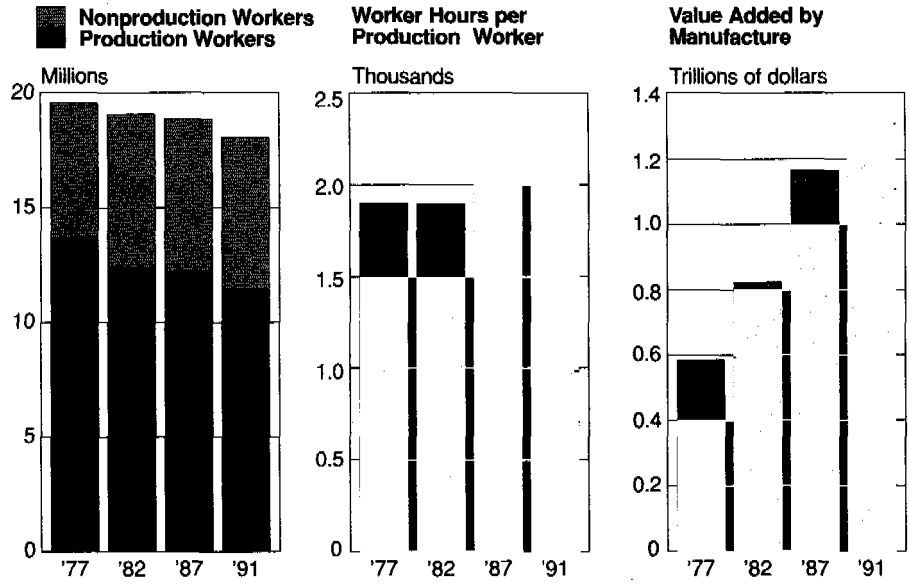
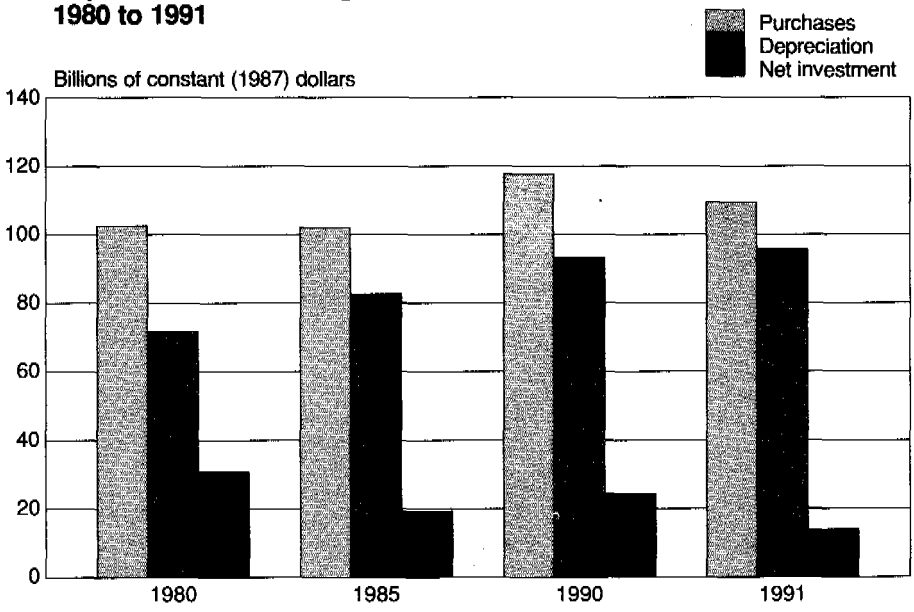
Figure 27.1
Summary of Manufactures: 1977 to 1991



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1255.

Figure 27.2
Capital in Manufacturing Establishments: 1980 to 1991



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1263.

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

In Brief

Personal computer shipments topped 9.8 million units in 1991.

1-megabit DRAM chips:

	1965	1991
Revenue (mil. dol.)	*5*	*3,776*
Price (dollars)	*162.50*	*4.52*

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every 5 years; the *Annual Survey of Manufactures;* and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin.* Reports on current activities of industries, or current movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, NY and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the Securities and Exchange Commission. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also section 17, Business Enterprise, in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one paid employee or more.

The *Annual Survey of Manufactures (ASM),* conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The 1991 annual survey is based on a sample of about 55,000 establishments of an approximate total of 200,000. These establishments represent all manufacturing establishments of multiunit companies and all single-establishment manufacturing companies mailed schedules in the 1987 Census of Manufactures. The 1989 through 1993 ASM sample is similar to the previous sample. For the current panel, all establishments of companies with 1987 shipments in manufacturing in excess of $500 million were included in the survey with certainty. For the remaining portion of the mail survey, the establishment was defined as the sampling unit. For this portion, all establishments with 250 employees or more and establishments with a very large value of shipments also were included. Therefore, of the 55,000 establishments included in the ASM panel, approximately 28,000 are selected with certainty. These establishments account for approximately 80 percent of total value of shipments in the 1987

census. Smaller establishments in the remaining portion of the mail survey were selected by sample.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November; whereas, for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1987 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC),* issued by the U.S. Office of Management and Budget (see text, section 13). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the *Manual.* It is important to note, therefore, that the 1987 edition of the *Manual* was used for the 1987 census; and the 1972 edition of the *Manual* and the *1977 Supplement* was used for the 1972 through 1982 censuses. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons at any time during the census year. Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. Approximately 150,000 small single-unit manufacturing firms identified as having less than 20 employees (cutoff varied by industry) benefited from this procedure. Data for these single-unit companies were estimated on the basis of government administrative records and industry averages. Each of the establishments tabulated was classified in one of the approximately 459 manufacturing industries as defined by the *SIC Manual* in 1987. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason, care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1987 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical to the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Durable goods.—Items with a normal life expectancy of 3 years or more. Automobiles, furniture, household appliances, and mobile homes are common examples.

Nondurable goods.—Items which generally last for only a short time (3 years or less). Food, beverages, clothing, shoes, and gasoline are common examples.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

No. 1254. Gross National Product in Manufacturing: 1977 to 1989

[In millions of dollars. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

ITEM	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
CURRENT DOLLARS													
Manufacturing	465,346	518,752	561,765	581,018	643,098	634,648	683,205	771,884	789,537	832,420	875,539	940,656	965,997
Durable goods [1]	277,673	317,351	345,242	351,820	385,824	362,512	385,633	451,120	458,774	478,079	499,874	527,137	540,995
Lumber and wood products	15,890	19,010	20,823	18,658	17,125	16,041	20,543	22,843	22,245	24,690	29,441	31,118	32,163
Stone, clay, and glass	15,251	17,975	19,573	19,012	19,039	18,160	20,179	22,934	24,777	26,915	25,737	25,695	26,299
Primary metal industries	33,471	40,623	45,225	44,286	49,804	35,281	30,344	36,286	34,803	39,248	36,053	43,241	44,376
Fabricated metal products	35,438	39,965	44,765	46,017	49,632	46,281	47,626	55,053	57,845	57,917	60,412	65,325	68,029
Machinery, exc. electrical	55,421	62,384	70,631	76,861	86,166	80,005	75,346	85,445	82,687	82,699	88,916	96,157	97,300
Electric and electronic equip	39,490	45,640	49,326	54,961	60,695	61,814	67,694	79,888	82,193	82,656	89,626	90,461	96,894
Motor vehicles and equip	35,846	38,428	35,811	26,698	31,539	29,453	39,037	49,647	53,718	53,219	52,505	53,311	50,072
Instruments and related products	13,174	15,120	16,485	18,962	22,260	22,631	23,845	26,949	25,809	27,138	26,840	30,256	30,541
Nondurable goods [1]	187,673	201,401	216,523	229,198	257,274	272,136	297,572	320,764	330,763	354,341	375,665	413,519	425,002
Food and kindred products	42,665	44,839	47,859	52,198	57,879	61,427	64,662	66,648	69,830	70,926	75,096	80,863	81,458
Tobacco	5,714	6,485	6,826	7,286	7,925	8,916	11,942	12,762	12,156	14,386	14,105	14,445	16,096
Textile mill	14,047	(NA)	14,785	14,962	15,891	14,827	16,935	17,409	17,135	19,118	20,055	20,217	20,803
Apparel and other textile	14,468	15,442	16,040	17,093	18,671	18,931	20,270	20,716	20,640	21,907	22,478	23,556	24,603
Paper and allied products	18,030	19,839	22,219	23,126	25,052	26,718	27,769	31,907	33,123	35,501	40,152	45,682	46,827
Printing and publishing	23,326	26,202	28,810	31,553	35,228	38,364	42,374	47,578	52,512	56,865	61,112	65,505	68,236
Chemicals and allied	37,506	39,842	44,124	45,475	53,304	55,257	59,581	61,972	63,823	70,789	80,938	95,819	98,763
Petroleum and coal	14,542	15,200	15,076	16,757	19,784	24,352	28,260	33,747	32,219	35,174	29,599	34,515	33,682
CONSTANT (1982) DOLLARS													
Manufacturing	664,755	694,744	712,184	673,936	678,555	634,648	674,223	752,407	779,230	803,179	852,178	917,448	929,042
Durable goods [1]	403,295	423,307	433,149	408,468	408,606	362,512	383,817	448,614	471,548	482,717	515,552	570,796	583,684
Lumber and wood products	19,504	19,348	21,665	21,328	16,515	16,041	18,831	20,921	19,824	21,307	24,993	26,439	25,646
Stone, clay, and glass	22,674	23,327	23,546	21,254	20,187	18,160	19,671	21,300	22,158	22,874	22,018	22,847	23,552
Primary metal industries	47,867	52,825	52,669	48,231	50,583	35,281	28,856	33,360	32,682	32,156	34,752	37,750	36,863
Fabricated metal products	51,534	53,382	56,040	53,692	52,975	46,281	48,761	54,781	56,234	54,774	58,908	66,218	65,816
Machinery, exc. electrical	78,381	80,915	85,588	86,051	89,564	80,005	84,816	105,663	124,180	129,447	138,112	163,910	174,853
Electric and electronic equip	50,087	56,175	60,159	63,346	64,897	61,814	64,559	73,540	74,315	74,141	82,891	88,060	90,839
Motor vehicles and equip	56,988	58,103	51,587	35,160	34,783	29,453	37,813	47,322	50,332	46,516	44,788	49,503	47,283
Instruments and related products	19,735	20,315	22,397	21,922	23,763	22,631	23,070	25,157	24,244	25,687	25,748	27,946	26,639
Nondurable goods [1]	261,460	271,437	279,035	265,468	269,949	272,136	290,406	303,793	307,682	320,462	336,627	346,651	345,358
Food and kindred products	51,702	56,566	59,526	59,762	58,900	61,427	62,655	62,063	64,818	65,592	66,665	67,836	70,284
Tobacco	9,525	9,924	9,852	9,561	9,931	8,916	8,004	7,784	6,248	7,039	5,164	3,725	3,080
Textile mill	17,628	16,595	17,029	16,368	15,792	14,827	16,230	16,025	15,598	17,043	17,374	16,747	16,720
Apparel and other textile	20,760	21,538	21,334	21,068	20,284	18,931	20,060	20,421	20,096	20,993	21,952	22,406	22,396
Paper and allied products	27,531	28,901	28,667	25,800	25,502	26,718	28,978	29,498	30,214	31,579	33,658	34,560	32,992
Printing and publishing	35,190	36,228	37,097	37,048	38,588	38,364	39,642	40,772	42,532	43,130	44,723	46,515	45,116
Chemicals and allied	52,999	55,057	56,700	50,021	53,986	55,257	59,723	59,398	59,057	64,563	71,944	77,501	76,128
Petroleum and coal	23,453	22,673	24,931	22,937	21,811	24,352	29,780	39,520	39,363	41,139	42,599	44,463	44,906

NA Not available. [1] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States: Volume 2, 1959-88;* and *Survey of Current Business,* July issues.

No. 1255. Manufactures—Summary: 1963 to 1991

[For establishment coverage, see text, section 27. Data based on Census of Manufactures, except as noted. For composition of regions, see table 31. See also, *Historical Statistics, Colonial Times to 1970*, series P 1-12]

ITEM	Unit	1963	1967	1972	1977	1982	1987	1990 [1]	1991 [1]
ALL ESTABLISHMENTS									
Number of establishments [2]	**1,000**	**312**	**311**	**321**	**360**	**358**	**369**	**(NA)**	**(NA)**
With 20 or more employees	1,000	102	110	114	119	123	126	(NA)	(NA)
Employee size-class:									
Establishments [3]	1,000	305	306	313	351	348	359	(NA)	(NA)
Under 20	1,000	207	199	203	237	230	238	(NA)	(NA)
20 to 99	1,000	70	74	76	78	84	86	(NA)	(NA)
100 to 249	1,000	18	20	21	22	21	22	(NA)	(NA)
250 to 999	1,000	10	11	11	12	11	11	(NA)	(NA)
1,000 and over	1,000	3	3	3	2	2	2	(NA)	(NA)
Form of organization:									
Corporate	1,000	176.2	153.9	233.2	284.2	283.2	287.4	(NA)	(NA)
Noncorporate, total [4]	1,000	130.4	33.2	87.5	75.7	74.0	81.5	(NA)	(NA)
Individual proprietorship	1,000	99.2	24.9	42.5	52.3	45.6	35.4	(NA)	(NA)
Partnership	1,000	27.7	6.7	17.7	18.3	15.0	13.2	(NA)	(NA)
Value added by region:									
Northeast	Percent	29.8	29.1	26.3	23.7	23.7	23.7	20.6	20.5
North Central	Percent	35.4	35.0	34.9	34.4	29.8	29.8	29.9	29.9
South	Percent	21.5	22.7	25.5	27.4	29.5	29.5	32.0	32.2
West	Percent	13.3	13.0	13.4	14.5	17.0	17.0	17.5	17.4
All employees, [5] **annual average** [6]	**Million**	**17.0**	**19.3**	**19.0**	**19.6**	**19.1**	**18.9**	**18.8**	**18.1**
Payroll, all employees	Bil. dol.	100	132	174	264	380	476	532	529
Payroll per employee	$1,000	5.9	6.8	9.2	13.5	19.9	25.2	28.3	29.3
Production workers, annual average	Million	12.2	14.0	13.5	13.7	12.4	12.2	12.1	11.5
Percent of all employees	Percent	71.8	72.5	71.1	69.9	64.9	64.6	64.4	63.7
Hours, production workers	Billion	24.5	27.8	26.7	26.7	23.5	24.3	24.3	23.2
Hours per worker	1,000	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.0
Wages, production workers	Bil. dol.	62	81	106	157	205	251	272	266
Percent of payroll for all employees	Percent	62.0	61.4	60.9	59.5	53.9	52.8	51.1	50
Wages per worker	$1,000	5.1	5.8	7.9	11.5	16.5	20.6	22.5	23.1
Wages per worker hour	Dollar	2.53	2.91	3.97	5.89	8.72	10.35	11.19	11.49
Value added by manufacture [7]	**Bil. dol.**	**192**	**262**	**354**	**585**	**824**	**1,166**	**1,326**	**1,314**
Per production worker	$1,000	15.7	18.7	26.2	42.7	66.5	95.5	109.6	114.1
Per production worker hour	Dollar	7.84	9.42	13.26	21.91	35.06	47.97	54.57	56.70
Per dollar of workers' wages	Dollar	3.10	3.23	3.34	3.73	4.02	4.64	4.88	4.93
Cost of materials	**Bil. dol.**	**230**	**299**	**407**	**782**	**1,130**	**1,320**	**1,554**	**1504**
Value of shipments [8]	**Bil. dol.**	**421**	**557**	**757**	**1,359**	**1,960**	**2,476**	**2,874**	**2,826**
Per production worker	$1,000	34.5	39.8	56.1	99.2	158.1	203.0	237.5	245.5
End-of-year inventories	Bil. dol.	60	84	108	188	307	333	393	380
Capital expenditures, new [9]	Bil. dol.	11.4	21.5	24.1	47.5	75.0	78.6	102.0	99.0
Ratios:									
Value added to shipments	Ratio	45.6	47.0	46.7	42.9	42.0	47.1	(NA)	(NA)
Inventories to shipments	Ratio	14.2	15.0	14.2	13.8	15.7	13.4	(NA)	(NA)
Payroll to value added	Ratio	52.0	50.3	49.1	45.2	46.1	40.8	(NA)	(NA)
Gross book value of depreciable assets	Bil. dol.	158	218	301	439	692	868	(NA)	(NA)
Machinery and equipment	Bil. dol.	(NA)	157	218	328	527	671	(NA)	(NA)
Assets per employee	$1,000	9.3	11.3	16.4	22.4	36.2	48.6	(NA)	(NA)
MULTIUNIT COMPANIES									
Establishments	1,000	45.9	51.7	70.2	81.2	81.7	80.9	(NA)	(NA)
Employees	Million	11.0	13.3	14.3	15.0	14.3	13.8	(NA)	(NA)
Production workers	Million	8.1	9.8	9.8	10.1	8.8	8.5	(NA)	(NA)
Payroll, all employees	Bil. dol.	68.2	93.8	138.8	214.2	307.5	377.3	(NA)	(NA)
Wages, production workers	Bil. dol.	44.7	60.9	81.9	124.9	159.1	191.8	(NA)	(NA)
Value added by manufacture	Bil. dol.	146.6	206.4	286.1	485.0	678.4	953.6	(NA)	(NA)
Capital expenditures, new	Bil. dol.	8.9	18.6	20.0	41.0	65.2	66.5	(NA)	(NA)
SINGLE UNIT COMPANIES [10]									
Establishments	1,000	260.8	254.0	250.5	278.7	276.3	288.0	(NA)	(NA)
Employees	Million	5.2	5.2	4.8	4.6	4.8	5.1	(NA)	(NA)
Payroll, all employees	Bil. dol.	25.1	28.5	35.4	49.8	72.1	98.3	(NA)	(NA)
Value added by manufacture	Bil. dol.	45.5	55.5	67.9	100.1	145.7	212.1	(NA)	(NA)

NA Not available. [1] Estimated data based on *Annual Survey of Manufactures;* see text, section 27. [2] Includes administrative and auxiliary units, except as noted. [3] Excludes administrative offices and auxiliary units. [4] Includes forms of organization not shown separately. [5] Includes data for employees of manufacturing establishments engaged in distribution and construction work. [6] Data are based on pay periods ending nearest 15th of March, May, August, and November. [7] Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. [8] Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. [9] Includes plants under construction and not yet in operation. [10] Beginning 1967, includes data obtained from Federal administrative records.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972, 1977, 1982,* and *1987;* and *Annual Survey of Manufactures.*

No. 1256. Manufactures—Summary, by Industry Group: 1982, 1987, and 1991

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of Management and Budget; see text, section 27. N.e.c. = Not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series P-58-67]

SIC [1] code	INDUSTRY GROUP	1982				1987				1991				
		Establishments (number)	All employees		Value of shipments (mil. dol.)	Establishments, total	All employees		Value of shipments (mil. dol.)	All employees		Production workers	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
(X)	**All manufacturing establishments**	**358,061**	**19,094**	**379,627**	**1,960,206**	**368,897**	**18,950**	**475,651**	**2,475,901**	**18,062**	**529,019**	**11,513**	**1,313,829**	**2,826,207**
20	**Food and kindred products**	**22,130**	**1,488**	**26,088**	**280,529**	**20,624**	**1,449**	**30,268**	**329,725**	**1,475**	**34,578**	**1,070**	**145,336**	**387,601**
201	Meat products	3,623	318	4,993	67,602	3,267	341	5,701	77,002	390	7,025	330	17,476	89,391
202	Dairy products	2,724	140	2,553	38,771	2,366	142	3,217	44,755	136	3,595	84	13,855	49,853
203	Preserved fruits and vegetables	(NA)	(NA)	(NA)	(NA)	1,912	209	3,784	36,343	216	4,572	181	22,043	46,806
204	Grain mill products	2,745	108	2,197	31,386	2,610	102	2,704	36,737	103	3,126	71	19,835	47,111
205	Bakery products	(NA)	(NA)	(NA)	(NA)	2,850	217	4,761	23,677	209	5,279	127	16,452	26,539
206	Sugar and confectionery products	1,033	96	1,661	15,576	1,094	90	1,991	18,887	92	2,328	73	10,107	21,959
207	Fats and oils	724	39	774	16,752	595	30	702	15,881	28	744	19	3,815	18,735
208	Beverages	2,584	194	4,244	38,801	2,214	161	4,521	47,327	145	4,591	73	26,839	54,610
209	Miscellaneous foods and kindred products	3,941	158	2,300	23,959	3,716	158	2,867	29,116	156	3,318	114	14,915	32,598
21	**Tobacco products**	**163**	**58**	**1,324**	**16,061**	**138**	**45**	**1,486**	**20,757**	**40**	**1,520**	**29**	**24,484**	**32,032**
211	Cigarettes	14	42	1,094	12,127	11	32	1,486	17,372	27	1,224	20	22,210	27,111
212	Cigars	60	5	59	254	20	3	36	192	3	51	2	201	312
213	Chewing and smoking tobacco	29	3	52	665	29	3	77	1,114	3	88	2	1,203	1,602
214	Tobacco stemming and redrying	60	8	120	3,015	78	7	139	2,079	7	157	5	871	3,008
22	**Textile mill products**	**6,630**	**717**	**9,046**	**47,515**	**6,412**	**672**	**11,410**	**62,786**	**598**	**11,375**	**515**	**26,925**	**65,706**
221	Broadwoven fabric mills, cotton	269	77	965	3,972	301	72	1,260	5,508	66	1,246	59	2,480	5,695
222	Broadwoven fabric mills, manmade	523	141	1,815	8,191	441	88	1,596	8,049	78	1,600	69	3,551	8,315
223	Broadwoven fabric mills, wool	131	13	176	763	119	14	236	1,051	15	296	13	705	1,804
224	Narrow fabric mills	281	18	216	852	277	19	296	1,136	16	291	14	698	1,248
225	Knitting mills	(NA)	(NA)	(NA)	(NA)	2,130	203	2,988	13,531	181	3,022	159	7,244	15,449
226	Textile finishing, except wool	753	58	834	4,972	971	56	1,036	7,042	49	1,046	41	2,641	6,360
227	Carpets and rugs	505	42	603	5,808	477	53	1,039	9,795	49	1,028	38	2,846	8,988
228	Yarn and thread mills	714	109	98	7,036	610	114	1,850	10,277	94	1,670	86	3,684	10,687
229	Miscellaneous textile goods	(NA)	(NA)	(NA)	(NA)	1,086	53	1,109	6,398	50	1,176	38	3,077	7,160
23	**Apparel and other textile products**	**24,391**	**1,189**	**12,129**	**53,388**	**22,872**	**1,081**	**13,904**	**64,243**	**960**	**14,135**	**815**	**33,432**	**65,345**
231	Men's and boys' suits and coats	529	75	878	3,062	347	55	779	2,863	44	743	37	1,400	2,467
232	Men's and boys' furnishings	2,544	299	2,837	12,727	2,195	280	3,246	15,441	252	3,371	222	8,681	15,988
233	Women's and misses' outerwear	10,838	419	4,110	18,225	10,290	349	4,297	19,389	307	4,244	262	9,953	19,433
234	Women's and children's undergarments	755	82	783	3,323	557	68	8,439	3,738	58	810	49	2,172	3,683

See footnotes at end of table.

