4%	0.5%	1.9%	0.4%	4.8%	4.8%	4.3%
Oklahoma.....	1.6%	0.8%	0.0%	0.4%	0.9%	0.6%	2.3%	2.3%	2.8%	1.1%	2.0%	5.9%	4.9%	4.4%
South Carolina.....	1.7%	1.9%	-1.5%	1.1%	-3.0%	0.3%	2.7%	7.3%	2.8%	0.3%	1.9%	7.2%	6.6%	6.0%
Wisconsin.....	1.7%	2.3%	2.3%	1.7%	-4.0%	1.6%	6.8%	3.0%	1.6%	-2.1%	-1.4%	5.8%	5.0%	4.7%
Delaware.....	1.7%	3.9%	1.7%	1.0%	0.0%	-0.4%	2.2%	4.3%	1.2%	1.1%	1.8%	4.5%	3.8%	3.9%
Utah.....	1.8%	4.0%	0.8%	2.0%	-1.0%	-0.6%	4.6%	3.1%	1.3%	0.3%	0.4%	5.6%	4.6%	4.8%
Wyoming.....	1.8%	0.0%	1.1%	1.0%	-4.8%	2.9%	-0.6%	4.3%	2.2%	-3.1%	1.5%	4.3%	3.6%	3.6%
New Hampshire.....	2.0%	3.2%	-0.3%	2.5%	-2.5%	2.9%	0.4%	2.3%	4.9%	-2.4%	2.6%	4.3%	3.9%	3.9%
Maryland.....	2.1%	5.8%	-0.5%	1.2%	1.0%	1.5%	2.8%	3.4%	6.2%	-0.2%	-0.5%	4.6%	3.9%	4.1%
New Mexico.....	2.1%	4.1%	-1.6%	1.6%	-8.1%	1.5%	2.5%	4.8%	2.0%	1.6%	2.0%	6.7%	5.4%	5.3%
Washington.....	2.1%	5.1%	-1.5%	2.3%	6.1%	2.7%	4.2%	2.0%	1.2%	2.2%	1.3%	7.7%	6.1%	6.0%
Florida.....	2.3%	5.3%	-0.4%	0.7%	-0.9%	2.1%	4.2%	2.4%	3.0%	2.6%	1.4%	5.2%	4.8%	4.4%
Arizona.....	2.3%	9.1%	-1.0%	1.3%	-5.5%	0.3%	2.9%	4.6%	2.1%	3.2%	1.8%	5.8%	4.7%	4.4%
Hawaii.....	2.4%	2.5%	2.7%	3.5%	5.0%	1.0%	2.2%	3.1%	3.7%	1.7%	0.4%	4.4%	3.1%	3.0%
Oregon.....	2.5%	5.2%	3.5%	0.9%	-2.1%	1.2%	5.1%	0.5%	3.9%	0.9%	3.3%	8.7%	6.9%	6.8%
Virginia.....	2.6%	5.9%	-2.9%	3.5%	-0.8%	1.9%	5.9%	1.8%	2.5%	2.6%	1.6%	4.3%	3.5%	3.4%
Idaho.....	2.7%	9.9%	-1.0%	2.0%	2.2%	0.7%	7.3%	2.3%	2.9%	2.1%	0.8%	5.6%	5.0%	4.9%
Nevada.....	4.4%	10.7%	4.3%	4.0%	-1.3%	4.2%	7.1%	5.8%	2.3%	4.5%	2.5%	5.4%	4.2%	4.4%

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## The Recent Jobs Record In the States

1,000 of jobs	Seasonally Adjusted		Job Growth/Decline	
	July, '04	Jan. '01	(1,000)	%
Massachusetts.....	3,183.0	3,370.9	(187.9)	-5.6%
Michigan.....	4,350.3	4,597.4	(247.1)	-5.4%
<b>Ohio.....</b>	<b>5,374.4</b>	<b>5,606.2</b>	<b>(231.8)</b>	<b>-4.1%</b>
Illinois.....	5,822.4	6,046.6	(224.2)	-3.7%
Colorado.....	2,168.4	2,245.6	(77.2)	-3.4%
Connecticut.....	1,637.5	1,692.3	(54.8)	-3.2%
Oklahoma.....	1,460.9	1,503.3	(42.4)	-2.8%
New York.....	8,448.0	8,691.2	(243.2)	-2.8%
North Carolina.....	3,858.0	3,958.7	(100.7)	-2.5%
Georgia.....	3,884.4	3,982.7	(98.3)	-2.5%
Iowa.....	1,446.2	1,478.0	(31.8)	-2.2%
Alabama.....	1,883.1	1,922.5	(39.4)	-2.0%
Missouri.....	2,681.2	2,737.1	(55.9)	-2.0%
Kansas.....	1,321.6	1,345.5	(23.9)	-1.8%
Kentucky.....	1,798.0	1,827.3	(29.3)	-1.6%
Indiana.....	2,911.8	2,958.5	(46.7)	-1.6%
Tennessee.....	2,684.0	2,724.2	(40.2)	-1.5%
Mississippi.....	1,126.7	1,142.9	(16.2)	-1.4%
Pennsylvania.....	5,636.8	5,717.3	(80.5)	-1.4%
California.....	14,512.6	14,717.3	(204.7)	-1.4%
Vermont.....	299.7	303.5	(3.8)	-1.3%
Oregon.....	1,598.2	1,615.9	(17.7)	-1.1%
Texas.....	9,456.0	9,548.4	(92.4)	-1.0%
Nebraska.....	905.6	913.6	(8.0)	-0.9%
<b>US Totals.....</b>	<b>131,272</b>	<b>132,388</b>	<b>(1,116)</b>	<b>-0.8%</b>
Minnesota.....	2,672.7	2,694.6	(21.9)	-0.8%
Louisiana.....	1,913.9	1,925.9	(12.0)	-0.6%
Arkansas.....	1,152.8	1,159.8	(7.0)	-0.6%
New Hampshire.....	629.5	633.3	(3.8)	-0.6%
South Carolina.....	1,835.7	1,844.6	(8.9)	-0.5%
Delaware.....	419.9	421.5	(1.6)	-0.4%
West Virginia.....	733.4	735.9	(2.5)	-0.3%
Washington.....	2,717.4	2,721.8	(4.4)	-0.2%
Wisconsin.....	2,839.2	2,839.0	0.2	0.0%
Maine.....	611.5	609.7	1.8	0.3%
Utah.....	1,093.7	1,088.6	5.1	0.5%
South Dakota.....	380.8	378.4	2.4	0.6%
North Dakota.....	332.6	329.7	2.9	0.9%
New Jersey.....	4,042.2	3,994.4	47.8	1.2%
Virginia.....	3,592.5	3,530.5	62.0	1.8%
Rhode Island.....	489.9	480.6	9.3	1.9%
Maryland.....	2,538.7	2,469.6	69.1	2.8%
District of Columbia....	671.5	651.4	20.1	3.1%
Arizona.....	2,338.1	2,264.9	73.2	3.2%
Idaho.....	587.6	565.9	21.7	3.8%
Florida.....	7,442.7	7,152.7	290.0	4.1%
Montana.....	408.3	391.7	16.6	4.2%
Hawaii.....	579.1	554.6	24.5	4.4%
New Mexico.....	790.4	753.2	37.2	4.9%
Wyoming.....	254.6	242.6	12.0	4.9%
Alaska.....	302.8	285.0	17.8	6.2%
Nevada.....	1,136.6	1,049.7	86.9	8.3%