356-918 O - 93 - 25 : QL 3

No. 1256. Manufactures—Summary, by Industry Group: 1982, 1987, and 1991—Continued

[See headnote, p. 743]

SIC [1] code	INDUSTRY GROUP	1982				1987				1991				
		Establishments (number)	All employees		Value of shipments (mil. dol.)	Establishments, total	All employees		Value of shipments (mil. dol.)	All employees		Production workers	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
23	**Apparel, other textile products—Con.**													
235	Hats, caps, and millinery	419	16	157	522	461	17	204	663	16	228	14	455	801
236	Girls' and children's outerwear	968	71	671	2,711	834	72	826	3,753	59	791	50	1,907	3,579
237	Fur goods	504	3	60	419	380	2	48	423	2	29	1	70	257
238	Miscellaneous apparel and accessories	1,223	50	513	2,118	986	41	518	2,229	37	546	30	1,167	2,244
239	Miscellaneous fabricated textile products	6,611	174	2,120	10,281	6,822	198	3,143	15,744	186	3,373	152	7,627	16,894
24	**Lumber and wood products**	**32,984**	**576**	**8,445**	**42,935**	**33,982**	**698**	**12,707**	**69,747**	**631**	**12,738**	**526**	**26,995**	**70,569**
241	Logging	11,658	81	1,208	8,274	11,952	86	1,518	10,938	78	1,561	65	4,097	11,434
242	Sawmills and planing mills	7,403	158	2,306	11,132	6,696	180	3,297	19,220	158	3,244	141	6,803	19,409
243	Millwork, plywood, and structural members	6,545	165	2,596	11,683	7,930	240	4,658	22,614	210	4,487	171	8,885	21,448
244	Wood containers	2,250	36	391	1,635	2,216	37	483	2,069	40	634	33	1,203	2,864
245	Wood buildings and mobile homes	1,163	60	880	4,955	1,077	65	1,215	6,575	54	1,106	42	2,173	5,952
249	Miscellaneous Wood Products	3,965	77	1,064	5,255	4,104	90.1	1536.4	8,330	91	1,706	74	3,832	9,462
25	**Furniture and fixtures [3]**	**10,003**	**436**	**6,084**	**24,129**	**11,613**	**511**	**9,082**	**37,462**	**466**	**9,489**	**369**	**20,669**	**40,027**
251	Household furniture	5,475	263	3,162	12,776	5,606	284	4,452	18,559	259	4,576	217	9,723	19,499
252	Office Furniture	700	59	1,051	4,150	986	81	1,790	7,538	66	1,761	48	4,128	7,263
253	Public building and related furniture	413	19	295	1,103	484	22	397	2,088	26	559	20	1,259	3,136
254	Partitions and fixtures	2,148	60	1,025	3,710	2,455	74	1,552	5,537	67	1,622	49	3,210	5,929
259	Miscellaneous furniture and fixtures	1,267	36	551	2,390	2,084	50	892	3,740	48	972	35	2,348	4,200
26	**Paper and allied products**	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**6,342**	**611**	**16,860**	**108,989**	**621**	**19,383**	**477**	**58,281**	**128,824**
261	Pulp mills	43	17	468	3,110	39	14	535	4,314	17	697	13	2,446	5,329
262	Paper mills	299	129	3,431	20,995	281	129	4,597	28,918	130	5,224	99	15,510	33,344
263	Paperboard mills	222	56	1,502	9,531	199	52	1,859	13,730	51	2,027	39	7,257	15,013
265	Paperboard containers and boxes	2,781	188	3,517	19,192	2,796	194	4,618	25,863	199	5,392	153	11,531	30,577
267	Miscellaneous converted paper products	3,006	213	3,961	26,701	3,027	222	5,251	36,165	224	6,043	173	21,537	44,560
27	**Printing and publishing**	**53,406**	**1,292**	**22,707**	**85,797**	**61,774**	**1,494**	**33,440**	**136,196**	**1,488**	**38,742**	**787**	**103,771**	**156,685**
271	Newspapers	8,846	402	6,555	21,276	9,079	434	9,022	31,850	428	10,309	145	26,093	33,702
272	Periodicals	3,328	94	1,986	11,478	4,017	110	2,983	17,329	111	3,661	21	13,794	20,345
273	Books	2,811	112	2,090	10,132	2,856	114	2,821	15,876	126	3,700	55	14,071	20,736
274	Miscellaneous publishing	2,057	45	706	2,871	2,376	70	1,513	7,810	65	1,780	23	7,354	9,762
275	Commercial printing	(NA)	(NA)	(NA)	(NA)	36,103	553	12,301	44,786	556	14,135	401	28,892	51,948
276	Manifold business forms	810	50	934	5,059	853	53	1,281	7,397	46	1,269	32	3,840	7,234
277	Greeting cards	154	21	344	1,894	162	22	471	2,911	24	609	13	2,925	3,810
278	Blankbooks and bookbinding	1,487	61	903	2,803	1,545	69	1,265	4,080	70	1,395	54	3,217	4,571
279	Printing trade services	(NA)	(NA)	(NA)	(NA)	4,783	69	1,784	4,157	62	1,884	45	3,584	4,577

SIC [1] code	INDUSTRY GROUP	1982				1987				1991				
		Establishments (number)	All employees		Value of shipments (mil. dol.)	Establishments, (number)	All employees		Value of shipments (mil. dol.)	All employees		Production workers	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
28	**Chemicals and allied products**	**11,901**	**873**	**20,836**	**170,737**	**12,109**	**814**	**25,016**	**229,546**	**846**	**31,002**	**477**	**154,793**	**292,326**
281	Industrial inorganic chemicals	1,365	108	2,795	17,260	1,405	94	3,099	19,774	104	4,085	56	15,724	26,511
282	Plastics materials and synthetics	606	141	3,451	28,428	680	123	4,013	40,851	129	4,889	87	19,673	46,235
283	Drugs	1,281	166	3,966	24,695	1,356	172	5,304	39,263	184	7,198	83	43,245	60,836
284	Soap, cleaners, and toilet goods	2,379	127	2,581	26,031	2,399	119	3,099	34,748	123	3,750	76	25,374	41,854
285	Paints and allied products	1,441	54	1,158	9,162	1,431	55	1,492	12,702	51	1,568	25	6,784	14,255
286	Industrial organic chemicals	969	144	4,005	38,157	961	126	4,541	51,158	127	5,429	75	26,441	64,432
287	Agricultural chemicals	1,127	51	1,156	14,653	973	40	1,171	14,267	41	1,406	25	8,121	18,522
289	Miscellaneous chemical products	2,733	82	1,725	12,330	2,904	85	2,298	16,782	87	2,678	51	9,431	19,682
29	**Petroleum and coal products**	**2,322**	**152**	**4,339**	**208,919**	**2,254**	**116**	**3,996**	**130,414**	**113**	**4,729**	**73**	**24,024**	**158,076**
291	Petroleum refining	(NA)	(NA)	(NA)	(NA)	331	75	2,845	118,186	74	3,448	48	19,796	145,392
295	Asphalt paving and roofing materials	1,307	30	629	5,946	1,367	28	786	7,749	26	843	19	2,543	7,233
299	Miscellaneous petroleum and coal products	582	14	312	3,614	556	13	365	4,479	13	438	7	1,685	5,452
30	**Rubber and misc. plastics products**	**13,449**	**682**	**11,597**	**55,416**	**14,515**	**831**	**17,581**	**86,634**	**840**	**20,298**	**647**	**50,295**	**100,668**
301	Tires and inner tubes	164	70	1,734	9,340	164	65	2,070	10,427	66	2,286	52	6,654	11,883
302	Rubber and plastics footwear	65	18	197	706	66	11	153	557	12	182	10	384	757
305	Hose and belting and plastics and packing	635	55	999	3,612	693	52	1,159	4,646	53	1,332	39	2,843	5,241
306	Fabricated rubber products, n.e.c.	(NA)	(NA)	(NA)	(NA)	1,573	104	2,245	9,227	98	2,323	75	5,293	10,370
308	Miscellaneous plastics products, n.e.c.	(NA)	(NA)	(NA)	(NA)	12,019	599	11,955	61,775	611	14,176	471	35,121	72,417
31	**Leather and leather products**	**2,735**	**200**	**2,219**	**9,719**	**2,193**	**129**	**1,831**	**9,082**	**106**	**1,753**	**89**	**4,293**	**9,142**
311	Leather tanning and finishing	384	20	311	1,753	344	15	292	2,219	12	278	10	710	2,183
313	Footwear cut stock	161	7	81	368	128	5	70	324	5	83	5	182	383
314	Footwear, except rubber	751	121	1,250	5,269	479	71	913	4,073	53	770	46	1,942	3,775
315	Leather gloves and mittens	96	4	37	178	77	3	34	185	3	33	2	58	141
316	Luggage	292	16	194	789	241	11	196	929	13	230	10	598	1,148
317	Handbags and personal leather goods	636	25	271	1,035	529	17	232	942	12	210	10	495	906
319	Leather goods, n.e.c	415	7	76	327	395	7	95	411	9	149	7	308	607

See footnotes at end of table.

No. 1256. Manufactures—Summary, by Industry Group: 1982, 1987, and 1991—Continued

[See headnote, page 743]

SIC [1] code	INDUSTRY GROUP	1982				1987				1991				
		Establishments (number)	All employees		Value of shipments (mil. dol.)	Establishments, (number)	All employees		Value of shipments (mil. dol.)	All employees		Production workers	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
32	**Stone, clay, and glass products**	**16,545**	**532**	**10,097**	**45,181**	**16,166**	**524**	**12,349**	**61,477**	**476**	**12,612**	**363**	**31,839**	**59,611**
321	Flat glass	69	15	414	1,666	81	15	507	2,549	13	486	11	1,254	2,104
322	Glass and glassware, pressed or blown	459	97	2,032	7,941	522	77	1,959	8,339	67	2,015	57	5,129	8,755
323	Products of purchased glass	1,337	41	696	2,977	1,432	51	1,060	5,429	52	1,243	41	3,312	6,155
324	Cement, hydraulic	237	25	636	3,542	215	19	599	4,335	16	560	12	1,937	3,778
325	Structural clay products	628	30	491	1,868	598	35	689	2,915	32	705	25	1,604	2,782
326	Pottery and related products	910	37	598	1,762	1,006	38	762	2,416	37	820	29	1,758	2,559
327	Concrete, gypsum, and plaster products	9,933	167	2,995	14,947	9,814	203	4,632	24,427	180	4,571	129	10,632	22,466
328	Cut stone and stone products	711	11	156	555	745	13	243	841	12	267	10	582	956
329	*Miscellaneous nonmetallic mineral products*	(NA)	(NA)	(NA)	(NA)	1,753	73	1,898	10,226	67	1,945	49	5,630	10,057
33	**Primary metal industries [3]**	**7,061**	**854**	**20,603**	**104,667**	**6,771**	**701**	**19,777**	**120,248**	**677**	**21,640**	**516**	**46,605**	**132,637**
331	Blast furnace and basic steel products	1,068	366	267	46,720	1,241	253	8,166	51,815	246	8,976	187	19,685	56,327
332	Iron and steel foundries	1,438	157	3,113	9,642	1,231	130	3,426	10,628	125	3,580	100	6,194	11,172
333	Primary nonferrous metals	161	44	1,307	11,321	169	32	996	10,869	35	1,310	27	3,593	13,838
334	Secondary nonferrous metals	458	19	402	4,852	397	13	312	4,431	13	388	10	815	5,041
335	Nonferrous rolling and drawing	1,022	167	3,636	25,463	1,066	163	4,298	33,262	150	4,602	111	10,956	36,318
336	Nonferrous foundries (castings)	(NA)	(NA)	(NA)	(NA)	1,687	80	1,805	6,315	75	1,673	60	3,454	6,693
34	**Fabricated metal products**	**35,560**	**1,460**	**28,283**	**119,444**	**36,105**	**1,458**	**35,000**	**147,366**	**1,359**	**36,827**	**995**	**76,670**	**157,077**
341	Metal cans and shipping containers	566	59	1,533	12,172	538	48	1,527	12,114	41	1,490	34	3,984	13,642
342	Cutlery, handtools, and hardware	2,238	141	2,585	10,082	2,327	145	3,389	13,481	132	3,420	99	8,156	14,353
343	Plumbing and heating, except electric	1,177	48	821	4,003	828	46	1,005	5,283	42	1,106	29	2,965	5,733
344	Fabricated structural metal products	12,681	422	7,897	34,904	12,579	407	9,042	40,416	379	9,643	269	19,313	42,549
345	Screw machine products, bolts, etc.	2,690	94	1,727	5,834	2,569	95	2,270	7,890	91	2,437	69	4,997	8,484
346	Metal forgings and stampings	4,019	236	5,110	20,057	4,062	255	7,235	28,410	232	7,251	182	12,729	27,927
347	Metal services, n.e.c	5,070	97	1,518	5,125	5,251	113	2,167	7,790	110	2,464	86	4,787	8,758
348	Ordnance and accessories, n.e.c	349	79	1,780	4,993	374	88	2,458	7,644	69	2,205	39	4,378	6,673
349	Miscellaneous fabricated metal products	6,770	284	5,312	22,274	7,577	262	5,906	24,340	264	6,814	188	15,361	28,959
35	**Industrial machinery and equipment**	**52,912**	**2,189**	**46,911**	**187,896**	**52,135**	**1,844**	**50,553**	**217,670**	**1,774**	**54,983**	**1,101**	**124,235**	**243,479**
351	Engines and turbines	341	112	2,850	13,040	356	87	2,906	14,570	78	2,871	52	7,560	16,608
352	Farm and garden machinery	2,078	114	2,386	13,018	1,804	82	1,917	11,474	90	2,305	64	7,133	15,166
353	Construction and related machinery	3,952	326	7,332	32,038	3,467	188	5,272	24,622	190	5,819	118	12,531	27,727
354	Metalworking machinery	(NA)	(NA)	(NA)	(NA)	11,470	268	7,301	22,004	266	8,192	186	15,515	25,456
355	Special industry machinery	(NA)	(NA)	(NA)	(NA)	4,550	169	4,588	17,096	164	5,377	92	10,876	20,687
356	General industrial machinery	(NA)	(NA)	(NA)	(NA)	3,929	240	6,203	24,121	255	7,527	161	16,832	30,809
357	Computer and office equipment	(NA)	(NA)	(NA)	(NA)	2,134	328	10,668	60,627	265	10,082	90	27,419	58,755
358	Refrigeration and service machinery	1,937	172	3,344	16,450	2,129	190	4,752	23,235	174	4,832	121	11,750	25,064
359	Industrial machinery, n.e.c.	(NA)	(NA)	(NA)	(NA)	22,296	292	6,946	19,921	292	7,977	217	14,621	23,207

SIC [1] code	INDUSTRY GROUP	1982				1987				1991				
		Establishments (number)	All employees		Value of shipments (mil. dol.)	Establishments, (number)	All employees		Value of shipments (mil. dol.)	All employees		Production workers	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
36	**Electronics; other electric equip.**	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**15,962**	**1,565**	**38,738**	**171,286**	**1,427**	**41,611**	**896**	**106,669**	**197,880**
361	Electric distribution equipment	(NA)	(NA)	(NA)	(NA)	766	77	1,791	8,197	70	1,873	49	4,939	9,276
362	Electrical industrial apparatus	(NA)	(NA)	(NA)	(NA)	2,213	166	3,882	15,266	153	4,166	102	9,824	17,754
363	Household appliances	(NA)	(NA)	(NA)	(NA)	480	117	2,642	16,498	104	2,497	84	7,413	17,692
364	Electric lighting and wiring equipment	1,993	159	2,718	12,048	1,986	167	3,732	18,004	144	3,677	105	10,161	18,131
365	Household audio and video equipment	(NA)	(NA)	(NA)	(NA)	854	44	850	7,833	45	1,027	32	3,370	9,823
366	Communications equipment	(NA)	(NA)	(NA)	(NA)	1,437	260	7,537	34,001	238	8,394	109	21,286	37,946
367	Electronic components and accessories	(NA)	(NA)	(NA)	(NA)	5,911	546	13,623	50,258	519	15,477	314	38,650	65,233
369	Misc. electrical equipment and supplies	(NA)	(NA)	(NA)	(NA)	2,315	188	4,682	21,230	154	4,500	101	11,026	22,025
37	**Transportation equipment**	**9,443**	**1,596**	**40,812**	**201,346**	**10,500**	**1,817**	**58,790**	**332,936**	**1,634**	**60,079**	**1,056**	**151,979**	**364,032**
371	Motor vehicles and equipment	3,867	616	15,393	112,270	4,422	751	23,910	205,923	653	23,883	519	73,333	206,101
372	Aircraft and parts	1,471	539	14,718	52,027	1,618	596	20,590	77,304	568	21,886	300	49,046	102,381
373	Ship and boat building and repairing	2,566	205	4,326	13,326	2,766	177	4,266	13,857	162	4,504	122	7,959	14,524
374	Railroad equipment	200	35	790	3,457	173	22	631	2,471	26	820	19	1,690	4,450
375	Motorcycles, bicycles, and parts	273	13	225	1,341	246	7	158	1,063	11	277	9	741	1,914
376	Guided missiles, space vehicles, parts	105	146	4,481	14,398	156	214	8,114	26,285	178	7,750	62	17,103	28,965
379	Miscellaneous transportation equipment	961	43	879	4,528	1,119	49	1,122	6,033	36	959	25	2107	5,698
38	**Instruments and related products**	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**10,326**	**982**	**28,778**	**107,325**	**901**	**31,797**	**452**	**82,536**	**127,160**
381	Search and navigation equipment	(NA)	(NA)	(NA)	(NA)	1,137	369	12,368	36,267	280	11,631	112	23,672	36,213
382	Measuring and controlling devices	(NA)	(NA)	(NA)	(NA)	4,240	285	7,807	26,042	268	9,070	133	20,096	32,263
384	Medical instruments and supplies	2,973	189	3,559	15,133	3,443	204	5,027	22,865	241	7,218	143	21,873	33,596
385	Ophthalmic goods	410	26	409	1,273	494	24	475	1,689	26	627	17	1,645	2,313
386	Photographic equipment and supplies	795	119	3,193	17,038	791	88	2,878	19,241	78	3,044	40	14,603	21,398
387	Watches, clocks, watchcases and parts	237	17	248	1,188	221	12	223	1,221	8	207	6	646	1,377
39	**Misc. manufacturing industries**	**15,871**	**383**	**5,647**	**26,891**	**16,544**	**374**	**6,884**	**32,012**	**363**	**7,750**	**260**	**19,999**	**37,131**
391	Jewelry, silverware, and plated ware	2,882	50	770	4,379	2,978	50	941	5,554	46	982	32	2,458	5,275
393	Musical instruments	452	18	258	916	425	12	218	814	12	238	9	536	881
394	Toys and sporting goods	2,570	99	1,389	8,256	2,711	89	1,512	8,798	93	1,923	69	6,088	11,343
395	Pens, pencils, office, and art supplies	1,026	32	485	2,372	1,013	29	540	2,536	30	625	21	1,788	3,306
396	Costume jewelry and notions	(NA)	(NA)	(NA)	(NA)	1,020	32	498	2,062	26	527	19	1,286	2,203
399	Miscellaneous manufactures	(NA)	(NA)	(NA)	(NA)	8,397	163	3,174	12,248	157	3,454	111	7,843	14,124
(X)	Administrative and auxiliary [4]	9,676	1,276	38,220	-	9,480	1,234	47,202	-	1,269	61,979	-	-	-

- Represents zero. NA Not available. X Not applicable. [1] Standard Industrial Classification Code; see text, section 27. [2] *All employees* represents the average of *production workers* plus all other employees for the payroll period ending nearest the 15th of March. [3] Includes other industries, not shown separately. [4] Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishment of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1987*, and *Annual Survey of Manufactures*.

No. 1257. Manufactures—Summary, by Industry Group; Selected Based on Value Added: 1982, 1987, and 1991

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of Management and Budget; see text, section 27. N.e.c.=Not elsewhere classified. *Historical Statistics, Colonial Times to 1970*, series P-58-67]

SIC [1] code	INDUSTRY GROUP	1982				1987				1991				
		Establishments (number)	All employees		Value of shipments (mil. dol.)	Establishments (number)	All employees		Value of shipments (mil. dol.)	All employees		Production workers	Value added by manufacture (mil. dol.)	Value of shipments (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
2011	Meat packing plants	1,780	134.4	2,549	44,854	1,434	113.2	2,141	44,991	120.8	2,375	103.3	5,958	49,326
2013	Sausages and other prepared meats	1,311	65.5	1,206	12,278	1,344	79.1	1,619	16,623	79.6	1,833	59.0	5,046	18,361
2015	Poultry slaughtering and processing	532	117.7	1,237	10,471	463	147.7	1,919	14,912	189.6	2,817	168.0	6,473	21,703
2026	Fluid milk	1,190	78.2	1,469	18,736	946	72.4	1,681	20,591	65.5	1,840	32.3	5,656	21,137
2033	Canned fruits and vegetables	715	70.5	1,040	9,283	647	65.6	1,163	11,890	67.3	1,484	57.2	6,859	15,579
2038	Frozen specialties, n.e.c.	(NA)	(NA)	(NA)	(NA)	288	37.5	669.1	5624.8	44.9	876	36.7	4,230	8,428
2043	Cereal breakfast foods	52	15.6	435	4,132	53	16.0	599	6,566	15.7	707	12.7	6,581	8,954
2051	Bread, cake, and related products	2,305	170.7	3,254	13,143	2,357	161.6	3,556	16,202	150.2	3,834	83.0	10,801	17,279
2052	Cookies and crackers	358	45.6	797	4,665	380	45.4	1,010	6,309	49.3	1,247	36.2	4,991	8,022
2064	Candy and other confectionery products	(NA)	(NA)	(NA)	(NA)	685	45.8	900	6,980	49.1	1,121	39.3	4,999	8,746
2082	Malt beverages	109	43.0	1,308	11,183	134	31.9	1,355	13,619	32.4	1,446	23.5	9,037	15,925
2086	Bottled and canned soft drinks	1,626	113.8	2,146	16,808	1,190	95.6	2,277	22,006	81.7	2,210	31.9	9,555	25,191
2087	Flavoring extracts and syrups, n.e.c.	(NA)	11.6	237	4,237	280	9.1	258	4,665	8.1	275	4.6	4,123	5,642
2099	Food preparations, n.e.c.	(NA)	(NA)	(NA)	(NA)	1,658	57.9	1,110	9,787	54.7	1,193	37.5	5,666	11,322
2111	Cigarettes	14	41.5	1,094	12,127	12	32.0	1,234	17,372	26.9	1,224	19.5	22,210	27,111
2411	Logging	11,658	80.8	1,208	8,274	11,936	85.7	1,516	10,880	78.1	1,561	65.4	4,097	11,434
2421	Sawmills and planing mills, general	6,316	131.9	2,020	10,065	5,742	148.2	2,817	17,357	129.5	2,747	116.1	5,866	17,485
2511	Wood household furniture	2,607	125.6	1,403	5,057	2,948	135.8	2,017	7,980	121.4	2,005	103.8	4,169	7,980
2621	Paper mills	299	129.0	3,431	20,995	282	129.1	4,597	28,916	130.3	5,224	99.4	15,510	33,344
2631	Paperboard mills	222	55.6	1,502	9,531	205	52.3	1,859	13,730	50.6	2,027	39.0	7,257	15,013
2653	Corrugated and solid fiber boxes	1,492	94.4	1,862	10,558	1,601	105.8	2,610	16,107	108.7	3,047	79.4	6,064	18,026
2676	Sanitary paper products	138	36.7	863	9,086	133	38.4	1,155	11,698	38.8	1,343	31.1	8,747	15,594
2711	Newspapers	8,846	401.5	6,555	21,276	9,091	434.6	9,025	31,849	428.4	10,309	145.1	26,093	33,702
2721	Periodicals	3,328	94.0	1,986	11,478	4,020	110.0	2,983	17,329	110.6	3,661	20.7	13,794	20,345
2731	Book publishing	2,130	67.1	1,327	7,740	2,298	70.1	1,860	12,620	77.3	2,514	17.1	11,683	16,596
2741	Miscellaneous publishing	2,057	45.3	706	2,871	2,369	69.4	1,513	7,810	65.0	1,780	22.6	7,354	9,762
2752	Commercial printing, lithographic	17,842	311.9	5,746	19,442	24,980	403.0	9,132	32,698	400.1	10,387	290.8	20,952	37,719
2759	Commercial printing, n.e.c.	(NA)	(NA)	(NA)	(NA)	10,796	126.2	2,490	8,973	133.8	3,055	92.1	6,270	10,723
2761	Manifold business forms	810	49.5	934	5,059	853	53.2	1,276	7,359	46.3	1,269	32.2	3,840	7,234
2819	Industrial inorganic chemicals, n.e.c.	645	81.7	2,134	12,060	662	72.2	2,425	13,212	78.9	3,157	41.0	10,612	17,649
2821	Plastics materials and resins	440	54.7	1,434	15,769	480	56.3	2,006	26,246	60.5	2,480	36.7	11,012	29,566
2824	Organic fibers, noncellulosic	70	60.2	1,382	8,263	72	45.7	1,347	10,112	46.9	1,569	35.0	6,119	11,084
2834	Pharmaceutical preparations	663	124.4	3,053	18,998	732	131.6	4,168	32,094	129.1	5,012	59.2	34,978	47,376
2841	Soap and other detergents	723	35.4	827	9,167	764	31.7	956	11,559	36.6	1,221	23.1	8,165	15,233
2842	Polishes and sanitation goods	(NA)	23.0	444	4614	726	20.6	500	5,594	19.6	573	12.2	3,895	6,172
2844	Toilet preparations	639	60.4	1,102	10,183	694	58.5	1,353	14,593	57.4	1,616	35.6	12,047	17,085
2851	Paints and allied products	1,441	54.1	1,158	9,162	1,426	55.2	1,491	12,701	51.1	1,568	25.2	6,784	14,255
2869	Industrial organic chemicals, n.e.c.	(NA)	(NA)	(NA)	(NA)	699	100.3	3,696	42,189	101.0	4,403	58.4	22,248	53,069
2879	Agricultural chemicals, n.e.c.	330	16.5	404	5,436	277	16.1	518	6,300	16.4	620	9.1	4,951	8,346
2899	Chemical preparations, n.e.c.	1,443	39.7	837	6,344	1,529	37.9	1,021	8,024	39.4	1,202	22.5	4,765	9,176

SIC [1] code	INDUSTRY GROUP	1982 Establishments (number)	1982 All employees Number [2] (1,000)	1982 All employees Payroll (mil. dol.)	1982 Value of shipments (mil. dol.)	1987 Establishments (number)	1987 All employees Number (1,000)	1987 All employees Payroll (mil. dol.)	1987 Value of shipments (mil. dol.)	1991 All employees Number (1,000)	1991 All employees Payroll (mil. dol.)	1991 Production workers	1991 Value added by manufacture (mil. dol.)	1991 Value of shipments (mil. dol.)
2911	Petroleum refining	(NA)	(NA)	(NA)	(NA)	309	74.6	2,846	118,216	73.9	3,448	47.6	19,796	145,392
3011	Tires and inner tubes	164	70.3	1,734	9,340	163	65.4	2,070	10,427	65.5	2,286	52.4	6,654	11,883
3081	Unsupported plastics film and sheet	(NA)	(NA)	(NA)	(NA)	594	48.4	1,256	8,140	50.5	1,489	36.0	4,246	9,169
3089	Plastics products, n.e.c.	(NA)	(NA)	(NA)	(NA)	8,571	384.7	7,286	33,774	388.9	8,540	301.9	20,121	39,188
3273	Ready-mixed concrete	5,379	81.4	1,475	8,163	5,321	96.9	2,289	12,975	86.1	2,243	62.8	5,170	11,681
3312	Blast furnaces and steel mills	301	295.8	8,678	36,824	342	188.9	6,451	38,663	177.3	6,940	135.3	14,568	40,775
3357	Nonferrous wiredrawing and insulating	440	67.6	1,270	8,217	487	64.9	1,504	10,827	57.1	1,575	41.9	4,313	11,686
3429	Hardware, n.e.c.	1,185	80.1	1,521	5,741	1,240	85.6	2,056	8,175	73.8	1,938	56.2	4,278	8,223
3441	Fabricated structural metal	2,740	103.6	1,990	8,853	2,454	80.9	1,881	8,667	77.0	2,064	54.2	3,900	9,079
3443	Fabricated plate work (boiler shops)	1,929	102.9	2,180	8,225	1,740	74.6	1,842	6,795	73.5	2,127	51.2	4,396	8,684
3444	Sheet metal work	3,795	81.1	1,495	6,854	4,297	100.3	2,237	9,700	94.9	2,411	70.7	4,753	9,961
3465	Automotive stampings	668	90.5	2,293	8,777	713	119.8	3,977	15,252	99.3	3,681	82.1	5,663	13,404
3469	Metal stampings, n.e.c.	2,843	100.4	1,783	6,438	2,815	95.5	2,132	8,331	95.0	2,400	71.9	4,811	9,338
3519	Internal combustion engines, n.e.c.	253	79.6	1,979	9,363	278	64.0	2,043	11,123	56.3	1,909	38.9	4,677	11,516
3523	Farm machinery and equipment	1,903	96.1	2,067	10,743	1,634	57.0	1,416	6,880	65.1	1,787	45.4	5,268	10,347
3531	Construction machinery	939	115.5	2,653	11,658	955	81.2	2,429	12,773	81.0	2,563	52.8	5,509	13,351
3544	Special dies, tools, jigs, and fixtures	7,255	1.0	2,293	5,375	7,317	114.4	3,164	7,550	114.0	3,659	87.5	6,281	8,890
3559	Special industry machinery, n.e.c.	(NA)	(NA)	(NA)	(NA)	2,531	83.3	2,286	8,275	83.0	2,778	45.7	5,657	10,543
3571	Electronic computers	(NA)	(NA)	(NA)	(NA)	974	151.9	4,953	33,627	126.0	5,344	38.1	16,878	35,573
3585	Refrigeration and heating equipment	865	120.5	2,393	12,390	892	133.3	3,355	17,027	119.0	3,377	87.1	8,186	18,224
3599	Industrial machinery, n.e.c.	(NA)	(NA)	(NA)	(NA)	21,545	228.4	5,119	13,692	233.0	6,227	178.7	11,205	16,925
3621	Motors and generators	472	84.2	1,546	6,060	462	74.6	1,664	6,753	69.7	1,742	51.9	4,037	7,674
3625	Relays and industrial controls	(NA)	(NA)	(NA)	(NA)	1,168	66.6	1,631	6,101	61.2	1,799	35.3	4,289	7,379
3661	Telephone and telegraph apparatus	(NA)	(NA)	(NA)	(NA)	469	112.3	3,178	17,583	94.1	3,468	46.9	9,503	17,425
3663	Radio and television communications equip.	(NA)	(NA)	(NA)	(NA)	655	126.0	3,776	14,229	123.4	4,395	53.7	10,339	18,165
3674	Semiconductors and related devices	766	166.5	3,785	12,430	853	184.6	5,495	19,795	175.0	6,491	86.2	20,152	29,668
3679	Electronic components, n.e.c.	(NA)	(NA)	(NA)	(NA)	2,900	162.6	3,891	15,439	165.4	4,531	101.6	9,513	19,450
3711	Motor vehicles and car bodies	355	240.1	6,822	70,740	413	284.4	10,376	133,346	218.1	9,803	178.5	45,147	133,861
3714	Motor vehicle parts and accessories	2,420	321.4	7,614	36,293	2,807	389.1	11,947	62,007	369.9	12,587	290.5	25,213	63,604
3721	Aircraft	165	275.1	7,744	28,024	155	268.2	9,680	39,093	258.3	10,324	125.3	23,091	58,090
3724	Aircraft engines and engine parts	340	130.7	3,544	13,809	453	139.6	4,814	20,262	122.3	4,822	67.3	12,278	22,746
3728	Aircraft parts and equipment, n.e.c.	966	132.8	3,429	10,193	1,013	187.7	6,088	17,923	187.3	6,740	107.5	13,678	21,544
3731	Ship building and repairing	689	166.7	3,738	10,967	590	120.2	3,218	8,504	120.8	3,680	90.1	6,354	10,849
3761	Guided missiles and space vehicles	29	99.6	3,159	10,219	40	166.7	6,415	21,566	135.8	6,026	45.0	13,551	23,399
3812	Search and navigation equipment	(NA)	(NA)	(NA)	(NA)	1,084	369.4	12,373	36,267	279.8	11,631	112.3	23,672	36,213
3825	Instruments to measure electricity	749	89.7	1,888	6,094	930	85.2	2,477	7,703	69.3	2,497	34.0	5,456	8,240
3841	Surgical and medical instruments	859	56.9	1,000	4,085	1,136	73.1	1,786	7,780	87.7	2,591	53.1	7,432	10,710
3842	Surgical appliances and supplies	1,367	68.8	1,211	5,667	1,500	78.5	1,786	8,533	93.3	2,510	60.6	8,044	12,555
3861	Photographic equipment and supplies	795	119.3	3,193	17,038	787	88.0	2,878	19,241	78.0	3,044	40.0	14,603	21,398

NA Not available. [1] Standard Industrial Classification Code, see text, section 27. [2] *All employees* represents the average of production workers plus all other employees for the payroll period ended nearest the 15th of the month.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1987*, and *Annual Survey of Manufactures*.

No. 1258. Manufactures Summary,

[Sum of State totals may not add to U.S. total

	DIVISION AND STATE	1982				1987				
		Establishments, total [1]	All employees [2]		Value of shipments [3] (mil. dol.)	Establishments, total [1]	All employees [2]		Value added by manufacture [4] (mil. dol.)	Value of shipments [3] (mil. dol.)
			Number (1,000)	Payroll (mil. dol.)			Number	Payroll (mil. dol.)		
1	**U.S.**	**358,061**	**19,094**	**379,627**	**1,960,206**	**368,897**	**18,950**	**475,651**	**1,165,917**	**2,475,902**
2	**Northeast**	**91,102**	**4,798**	**95,919**	**400,767**	**88,287**	**4,357**	**112,222**	**259,074**	**483,748**
3	**N.E.**	**25,659**	**1,445**	**27,603**	**105,938**	**26,393**	**1,350**	**34,455**	**78,908**	**136,989**
4	ME	2,009	110	1,775	8,649	2,172	102	2,192	5,271	10,662
5	NH	1,981	107	1,792	7,636	2,328	108	2,509	8,189	12,214
6	VT	1,104	47	863	3,730	1,262	49	1,140	2,543	4,753
7	MA	11,017	643	12,353	48,204	11,006	591	15,211	35,770	62,794
8	RI	2,855	114	1,760	7,652	2,878	112	2,292	4,788	9,166
9	CT	6,693	424	9,060	30,067	6,747	389	11,111	22,349	37,400
10	**M.A.**	**65,443**	**3,353**	**68,316**	**294,829**	**61,894**	**3,007**	**77,767**	**180,165**	**346,759**
11	NY	32,651	1,419	29,156	121,469	29,608	1,279	33,916	80,033	145,657
12	NJ	15,126	754	15,845	70,420	14,442	691	18,550	42,527	82,451
13	PA	17,666	1,180	23,315	102,940	17,844	1,038	25,302	57,605	118,651
14	**Midwest**	**91,318**	**5,609**	**117,830**	**596,245**	**94,269**	**5,508**	**148,994**	**351,139**	**787,123**
15	**E.N.C.**	**67,378**	**4,337**	**92,400**	**440,702**	**69,756**	**4,186**	**116,148**	**266,248**	**590,487**
16	OH	16,960	1,102	24,740	112,278	17,544	1,100	30,765	71,707	158,560
17	IN	7,960	585	12,559	63,332	8,641	602	15,757	39,279	83,788
18	IL	18,618	1,069	22,681	112,929	18,404	990	26,235	63,350	132,204
19	MI	15,158	884	22,223	99,715	16,010	980	30,628	60,259	146,339
20	WI	8,682	497	10,197	52,448	9,157	514	12,763	31,653	69,596
21	**W.N.C.**	**23,940**	**1,272**	**25,430**	**155,543**	**24,513**	**1,322**	**32,846**	**84,891**	**196,637**
22	MN	6,775	350	7,423	35,321	7,112	374	10,142	23,152	47,604
23	IA	3,598	213	4,403	31,397	3,569	206	4,971	14,469	35,409
24	MO	7,069	406	8,013	41,459	7,290	419	10,390	25,917	59,889
25	ND	587	15	246	2,465	627	15	310	979	2,574
26	SD	748	25	398	3,005	764	28	498	1,476	3,859
27	NE	1,928	92	1,624	15,143	1,876	91	1,938	5,819	16,076
28	KS	3,235	171	3,323	26,753	3,275	189	4,597	12,909	31,056
29	**South**	**99,304**	**5,819**	**101,293**	**647,918**	**104,500**	**5,839**	**128,278**	**354,380**	**800,875**
30	**S.A.**	**48,855**	**2,930**	**48,588**	**256,625**	**53,478**	**3,104**	**66,893**	**179,075**	**373,181**
31	DE	632	68	1,743	8,383	673	67	2,091	3,866	10,730
32	MD	3,883	234	4,859	21,282	4,244	230	5,956	14,020	28,009
33	DC	514	17	394	1,537	486	17	494	1,525	2,128
34	VA	5,568	391	6,649	36,803	6,137	429	9,740	26,857	51,902
35	WV	1,662	96	2,007	9,869	1,619	84	2,108	5,404	11,561
36	NC	10,133	799	11,717	64,176	10,995	842	16,293	47,007	95,317
37	SC	4,206	368	5,540	27,836	4,534	366	7,324	19,112	41,212
38	GA	8,534	503	7,906	48,056	9,187	570	11,933	33,708	75,709
39	FL	13,723	454	7,773	38,683	15,603	499	10,954	27,574	56,613
40	**E.S.C.**	**18,573**	**1,241**	**20,132**	**119,698**	**19,718**	**1,303**	**26,524**	**74,296**	**164,862**
41	KY	3,502	247	4,639	29,639	3,693	252	5,865	18,092	41,827
42	TN	6,417	462	7,378	40,777	6,864	485	9,869	27,050	57,753
43	AL	5,528	330	5,234	29,794	5,843	347	6,963	18,652	40,901
44	MS	3,126	202	2,881	19,488	3,318	219	3,827	10,503	24,381
45	**W.S.C.**	**31,876**	**1,648**	**32,573**	**271,595**	**31,304**	**1,432**	**34,861**	**101,009**	**262,832**
46	AR	3,313	190	2,824	19,747	3,390	206	3,815	10,827	25,308
47	LA	4,107	202	4,304	57,058	3,816	161	4,176	16,426	50,700
48	OK	4,168	197	4,010	23,116	3,728	151	3,629	9,857	24,074
49	TX	20,288	1,059	21,435	171,674	20,370	914	23,241	63,899	162,751
50	**West**	**76,337**	**3,074**	**64,587**	**315,277**	**81,841**	**3,246**	**86,158**	**201,325**	**404,325**
51	**Mt**	**14,854**	**556**	**10,863**	**56,997**	**16,479**	**596**	**14,689**	**35,822**	**73,554**
52	MT	1,090	20	379	3,668	1,239	20	426	1,112	3,498
53	ID	1,404	48	865	5,370	1,491	53	1,149	3,057	7,005
54	WY	511	10	183	2,558	500	8	180	493	2,074
55	CO	4,406	192	3,983	17,963	4,718	184	4,958	12,046	23,236
56	NM	1,223	33	521	3,815	1,322	35	713	1,653	4,226
57	AZ	3,407	150	3,037	12,907	4,151	184	4,669	11,299	20,758
58	UT	1,962	83	1,539	8,960	2,083	89	2,073	4,883	10,287
59	NV	851	20	356	1,756	975	24	521	1,279	2,470
60	**Pac**	**61,483**	**2,518**	**53,724**	**258,280**	**65,362**	**2,650**	**71,469**	**165,503**	**330,771**
61	WA	6,788	291	6,681	34,665	7,630	310	8,842	19,016	46,532
62	OR	5,659	185	3,783	17,897	6,353	203	4,767	11,610	25,352
63	CA	47,625	2,005	42,630	199,695	49,930	2,104	57,148	132,638	252,729
64	AK	445	13	270	2,580	427	11	272	834	2,711
65	HI	966	24	360	3,443	1,022	22	440	1,405	3,448

[1] Includes central administrative offices and auxiliary units. [2] Includes employment and payroll at administrative offices and auxiliary units. **All employees** represents the average of production workers plus all other employees for the payroll period ended nearest the 12th of March. Production workers represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

by State: 1982 to 1991

because U.S. and State figures were independently derived]

1990			1991				
All employees [2]		Value of shipments [3] (mil. dol.)	All employees [2]		Value added by manufacture [4] (mil. dol.)	Value of shipments [3] (mil. dol.)	
Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			
18,840	**532,317**	**2,873,502**	**18,062**	**529,019**	**1,313,829**	**2,826,207**	**1**
4,002	**119,838**	**519,990**	**3,719**	**118,054**	**268,581**	**506,762**	**2**
1,215	**36,515**	**141,252**	**1,112**	**36,149**	**77,682**	**138,645**	**3**
103	2,499	12,477	98	2,451	5,428	11,642	4
92	2,554	9,727	86	2,542	5,647	9,771	5
44	1,236	5,592	43	1,231	3,163	5,786	6
529	16,321	63,796	490	15,843	34,472	61,859	7
101	2,364	9,761	95	2,305	5,140	9,577	8
345	11,541	39,898	339	11,777	23,832	40,010	9
2,787	**83,323**	**378,738**	**2,607**	**81,905**	**190,899**	**368,117**	**10**
1,150	35,145	154,714	1,054	33,831	81,625	148,403	11
627	20,353	87,498	591	20,371	44,332	85,692	12
1,010	27,826	136,526	962	27,703	64,942	134,022	13
5,553	**166,888**	**902,270**	**5,352**	**164,581**	**393,332**	**877,220**	**14**
4,169	**129,372**	**669,480**	**4,006**	**127,183**	**292,462**	**647,237**	**15**
1,085	33,318	177,787	1,045	33,091	78,876	174,928	16
616	18,920	98,619	594	17,755	43,805	97,282	17
1,008	30,515	156,675	976	30,659	70,104	151,925	18
913	31,699	153,386	858	30,757	63,351	143,103	19
548	14,920	83,013	533	14,921	36,328	79,999	20
1,384	**37,516**	**232,790**	**1,346**	**37,398**	**100,860**	**229,983**	**21**
395	11,790	55,244	386	11,744	25,042	53,303	22
230	6,012	45,927	224	5,967	19,062	44,996	23
423	11,557	67,355	401	11,238	31,803	66,415	24
16	351	3,013	17	385	1,152	3,056	25
30	564	4,533	30	597	1,691	4,508	26
99	2,296	20,370	101	2,337	7,537	21,010	27
191	4,946	36,349	187	5,130	14,573	36,695	28
5,942	**146,361**	**962,574**	**5,788**	**148,255**	**422,967**	**955,032**	**29**
3,058	**74,584**	**427,439**	**2,935**	**74,642**	**208,337**	**425,451**	**30**
66	2,486	12,901	62	2,434	4,231	11,934	31
212	6,357	30,679	201	6,271	15,242	29,583	32
14	541	2,152	13	555	1,573	2,057	33
423	10,683	61,042	408	10,680	33,245	61,642	34
82	2,262	12,938	78	2,221	6,009	12,474	35
832	18,315	116,245	802	18,813	59,915	118,206	36
368	8,348	46,734	353	8,349	22,491	47,515	37
564	13,210	83,997	545	13,118	36,576	82,765	38
498	12,382	60,750	473	12,201	29,055	59,275	39
1,384	**31,141**	**200,241**	**1,366**	**31,774**	**90,149**	**202,695**	**40**
279	7,013	53,777	273	7,001	23,714	53,500	41
504	11,407	67,404	493	11,711	32,499	69,549	42
368	8,194	48,748	363	8,287	21,056	48,449	43
233	4,527	30,313	237	4,775	12,880	31,197	44
1,500	**40,636**	**334,894**	**1,487**	**41,839**	**124,481**	**326,886**	**45**
219	4,359	30,493	220	4,471	12,826	31,084	46
171	4,812	65,807	175	5,005	22,126	63,382	47
168	4,482	28,010	169	4,637	11,959	28,418	48
943	26,983	210,584	923	27,726	77,570	204,002	49
3,343	**99,230**	**488,669**	**3,167**	**98,133**	**229,029**	**487,195**	**50**
619	**17,039**	**88,989**	**610**	**17,311**	**43,251**	**91,468**	**51**
20	450	4,040	20	479	1,093	3,767	52
61	1,508	9,184	61	1,607	3,895	9,810	53
10	248	2,756	10	251	925	2,733	54
180	5,528	27,701	176	5,647	13,704	26,825	55
40	862	5,548	41	927	3,931	8,037	56
181	5,321	22,886	174	5,171	11,551	22,983	57
102	2,494	13,950	102	2,592	6,689	14,492	58
26	628	2,925	26	637	1,463	2,821	59
2,724	**82,192**	**399,680**	**2,557**	**80,822**	**185,778**	**395,727**	**60**
367	11,344	67,538	354	11,801	24,852	67,978	61
216	5,657	31,073	208	5,644	13,344	30,692	62
2,106	64,352	293,190	1,962	62,521	144,908	289,613	63
14	362	3,676	14	390	1,291	3,639	64
21	477	4,203	19	466	1,383	3,805	65