## The Recent Jobs Record In the States

Seasonally Adjusted 1,000 of jobs	All Private Sector Jobs		Job Growth/Decline	
	July, '04	Jan. '01	(1,000)	%
Massachusetts.....	2,768.0	2,941.9	(173.9)	-5.9%
Michigan.....	3,693.6	3,913.7	(220.1)	-5.6%
Colorado.....	1,808.2	1,906.6	(98.4)	-5.2%
<b>Ohio.....</b>	<b>4,570.0</b>	<b>4,816.5</b>	<b>(246.5)</b>	<b>-5.1%</b>
Illinois.....	4,969.6	5,204.1	(234.5)	-4.5%
Georgia.....	3,249.0	3,383.0	(134.0)	-4.0%
North Carolina.....	3,202.1	3,329.7	(127.6)	-3.8%
Connecticut.....	1,395.5	1,448.8	(53.3)	-3.7%
Oklahoma.....	1,167.2	1,210.6	(43.4)	-3.6%
New York.....	6,977.7	7,226.0	(248.3)	-3.4%
Alabama.....	1,523.8	1,571.4	(47.6)	-3.0%
Mississippi.....	879.4	906.2	(26.8)	-3.0%
Kansas.....	1,071.8	1,098.5	(26.7)	-2.4%
Iowa.....	1,203.7	1,233.6	(29.9)	-2.4%
Tennessee.....	2,270.3	2,324.1	(53.8)	-2.3%
Indiana.....	2,490.9	2,549.8	(58.9)	-2.3%
Vermont.....	248.2	253.6	(5.4)	-2.1%
Texas.....	7,811.7	7,979.4	(167.7)	-2.1%
Kentucky.....	1,483.7	1,515.3	(31.6)	-2.1%
California.....	12,120.1	12,370.4	(250.3)	-2.0%
Pennsylvania.....	4,893.5	4,993.4	(99.9)	-2.0%
Oregon.....	1,324.4	1,349.2	(24.8)	-1.8%
New Hampshire.....	538.2	548.2	(10.0)	-1.8%
<b>US Totals.....</b>	<b>109,743</b>	<b>111,560</b>	<b>(1,817)</b>	<b>-1.6%</b>
Arkansas.....	953.2	968.3	(15.1)	-1.6%
Nebraska.....	747.8	759.2	(11.4)	-1.5%
Washington.....	2,190.4	2,221.8	(31.4)	-1.4%
South Carolina.....	1,502.7	1,523.2	(20.5)	-1.3%
Louisiana.....	1,530.8	1,550.8	(20.0)	-1.3%
Missouri.....	2,284.5	2,313.6	(29.1)	-1.3%
Minnesota.....	2,275.3	2,300.5	(25.2)	-1.1%
West Virginia.....	590.4	595.1	(4.7)	-0.8%
Utah.....	894.1	900.7	(6.6)	-0.7%
Delaware.....	362.8	364.5	(1.7)	-0.5%
Maine.....	507.0	508.6	(1.6)	-0.3%
New Jersey.....	3,399.9	3,399.9	0.0	0.0%
Wisconsin.....	2,434.9	2,432.0	2.9	0.1%
South Dakota.....	306.8	306.0	0.8	0.3%
North Dakota.....	259.6	256.1	3.5	1.4%
Virginia.....	2,942.8	2,903.0	39.8	1.4%
Rhode Island.....	423.4	415.9	7.5	1.8%
Maryland.....	2,065.2	2,019.7	45.5	2.3%
Arizona.....	1,941.5	1,896.8	44.7	2.4%
District of Columbia.....	442.0	429.2	12.8	3.0%
Hawaii.....	458.9	444.3	14.6	3.3%
Idaho.....	473.9	458.1	15.8	3.4%
Florida.....	6,370.3	6,144.1	226.2	3.7%
New Mexico.....	592.7	570.5	22.2	3.9%
Wyoming.....	190.0	181.9	8.1	4.5%
Montana.....	321.4	307.2	14.2	4.6%
Alaska.....	222.2	207.6	14.6	7.0%
Nevada.....	998.5	925.2	73.3	7.9%