[3] For definition, see footnote 6, table 1255. [4] See footnote 7, table 1255.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982* and *1987* and *Annual Survey of Manufactures.*

No. 1259. Average Hourly Earnings of Production Workers in Manufacturing Industries, by State: 1980 to 1992

[In dollars]

REGION, DIVISION, AND STATE	1980	1985	1986	1987	1988	1989	1990	1991	1992
U.S.	**7.27**	**9.54**	**9.73**	**9.91**	**10.19**	**10.48**	**10.83**	**11.18**	**11.45**
Northeast:									
New England:									
ME	6.00	8.40	8.65	8.77	9.31	9.92	10.59	11.08	11.40
NH	5.87	8.39	8.77	9.29	9.97	10.37	10.83	10.84	11.22
VT	6.14	8.41	8.83	9.12	9.47	9.99	10.52	11.00	11.52
MA	6.51	9.00	9.24	9.77	10.40	10.87	11.39	11.81	12.15
RI	5.59	7.59	7.90	8.20	8.64	9.06	9.45	9.73	9.92
CT	7.08	9.57	10.07	10.46	10.78	11.21	11.53	11.99	12.47
Middle Atlantic:									
NY	7.18	9.67	9.92	10.09	10.43	10.67	11.11	11.43	11.72
NJ	7.31	9.86	10.12	10.40	10.86	11.17	11.76	12.17	12.59
PA	7.59	9.57	9.74	9.98	10.33	10.66	11.04	11.46	11.86
Midwest:									
East North Central:									
OH	8.57	11.38	11.56	11.73	12.00	12.26	12.64	13.12	13.53
IN	8.49	(NA)	10.81	(NA)	(NA)	11.70	12.03	12.43	12.82
IL	8.02	10.37	10.67	10.85	10.98	11.21	11.44	11.68	11.85
MI	9.52	12.64	12.80	12.97	13.31	13.51	13.86	14.52	14.81
WI	8.03	10.26	10.35	10.55	10.61	10.77	11.11	11.47	11.86
West North Central:									
MN	7.61	10.05	10.20	10.37	10.59	10.95	11.23	11.52	11.92
IA	8.67	10.32	10.35	10.62	10.56	10.82	11.27	11.62	11.93
MO	7.26	9.57	9.83	10.00	10.24	10.49	10.74	10.86	11.23
ND	6.56	8.05	8.19	8.43	8.36	8.80	9.27	9.25	9.61
SD	6.50	7.43	7.75	7.92	8.09	8.30	8.48	8.79	8.84
NE	7.38	9.02	9.26	9.33	9.38	9.53	9.66	9.84	10.22
KS	7.37	9.45	9.76	9.97	10.24	10.68	10.94	11.24	11.61
South:									
South Atlantic:									
DE	7.58	9.86	10.05	10.67	11.49	12.36	12.39	12.20	12.34
MD	7.61	9.73	9.91	10.11	10.71	11.19	11.57	11.92	12.50
DC	8.46	10.48	10.40	10.73	11.10	11.79	12.51	13.05	13.94
VA	6.22	8.51	8.83	9.14	9.37	9.69	10.07	10.43	10.71
WV	8.08	10.24	10.38	10.55	10.81	11.17	11.53	11.77	12.12
NC	5.37	7.29	7.54	7.84	8.12	8.42	8.79	9.19	9.50
SC	5.59	7.61	7.92	8.10	8.30	8.54	8.84	9.17	9.48
GA	5.77	8.10	8.35	8.49	8.65	8.87	9.17	9.56	9.86
FL	5.98	7.86	8.02	8.16	8.39	8.67	8.98	9.30	9.61
East South Central:									
KY	7.34	9.53	9.86	10.02	10.16	10.37	10.70	11.00	11.28
TN	6.08	8.29	8.58	8.78	8.96	9.22	9.55	9.92	10.12
AL	6.49	8.48	8.64	8.76	8.95	9.10	9.39	9.72	10.00
MS	5.44	7.22	7.46	7.59	7.83	8.03	8.37	8.67	8.90
West South Central:									
AR	5.71	7.57	7.76	7.88	8.07	8.26	8.51	8.81	9.05
LA	7.74	10.43	10.60	10.90	10.94	11.13	11.61	11.86	12.21
OK	7.36	9.86	9.80	10.14	10.35	10.48	10.73	11.09	11.39
TX	7.15	9.41	9.65	9.85	9.97	10.25	10.47	10.84	10.92
West:									
Mountain:									
MT	8.78	10.95	10.94	10.61	10.68	11.15	11.51	11.57	12.21
ID	7.55	9.41	9.66	9.75	10.00	10.21	10.60	11.11	11.42
WY	7.01	9.64	9.68	9.75	10.27	10.58	10.83	10.98	11.08
CO	7.63	9.52	9.82	10.05	10.38	10.44	10.94	11.33	11.31
NM	5.79	8.41	8.75	8.74	8.87	8.74	9.04	9.40	9.70
AZ	7.29	9.48	9.88	9.97	9.85	9.92	10.21	10.70	10.98
UT	7.02	9.64	9.98	9.96	10.11	10.14	10.32	10.77	11.09
NV	7.72	9.15	9.36	9.76	10.08	10.33	11.05	11.04	11.55
Pacific:									
WA	(NA)	11.63	11.65	11.73	11.90	12.12	12.61	13.13	13.58
OR	8.65	10.50	10.57	10.56	10.60	10.81	11.15	11.53	11.98
CA	7.70	10.12	10.36	10.75	10.80	11.16	11.48	11.87	12.19
AK	10.22	12.19	11.62	11.79	11.98	12.01	12.46	11.40	10.75
HI	6.83	8.65	8.86	9.30	9.84	10.37	10.99	11.39	11.61

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 1260. Industrial Production Indexes, by Industry: 1970 to 1992

[**1987 = 100.** Based on 1977 *Standard Industrial Classification Manual;* see text, section 6. See also *Historical Statistics, Colonial Times to 1970,* series P 13 and P 18-39]

SIC [1] code	MAJOR INDUSTRY GROUP	1970	1975	1980	1984	1985	1986	1988	1989	1990	1991	1992
(X)	**Industrial production**	**61.4**	**66.3**	**84.1**	**92.8**	**94.4**	**95.3**	**105.4**	**108.1**	**109.2**	**107.1**	**108.7**
(X)	**Manufacturing**	**56.4**	**61.1**	**78.8**	**89.3**	**91.6**	**94.3**	**105.8**	**108.9**	**109.9**	**107.4**	**109.7**
(X)	**Durable goods**	**53.3**	**56.7**	**75.7**	**88.4**	**91.8**	**93.9**	**107.6**	**110.9**	**111.6**	**107.1**	**108.4**
24	Lumber and products	66.7	66.5	76.9	86.0	88.0	95.1	104.6	103.0	101.6	94.2	98.7
25	Furniture and fixtures	55.6	59.4	78.5	87.9	88.1	92.5	103.6	105.3	105.9	99.1	100.3
32	Clay, glass, and stone products	71.1	77.8	92.0	94.2	93.6	97.1	106.4	108.0	105.7	94.9	96.2
33	Primary metals	115.2	107.2	110.8	102.4	101.8	93.8	110.3	109.2	108.4	99.5	102.9
34	Fabricated metal products	75.9	76.7	92.5	93.3	94.5	93.8	106.2	107.2	105.9	100.4	101.7
35	Nonelectrical machinery	32.8	38.1	60.6	80.8	86.8	90.4	113.8	121.8	126.5	123.5	127.2
36	Electrical machinery	40.5	45.1	73.3	94.1	93.1	94.3	106.5	109.5	111.4	110.1	111.8
37	Transportation equipment	55.5	59.7	72.3	83.1	91.8	96.9	105.0	107.2	105.5	98.6	97.3
38	Instruments	38.8	52.4	78.8	92.1	95.7	95.1	110.1	116.4	116.8	118.2	118.3
(X)	**Nondurable goods**	**61.1**	**67.7**	**83.1**	**90.8**	**91.5**	**94.9**	**103.6**	**106.4**	**107.8**	**107.9**	**111.2**
20	Food	64.0	71.4	84.6	92.1	94.9	97.4	102.8	105.5	107.6	108.6	110.1
21	Tobacco products	90.6	97.8	103.6	97.2	97.3	95.8	101.4	99.7	98.6	99.7	105.5
22	Textile mill products	74.4	77.7	92.1	93.7	89.7	93.9	99.8	101.9	100.8	100.5	106.0
26	Paper and products	62.9	65.9	83.1	93.5	92.2	97.1	102.9	103.2	105.3	105.1	107.1
27	Printing and publishing	52.7	53.7	70.3	84.5	87.6	90.7	103.6	108.5	111.9	112.3	113.3
28	Chemicals and products	55.9	69.1	87.8	91.4	91.4	94.6	105.4	108.5	110.3	110.9	117.2
29	Petroleum products	83.9	91.5	99.0	92.8	92.6	98.9	103.4	106.1	108.2	107.5	108.6
30	Rubber and plastics products	37.6	47.4	61.7	83.8	85.8	90.8	105.9	108.9	110.2	110.0	117.3
31	Leather and products	208.0	182.5	161.7	126.5	112.5	102.6	99.6	103.7	100.0	88.1	88.5
(X)	**Mining**	**100.4**	**98.0**	**110.0**	**111.9**	**109.0**	**101.0**	**101.8**	**100.5**	**102.6**	**101.1**	**98.7**
(X)	**Utilities**	**72.9**	**84.3**	**95.9**	**97.0**	**99.5**	**96.3**	**104.4**	**107.1**	**108.0**	**109.2**	**108.3**

X Not applicable. [1] Standard Industrial Classifications.
Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly.

No. 1261. Index of Manufacturing Capacity: 1950 to 1992

[**1987 output = 100.** Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the *current* stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manufacturing	Primary processing	Advanced processing			All manufacturing	Primary processing	Advanced processing
1950	29	83	88	80	1984	111	80	80	80
1955	36	87	92	84	1985	115	80	80	79
1960	44	80	80	80	1986	119	79	81	78
1965	54	90	91	89	1987	123	81	85	80
1970	71	80	80	79	1988	126	84	88	82
1975	84	73	73	74	1989	130	84	87	83
1980	98	80	78	81	1990	134	82	85	81
1981	102	79	78	79	1991	137	78	80	77
1982	105	73	69	75	1992: 1st qtr	140	77	80	76
1983	108	75	75	75	2d qtr	141	78	81	77

Source: Board of Governors of the Federal Reserve System, *Industrial Production and Capacity Utilization, G.17(419)*. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY; and other sources.)

No. 1262. Finances of Manufacturing Corporations: 1970 to 1991

[**In billions of dollars.** Beginning 1986, data exclude estimates for corporations with less than $250,000 in assets at time of sample selection. Prior period includes estimates for corporations in this size category. See table 890 for individual industry data]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Net sales	709	1,065	1,897	2,039	2,114	2,335	2,331	2,221	2,378	2,596	2,745	2,811	2,761
Net operating profit	50	77	129	105	125	159	138	125	159	190	182	173	133
Net profit:													
Before taxes	48	80	145	108	133	166	137	129	173	216	189	160	100
After taxes	29	49	92	71	86	108	88	83	116	155	136	112	68
Cash dividends	15	20	36	41	42	45	46	46	50	57	65	62	60
Net income retained in business	14	29	58	30	44	63	42	37	66	98	71	49	7

Source: Through 1980, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census. *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.*

No. 1263. Capital in Manufacturing Establishments: 1980 to 1991

[**In billions of dollars, except percent.** Minus sign (-) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the Census of Manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source]

ITEM	CURRENT DOLLARS						CONSTANT (1987) DOLLARS					
	1980	1985	1988	1989	1990	1991	1980	1985	1988	1989	1990	1991
Purchases of equipment and structures	80	98	98	121	128	120	103	102	96	114	118	110
Percent equipment	70.5	65.3	68.7	68.1	66.1	67.3	68.6	64.6	69.0	68.6	66.9	68.2
Depreciation (straight line) [1]	54	78	91	96	101	106	72	83	88	90	93	96
Percent equipment	76.4	74.3	73.4	73.2	73.0	73.0	75.5	74.1	73.8	73.7	73.6	73.5
Net investment [2]	26	20	8	25	26	15	31	19	7	24	25	14
Net stock, end of year [1]	976	1,238	1,406	1,498	1,571	1,590	1,222	1,285	1,329	1,373	1,403	1,412
Equipment and structures	666	898	1,023	1,088	1,149	1,183	860	950	973	999	1,025	1,041
Percent equipment	62.0	57.7	56.6	56.5	56.7	56.7	61.3	57.8	56.9	56.8	56.5	56.2
Inventories	310	340	383	410	422	407	361	336	355	374	378	371

[1] Depreciation and net stock estimates for equipment and structures are derived using the perpetual inventory method and the straight-line depreciation formula. [2] Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *National Income Product Accounts of the United States: Volume 2, 1959-88; Fixed Reproducible Tangible Wealth in the United States, 1925-89 (forthcoming);* and *Survey of Current Business*, January 1992, July 1992, and August 1992.

No. 1264. U.S. Share of World Exports of Manufactures: 1980 to 1991

[World exports = exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, West Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percents are calculated from the values of exports of the 5 commodity groups from each of the 15 countries. Percentage shares are based on dollar values calculated at current exchange rates. Details are reported according to the United Nations Standard International Trade Classification (SITC), Revision 2 (1980-87), Revision 3 (1988 forward).

PRODUCT CATEGORY	TOTAL (bil. dol.)						PERCENT OF WORLD EXPORTS					
	1980	1985	1988	1989	1990	1991	1980	1985	1988	1989	1990	1991
Total [1]	**147.2**	**150.7**	**225.5**	**275.0**	**300.3**	**328.0**	**16.8**	**16.7**	**15.1**	**17.1**	**16.3**	**17.2**
Machinery	57.1	62.7	94.6	112.2	119.7	129.8	21.4	21.4	18.9	20.6	20.2	20.0
Transport equipment	28.9	35.2	47.8	55.2	62.9	70.3	18.3	18.7	16.6	17.9	17.6	18.6
Chemicals	20.8	21.5	32.7	38.0	39.5	43.4	17.9	17.9	16.0	18.0	16.6	17.4
Basic manufactures [2]	23.3	15.0	23.8	31.6	33.9	37.8	10.1	7.9	7.8	9.6	9.3	10.4
Misc. articles [3]	17.0	16.3	26.7	38.1	43.1	46.7	16.0	14.6	13.6	17.8	16.8	17.6

[1] Represents manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition. [2] Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. [3] Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Finance, Industry, and Trade Information; *Business America*, biweekly; and unpublished data.

No. 1265. Foreign Direct Investment Position in the United States for Manufacturing: 1990 and 1991

[**In millions of dollars.** Minus sign (-) indicates a negative position. See table 1335]

AREA OR COUNTRY	TOTAL [1]		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
All countries [2]	**157,431**	**162,853**	**22,943**	**23,370**	**45,847**	**49,133**	**15,523**	**15,780**	**27,521**	**27,637**
Canada	9,652	9,662	986	948	551	655	1,871	1,814	1,807	1,927
Europe [2]	121,292	126,809	20,334	21,065	39,607	43,820	10,310	10,468	19,623	19,417
France	13,669	14,821	1,496	1,855	4,068	4,195	(D)	2,498	(D)	1,538
Netherlands	24,717	24,137	7,439	8,175	8,133	7,071	1,437	2,081	3,950	4,092
United Kingdom	47,304	50,120	8,679	8,691	13,420	15,844	3,335	3,110	4,816	4,104
Sweden	5,238	5,343	-	-	603	909	275	298	2,672	2,714
Switzerland	10,393	9,781	(D)	1,990	3,273	3,225	(D)	549	2,838	2,668
Germany	15,695	16,546	126	-45	8,306	9,102	1,180	789	3,325	3,995
Africa	2,087	2,047	(D)	-18	(D)	-3	(D)	722	483	469
Latin America	5,423	3,664	239	241	1,822	318	104	95	-11	-72
Middle East	(D)	(D)	-	-	(D)	(D)	(D)	-	-1	40
Asia and Pacific [2]	(D)	(D)	(D)	1,128	(D)	(D)	(D)	2,681	5,619	5,857
Japan	17,153	18,657	793	769	3,101	3,446	2,326	2,504	5,203	5,396

- Represents or rounds to zero. D Withheld to avoid disclosure of data of individual companies. [1] Includes other manufacturing not shown separately. [2] Includes other countries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1992.

No. 1266. Employment Related to Manufactured Exports, by Industry: 1980 to 1989

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping the exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. For manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includes an estimate for working proprietors and partners]

INDUSTRY	EMPLOYMENT RELATED TO MANUFACTURED EXPORTS						CIVILIAN EMPLOYMENT (1,000)		
	Employees (1,000)			Percent of civilian employment					
	1980	1985	1989	1980	1985	1989	1980	1985	1989
U.S	**4,808**	**4,413**	**6,022**	**4.8**	**4.0**	**5.1**	**100,260**	**110,136**	**118,744**
Manufacturing	2,639	2,295	2,949	12.8	12.2	15.5	20,647	18,788	19,042
Nonmanufacturing	2,170	2,118	3,073	2.7	2.3	3.1	79,613	91,348	99,702
Trade	845	949	1,385	4.3	4.3	5.9	19,737	21,999	23,553
Business services	575	227	425	3.3	1.1	1.7	17,245	21,139	24,843
Transportation [1]	305	282	443	4.8	4.6	6.9	6,369	6,155	6,435
Agriculture	144	127	131	4.5	3.7	3.9	3,225	3,423	3,387
Mining	69	50	83	7.3	4.9	11.3	947	1,016	733
Other	233	483	606	0.7	1.3	1.5	32,090	37,616	40,751

[1] Includes communications and utilities.

No. 1267. Manufacturing Establishments—Export-Related Shipments and Employment, 1977 to 1989, and by Industry, 1989

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology]

SIC [1] code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE				MANUFACTURING EMPLOYMENT			
		Total [2] (bil. dol.)	Export related		Export related as percent of shipments	Total (1,000)	Export related		Export related as percent of total employment
			Total (bil. dol.)	Direct exports [3] (bil. dol.)			Total (1,000)	Direct exports [4] (1,000)	
(X)	1977	1,358.4	142.4	85.8	10.4	19,590	1,990	1,106	10.2
(X)	1980	1,852.7	249.8	151.2	13.5	20,647	2,639	1,486	12.8
(X)	1981	2,017.5	271.7	164.3	13.4	20,264	2,604	1,486	12.9
(X)	1983	2,055.3	246.4	141.6	12.0	18,737	2,173	1,118	11.6
(X)	1984	2,253.8	268.3	151.0	11.9	19,141	2,179	1,083	11.4
(X)	1985	2,278.9	286.7	156.9	12.6	18,788	2,295	1,083	12.2
(X)	1986	2,260.3	294.3	159.4	13.0	18,371	2,318	1,061	12.6
(X)	1987	2,475.9	378.8	193.6	15.3	18,900	2,771	1,185	14.7
(X)	1988	2,684.7	395.3	242.9	14.7	19,147	2,638	1,412	13.8
(X)	**1989, total**	**2,793.0**	**460.5**	**287.4**	**16.5**	**19,042**	**2,948**	**1,610**	**15.5**
20	Food and kindred products	364.4	23.5	18.1	6.5	1,459	79	62	5.4
21	Tobacco products	25.8	5.6	4.9	21.8	43	12	10	27.8
22	Textile mill products	67.3	7.4	3.2	10.9	653	66	26	10.1
23	Apparel, other textile products	63.4	3.8	2.6	5.9	1,018	44	28	4.4
24	Lumber and wood products	74.3	12.2	6.0	16.4	686	88	37	12.8
25	Furniture and fixtures	41.2	1.5	1.0	3.8	508	15	9	3.0
26	Paper and allied products	131.4	17.5	7.6	13.3	630	74	26	11.8
27	Printing and publishing	149.9	11.0	2.7	7.4	1,504	111	22	7.4
28	Chemical and allied products	278.1	58.0	39.3	20.8	848	169	116	19.9
29	Petroleum and coal products	143.7	14.7	4.8	10.2	112	10	4	9.2
30	Rubber, misc. plastics products	98.4	15.0	5.1	15.2	877	133	43	15.2
31	Leather, leather products	9.9	1.5	1.3	15.4	120	10	9	8.5
32	Stone, clay, glass products	63.6	5.2	2.6	8.2	520	41	20	7.9
33	Primary metal industries	153.0	38.6	9.8	25.2	727	178	38	24.4
34	Fabricated metal products	162.2	22.8	8.3	14.4	1,469	210	72	14.3
35	Machinery, except electric	253.6	69.0	52.0	27.2	1,913	475	336	24.8
36	Electric, electronic equipment	192.6	52.1	33.2	27.1	1,551	435	269	28.0
37	Transportation equipment	366.0	74.8	62.7	20.4	1,805	364	295	20.2
38	Instruments and related products	118.5	21.6	18.2	18.3	968	182	154	18.8
39	Misc. manufacturing	35.8	4.8	4.1	13.3	386	42	34	11.0
(X)	Administrative and auxiliary	-	-	-	(Z)	1,246	211	-	16.9

- Represents zero. X Not applicable. Z Equal to or rounds to zero. [1] Standard Industrial Classification; see text, section 13. [2] Includes total domestic and export shipments for all manufacturing establishments. [3] Includes only the value of manufactured products exported by the producing plants. [4] Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value.

Source of tables 1266 and 1267: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1987;* and *Annual Survey of Manufactures.*

No. 1268. Export-Related Shipments and Employment of Manufacturing Establishments, by State: 1989

[Advance data. See headnote, table 1267. Includes employees of central administrative and auxiliary offices]

REGION, DIVISION, AND STATE	MANUFACTURES SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
	Total (bil. dol.)	Export related			Export related as percent of shipments	Total (1,000)	Export related			Export related as percent of total employment
		Total (bil. dol.)	Direct exports (bil. dol.)	Supporting exports (bil. dol.)			Total (1,000)	Direct exports (1,000)	Supporting exports (1,000)	
U.S.	**2,793.2**	**460.8**	**287.9**	**173.3**	**16.5**	**19,041.2**	**2,948.7**	**1,610.7**	**1,338.0**	**15.5**
Northeast	**517.4**	**83.6**	**51.7**	**32.0**	**16.2**	**4,168.9**	**667.2**	**357.9**	**309.3**	**16.0**
N.E	**141.5**	**28.5**	**19.2**	**9.3**	**20.1**	**1,265.1**	**242.9**	**146.2**	**96.7**	**19.2**
ME	12.5	2.1	1.1	1.0	17.1	106.4	15.2	8.0	7.2	14.3
NH	10.2	1.9	1.2	0.7	18.6	97.8	16.7	8.6	8.1	17.1
VT	5.4	1.4	0.9	0.5	24.9	46.6	9.9	6.2	3.7	21.2
MA	65.2	13.0	9.0	4.0	19.9	561.5	110.0	66.9	43.1	19.6
RI	9.7	1.7	1.0	0.7	17.0	104.0	18.9	11.7	7.2	18.2
CT	38.5	8.4	6.0	2.4	21.8	348.8	72.2	44.8	27.4	20.7
M.A	**375.9**	**55.1**	**32.5**	**22.7**	**14.7**	**2,903.8**	**424.3**	**211.7**	**212.6**	**14.6**
NY	155.3	25.2	16.6	8.7	16.2	1,207.5	181.6	102.1	79.5	15.0
NJ	88.0	10.9	6.1	4.8	12.4	657.9	92.3	39.6	52.7	14.0
PA	132.6	19.0	9.8	9.2	14.4	1,038.4	150.4	70.0	80.4	14.5
Midwest	**889.2**	**135.7**	**83.2**	**52.6**	**15.3**	**5,600.7**	**857.5**	**434.1**	**423.4**	**15.3**
E.N.C	**664.4**	**104.8**	**62.7**	**42.0**	**15.8**	**4,231.5**	**671.6**	**333.6**	**338.0**	**15.9**
OH	176.5	30.8	18.8	12.0	17.4	1,100.2	184.7	93.9	90.8	16.8
IN	98.0	16.0	8.8	7.2	16.3	626.6	96.8	48.7	48.1	15.4
IL	152.0	23.7	13.8	9.8	15.6	1,033.4	158.8	76.5	82.3	15.4
MI	156.9	23.7	15.1	8.6	15.1	929.7	154.8	77.2	77.6	16.7
WI	81.0	10.6	6.2	4.4	13.1	541.6	76.5	37.3	39.2	14.1
W.N.C	**224.8**	**30.9**	**20.5**	**10.6**	**13.7**	**1,369.2**	**185.9**	**100.5**	**85.4**	**13.6**
MN	53.6	8.6	5.7	2.9	16.0	391.4	62.9	33.7	29.2	16.1
IA	42.9	5.7	3.8	1.9	13.3	225.3	28.7	16.9	11.8	12.7
MO	68.3	9.5	6.2	3.3	13.9	426.0	53.6	26.5	27.1	12.6
ND	2.9	0.5	0.4	0.1	15.9	15.2	1.6	1.0	0.6	10.5
SD	4.4	0.4	0.3	0.2	10.1	28.8	3.3	1.8	1.5	11.5
NE	18.7	1.9	1.2	0.7	10.3	93.8	10.5	5.5	5.0	11.2
KS	34.0	4.3	2.9	1.5	12.8	188.7	25.3	15.1	10.2	13.4
South	**925.6**	**144.7**	**85.4**	**59.1**	**15.6**	**5,924.1**	**788.1**	**417.2**	**370.9**	**13.3**
S.A	**419.4**	**63.4**	**38.8**	**24.6**	**15.1**	**3,088.3**	**397.8**	**206.7**	**191.1**	**12.9**
DE	12.4	1.2	0.6	0.6	9.6	67.9	9.7	2.6	7.1	14.3
MD	31.3	4.8	3.0	1.8	15.3	226.2	31.9	17.5	14.4	14.1
DC	2.2	0.2	0.1	0.1	10.0	14.4	1.3	0.4	0.9	9.0
	59.4	8.8	5.6	3.2	14.8	424.9	49.1	24.5	24.6	11.6
WV	13.1	2.8	1.5	1.3	21.0	83.2	13.3	5.7	7.6	16.0
NC	113.6	16.7	9.7	7.0	14.7	836.3	102.4	51.7	50.7	12.2
SC	46.5	8.5	5.1	3.4	18.3	370.7	55.5	30.4	25.1	15.0
GA	82.8	10.6	6.3	4.3	12.8	568.1	62.0	30.4	31.6	10.9
FL	58.1	9.8	6.9	2.9	16.9	496.6	72.6	43.5	29.1	14.6
E.S.C	**192.8**	**27.8**	**15.5**	**12.3**	**14.4**	**1,360.8**	**163.7**	**82.9**	**80.8**	**12.0**
KY	49.4	6.9	3.9	3.0	13.9	270.4	34.5	16.4	18.1	12.8
TN	67.0	9.1	5.2	3.9	13.5	499.6	58.6	30.6	28.0	11.7
AL	47.2	7.5	3.8	3.7	15.9	364.4	46.9	23.4	23.5	12.9
MS	29.2	4.3	2.6	1.7	14.7	226.4	23.7	12.5	11.2	10.5
W.S.C	**313.4**	**53.5**	**31.1**	**22.2**	**17.1**	**1,475.0**	**226.6**	**127.6**	**99.0**	**15.4**
AR	29.7	3.9	2.1	1.8	13.2	214.4	26.0	13.5	12.5	12.1
LA	59.8	9.4	5.0	4.3	15.6	166.5	19.8	9.5	10.3	11.9
OK	27.7	3.2	1.6	1.6	11.4	162.1	19.3	9.3	10.0	11.9
TX	196.2	37.0	22.4	14.5	18.8	932.0	161.5	95.3	66.2	17.3
West	**461.0**	**96.8**	**67.6**	**29.6**	**21.0**	**3,347.5**	**635.9**	**401.5**	**234.4**	**19.0**
Mt	**84.7**	**14.4**	**8.5**	**6.1**	**17.0**	**610.0**	**99.3**	**56.1**	**43.2**	**16.3**
MT	3.9	0.6	0.2	0.4	15.6	20.7	2.5	0.6	1.9	12.1
ID	9.0	1.6	1.0	0.6	17.8	58.1	9.4	5.2	4.2	16.2
WY	2.5	0.2	0.1	0.2	9.4	8.9	0.9	0.3	0.6	10.1
CO	26.6	4.0	2.6	1.4	15.1	183.9	29.8	18.5	11.3	16.2
NM	5.2	0.8	0.4	0.5	15.6	38.8	6.0	3.8	2.2	15.5
AZ	22.3	4.8	2.9	1.9	21.5	180.2	34.4	19.2	15.2	19.1
UT	12.6	2.0	1.1	0.9	15.7	96.0	13.6	7.2	6.4	14.2
NV	2.6	0.4	0.2	0.2	13.2	23.4	2.7	1.3	1.4	11.5
Pac	**376.3**	**82.4**	**59.1**	**23.5**	**21.9**	**2,737.5**	**536.6**	**345.4**	**191.2**	**19.6**
WA	59.4	23.2	20.1	3.1	39.1	361.6	107.7	84.5	23.2	29.8
OR	30.8	6.0	3.6	2.5	19.5	217.7	39.4	22.6	16.8	18.1
CA	279.2	51.2	33.6	17.6	18.3	2,126.3	380.8	230.7	150.1	17.9
AK	3.1	1.5	1.4	0.1	21.5	11.4	6.0	5.6	0.4	52.6
HI	3.8	0.5	0.4	0.2	14.0	20.5	2.7	2.0	0.7	13.2

Source: U.S. Bureau of the Census, *Exports from Manufacturing Establishments* AR89-1.

No. 1269. Manufacturing Technology—Percent of Establishments Using and Planning to Use: 1988

ESTABLISHMENT CHARACTERISTIC	ESTABLISHMENTS USING SELECTED TECHNOLOGIES									PLANNING TO USE WITHIN 2 YEARS				
	Computer aided design (CAD) or computer aided engineering	Numerically controlled machines	Automated material handling	Automated sensor based inspection or testing	Communication and control					Design and engineering	Fabrication/machining, assembly	Automated material handling	Automated sensor based inspection or testing	Communication and control
					Programmable controllers	Computer control on factory floor	LAN [1]		Inter-company computer network					
							For technical data	For factory use						
Major SIC [2] group:														
34, Fabricated metal products	26.8	32.2	1.8	15.0	26.8	21.1	13.4	11.6	14.9	20.4	14.7	1.3	6.5	38.8
35, Industrial mach. and equip.	43.2	56.7	5.3	18.4	33.9	28.1	18.5	16.3	12.4	30.8	14.9	2.6	8.2	40.3
36, Electronic and other	48.5	34.9	6.7	38.4	38.0	34.5	24.9	21.1	16.2	26.6	21.9	3.3	12.0	49.5
37, Transportation equip.	39.9	37.3	8.0	27.1	32.0	27.4	22.0	18.7	21.7	25.8	20.2	3.5	7.1	36.3
38, Instruments, related prod.	48.9	33.6	5.5	27.6	32.7	32.3	25.8	21.3	13.8	29.7	19.4	2.5	12.0	45.4
Employment size:														
20 to 99	29.8	35.9	1.7	13.8	22.5	18.9	13.1	11.0	9.7	23.3	11.4	1.2	6.2	36.2
100 to 499	54.4	50.0	5.4	31.6	48.1	41.0	25.9	22.9	22.7	32.6	26.9	3.8	13.4	53.0
500 and over	82.6	69.8	37.5	85.8	77.8	68.0	58.6	50.7	41.8	32.6	40.7	10.3	16.0	55.9
Age of plant (years):														
Less than 5	44.4	37.3	3.7	24.7	29.5	27.3	21.3	18.0	11.9	32.0	19.5	1.7	13.4	50.3
5 to 15	42.6	42.3	4.4	24.8	34.5	29.8	21.3	17.4	16.2	28.8	19.9	3.3	9.9	48.1
16 to 30	41.3	48.0	4.7	23.7	34.9	29.0	19.4	17.1	16.6	27.5	17.6	2.2	7.9	45.1
Over 30	43.1	50.0	7.3	24.9	39.0	32.1	20.7	18.7	18.0	27.0	17.0	2.6	7.9	38.5
Manufacturing process:														
Fabrication/machining	31.1	53.5	2.4	20.6	31.2	24.7	13.7	12.2	14.6	24.1	15.6	1.6	9.9	45.1
Assembly	49.9	15.1	7.4	30.5	30.5	32.6	26.2	22.5	18.3	22.9	19.5	3.9	11.0	45.7
Both	47.2	55.0	5.7	25.2	38.7	32.1	21.8	18.8	16.6	33.3	20.1	2.7	9.0	46.0
Neither	18.5	9.6	2.7	14.8	24.6	17.4	15.9	12.1	11.9	13.7	10.9	1.3	6.0	36.3
Market for most products:														
Consumer	27.6	23.9	4.6	21.2	34.5	27.1	16.1	17.2	17.5	21.7	21.3	3.0	10.6	42.3
Commercial	49.1	41.7	6.5	25.9	34.3	33.0	24.4	22.0	16.4	32.1	18.7	2.8	9.8	43.5
Industrial	42.8	49.5	3.9	21.3	34.5	27.6	19.1	15.9	13.6	29.9	16.4	2.2	8.5	45.8
Transportation	45.7	47.9	8.3	35.4	44.3	34.5	24.8	20.4	32.6	34.1	29.9	3.6	11.9	57.0
Government	57.0	62.0	7.9	42.2	39.4	41.0	28.8	22.8	13.9	29.0	20.1	3.7	13.5	51.9
Other	36.6	36.9	4.5	14.6	24.5	24.0	16.7	13.3	12.2	16.6	12.4	1.5	5.4	31.6
Market price for most products:														
Less than $5	28.6	29.0	2.2	27.0	39.3	26.4	16.7	15.1	21.5	25.4	22.1	1.7	13.4	47.6
$5 to $100	33.3	45.1	3.5	25.6	35.7	29.9	16.4	17.7	19.0	28.2	22.1	3.7	11.9	47.1
$101 to $1,000	41.0	51.5	4.5	24.9	31.6	29.6	20.0	16.1	13.7	27.6	18.5	1.9	8.0	47.0
$1,001 to $2,000	50.2	49.2	6.0	25.8	32.1	30.5	22.1	18.5	14.1	29.9	16.9	3.6	10.5	43.3
$2,001 to $10,000	50.9	45.0	4.9	21.2	28.0	30.7	22.0	17.4	11.8	30.7	13.5	2.0	6.7	41.1
Over $10,000	61.8	48.8	9.8	22.2	39.8	31.9	29.9	21.8	14.4	33.5	16.0	3.0	6.0	46.5

[1] Local area network. [2] Standard Industrial Classification; see text, section 13.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturing Technology, 1988.*

No. 1270. Alcoholic Beverages—Summary: 1970 to 1991

[**For fiscal years ending in year shown;** see text, section 9. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits]

ITEM	Unit	1970	1980	1985	1987	1988	1989	1990	1991
Beer: Breweries operated	Number	154	86	103	120	183	245	286	333
Production	Mil. bbl. [1]	135	193	194	196	197	198	202	204
Value of shipments (SIC 2082) [2]	Mil. dol.	3,822	9,362	12,216	13,619	13,871	14,321	15,186	15,925
Tax-paid withdrawals	Mil. bbl. [1]	123	172	175	178	178	179	182	183
Stocks on hand, June 30	Mil. bbl. [1]	15	15	14	14	14	14	14	14
Per capita consumption [3]	Gallons	(NA)	24.5	23.7	23.7	(NA)	(NA)	(NA)	(NA)
Distilled spirits:									
Production facilities operated	Number	140	143	117	102	105	140	143	145
Warehouses operated	Number	274	200	214	211	186	260	243	224
Production, total [4]	Mil. tax gal. [5]	355	236	117	90	99	135	122	129
Whisky	Mil. tax gal. [5]	160	87	65	42	38	75	77	75
Tax-paid withdrawals, total [6]	Mil. tax gal. [5]	256	330	306	271	255	251	251	242
Whisky	Mil. tax gal. [5]	112	42	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total [4]	Mil. tax gal. [5]	1,091	696	588	508	456	456	451	459
Whisky	Mil. tax gal. [5]	960	566	467	409	370	361	365	368
Bottled for consumption, total	Mil. wine gal. [7]	312	392	371	337	317	312	306	299
Whisky	Mil. wine gal. [7]	192	165	138	119	111	109	106	100
Per capita [3]	Wine gal. [7]	(NA)	2.0	1.7	1.6	(NA)	(NA)	(NA)	(NA)
Still wines: Production [8]	Mil. wine gal. [7]	713	982	622	677	538	611	577	478
Distilling materials	Mil. wine gal. [7]	(NA)	184	148	155	119	122	103	108
Tax-paid withdrawals [9]	Mil. wine gal. [7]	204	340	414	451	451	464	468	439
Stocks on hand, June 30 [10]	Mil. wine gal. [7]	207	486	602	618	570	558	562	539
Per capita [3]	Wine gal. [7]	(NA)	2.1	2.4	2.2	(NA)	(NA)	(NA)	(NA)
Effervescent wines: [11]									
Production	Mil. wine gal. [7]	20.0	26.8	32.0	29.2	29.8	30.9	26.9	22.8
Tax-paid withdrawals	Mil. wine gal. [7]	17.1	24.1	30.9	31.2	29.2	27.0	26.2	24.6
Stocks on hand, June 30	Mil. wine gal. [7]	8.1	11.9	21.3	18.7	18.2	19.4	22.1	20.4
Per capita [3]	Wine gal. [7]	0.15	0.17	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Of domestic output	Wine gal. [7]	0.13	0.12	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Barrels of 31 wine gallons (see footnote 8). [2] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977, 1982* and *1987*, and *Annual Survey of Manufactures*. [3] Source: U.S. Dept. of Commerce, International Trade Administration. Based on resident population as of July 1, including Armed Forces abroad. [4] Excludes alcohol produced for industrial use. [5] A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnote 8.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60° F, containing 50 percent of ethyl alcohol by volume. [6] Includes ethyl alcohol. [7] A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. [8] Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). [9] Includes special natural wines. [10] Excludes distilling materials. [11] Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

No. 1271. Tobacco Products—Production, Consumption, and Expenditures: 1970 to 1991

[Production data are for calendar years. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241]

ITEM	Unit	1970	1975	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Production:													
Cigarettes	Billions	583	651	714	667	669	665	658	689	695	677	710	695
Nonfilter tip	Billions	116	80	54	43	39	36	33	30	28	24	23	19
Regular	Billions	54	36	23	19	18	16	15	14	12	11	11	9
King	Billions	62	44	30	24	21	20	18	16	16	13	12	10
Filter tip	Billions	467	571	661	625	630	629	625	660	667	654	687	675
Long and king	Billions	362	404	439	384	380	378	373	397	400	392	417	423
Extra long	Billions	105	167	222	241	251	252	252	263	267	261	270	253
Cigars	Billions	8.4	5.7	4.0	3.6	3.5	3.1	2.9	2.1	2.0	2.0	1.9	1.7
Tobacco [1]	Mil. lb.	165	152	163	162	163	158	147	143	142	141	142	142
Per capita consumption: [2]													
All products	Lb. [3]	9.7	9.1	7.9	7.2	6.9	6.8	6.6	6.3	6.1	5.7	5.5	5.4
Cigarettes	1,000	4.0	4.1	3.8	3.5	3.4	3.4	3.3	3.2	3.1	2.9	2.8	2.7
Cigars [4]	Number	60	39	24	21	20	18	17	15	14	14	13	12
Expenditures (consumer)	Mil. dol.	11.5	15.5	21.0	28.7	30.7	32.2	33.7	35.4	37.8	40.9	43.8	47.4
Cigarettes	Mil. dol.	10.4	14.3	19.4	26.8	28.8	30.3	31.8	33.6	35.9	38.3	41.6	45.2
Cigars	Mil. dol.	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7
Other	Mil. dol.	0.4	0.6	0.9	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6

[1] Smoking and chewing tobaccos and snuff output. [2] Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [3] Unstemmed processing weight equivalent. [4] Weighing over 3 pounds per 1,000.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation and Outlook*, quarterly.