## The Recent Jobs Record In the States

All Manufacturing Jobs 1,000 of jobs	NOT Seasonally Adjusted		Job Growth/Decline	
	July, '04	Jan., '01	(1,000)	%
District of Columbia.....	2.5	3.5	-1.0	-28.6%
New Hampshire.....	78.2	103.6	-25.4	-24.5%
Rhode Island.....	55.0	71.0	-16.0	-22.5%
Maine.....	60.1	77.2	-17.1	-22.2%
North Carolina.....	583.9	741.1	-157.2	-21.2%
Massachusetts.....	323.4	407.8	-84.4	-20.7%
Vermont.....	37.4	46.7	-9.3	-19.9%
Michigan.....	676.0	842.8	-166.8	-19.8%
Oklahoma.....	141.2	174.5	-33.3	-19.1%
New York.....	591.5	728.8	-137.3	-18.8%
Pennsylvania.....	696.5	849.7	-153.2	-18.0%
Washington.....	264.3	321.7	-57.4	-17.8%
Arizona.....	171.6	208.6	-37.0	-17.7%
Colorado.....	155.0	188.2	-33.2	-17.6%
South Carolina.....	270.6	327.7	-57.1	-17.4%
<b>Ohio.....</b>	<b>822.2</b>	<b>992.2</b>	<b>-170.0</b>	<b>-17.1%</b>
Virginia.....	293.8	354.1	-60.3	-17.0%
Connecticut.....	194.6	233.7	-39.1	-16.7%
California.....	1,540.6	1844.7	-304.1	-16.5%
New Jersey.....	344.0	411.3	-67.3	-16.4%
Illinois.....	708.7	842.7	-134.0	-15.9%
<b>US Totals.....</b>	<b>14,405</b>	<b>17,093</b>	<b>(2,688)</b>	<b>-15.7%</b>
Texas.....	890.0	1055.4	-165.4	-15.7%
Maryland.....	145.3	170.3	-25.0	-14.7%
Kentucky.....	257.8	302.0	-44.2	-14.6%
Mississippi.....	180.8	211.1	-30.3	-14.4%
Florida.....	382.4	445.6	-63.2	-14.2%
West Virginia.....	63.6	73.9	-10.3	-13.9%
Alabama.....	288.8	333.8	-45.0	-13.5%
Georgia.....	448.0	517.1	-69.1	-13.4%
Arkansas.....	204.0	235.0	-31.0	-13.2%
New Mexico.....	36.2	41.5	-5.3	-12.8%
Kansas.....	172.0	196.9	-24.9	-12.6%
Tennessee.....	413.5	473.0	-59.5	-12.6%
Idaho.....	61.5	69.8	-8.3	-11.9%
Missouri.....	312.9	352.6	-39.7	-11.3%
Louisiana.....	155.9	175.0	-19.1	-10.9%
Indiana.....	566.8	633.4	-66.6	-10.5%
Montana.....	19.4	21.6	-2.2	-10.2%
Utah.....	113.0	125.3	-12.3	-9.8%
South Dakota.....	38.7	42.9	-4.2	-9.8%
Nebraska.....	102.1	112.9	-10.8	-9.6%
Iowa.....	222.3	245.6	-23.3	-9.5%
Wisconsin.....	523.7	577.0	-53.3	-9.2%
Minnesota.....	354.6	389.0	-34.4	-8.8%
Hawaii.....	15.3	16.6	-1.3	-7.8%
Wyoming.....	9.5	10.3	-0.8	-7.8%
Oregon.....	203.8	219.9	-16.1	-7.3%
Delaware.....	35.6	37.9	-2.3	-6.1%
Alaska.....	20.0	20.3	-0.3	-1.5%
North Dakota.....	23.8	23.7	0.1	0.4%
Nevada.....	45.7	43.8	1.9	4.3%

\*Alaska is shown July, 2000 to July 2004.

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## Economically Hardest Hit Areas

Local Area: % of Total Jobs Lost	----- 12 month job loss to: -----			
	April,'04	May,'04	June,'04	July,'04
<b>Steubenville-Weirton, OH.....</b>	<b>-2.8%</b>	<b>-3.1%</b>	<b>-4.5%</b>	<b>-4.2%</b>
Lansing-East Lansing, MI.....	-1.0%	-2.1%	-3.1%	-4.1%
Saginaw-Bay City-Midland, MI.....	-3.4%	-2.8%	-3.7%	-3.2%
Salinas, CA.....	-2.5%	-2.1%	-1.5%	-3.0%
Muncie, IN.....	-1.4%	-1.9%	-2.6%	-2.8%
Houma, LA.....	-0.4%	-2.7%	-3.1%	-2.6%
Detroit, MI.....	-1.6%	-1.2%	-1.8%	-2.2%
Enid, OK.....	-1.3%	-0.9%	-3.8%	-2.2%
Jackson, MI.....	-0.6%	-0.8%	-1.8%	-2.1%
Barnstable-Yarmouth, MA.....	0.5%	-0.6%	-2.2%	-2.1%
Cedar Rapids, IA.....	-1.4%	-0.9%	-2.3%	-1.7%
Champaign-Urbana, IL.....	-0.8%	-1.1%	-1.6%	-1.7%
Omaha, NE.....	-0.8%	-0.7%	-1.2%	-1.6%
Lawrence, MA.....	-1.6%	-1.4%	-1.5%	-1.4%
Hartford, CT.....	-1.3%	-1.2%	-1.3%	-1.4%
<b>Mansfield, OH.....</b>	<b>-1.8%</b>	<b>-1.8%</b>	<b>-2.2%</b>	<b>-1.3%</b>
Kalamazoo-Battle Creek, MI.....	-1.4%	0.4%	-1.2%	-1.3%
San Jose, CA.....	-2.1%	-1.8%	-1.7%	-1.1%
Topeka, KS.....	-1.2%	-1.6%	0.0%	-1.1%
Boulder-Longmont, CO.....	-0.5%	-0.5%	-0.9%	-1.0%
Benton Harbor, MI.....	0.9%	-0.6%	-0.1%	-1.0%
Sioux City, IA.....	-0.3%	-0.8%	-1.8%	-1.0%
Gary, IN.....	-0.3%	-0.6%	-1.2%	-1.0%
<b>Dayton-Springfield, OH.....</b>	<b>-1.1%</b>	<b>-0.9%</b>	<b>-1.4%</b>	<b>-0.9%</b>
Sherman-Denison, TX.....	-0.7%	-1.1%	-0.5%	-0.9%

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US Dept. of Labor, BLS and MBG Information Services