No. 1272. Cotton, Wool, and Manmade Fibers—Consumption and Distribution in Selected Consumer Products: 1987 to 1991

[Represents products manufactured by U.S. mills. Excludes glass fiber]

END-USE AND YEAR	Total (mil. lb.)	COTTON		WOOL		MAN-MADE FIBERS					
								Cellulosic [1]		Non-cellulosic [2]	
		Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (mil. lb.)	Percent end-use	Total (lb.)	Percent end-use
Total:											
1987	13,913	4,520	32.5	226	1.6	9,167	65.9	587	4.2	8,580	61.7
1988	13,532	4,033	29.8	210	1.6	9,289	68.6	613	4.5	8,676	64.1
1989	14,125	4,633	32.8	196	1.4	9,296	65.8	600	4.2	8,696	61.6
1990	14,010	4,699	33.5	185	1.3	9,126	65.2	598	4.3	8,528	60.9
1991	14,416	5,032	34.9	213	1.4	9,171	63.7	556	3.9	8,615	59.8
Apparel:											
1987	5,564	2,769	49.8	157	2.8	2,638	47.4	236	4.2	2,402	43.2
1988	5,164	2,513	48.7	139	2.7	2,512	48.6	276	5.3	2,236	43.3
1989	5,514	2,821	51.2	124	2.2	2,569	46.6	274	5.0	2,295	41.6
1990	5,269	2,956	56.1	118	2.2	2,195	41.7	294	5.6	1,901	36.1
1991	5,604	3,241	57.8	142	2.6	2,221	39.6	283	5.0	1,938	34.6
Home furnishings:											
1987	2,162	1,232	57.0	18	0.8	912	42.2	139	6.4	773	35.8
1988	2,052	1,079	52.6	19	0.9	954	46.5	130	6.3	824	40.2
1989	2,285	1,339	58.6	19	0.8	927	40.6	123	5.4	804	35.2
1990	2,155	1,245	57.8	14	0.6	896	41.6	104	4.8	792	36.8
1991	2,179	1,283	58.9	11	0.5	885	40.6	94	4.3	791	36.3
Floor coverings:											
1987	2,975	18	0.6	23	0.8	2,934	98.6	1	-	2,933	98.6
1988	3,053	12	0.4	21	0.7	3,020	98.9	1	-	3,019	98.9
1989	2,997	14	0.5	24	0.8	2,959	98.7	1	-	2,958	98.7
1990	3,076	19	0.6	21	0.7	3,036	98.7	-	-	3,036	98.7
1991	2,986	20	0.7	25	0.8	2,941	98.5	-	-	2,941	98.5
Exports of domestic products:											
1987	406	127	31.3	15	3.7	264	65.0	22	5.4	242	59.6
1988	456	124	27.2	19	4.2	313	68.6	25	5.5	288	63.1
1989	492	135	27.4	20	4.1	337	68.5	27	5.5	310	63.0
1990	532	146	27.4	22	4.1	364	68.5	29	5.5	335	63.0
1991	572	155	27.1	23	4.0	394	68.9	32	5.6	362	63.3
Industrial: [3]											
1987	2,806	374	13.3	13	0.5	2,419	86.2	189	6.7	2,230	79.5
1988	2,807	305	10.9	12	0.5	2,490	88.6	181	6.4	2,309	82.2
1989	2,837	324	11.4	9	0.3	2,504	88.3	175	6.2	2,329	82.1
1990	2,978	333	11.2	10	0.4	2,635	88.4	171	5.7	2,464	82.7
1991	3,075	333	10.8	12	0.4	2,730	88.8	147	4.8	2,583	84.0

- Represents zero. [1] Rayon and acetate. [2] Nylon, polyester, acrylic, olefin, except as noted. [3] Includes consumer-type products.

Source: Fiber Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly, (copyright).

No. 1273. U.S. Exports and Imports of Textiles and Apparel Products: 1989 to 1991

[**In millions of dollars.** Excludes glass fibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (-) indicates deficit]

PRODUCT	EXPORTS			GENERAL IMPORTS			BALANCE		
	1989	1990	1991	1989	1990	1991	1989	1990	1991
Total	**5,984**	**7,401**	**8,669**	**30,653**	**31,931**	**33,197**	**24,669**	**24,530**	**24,528**
Textile yarn fabrics	3,897	4,922	5,457	6,094	6,398	6,991	2,197	1,476	1,534
Textile yarn	1,032	1,242	1,254	742	697	831	-290	545	423
Cotton fabric, woven	369	503	542	1,063	1,120	1,281	694	617	739
Woven fabric of manmade textiles	577	673	703	969	974	1,106	392	301	403
Woven fabric of textile material	132	129	141	641	647	677	509	518	536
Special yarns	830	1,053	1,166	633	695	724	197	358	-442
Other	957	1,322	1,651	2,046	2,265	2,372	1,089	943	721
Apparel	2,087	2,479	3,212	24,559	25,533	26,206	22,472	23,054	22,994

Source: U.S. Bureau of the Census, *U.S. Merchandise Trade: Exports, General Imports, and Imports for Consumption*, Report FT925, monthly.

No. 1274. Iron and Steel Industry—Summary: 1980 to 1991

[The universe for financial data for 1991 represents companies who produced 68 percent of the reported raw steel production. The financial data represents the operations of the steel segment of companies. Minus sign (-) indicates net loss]

ITEM	Unit	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Steel mill products, apparent supply	Mil. tons [1]	95.2	83.5	98.9	96.4	90.0	95.9	102.7	96.8	97.8	88.3
Net shipments	Mil. tons [1]	83.9	67.6	73.7	73.0	70.3	76.7	83.8	84.1	85.0	78.8
Exports	Mil. tons [1]	4.1	1.2	1.0	1.0	1.0	1.1	2.1	4.6	4.3	6.3
Imports	Mil. tons [1]	15.5	17.1	26.2	24.3	20.7	20.4	20.9	17.3	17.2	15.8
Scrap consumed	Mil. tons [1]	66.6	49.0	51.8	53.2	49.7	51.7	56.3	51.7	50.1	(NA)
Scrap inventory	Mil. tons [1]	6.9	5.0	4.4	4.0	3.4	3.8	3.5	3.5	3.6	(NA)
Iron and steel products: Exports	Mil. tons [1]	5.1	1.8	1.7	1.6	1.5	1.7	2.8	5.4	5.3	7.4
Imports	Mil. tons [1]	17.9	19.3	29.5	27.6	24.2	23.8	25.7	22.1	21.9	20.2
Capacity by steelmaking process	Mil. net tons	153.7	150.6	135.3	133.6	127.9	112.2	112.0	115.9	116.7	117.6
Revenue	Bil. dol.	37.7	25.0	30.3	28.4	25.0	27.1	32.7	31.8	30.9	27.4
Net income	Bil. dol.	0.7	-2.2	(-Z)	-1.8	-4.1	1.0	-0.6	1.6	0.1	2.1
Stockholders' equity	Bil. dol.	14.5	8.2	9.4	6.9	2.4	3.0	2.2	2.1	4.3	2.7
Total assets	Bil. dol.	30.8	25.5	26.2	24.0	21.0	21.9	24.2	24.6	28.3	27.8
Capital expenditures	Bil. dol.	2.7	1.9	1.2	1.6	0.9	1.2	1.8	2.3	2.6	2.3
Working capital ratio [2]	Ratio	1.6	1.3	1.4	1.3	1.6	1.5	1.7	1.6	1.6	1.4
Inventories	Bil. dol.	4.7	3.3	4.2	3.5	3.0	3.4	3.8	4.0	4.7	4.4
Average employment	1,000	399	243	236	208	175	163	169	169	164	146
Hours worked	Million	758	475	474	419	356	354	363	360	350	304
Producer price indexes: [3]											
Iron and steel, total	1982=100	90.0	101.3	105.3	104.8	101.1	104.6	115.7	119.1	117.2	114.1
Steel mill products	1982=100	86.6	100.9	104.7	104.7	99.8	102.3	110.7	114.5	112.1	109.5
Blast and electric furnace products	1982=100	97.1	97.7	97.3	95.6	94.2	97.1	119.6	129.4	120.1	116.9
Iron ore	1982=100	87.8	101.2	101.2	97.5	91.5	84.2	82.8	82.8	83.3	83.6
Scrap, iron and steel	1982=100	140.9	107.4	123.7	112.6	109.6	128.4	177.1	173.7	166.0	147.6
Foundry and forge shop products	1982=100	89.7	101.6	104.4	105.2	105.2	105.7	109.6	114.6	117.2	119.0

NA Not available. Z Less than $50 million. [1] In millions of short tons. [2] Current assets to current liabilities. [3] Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

No. 1275. Raw Steel, Pig Iron, and Ferroalloys Production: 1970 to 1991

[**In millions, except percent.** See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1970	1975	1980	1984	1985	1986	1987	1988	1989	1990	1991
Raw steel (net tons):											
World production	654.2	712.0	790.4	782.6	792.9	788.9	811.1	859.2	865.3	848.8	809.4
U.S. production	131.5	116.6	111.8	92.5	88.3	81.6	89.2	99.9	97.9	98.9	87.9
Percent of world	20.1	16.4	14.2	11.8	11.1	10.3	11.0	11.6	11.3	11.6	10.9
Basic oxygen process	63.3	71.8	67.6	52.8	51.9	47.9	52.5	58.0	58.3	58.5	52.7
Electric	20.2	22.7	31.2	31.4	29.9	30.4	34.0	36.8	35.2	36.9	33.8
Open hearth	48.0	22.2	13.0	8.3	6.4	3.3	2.7	5.1	4.4	3.5	1.4
Carbon	117.4	100.4	94.7	79.9	76.7	71.4	78.0	86.8	86.2	86.6	77.9
Alloy and stainless	14.1	16.3	17.1	12.6	11.6	10.2	11.2	13.1	11.7	12.3	10.0
Pig iron and ferroalloys, production (sh. tons) [1]	93.5	79.9	68.7	51.9	50.4	44.0	48.4	55.7	55.9	54.8	48.6

[1] Beginning 1975, includes blast furnace ferroalloys.

No. 1276. Steel Products—Net Shipments, by Market Classes: 1970 to 1991

[**In thousands of short tons.** Comprises carbon, alloy, and stainless steel]

MARKET CLASS	1970	1975	1980	1985	1987	1988	1989	1990	1991
Total [1]	**90,798**	**79,957**	**83,853**	**73,043**	**76,654**	**83,840**	**84,100**	**84,981**	**78,846**
Automotive	14,475	15,214	12,124	12,950	11,343	12,555	11,763	11,100	10,015
Steel service centers, distributors	16,025	12,700	16,172	18,439	19,840	21,037	20,769	21,111	19,464
Construction, incl. maintenance	8,913	8,119	8,742	7,900	7,681	8,607	8,318	9,245	9,161
Containers, packaging, shipping	7,775	6,053	5,551	4,089	4,372	4,421	4,459	4,474	4,278
Machinery, industrial equipment, tools	5,169	5,173	4,543	2,271	2,277	2,798	2,409	2,388	1,982
Steel for converting and processing	3,443	3,255	4,117	5,484	7,195	8,492	8,235	9,441	8,265
Rail transportation	3,098	3,152	3,155	1,061	758	1,146	1,229	1,080	999
Contractors' products	4,440	3,927	3,148	3,330	3,337	3,495	3,182	2,870	2,306
Oil and gas industries	3,550	4,171	5,371	2,044	1,489	1,477	1,203	1,892	1,425
Electrical equipment	2,694	2,173	2,441	1,869	2,373	2,459	2,449	2,453	2,102
Appliances, utensils, and cutlery	2,160	1,653	1,725	1,466	1,633	1,638	1,721	1,540	1,388

[1] Includes other classes not shown and nonclassified shipments.

Source of tables 1275 and 1276: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report* (copyright).

No. 1277. Computer Shipments and Revenues: 1989 to 1991

[Revenue is in if-sold, end-user dollars]

ITEM	FACTORY REVENUE (mil. dol.)			Shipments (units)		
	1989	1990	1991	1989	1990	1991
United States:						
Supercomputer	794.5	788.8	877.6	568	531	553
Mainframe	12,532.8	12,538.1	9,855.6	3,969	3,952	3,434
Midrange	9,962.7	9,815.8	6,340.3	239,652	208,102	178,276
Workstation	2,716.1	3,147.2	3,474.1	130,162	161,488	210,649
Personal computer	18,296.3	18,660.9	18,428.0	9,329,970	9,848,593	10,182,500
Canada						
Supercomputer	30.0	29.9	29.7	16	19	19
Mainframe	918.0	892.4	771.7	257	257	266
Midrange	775.1	744.3	579.0	21,124	17,832	14,277
Workstation	137.8	225.6	191.1	6,609	12,077	7,996
Personal computer	1,227.3	1,447.7	1,474.0	813,702	857,706	884,378
Western Europe						
Supercomputer	429.7	505.6	554.4	256	291	295
Mainframe	10,313.7	10,861.9	8,924.2	4,058	4,307	4,390
Midrange	10,378.5	10,061.5	9,892.1	283,954	243,340	250,778
Workstation	1,870.7	2,395.5	2,544.4	88,291	121,577	155,249
Personal computer	12,210.3	14,810.1	14,519.4	6,855,323	7,954,834	8,572,164
Japan						
Supercomputer	373.4	469.9	495.6	102	116	141
Mainframe	5,394.5	5,697.6	6,242.4	6,094	6,222	5,639
Midrange	4,604.8	5,392.1	5,668.3	217,730	231,571	287,640
Workstation	1,306.8	1,511.6	1,875.5	76,714	96,267	123,904
Personal computer	4,569.5	4,746.0	4,600.8	1,891,800	2,243,500	2,363,000

Source: Dataquest Inc., San Jose, CA, Consolidated Data Base, May 1992.

No. 1278. Domestic Personal Computer Sales and Use: 1981 to 1988

[In millions of units, except as indicated]

ITEM	1981	1982	1983	1984	1985	1986	1987	1988
Personal computers (PC's) sold	1.11	3.53	6.90	7.61	6.75	7.04	8.34	9.50
Value (mil. dol.)	3,143	5,925	9,779	14,269	17,077	18,888	23,458	27,700
Personal computers in use, total [1]	2.12	5.53	12.17	19.18	25.27	31.15	37.84	45.08
Workplace	1.24	2.26	4.00	6.44	9.26	12.22	15.91	20.33
Education	0.13	0.27	0.54	0.78	1.15	1.55	1.96	2.36
Homes	0.75	3.00	7.64	11.95	14.86	17.38	19.97	22.38
Personal computer-related equipment in use:								
Impact printers	0.72	1.90	4.25	8.70	12.80	17.21	22.49	27.30
Nonimpact printers	0.02	0.10	0.31	0.68	1.19	1.83	2.76	3.42
Plotters	0.02	0.05	0.12	0.22	0.39	0.61	0.88	1.07
Monochrome monitors	0.97	2.24	4.68	7.00	9.74	12.56	15.59	18.65
Color monitors	0.13	0.48	1.29	2.98	5.01	7.73	11.68	13.97
Modems	0.18	0.53	1.41	3.00	4.66	6.55	8.91	10.91
Add-in-boards [2]	2.41	5.68	11.43	19.36	29.62	41.22	55.17	65.26
PC hardware maintenance (mil. dol.) [3]	76	166	279	568	951	1,061	1,750	2,298

[1] Excluding multiuser personal computers. [2] Excluding add-in modem boards. [3] Excluding education and home.
Source: Future Computing/Datapro, Inc. Delran, NJ, unpublished data.

No. 1279. Microcontrollers and Chip Shipments: 1985 to 1991

ITEM	Unit	1985	1986	1987	1988	1989	1990	1991
Microcontrollers, worldwide: Units	Mil. units	340.8	493.9	729.2	948.3	1,152.8	1,357.5	1,592.0
8-bit	Mil. units	163.6	218.0	333.5	477.8	461.3	562.9	721.5
4-bit	Mil. units	177.0	271.9	392.3	465.0	682.1	777.2	838.4
16-bit	Mil. units	0.2	0.4	3.4	5.5	9.4	17.4	32.1
Revenue	Mil. dol.	1,114	1,392	2,072	2,706	3,262	3,667	4,519
8-bit	Mil. dol.	728	831	1,251	1,725	2,002	2,079	2,618
4-bit	Mil. dol.	382	555	792	935	1,173	1,394	1,598
16-bit	Mil. dol.	4	7	29	47	86	194	303
32-bit processor—Units:								
RISC [1]	Mil. units	-	-	0.1	0.2	0.7	0.8	1.5
CISC [2]	Mil. units	0.1	0.5	1.7	4.9	8.1	7.3	13.5
Revenue	Mil. dol.	19	88	301	579	817	1,402	2,456
RISC [1]	Mil. dol.	3	4	12	39	(NA)	175	270
CISC [2]	Mil. dol.	16	84	288	540	(NA)	1,227	2,186
256K DRAM [3] chips	Mil. units	201.6	620.0	766.3	955.9	780.1	620.5	299.1
Revenue	Mil. dol.	764	1,432	1,809	2,916	2,442	1,322	622
Price	Dollars	3.79	2.31	2.36	3.05	3.13	2.13	2.08
1-Megabit DRAM chips	Mil. units	0.2	4.3	42.6	212.7	407.5	665.0	835.4
Revenue	Mil. dol.	17	134	637	3,590	5,599	4,229	3,776
Price	Dollars	100.66	31.16	14.95	16.88	13.74	6.36	4.52

- Represents or rounds to zero. NA Not available. [1] RISC – Reduced Instruction Set Computer. [2] CISC – Complex Instruction Set Computer. [3] DRAM – Dynamic Random Access Memory.
Source: Dataquest, Inc., San Jose, CA, unpublished data.

No. 1280. Computers and Industrial Electronic Equipment—Shipments, by Type: 1982 to 1991

[In millions of dollars]

TYPE OF EQUIPMENT	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Total	**55,639**	**60,084**	**73,610**	**74,247**	**73,086**	**79,456**	**82,022**	**85,075**	**84,962**	**83,959**
Computer and peripheral equipment:										
Computers	16,036	17,865	24,401	25,616	26,020	28,975	28,693	28,464	27,559	27,091
Peripheral equipment	18,728	20,844	23,954	23,828	22,195	23,865	25,443	25,729	25,709	25,291
Industrial Electronics:										
Controlling, processing equipment	7,363	7,428	8,683	8,719	8,924	9,193	9,861	11,992	12,471	12,105
Testing, measuring equipment	4,695	5,200	6,279	6,008	5,736	6,009	5,807	5,953	5,955	5,768
Nuclear electronic equipment	546	490	480	519	560	601	616	606	651	631
Other electronic equipment	3,869	3,412	4,665	4,530	4,720	5,238	5,588	5,992	5,609	5,539
Electromedical electronic equipment	4,402	4,845	5,148	5,028	4,931	5,576	6,015	6,339	7,010	7,535

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 1281. Factory Sales of Electronic Components and Consumer Electronic Products: 1980 to 1991

[In millions of dollars]

PRODUCT	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Electronic components	**25,571**	**33,856**	**43,306**	**39,459**	**38,829**	**45,335**	**50,988**	**54,937**	**55,094**	**55,974**
Solid state products	9,089	12,570	17,032	14,650	14,408	16,819	19,790	22,376	21,507	21,979
Parts	7,080	8,318	10,155	9,329	9,169	10,664	10,871	10,560	9,976	9,985
Electron tubes	1,744	2,049	2,137	2,055	2,125	2,176	2,289	2,596	2,627	2,564
Other components [1]	7,658	10,919	13,982	13,423	13,121	15,676	18,038	19,405	20,984	21,446
Consumer electronic products	**10,891**	**14,560**	**17,594**	**23,652**	**21,480**	**21,835**	**22,139**	**22,340**	**22,602**	**21,977**
Color TV receivers	4,210	5,002	5,538	5,565	6,040	6,303	6,277	6,530	6,247	6,035
Car audio	1,368	1,900	2,500	2,761	3,135	3,523	3,937	4,125	4,292	4,107
Video cassette recorders	621	2,162	3,585	4,739	5,258	3,442	2,848	2,625	2,439	2,454
Camcorders	621	(NA)	(NA)	565	1,280	1,651	1,972	2,007	2,260	2,013
Separate audio components	1,424	1,268	913	1,132	1,358	1,715	1,854	1,871	1,935	1,805
Portable audio tape equipment	1,403	1,102	1,191	1,140	1,389	1,469	1,547	1,595	1,645	1,780
Audio systems [2]	809	630	976	1,372	1,370	1,048	1,225	1,217	1,270	1,264
Blank video cassettes	(NA)	580	770	1,055	1,235	1,006	936	923	948	980
Projection TV	(NA)	268	385	488	529	527	529	478	626	683
Home radios	468	565	661	379	408	409	377	379	360	310
Blank audio cassettes	(NA)	234	256	270	300	375	354	367	376	373
Monochrome TV receivers	588	465	419	328	373	341	236	156	132	92
Video disc players	(NA)	81	45	23	26	26	34	50	72	81
Color cameras	(NA)	303	355	228	59	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Includes sockets, delay lines, loudspeakers, magnetic components, transducers, printed circuit boards, microwave components, assemblies, and parts. [2] Includes compact and rack systems.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual (copyright).

No. 1282. Semiconductors and Related Devices: 1980 to 1991

[**In millions of dollars, except percent.** Semiconductors and related devices represent SIC 3674]

ITEM	1980	1985	1986	1987	1988	1989	1990	1991
Consumption, North American market [1]	6,053	9,420	10,844	12,858	15,844	17,070	16,540	16,990
Capital expenditures (North America) [2]	1,438	2,629	2,082	2,594	3,434	3,875	4,088	3,851
Percent of sales	22.6	27.9	19.2	20.2	21.7	22.7	24.7	22.7
Japanese capital expenditures as a percent of revenues	17.2	40.0	16.0	16.0	21.4	23.3	23.4	(NA)
R&D (North America)	423	1,159	1,250	1,448	1,661	(NA)	(NA)	(NA)
Imports, total [3]	**2,223**	**4,870**	**5,044**	**6,656**	**9,502**	**10,758**	**(NA)**	**(NA)**
Integrated circuits	1,909	4,365	4,459	6,000	8,683	9,957	(NA)	(NA)
Transistors	193	242	279	318	402	401	(NA)	(NA)
Diodes and rectifiers	121	263	306	338	417	400	(NA)	(NA)
Shipments [4]	9,455	15,253	14,930	17,929	20,332	23,488	23,978	27,437
Integrated microcircuits	6,768	10,872	10,925	13,300	14,857	16,682	16,372	19,894
Semiconductor devices, n.e.c. [5]	1,398	2,569	2,303	2,586	3,337	4,875	5,584	5,653
Assets, beginning of year	4,014	12,200	(NA)	16,515	(NA)	(NA)	(NA)	(NA)
New capital expenditures	1,596	2,832	2,220	1,921	2,681	3,132	3,439	2,945
Used capital expenditures	40	390	66	94	56	46	37	108
Retirements	230	896	(NA)	1,442	(NA)	(NA)	(NA)	(NA)
Assets, end of year	5,420	14,526	(NA)	17,088	(NA)	(NA)	(NA)	(NA)
Depreciation charges	601	1,512	(NA)	1,719	(NA)	(NA)	(NA)	(NA)
Rental payments	74	184	(NA)	203	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Source: Dataquest Inc., San Jose, CA, unpublished data. Revenue from shipments by all companies into Canada and the United States. [2] Capital expenditures by all companies in Canada and the United States. [3] Imports for consumption. Includes imports not shown separately. [4] Includes items not shown separately. [5] N.e.c.=Not elsewhere classified.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-36Q; *U.S. Imports, FT 210, 1980-1988: Import CD-ROM Disc 1989;* and *Annual Survey of Manufactures.*

No. 1283. Machine Tool Orders and Shipments: 1970 to 1992

[**In millions of dollars.** These data represent total industry volume based on reports from over 200 manufacturers]

YEAR	METAL CUTTING TYPE TOOLS					METAL FORMING TYPE TOOLS				
	New orders (net)		Shipments		Order backlog, end of period	New orders (net)		Shipments		Order backlog, end of period
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
1970	651	507	993	827	471	261	227	450	412	235
1971	609	524	672	554	408	252	223	326	286	162
1972	1,009	877	714	627	702	403	368	304	267	260
1973	1,825	1,550	1,074	935	1,454	787	717	427	388	621
1974	2,017	1,716	1,445	1,241	2,025	566	470	585	522	600
1975	916	781	1,879	1,548	1,062	361	284	573	485	388
1976	1,662	1,477	1,482	1,270	1,243	541	485	578	474	351
1977	2,202	1,981	1,651	1,470	1,794	793	729	630	560	515
1978	3,373	3,043	2,189	1,960	2,981	973	901	825	729	663
1979	4,495	3,866	2,930	2,606	4,546	1,126	991	947	860	843
1980	3,885	3,496	3,681	3,206	4,750	870	744	1,011	879	701
1981	2,228	1,946	4,105	3,552	2,873	717	617	991	824	427
1982	1,064	890	2,895	2,599	1,043	433	372	710	600	151
1983	1,152	1,069	1,372	1,200	823	545	489	474	430	222
1984	1,916	1,700	1,607	1,484	1,132	1,000	932	679	609	542
1985	1,853	1,652	1,742	1,549	1,243	675	610	803	743	414
1986	1,544	1,377	1,890	1,685	897	581	507	688	621	307
1987	1,451	1,294	1,677	1,499	672	667	536	647	538	327
1988	2,708	2,316	1,575	1,400	1,806	883	749	825	702	386
1989	1,977	1,723	2,359	2,059	1,423	832	719	837	704	380
1990	2,070	1,772	2,330	2,004	1,164	894	761	970	851	304
1991	1,894	1,549	1,872	1,595	1,186	748	546	802	625	251
1992	1,756	1,532	1,918	1,606	1,025	726	609	678	547	299

Source: NMTBA-The Association For Manufacturing Technology, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business Statistics, 1979,* for 1970-78; thereafter, *Survey of Current Business,* monthly.