## Economically Hardest Hit Areas

Local Area Jobs	----- 12 month job loss to: -----			
	April,'04	May,'04	June,'04	July,'04
<b>Steubenville-Weirton, OH.....</b>	<b>(1,400)</b>	<b>(1,600)</b>	<b>(2,300)</b>	<b>(2,100)</b>
Lansing-East Lansing, MI.....	(2,500)	(5,100)	(7,300)	(9,600)
Saginaw-Bay City-Midland, MI.....	(5,900)	(4,900)	(6,400)	(5,500)
Salinas, CA.....	(3,300)	(2,700)	(2,000)	(3,900)
Muncie, IN.....	(800)	(1,100)	(1,400)	(1,500)
Houma, LA.....	(300)	(2,300)	(2,600)	(2,200)
Detroit, MI.....	(32,000)	(25,100)	(38,700)	(44,900)
Enid, OK.....	(300)	(200)	(900)	(500)
Jackson, MI.....	(400)	(500)	(1,100)	(1,300)
Barnstable-Yarmouth, MA.....	300	(400)	(1,600)	(1,600)
Cedar Rapids, IA.....	(1,600)	(1,000)	(2,700)	(2,000)
Champaign-Urbana, IL.....	(900)	(1,200)	(1,600)	(1,700)
Omaha, NE.....	(3,400)	(2,900)	(5,000)	(6,600)
Lawrence, MA.....	(2,500)	(2,200)	(2,400)	(2,200)
Hartford, CT.....	(7,600)	(7,200)	(7,600)	(8,200)
<b>Mansfield, OH.....</b>	<b>(1,400)</b>	<b>(1,400)</b>	<b>(1,700)</b>	<b>(1,000)</b>
Kalamazoo-Battle Creek, MI.....	(3,000)	900	(2,600)	(2,700)
San Jose, CA.....	(17,700)	(15,400)	(14,600)	(9,600)
Topeka, KS.....	(1,200)	(1,600)	0	(1,100)
Boulder-Longmont, CO.....	(800)	(800)	(1,400)	(1,600)
Benton Harbor, MI.....	600	(400)	(100)	(700)
Sioux City, IA.....	(200)	(500)	(1,100)	(600)
Gary, IN.....	(700)	(1,500)	(3,200)	(2,500)
<b>Dayton-Springfield, OH.....</b>	<b>(5,200)</b>	<b>(4,200)</b>	<b>(6,300)</b>	<b>(4,300)</b>
Sherman-Denison, TX.....	(300)	(500)	(200)	(400)

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## Areas Of Worst Unemployment

Data are Not Seasonally Adjusted Local Area Unemployment Rates	June 2003	June 2004	July 2003	July 2004
Yuma, AZ.....	30.5%	27.5%	31.9%	29.8%
Visalia-Tulare-Porterville, CA.....	13.9%	14.9%	15.3%	14.5%
Kokomo, IN.....	5.0%	5.0%	16.6%	14.0%
Merced, CA.....	14.9%	14.1%	14.3%	13.7%
Yuba City, CA.....	13.7%	14.1%	13.4%	12.8%
McAllen-Edinburg-Mission, TX.....	14.4%	12.4%	14.3%	12.2%
Fresno, CA.....	13.3%	12.6%	12.9%	12.0%
Bakersfield, CA.....	11.7%	12.6%	12.2%	11.6%
Modesto, CA.....	12.0%	11.7%	11.6%	10.6%
Danville, VA.....	11.6%	9.4%	11.7%	10.5%
Stockton-Lodi, CA.....	9.8%	9.8%	10.4%	10.2%
Flint, MI.....	9.9%	8.5%	12.1%	10.2%
Pine Bluff, AK.....	10.6%	10.2%	10.5%	10.0%
<b>Steubenville-Weirton, OH.....</b>	<b>7.3%</b>	<b>10.3%</b>	<b>6.9%</b>	<b>9.7%</b>
Brownsville-Harlingen-SB, TX.....	12.4%	10.5%	11.6%	9.6%
Beaumont-Port Arthur, TX.....	11.1%	9.8%	10.5%	9.5%
Brazoria, TX.....	10.7%	9.6%	10.1%	9.2%
Sumter, SC.....	8.6%	8.3%	8.7%	8.7%
<b>Youngstown-Warren, OH.....</b>	<b>7.9%</b>	<b>7.5%</b>	<b>9.2%</b>	<b>8.6%</b>
Yakima, WA.....	9.5%	8.5%	9.3%	8.5%
Rockford, IL.....	8.7%	7.8%	8.7%	8.5%
Galveston-Texas City, TX.....	9.3%	8.5%	9.2%	8.3%
<b>Toledo, OH.....</b>	<b>7.7%</b>	<b>7.7%</b>	<b>9.0%</b>	<b>8.2%</b>
Detroit, MI.....	7.8%	7.3%	8.4%	8.2%
Saginaw-Bay City-Midland, MI.....	8.6%	7.9%	9.0%	8.1%

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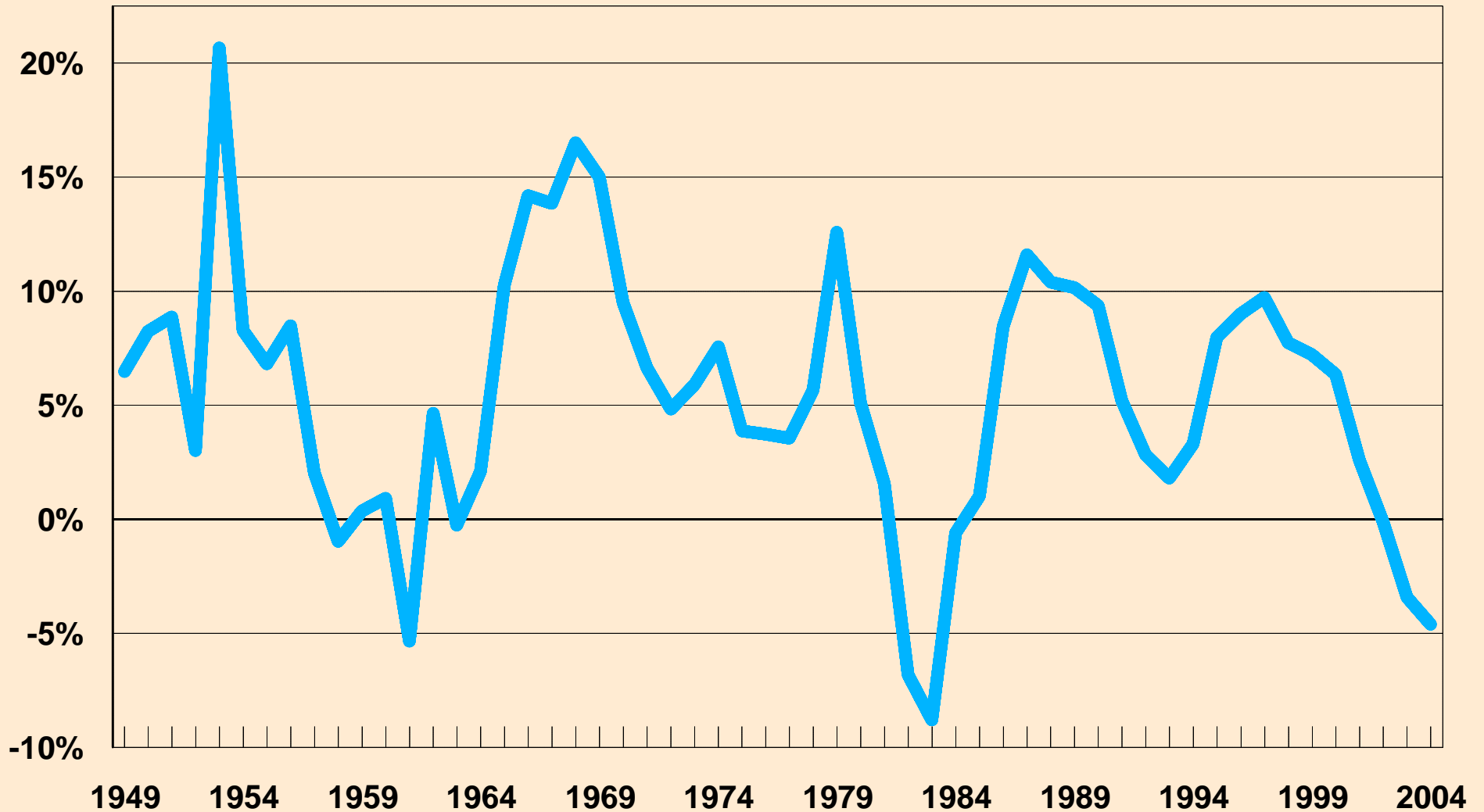
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## Hardest Hit Areas In Recent Downturn

	Establishment Nonfarm Jobs NOT seasonally adjusted	December 2000	July 2004	Job Loss	
				Jobs	Percent
1	Boulder-Longmont, CO.....	195,400	152,800	(42,600)	-21.8%
2	San Jose, CA.....	1,066,000	843,200	(222,800)	-20.9%
3	San Francisco, CA.....	1,111,100	948,600	(162,500)	-14.6%
4	Danville, VA.....	49,700	43,800	(5,900)	-11.9%
5	Cedar Rapids, IA.....	128,000	113,200	(14,800)	-11.6%
6	Muncie, IN.....	58,900	52,600	(6,300)	-10.7%
7	<b>Toledo, OH.....</b>	<b>338,000</b>	<b>302,500</b>	<b>(35,500)</b>	<b>-10.5%</b>
8	Detroit, MI.....	2,228,100	1,994,200	(233,900)	-10.5%
9	Lawrence, MA.....	168,700	151,100	(17,600)	-10.4%
10	Elmira, NY.....	44,500	40,200	(4,300)	-9.7%
11	Kokomo, IN.....	50,800	45,900	(4,900)	-9.6%
12	Saginaw-Bay City-Midland, MI.....	184,300	166,600	(17,700)	-9.6%
13	Greenville-Spartanburg-Andsn, SC..	508,200	461,900	(46,300)	-9.1%
14	Lowell, MA.....	132,400	120,500	(11,900)	-9.0%
15	<b>Mansfield, OH.....</b>	<b>82,100</b>	<b>74,900</b>	<b>(7,200)</b>	<b>-8.8%</b>
16	<b>Dayton-Springfield, OH.....</b>	<b>491,400</b>	<b>448,400</b>	<b>(43,000)</b>	<b>-8.8%</b>
17	Benton Harbor, MI.....	73,800	67,400	(6,400)	-8.7%
18	Decatur, IL.....	58,900	53,800	(5,100)	-8.7%
19	Binghamton, NY.....	121,300	110,900	(10,400)	-8.6%
20	Flint, MI.....	170,300	155,700	(14,600)	-8.6%
21	Lawrence, KS.....	52,700	48,300	(4,400)	-8.3%
22	Sioux City, IA.....	66,600	61,100	(5,500)	-8.3%
23	Boston, MA.....	2,098,700	1,927,300	(171,400)	-8.2%
24	<b>Youngstown-Warren, OH.....</b>	<b>247,500</b>	<b>227,500</b>	<b>(20,000)</b>	<b>-8.1%</b>
25	Jackson, MI.....	65,600	60,300	(5,300)	-8.1%