No. 1284. Manufacturers' Shipments, Inventories, and Orders: 1950 to 1992

[**In billions of dollars, except ratio.** See also *Historical Statistics, Colonial Times to 1970,* series P 74-92]

YEAR	Shipments, total	Inventories, total (Dec. 31) [1]	Ratio of inventories to shipments [2]	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31) [1]	Ratio of inventories to shipments [2]	New orders, total	Unfilled orders, total (Dec. 31)
1950	224	32	1.41	242	41	1972	756	108	1.58	770	120
1951	261	39	1.78	287	67	1973	875	124	1.63	913	158
1952	270	42	1.71	279	76	1974	1,018	158	1.86	1,047	187
1953	298	44	1.90	283	60						
1954	280	42	1.71	268	48	1975	1,039	160	1.77	1,023'	171
						1976	1,186	175	1.66	1,194	180
1955	318	45	1.63	330	60	1977	1,358	188	1.58	1,381	202
1956	333	51	1.74	340	68	1978	1,523	209	1.55	1,580	259
1957	345	52	1.90	331	53	1979	1,727	239	1.61	1,771	303
1958	327	50	1.75	324	47						
1959	363	53	1.68	369	52	1980	1,853	262	1.61	1,876	326
						1981	2,018	280	1.74	2,015	323
1960	371	54	1.79	363	45	1982	1,960	307	1.91	1,947	309
1961	371	55	1.67	373	47	1983	2,071	308	1.80	2,105	343
1962	400	58	1.76	401	48	1984	2,288	334	1.78	2,315	370
1963	421	60	1.66	426	53						
1964	448	63	1.62	460	65	1985	2,334	330	1.72	2,348	384
						1986	2,336	318	1.66	2,342	390
1965	492	68	1.58	505	79	1987	2,475	333	1.64	2,513	427
1966	538	78	1.70	557	97	1988	2,682	361	1.64	2,724	469
1967	558	84	1.71	565	104	1989	2,793	380	1.66	2,831	507
1968	603	90	1.76	608	110	1990	2,874	392	1.66	2,885	519
1969	642	98	1.81	647	115	1991	2,822	380	1.64	2,805	502
1970	634	101	1.91	625	106	1992	2,929	373	1.55	2,897	470
1971	671	102	1.76	672	107						

[1] Beginning in 1982, inventories are stated at current cost and are not comparable to the book value estimates for prior years. [2] Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1982-1991,* series M3; and monthly press releases.

No. 1285. Value of Manufactures Shipments and Inventories—Selected Industries: 1980 to 1992

[In billions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series P 74-79]

SIC [1] code	INDUSTRY	1980	1985	1988	1989	1990	1991	1992
(X)	**Shipments, total**	**1,852.7**	**2,334.5**	**2,682.5**	**2,792.7**	**2,873.5**	**2,821.7**	**2,929.3**
(X)	Durable goods industries [2]	929.0	1215.4	1415.9	1460.4	1468.6	1422.6	1498.3
32	Stone, clay, and glass products	44.5	55.8	63.1	63.6	63.5	57.1	63.2
33	Primary metals	134.1	112.3	149.1	153.0	146.1	130.0	132.3
34	Fabricated metal products	116.1	143.3	158.8	162.2	163.1	156.9	160.3
35	Industrial machinery and equipment	180.6	218.4	243.3	253.6	256.3	242.8	252.9
351	Engines and turbines	13.7	15.1	16.2	16.9	16.6	18.5	18.8
353	Construction, mining [3]	33.6	27.6	27.7	29.5	30.7	30.0	27.8
357	Computer and office equipment	30.4	60.4	67.6	65.4	64.1	62.6	71.1
36	Electronic and other	112.9	164.0	186.9	192.3	194.8	199.5	212.1
361-2	Elec. transmission and distrib.	20.1	23.8	25.9	27.4	27.9	27.3	28.1
363	Household appliances	12.9	16.1	17.3	18.3	18.0	18.3	18.9
365	Household audio and	8.5	11.5	8.4	9.1	9.3	10.8	12.3
366	Communications equipment	21.3	35.4	36.1	35.1	38.5	41.2	46.9
367	Electronic components	26.7	42.2	57.0	59.9	60.8	62.0	65.5
37	Transportation equipment [2]	186.5	307.4	354.0	366.0	367.9	363.2	390.4
371	Motor vehicles and parts	104.6	193.4	221.6	225.6	215.0	206.4	236.3
372, 6	Aircraft, missiles, and parts	58.5	91.3	107.7	113.5	125.2	129.7	126.1
38	Instruments and related products [2]	59.8	96.2	114.5	118.5	123.8	123.9	123.3
382	Measuring and controlling devices	15.7	25.9	28.8	29.6	31.5	30.8	31.8
(X)	Nondurable goods industries [2]	923.7	1119.1	1266.6	1332.3	1404.9	1399.1	1431.0
20	Food and kindred products [2]	256.2	308.6	351.5	364.4	384.0	387.0	394.3
208	Beverages	33.0	43.7	49.7	50.1	52.2	53.6	56.0
21	Tobacco products	12.2	18.6	23.8	25.8	29.9	32.3	33.3
22	Textile mill products	47.3	54.6	64.8	67.3	66.0	67.8	72.5
26	Paper and allied products [2]	72.6	94.7	122.6	131.4	131.4	124.4	125.6
261-3,6	Paper, pulp, paperboard mill products	31.5	39.1	54.9	58.1	57.5	53.5	53.3
265	Paperboard containers and boxes	17.2	23.2	28.2	30.5	30.5	28.7	30.1
28	Chemicals and allied products [2]	168.2	204.8	259.7	278.1	288.2	289.0	296.8
281,2,6,8,9	Industrial chemicals	101.7	114.7	145.5	156.2	157.3	152.4	154.3
283-4	Drugs, soaps, toiletries	41.9	61.3	81.8	88.0	95.2	101.9	109.0
29	Petroleum and coal products	193.0	176.6	131.4	143.7	172.6	160.4	158.0
30	Rubber and plastics products	49.2	75.6	94.2	98.4	101.4	103.6	106.7
(X)	**Inventories, total (Dec. 31)**	**261.7**	**329.6**	**361.5**	**380.5**	**392.5**	**379.9**	**373.0**
(X)	Durable goods industries [2]	171.9	214.0	236.5	250.7	254.5	241.9	230.5
32	Stone, clay, and glass products	5.5	6.9	7.4	7.7	8.1	7.9	7.7
33	Primary metals	23.1	19.8	22.3	22.5	22.3	20.3	19.4
34	Fabricated metal products	19.2	22.5	24.4	24.7	24.1	22.3	22.4
35	Industrial machinery and equipment	40.3	45.6	46.5	48.7	48.0	45.3	43.1
351	Engines and turbines	2.6	2.7	3.1	3.0	3.2	3.3	3.3
353	Construction, mining [3]	9.2	7.8	6.6	6.6	6.7	6.3	5.8
357	Computer and office equipment	8.0	11.5	11.2	11.6	10.4	9.4	8.9
36	Electronic and other	21.3	29.8	30.7	32.2	31.7	30.1	29.8
361-2	Elec. transmission and distrib.	3.9	4.7	4.7	4.7	4.7	4.2	4.0
363	Household appliances	1.8	2.5	2.7	3.0	2.8	2.5	2.3
365	Household audio and	1.3	1.3	1.0	1.1	1.1	1.1	1.1
366	Communications equipment	5.0	8.0	6.6	7.0	7.1	7.2	7.5
367	Electronic components	5.2	7.5	9.0	9.6	9.5	8.8	8.7
37	Transportation equipment [2]	35.3	51.5	61.4	70.5	75.0	72.6	65.7
371	Motor vehicles and parts	9.6	11.8	12.1	11.8	13.0	12.8	11.5
372, 6	Aircraft, missiles, and parts	21.7	36.2	45.4	54.5	57.6	55.6	50.0
38	Instruments and related products [2]	12.9	21.0	24.3	24.7	24.8	23.8	22.6
382	Measuring and controlling devices	4.2	6.2	6.6	6.9	7.0	6.6	6.5
(X)	Nondurable goods industries [2]	89.8	115.6	125.0	129.7	138.0	138.0	142.5
20	Food and kindred products [2]	22.4	24.4	27.4	27.7	29.4	30.6	30.8
208	Beverages	3.8	4.7	4.9	4.9	5.1	5.5	5.6
21	Tobacco products	3.9	6.3	5.5	5.7	6.1	6.6	7.0
22	Textile mill products	6.5	7.2	8.1	8.3	8.4	8.2	8.7
26	Paper and allied products [2]	7.7	10.1	12.4	13.2	13.4	13.5	13.3
261-3,6	Paper, pulp, paperboard mill products	2.9	3.8	4.4	4.9	5.2	5.5	5.5
265	Paperboard containers and boxes	1.9	2.5	3.3	3.5	3.3	3.3	3.3
28	Chemicals and allied products [2]	19.9	26.0	29.4	30.8	33.2	33.9	35.4
281,2,6,8,9	Industrial chemicals	10.7	14.0	15.3	16.1	17.6	17.4	17.6
283-4	Drugs, soaps, toiletries	5.9	7.8	9.9	10.3	11.0	11.7	13.0
29	Petroleum and coal products	9.6	13.7	9.0	10.4	13.1	11.2	11.1
30	Rubber and plastics products	6.3	9.1	11.1	11.4	11.8	11.1	11.6

X Not applicable. [1] Standard Industrial Classification. [2] Includes industries not shown separately. [3] Also includes material handling industries.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders: 1982-1991*, series M3-1.86 M3-1(88), and monthly press releases.

No. 1286. Fiber, Rugs, Carpeting, and Sheets—Quantity and Value: 1985 to 1991

ITEM	Unit	1985	1986	1987	1988	1989	1990	1991
All fibers [1]	Mil. lbs.	(NA)	677	720	730	743	812	837
Raw wool [2 3]	Mil. lbs.	(NA)	137	143	133	135	133	152
Noils, and fiber [4]	Mil. lbs.	(NA)	35	30	24	24	20	21
Other fibers	Mil. lbs.	(NA)	505	548	573	584	659	664
Knit fabric production	Mil. lbs.	1,496	1,757	1,737	1,662	1,935	1,901	1,948
Rugs, carpet and carpeting	Mil. dol.	6,605.7	7,311.6	7,929.1	8,417.3	8,431.1	8,527.1	7,937.1
Sheets	1,000 doz	15,491	15,053	15,361	15,505	15,663	15,408	14,001
Pillow cases	1,000 doz	13,174	12,372	12,627	12,564	13,089	12,665	11,301
Terry towels	1,000 doz	44,974	50,182	52,425	47,179	62,741	42,376	43,158

NA Not available. [1] Includes man-made fiber top converted from tow without combing. A number of companies were added for 1990 based on information in the 1987 Census of Manufactures. Data were received from these companies for 1990; therefore, the information shown for years prior to 1990 may not be directly comparable. These changes represent approximately 20 percent of the total fibers consumed on the woolen system and worsted combing. [2] Data are shown on a scoured basis for greasy wool. [3] Shorn and pulled wool of sheep excludes raw wool consumed in cotton system spinning to avoid disclosing figures for individual companies. [4] Includes reprocessed and reused wool, mohair, alpaca, vicuna, and other specialty fibers as well as tops and noils consumed in woolen spinning and mohair consumed in worsted combing. Does not include wool tops consumed in cotton system spinning.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA22K, MA22Q, and MQ23X, annual.

No. 1287. Glass Containers, Clay Construction Products, and Refractories—Value of Shipments: 1985 to 1991

[In millions of dollars]

ITEM	1985	1986	1987	1988	1989	1990	1991
Glass container shipments	(NA)	(NA)	(NA)	1,484.9	1,543.2	1,471.4	1,372.2
Brick shipments [1]	(NA)	(NA)	(NA)	(NA)	1,087.7	1,014.0	803.0
Clay tile shipments [2]	(NA)	(NA)	(NA)	(NA)	697.8	686.5	581.8
Clay pipe and fittings shipments [3]	(NA)	(NA)	(NA)	(NA)	63.0	60.2	45.4
Refractory shipments	1,581.7	1,521.3	1,682.3	1,950.0	2,010.9	2,002.8	1,891.0
Clay	694.4	670.0	739.8	813.7	823.3	771.3	754.8
Nonclay	887.3	851.3	942.6	1,136.3	1,187.7	1,231.5	1,136.2

NA Not available. [1] Building or common and face bricks. [2] Floor and wall tile including quarry tile. [3] Vitrified sewer pipe and fittings.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, M32G, MQ32D, and MA32C, annual.

No. 1288. Mining and Mineral Processing Equipment Shipments—Quantity and Value: 1990 and 1991

Product code	PRODUCT	Number of companies	QUANTITY (units)		VALUE ($1,000)	
			1990	1991	1990	1991
3531K	Portable crushing, screening, washing, and combination plants	15	789	470	85,078	63,694
35325	Underground mining machinery [1]	27	2,060	1,879	381,819	318,757
35326	Mineral processing and beneficiation equip. [1]	36	5,986	5,413	90,151	86,628
35327	Crushing, pulverizing, and screening machinery [1 2]	42	2,868	2,542	160,289	132,073
35328	Drills, mining machinery, n.e.c. [1 3]	22	15,789	15,346	182,707	176,932
3533A	Portable drilling rigs and parts	23	(X)	(X)	295,253	252,791

X Not applicable. [1] Excludes parts. [2] Excludes portables. [3] n.e.c. — Not Elsewhere Classified.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA35F, annual.

No. 1289. Inorganic Materials and Pharmaceutical Preparations: 1988 to 1991

Product code	ITEM	Unit	1988	1989	1990	1991
	INORGANIC FERTILIZERS					
28731 31	Ammonia, synthetic anhydrous:					
	Total production	1,000 sh. tons	16,821	16,467	17,003	17,167
	Shipments	1,000 sh. tons	9,630	9,599	10,382	10,085
	Shipments value	Mil. dol.	1,011	1,010	1,072	1,036
28731 50	Ammonium nitrate, original solution:					
	Total production	1,000 sh. tons	7,504	7,871	7,714	7,776
28731 57	Ammonium sulfate:					
	Total production	1,000 sh. tons	2,333	2,384	2,519	2,243
	Shipments	1,000 sh. tons	2,307	2,282	2,529	2,251
	Shipments value	Mil. dol.	141	142	130	130
28732	Urea (100%):					
	Total production	1,000 sh. tons	7,914	8,004	8,217	8,133
	Shipments	1,000 sh. tons	5,080	5,231	5,362	5,432
	Shipments value	Mil. dol.	620	625	640	723
28731 11	Nitric acid (100%):					
	Total production	1,000 sh. tons	7,991	8,349	7,931	7,925
	Shipments	1,000 sh. tons	696	743	647	622
	Shipments value	Mil. dol.	76	85	81	80
28741 81	Phosphoric acid (100% P2O5):					
28741 85	Total production	1,000 sh. tons	11,659	11,736	12,035	12,056
	Shipments	1,000 sh. tons	4,212	4,307	4,170	4,352
	Shipments value	Mil. dol.	1,291	1,300	1,226	1,220
28193	Sulfuric acid, gross (100%):					
	Total production	1,000 sh. tons	42,580	43,301	44,337	43,350
	Shipments	1,000 sh. tons	11,574	11,842	11,879	11,603
	Shipments value	Mil. dol.	619	638	589	583
28742	Superphosphates and other fertilizer materials (100% P2O5):					
	Total production	1,000 sh. tons	7,968	8,362	8,982	8,906
	Shipments	1,000 sh. tons	7,813	8,247	9,016	8,899
	Shipments value	Mil. dol.	2,553	2,449	2,711	2,811
T128A	INORGANIC CHEMICAL SHIPMENTS					
2812	Alkalies and chlorine	Mil. dol.	2,590.4	2,989.2	3,187.0	2,930.3
28121	Chlorine (100% Cl)	Mil. dol.	755.1	652.8	477.9	240.6
28123	Sodium hydroxide (caustic soda)	Mil. dol.	1,529.0	1,989.5	2,340.8	2,309.3
28125	Other alkalies	Mil. dol.	300.3	340.1	361.0	373.5
28120 00	Alkalies and chlorine n.s.k.	Mil. dol.	5.9	6.9	7.3	6.8
2816	Inorganic color pigments	Mil. dol.	1,783.0	2,195.4	2,260.9	2,064.6
28161 00	Titanium dioxide (composite and pure) (commodity weight)	Mil. dol.	1,669.9	2,059.2	2,131.2	1,948.7
2819	Inorganic chemicals n.e.c.	Mil. dol.	11,806.3	12,408.1	13,612.0	12,694.3
28193	Sulfuric acid, gross (new and fortified)	Mil. dol.	618.6	638.1	589.4	583.2
28194	Inorganic acids, except nitric, phosphoric and sulfuric	Mil. dol.	563.3	587.7	603.2	568.1
28195	Aluminum oxide, except natural alumina	Mil. dol.	838.5	1,214.8	1,498.5	1,080.7
28196	Aluminum compounds	Mil. dol.	487.9	577.3	665.2	643.7
28197	Potassium and sodium compounds (except bleaches, alkalies, and alums)	Mil. dol.	1,868.2	1,940.8	1,956.3	1,849.4
28198	Chemical catalytic preparations	Mil. dol.	1,093.6	1,225.2	1,221.0	1,225.8
28199	Other inorganic chemicals n.e.c.	Mil. dol.	6,140.4	6,018.4	6,846.4	6,513.7
28190 00	Industrial inorganic chemicals n.s.k.	Mil. dol.	195.8	205.7	232.0	229.6
28422 00	Household bleaching compounds	Mil. dol.	713.2	723.0	724.0	823.6
	PHARMACEUTICAL PREP. SHIPMENTS					
	Pharmaceutical preparations:					
28341	Affecting neoplasms, endocrine systems, and metabolic disease	Mil. dol.	2,071.2	2,507.4	2,743.2	3,340.8
28342	Acting on the central nervous system and sense organs	Mil. dol.	6,172.7	6,441.3	7,218.5	7,820.3
28343	Acting on the cardiovascular system	Mil. dol.	4,449.9	4,874.9	4,814.6	5,009.3
28344	Acting on the respiratory system	Mil. dol.	3,224.0	3,286.2	3,724.1	3,757.8
28345	Acting on the digestive system	Mil. dol.	3,860.8	4,363.0	4,840.2	5,605.8
28346	Acting on the skin	Mil. dol.	1,388.5	1,451.7	1,558.0	1,621.4
28347	Vitamin, nutrient, and hematinic preps.	Mil. dol.	2,538.5	2,672.4	2,587.9	2,596.8
28348	Affecting parasitic and infective disease	Mil. dol.	4,593.6	4,936.2	5,411.0	5,731.0
28349	Pharmaceutical preps. for veterinary use	Mil. dol.	1,051.5	1,071.1	1,056.8	1,163.1

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA28B, MQ28A, and MA28G, annual.

No. 1290. Engines, Refrigeration and Heating Equipment, and Pumps and Compressors—Quantity and Value of Shipments: 1989 to 1991

Product codes	ITEM	Unit	1989	1990	1991
(X)	Internal combustion engines produced	1,000	16,343.2	16,968.6	15,109.7
35191	Gasoline (except outboard, aircraft, and auto)	1,000	15,646.8	16,325.5	14,537.9
35193	Nonautomotive diesel (except aircraft)	1,000	219.1	206.1	184.2
35194	Automotive diesel	1,000	472.9	432.9	383.2
35196	Natural gas and LPG	1,000	4.3	4.0	4.3
(X)	Air-conditioning; heating equip. shipments:				
35851	Heat transfer equipment	Mil. dol.	4,578.2	4,308.3	4,119.4
35852	Unitary air-conditioners	Mil. dol.	3,854.8	3,559.8	3,441.4
35854	Compressors and compressor units	Mil. dol.	2,482.4	2,376.6	2,321.6
3561,3 pt.	Pumps and compressors [1]	Mil. dol.	4,472.8	4,797.3	5,169.0
35611	Industrial pumps	Mil. dol.	2,023.9	2,131.2	2,284.5
35613	Domestic water systems	Mil. dol.	273.8	263.6	275.1
35615 pt.	Oil well, oilfield, and other pumps (including laboratory pumps)	Mil. dol.	488.2	563.4	590.8
35631	Compressors and vacuum pumps	Mil. dol.	1,686.8	1,839.1	2,018.6

X Not applicable. [1] Excludes hand pumps, automotive circulating pumps, compressors for icemaking and refrigeration equipment, air conditioning units, and replacements and repair parts for pumps and compressor.