# Ohio Lost -4.6% of Its Jobs In Last Four Years: Since the 1930s, Only the Early-1980s and Early-1960s Were Worses

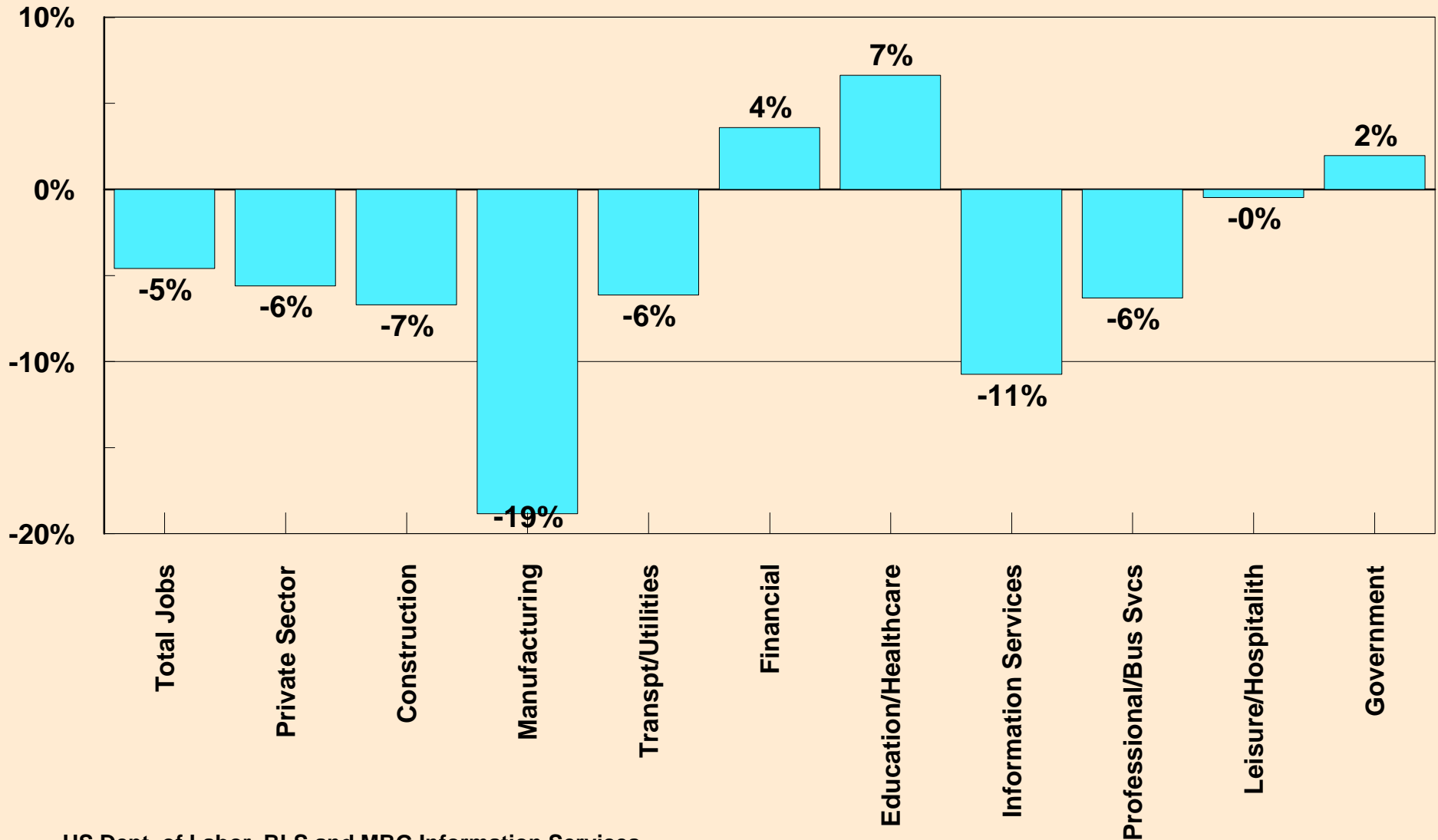
**% Job Growth/Loss in Ohio: 4 Years to July Each Year**





# Decline and Shift in Ohio's Jobs: July 2000 through July 2004

% Decline/Growth of Jobs in Ohio: Four Years to July 2004



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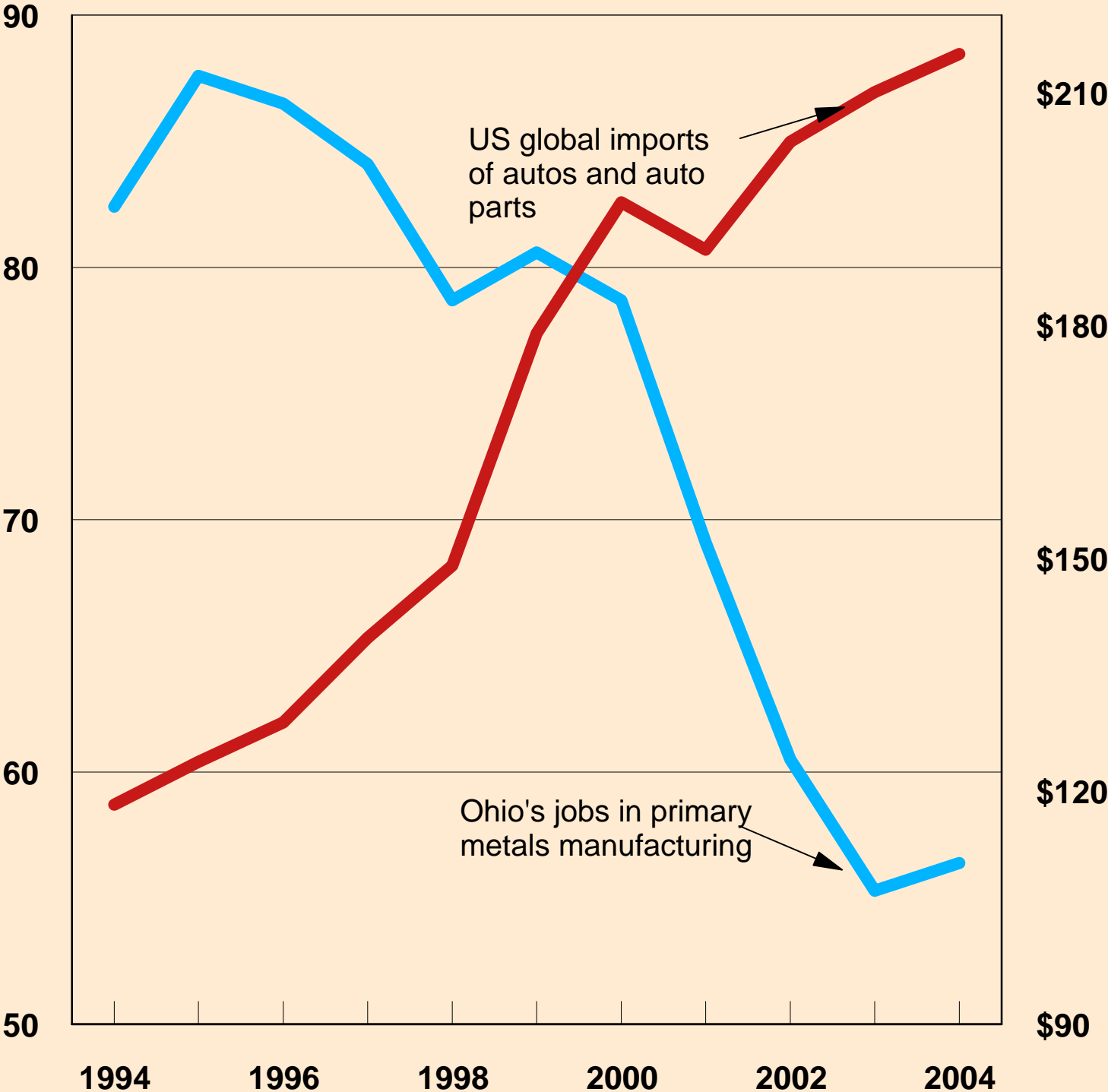
## Ohio's Job Losses, 2000-'04

### Widespread Losses in Goods and Most Services

Industry: Change from July, '00 to July, '04	4-Year Job Growth/Loss	
	Number	Percent
Total nonfarm.....	-258.8	-4.60%
Total private.....	-273.4	-5.60%
Goods-producing.....	-209.1	-16.21%
Service-providing.....	-49.7	-1.15%
Private Service-providing.....	-64.3	-1.79%
Construction.....	-17.7	-6.70%
Manufacturing.....	-190.8	-18.84%
Durable goods .....	-150.7	-21.11%
Nonmetallic minerals.....	-9.1	-20.92%
Primary metals.....	-22.3	-28.34%
Iron and steel mills.....	-8.1	-36.99%
Foundries.....	-7.1	-27.20%
Fabricated metal products.....	-26.0	-18.60%
Machine shops, turned products.....	-6.5	-21.59%
Machinery.....	-23.7	-21.53%
Metalworking machinery.....	-7.5	-21.99%
Computer and electronic products.....	-14.1	-35.07%
Semiconductors, electronic components.....	-4.7	-41.59%
Electrical equipment and appliances.....	-7.9	-18.59%
Transportation equipment.....	-32.1	-18.15%
Motor vehicles and parts.....	-4.5	-12.78%
Motor vehicle parts.....	-21.0	-19.30%
Aerospace products & parts.....	-3.2	-18.82%
Furniture and related.....	-4.6	-17.49%
Nondurable goods .....	-40.1	-13.41%
Paper and paper products.....	-4.9	-15.31%
Chemicals.....	-4.4	-8.24%
Plastics and rubber products.....	-17.0	-18.91%
Wholesale trade.....	-12.4	-5.00%
Retail trade.....	-41.4	-6.24%
Transportation/Utilities.....	-14.1	-7.20%
Information Services.....	-11.5	-10.74%
Telecommunications.....	-5.8	-15.51%
Financial activities.....	11.0	3.60%
Credit Intermediation.....	10.6	9.56%
Professional and business services.....	-41.2	-6.31%
Professional and technical services.....	-11.5	-4.89%
Legal services.....	3.3	9.09%
Architectural and engineering.....	-3.0	-6.73%
Computer systems design and services.....	-7.2	-15.62%
Management of companies.....	4.9	5.88%
Education and health services.....	44.9	6.64%
Educational services.....	-11.3	-13.19%
Health care and social assistance.....	56.2	9.52%
Leisure and hospitality.....	-2.4	-0.47%
Other services.....	2.8	1.25%
Government.....	14.6	1.96%
Federal.....	-13.7	-14.91%
State government.....	1.6	1.08%
Local government.....	26.7	5.29%

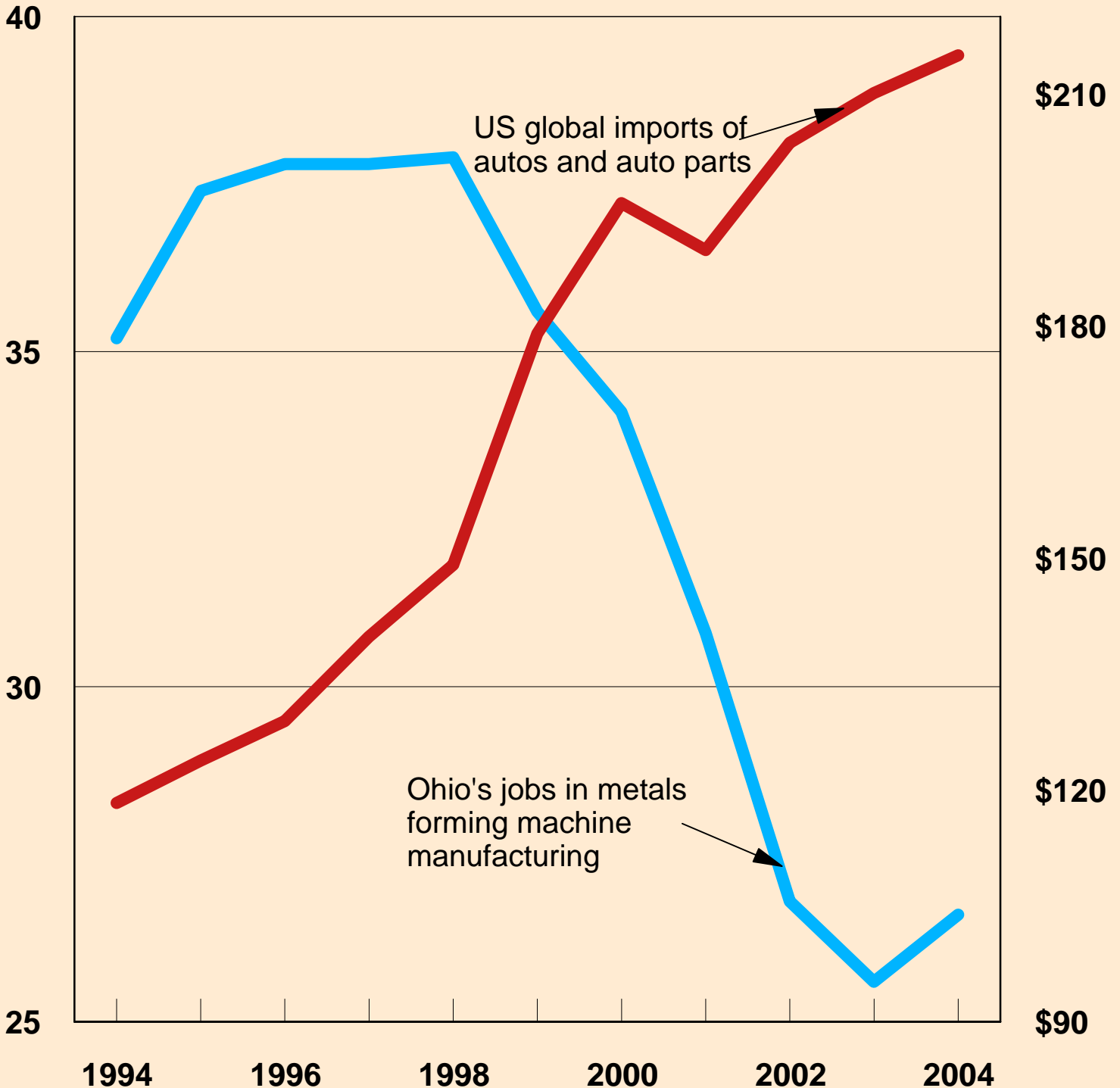
# Ohio's Metals Jobs And Imports

Left Scale: 1,000 of Ohio Primary Metals Jobs, July Each Year  
Right Scale: \$ Billion of Imported Autos and Parts



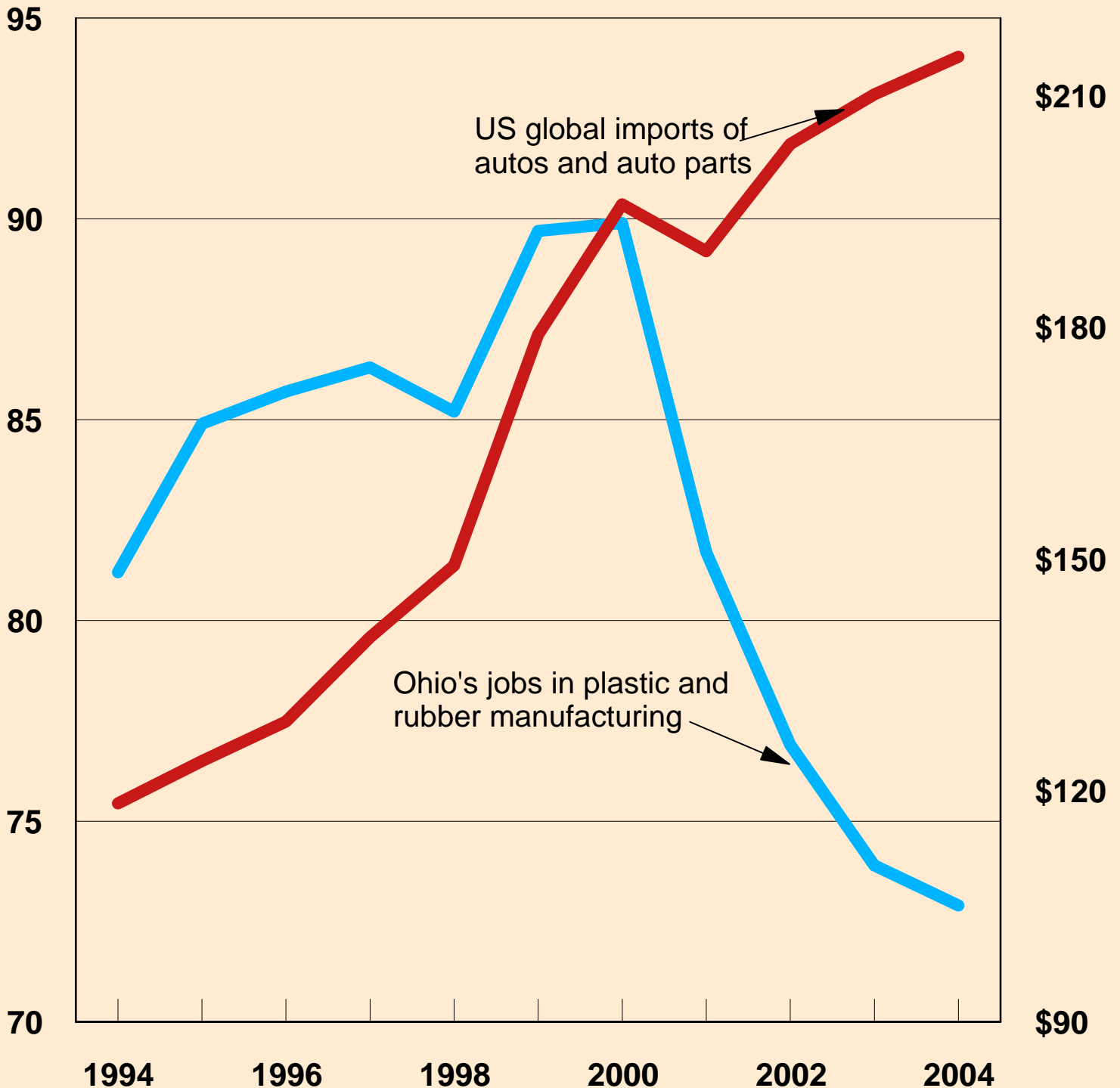
# Ohio's Machine Tool Jobs & Imports

Left Scale: 1,000 of Ohio Machine Tools Jobs, July Each Year  
Right Scale: \$ Billion of Imported Autos and Parts



# Ohio's Plastics/Rubber Jobs & Imports

Left Scale: 1,000 of Ohio Plastics/Rubber Jobs, July Each Year  
Right Scale: \$ Billion of Imported Autos and Parts



# Ohio's Vehicle Equip. Jobs & Imports

Left Scale: 1,000 of Ohio Vehicles/Parts Jobs, June Each Year  
Right Scale: \$ Billion of Imported Autos and Parts