No. 1291. Computers and Office and Accounting Machines—Quantity and Value of Shipments: 1990 and 1991

Product code	PRODUCT DESCRIPTION	Number of companies	QUANTITY (number)		VALUE (mil. dol.)	
			1990	1991	1990	1991
3571	Electronic computers, general purpose [1]	(X)	(X)	(X)	27,877	26,492
(X)	Digital processing units (retail price):					
35711 01	Less than $500	21	3,575,515	2,757,268	1,008	615
35711 02	$500 to $1,000	25	1,581,970	1,500,493	1,863	1,402
35711 03	$1,000 to $2,500	48	1,070,966	1,713,967	2,143	2,929
35711 04	$2,500 to $5,000	46	1,238,092	1,290,116	3,677	4,302
35711 05	$5,000 to $15,000	56	690,065	505,539	4,929	3,399
35711 06	$15,000 to $50,000	51	91,707	139,082	2,059	2,632
35711 07	$50,000 to $250,000	46	30,409	24,995	3,021	2,265
35711 08	$250,000 to $1 million	23	3,369	4,177	820	747
35711 09	Over $1 million	9	1,355	2,002	2,951	2,814
3572	Computer storage devices	(X)	(X)	(X)	8,443	6,551
3575	Computer terminals	(X)	(X)	(X)	2,430	2,232
3578	Calculating & accounting mach. (incl. pts.)	(X)	(X)	(X)	1,176	1,037
3695	Magnetic; optical recording media (incl. pts.)	58	(X	(X)	3,965	4,028

X Not applicable. [1] Automatic data processors including parts.

No. 1292. Metalworking Machinery—Value of Shipments, by Class of Product: 1985 to 1991

[In millions of dollars]

Product code	PRODUCT DESCRIPTION	1985	1986	1987	1988	1989	1990	1991
(X)	Metalworking machinery	2,682.2	2,709.8	2,668.7	2,858.2	3,514.2	3,436.1	3,239.3
(X)	Metal cutting type	1,877.3	1,911.6	1,780.7	1,734.8	2,428.5	2,371.3	2,282.0
3541A [1]	Machining centers [2]	214.7	213.4	217.8	334.5	442.2	437.0	379.7
3541B [1]	Station type machines	406.1	517.7	299.6	225.4	562.9	502.1	450.4
3541C [1]	Other metal cutting machine tools [3]	161.5	148.4	173.9	165.4	173.7	141.9	151.0
(X)	Metal forming type	804.9	798.2	887.9	1,123.4	1,085.7	1,064.8	957.3

X Not applicable. [1] Beginning with the 1982 Census of Manufactures, product class 35417 became 3541A, 3541B, and 3541C. [2] Multi-function numerically controlled machines. [3] Excludes those designed primarily for home workshops, labs, etc.

Source of tables 1290-1292: U.S. Bureau of the Census, *Current Industrial Reports,* M35L, MA35M, MA35P, MA35R, and MQ35W annual.

No. 1293. Switchgear, Switchboard Apparatus, Relays, and Industrial Controls—Value of Shipments: 1985 to 1991

[In millions of dollars]

Product code	PRODUCT DESCRIPTION	Number of companies	1985	1987	1988	1989	1990	1991
36132	Power circuit breakers	22	378	373	386	393	388	367
36133	Low volt panelboards & dist. boards [1]	122	1,607	1,569	1,664	1,747	1,722	1,562
36134	Fuses and fuse equipment [2]	22	369	368	390	419	419	409
36135	Molded case circuit breakers; 1,000 volts and under	31	935	879	948	952	959	917
36136	Duct [3]	22	148	132	152	188	194	172
36139	Switchgear, except ducts	95	988	1,049	1,100	1,319	1,324	1,333
36251	General purpose and other relays	115	634	889	873	835	805	783
36252	Specific purpose industrial controls	199	1,747	1,732	1,808	1,928	2,020	1,878
36253	General purpose industrial controls	249	2,191	2,403	2,655	2,971	2,912	2,930
36254	Motor controller accessories [4]	126	381	429	459	503	452	431

[1] Includes other switching and interruption devices, 1,000 volts and below. [2] Under 2,300 volts, except power distribution cutouts. [3] Includes plug-in units and accessories, 1,000 volts and under, consisting of enclosed sectionalized prefabricated bus bars rated 20 amperes or more, associated structures and fittings. [4] Includes parts for industrial controls.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA36A, annual

No. 1294. Selected Industrial Air Pollution Control Equipment—Quantity and Value: 1991

[Quantity in number of units, value in millions of dollars]

Product code	PRODUCT DESCRIPTION	Number of companies	NEW ORDERS		SHIPMENTS		BACKLOG (Dec. 31)	
			Quantity	Value	Quantity	Value	Quantity	Value
35646	Selected industrial air pollution control equip.	108	(X)	990.8	(X)	936.7	(X)	675.0
(X)	Particulate emissions collectors	(X)	(X)	541.5	(X)	519.4	(X)	286.9
35646 51	Electrostatic precipitators	17	177	193.7	172	148.7	88	163.4
35646 54	Fabric filters	54	35,157	226.1	40,279	250.6	4,134	69.1
35646 55	Mechanical collectors	36	4,137	62.3	5,899	66.5	623	21.9
35646 58	Wet scrubbers	36	1,175	59.3	1,222	53.7	545	32.5
(X)	Gaseous emissions control devices	(X)	(X)	255.3	(X)	226.9	(X)	327.2
35646 70	Catalytic oxidation systems	7	143	18.4	111	14.8	45	7.5
35646 72	Thermal and direct oxidation systems	11	256	22.1	313	29.2	57	10.2
35646 73	Scrubbers (gas absorber)	12	556	14.1	589	18.4	90	8.4
35646 75	Dry flue gas desulfurization systems	5	33	179.0	26	139.0	34	274.0
35646 76	Gas absorbers	9	54	21.7	61	25.6	17	27.1
35646 79	Other types of industrial air pollution control equip.	21	(X)	194.0	(X)	190.4	(X)	60.9

X Not applicable.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA35J, annual.

No. 1295. Fluid Power Products—Value of Shipments: 1985 to 1991

[In millions of dollars. Includes aerospace]

Product code	PRODUCT DESCRIPTION	1985	1987	1988	1989	1990	1991
(X)	Fluid power products, incl. aerospace	4,916.2	6,165.7	6,784.5	6,914.8	7,207.2	6,538.3
34921	Hydraulic valves, nonaerospace type	498.8	553.6	615.4	628.8	663.1	607.9
34922	Pneumatic valves, nonaerospace type	405.6	391.6	444.8	462.9	458.3	448.1
34923	Aerospace type hydraulic & pneumatic valves	255.5	387.3	400.1	450.8	498.3	469.3
34924	Fittings for metal and plastic tubing [1]	384.2	398.3	459.7	504.7	499.9	474.9
34925	Hydraulic and pneumatic fittings and couplings for hose (nonaerospace)	439.8	605.4	649.3	625.0	620.2	568.0
34926	Hydraulic and pneumatic hose or tube end fitting and assemblies (aerospace)	154.8	249.7	326.8	335.5	393.7	385.9
34927	Parts for hydraulic & pneumatic valves	123.7	183.3	218.9	205.8	208.5	163.7
35692	Filters for hydraulic and pneumatic fluid power systems	281.5	284.4	310.3	352.2	385.4	411.3
	Hydraulic and pneumatic cylinders etc.:						
35931	Nonaerospace	625.4	793.6	906.6	908.6	940.7	859.0
35932	Aerospace	480.0	637.3	635.8	646.4	636.3	503.3
(X)	Parts for hydraulic and pneumatic cylinders [2]	154.9	288.6	290.9	280.5	264.2	181.2
35941	Hydraulic fluid power pumps and motors	905.5	1,052.0	1,177.5	1,180.4	1,240.1	1,094.5
35942	Parts for pumps and motors	206.5	340.4	348.4	333.1	398.6	371.3

X Not applicable. [1] Used in fluid and power transfer systems (nonaerospace). [2] Includes parts for actuators, accumulators, cushions, and nonvehicular shock absorbers.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA35N, annual.

No. 1296. Selected Instruments and Related Products—Value of Shipments: 1985 to 1991

[In millions of dollars]

Products code	PRODUCT DESCRIPTION	1985	1986	1987	1988	1989	1990	1991
34918	Automatic regulating and control valves	1,324	1,302	1,221	1,262	1,331	1,418	1,527
34919	Solenoid-operated valves (except nuclear and fluid power transfer)	280	285	327	338	374	346	341
38121	Aeronautical, nautical, and navigational instruments	1,592	1,789	2,270	2,365	2,521	2,518	2,657
38122	Search & detection, navigation & guidance systems and equipment	27,057	29,504	30,911	31,145	30,840	32,420	31,763
38210	Laboratory apparatus and laboratory furniture [1]	1,138	1,330	1,549	1,565	1,698	1,675	1,724
38220	Controls for monitoring residential and commercial environments and appliance regulating controls	1,926	1,966	2,093	2,207	2,224	1,982	1,981
38230	Process control instruments	3,963	3,895	4,084	4,348	4,743	5,224	4,816
38242	Integrating and totalizing meters for gas and liquids	549	526	589	610	647	725	708
38243	Counting devices	175	177	198	193	206	210	201
38244	Motor vehicle instruments [2]	(NA)	197	232	682	637	1,457	1,325
38251	Integrating instruments, electrical	403	403	401	388	401	396	359
38252	Test equipment for testing electrical, radio and communication circuits, and motors	5,699	5,592	6,144	6,248	6,134	6,156	6,048
38253	Instruments to measure electricity	603	617	647	663	620	586	558
38260	Analytical, scientific instruments (except optical)	2,716	2,532	3,046	3,442	4,042	4,412	4,419
38271	Sighting, tracking, and fire-control equipment, optical type	556	651	726	609	595	581	547
38272	Binoculars and astronomical instruments [3]	([3])	25	35	63	86	80	67
38273	Other optical instruments and lenses (except sighting, tracking, and fire control) [3]	1,346	1,221	1,180	1,207	1,188	1,172	1,137
38291	Aircraft engine instruments (except flight)	393	505	520	505	508	579	583
38292	Physical properties and kinematic testing equip.	661	775	859	894	946	1,012	1,024
38294	Nuclear radiation detection and monitoring instruments	542	587	637	654	606	567	583
38295	Commercial, geophysical, meteorological, and general purpose instruments	354	317	358	1,072	1,035	1,140	1,293
38296	Surveying and drafting instruments	380	230	247	270	270	274	243

NA Not available. [1] Starting in 1987, product class 38210 (formerly 38112) includes laboratory furniture. Prior to 1987, laboratory furniture had been included in product class 38296 (formerly 38113). [2] The revision beginning 1990 is due to the classification of products in product code 38244 60. Previously, a large part of these data were collected in product class 37149. [3] Prior to 1987, "binoculars and astronomical instruments," and "other instruments and lenses" were combined under product class 38325. In 1987, these were separated into two distinct product classes, 38272 and 38273.

Source: U.S. Bureau of the Census, *Current Industrial Reports, MA38B*, annual.

No. 1297. Robots—Units Shipped and Value: 1985 to 1989

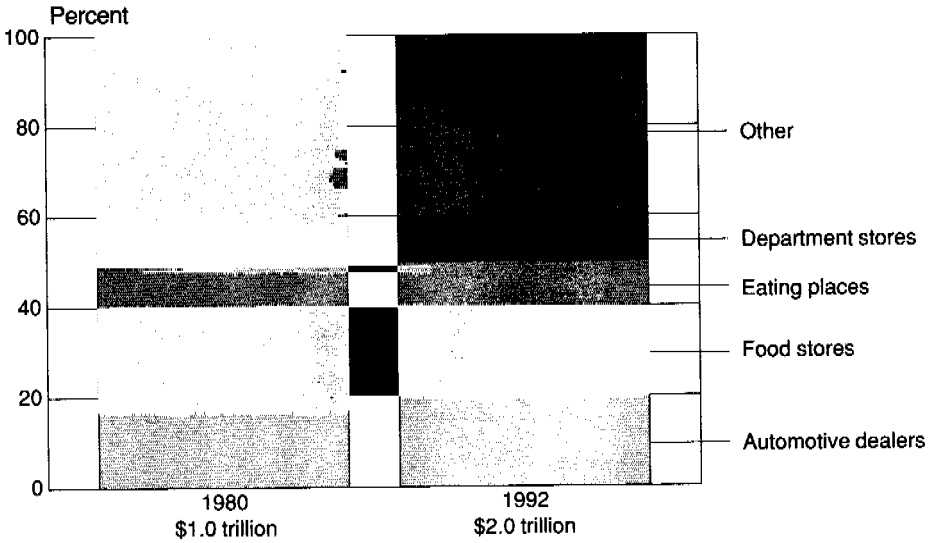
[Based on a survey of all known manufacturers of robots, robot accessories, and components. Shipment value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. A robot is a reprogrammable multifunctional manipulator designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks]

ROBOTS, ACCESSORIES, AND COMPONENTS	UNITS SHIPPED (number)			VALUE OF SHIPMENTS (mil. dol.)		
	1985	1988	1989	1985	1988	1989
Robots, robot accessories, and components	**(X)**	**(X)**	**(X)**	**345.2**	**238.0**	**256.0**
Robots, complete	5,466	4,603	2,217	275.7	164.1	150.6
Servo-controlled robots	2,978	2,072	1,840	254.9	137.7	135.7
Point-to-point type:						
Welding, soldering, brazing, and/or cutting (welding type)	839	304	273	74.6	32.3	29.3
Foundry, forging, and/or heat treating [1]	65	31	34	4.5	3.2	9.3
Assembly for nonelectronic and electronic products	547	296	238	17.8	8.0	8.1
Material handling and/or parts transfer	463	247	162	44.9	27.0	26.0
Continuous-path type:						
Welding, soldering, brazing, and/or cutting	287	79	31	22.4	3.7	2.2
Spraying, painting, gluing, and/or sealing	339	292	254	41.4	30.1	35.1
Fettling, grinding, polishing, and/or deburring [2]	438	823	848	49.4	33.4	25.6
Nonservo-controlled robots	460	336	377	18.0	17.1	14.9
Other robots	2,028	2,195	([3])	2.8	9.3	([3])
Robot accessories, subassemblies, etc	(X)	(X)	(X)	69.5	73.9	105.4
Miscellaneous receipts	(X)	(X)	(X)	9.2	5.8	2.5

X Not applicable. [1] Includes all point-to-point robots, except assembly, material handling, and/or parts transfer. [2] Includes other continuous-path type, not elsewhere classified. [3] Beginning in 1989, other robots which included educational, hobby, experimental, and nonindustrial robots are no longer collected in this survey.

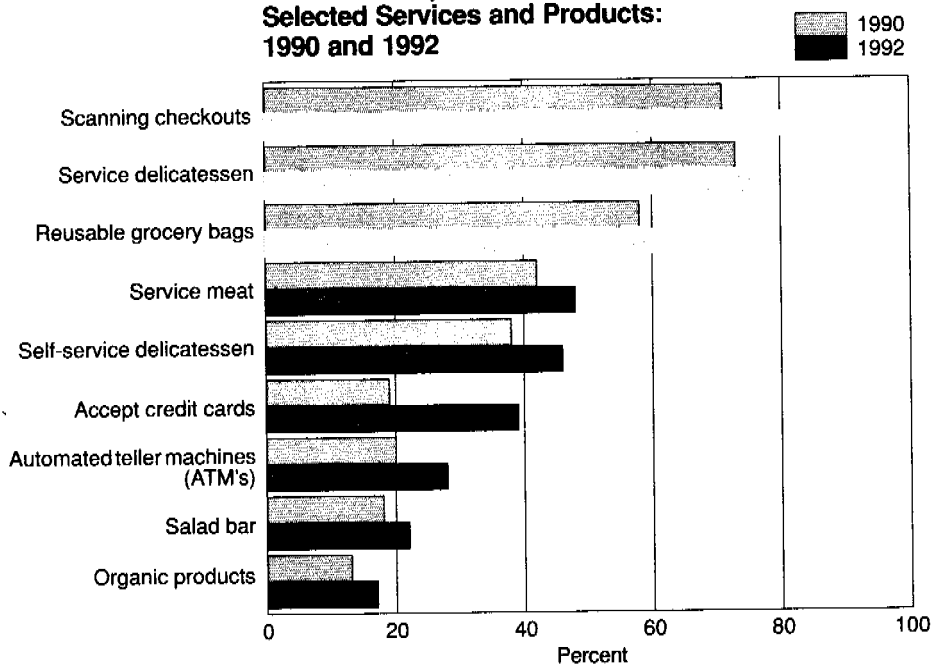
Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA35X(88-1).

Figure 28.1
Distribution of Retail Sales, by Kind of Business: 1980 and 1992



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1303.

Figure 28.2
Percent of Supermarkets Offering Selected Services and Products: 1990 and 1992



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1308.

Domestic Trade and Services

This section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses. The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on gross product in trade and service industries usually appear in the *Survey of Current Business*, issued by the U.S. Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

In Brief

Retail sales, 1992:

Total	*$2.0 trillion*
Automotive dealers	*$.4 trillion*
Food stores	*$.4 trillion*

Annual receipts of taxable service firms ($ billions):

	1985	1991
Business services	*156*	*282*
Health services	*147*	*261*

Censuses.—Censuses of retail trade and wholesale trade have been taken at various intervals since 1929. Limited coverage of the service industries started in 1933. Beginning with the 1967 census, legislation provides for a census of each area to be conducted every 5 years (for years ending in "2" and "7"). The industries covered in the censuses and surveys of business are those classified in three divisions defined in the *Standard Industrial Classification Manual* (see text, section 13). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade,* to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services,* to establishments primarily engaged in providing a wide range of services for individuals and for businesses.

Beginning with the 1954 Censuses of Retail Trade and Service Industries, data for nonemployer establishments are included and published separately. The census of wholesale trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded from sales (or receipt) figures of the three censuses. In 1982 and prior censuses, the count of establishments represented the number in business at the end of the year. For 1987, the count of establishments represents those in business at any time during 1987.

The 1987 Census of Service Industries includes hospitals whereas the 1982 census did not. For 1987, hospitals operated by governmental organizations are included. Government-operated facilities in other service kind-of-business classifications are excluded from the census. In 1982 and 1987, data were not collected for elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations.

The census of retail trade beginning in 1977, excludes nonemployer direct sellers. Beginning 1982, the census treated each leased department in a store as a separate establishment and classified it according to the kind of business it conducted. In prior years, data for leased departments were consolidated with the data for stores in which they were located.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trade and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, inventory/sales ratios, and sales of organizations operating 11 or more retail stores, for the United States, by kind of business. In addition, monthly retail sales data for census

regions and divisions, large States, metropolitan areas, and cities are included. Annual figures on sales, year-end inventories, and sales/inventory ratios, by kind of business, appear in the *Combined Annual and Revised Monthly Retail Trade Report.*

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—durable and nondurable—and selected kinds of business. Merchant wholesalers are those wholesalers who take title to the goods they sell (e.g., jobbers, exporters, importers, major distributors). These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report.* Annual figures on sales, sales-inventory ratios, and year-end inventories appear in the *Combined Annual and Revised Monthly Wholesale Trade Report.* The *Service Annual Survey* provides annual estimates of receipts for selected service kinds of business for the United States as a whole.

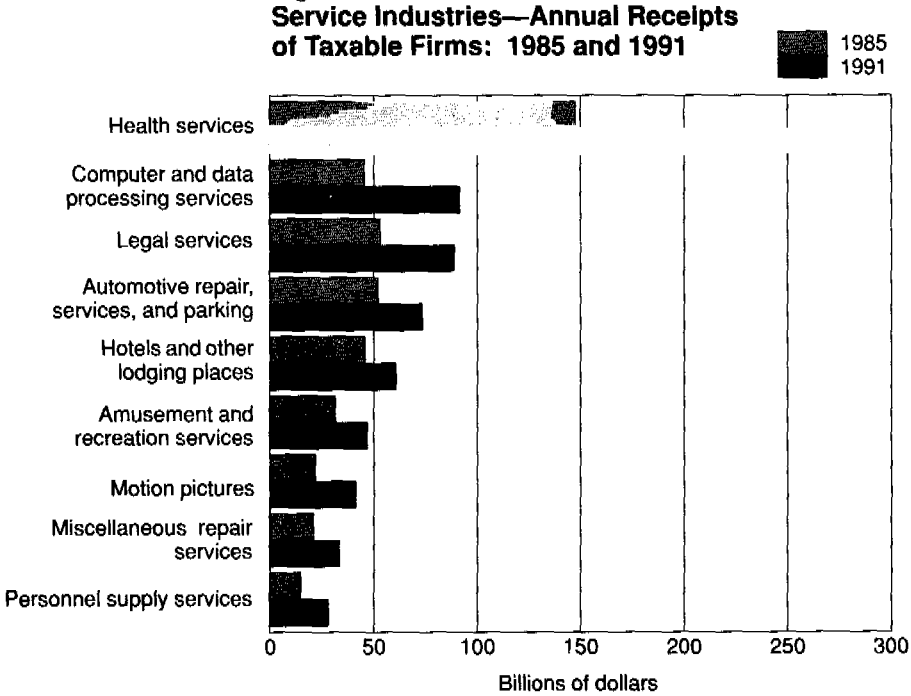
For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for sampling units not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970.* See Appendix IV.

Figure 28.3
Service Industries—Annual Receipts of Taxable Firms: 1985 and 1991



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1327.

No. 1298. Gross National Product in Domestic Trade and Service Industries in Current and Constant (1982) Dollars: 1980 to 1989

[**In billions of dollars, except percent.** For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	CURRENT DOLLARS				CONSTANT (1982) DOLLARS			
	1980	1985	1988	1989	1980	1985	1988	1989
Wholesale and retail trade	**438.8**	**658.2**	**777.3**	**825.4**	**481.8**	**621.5**	**689.8**	**716.6**
Percent of gross national product	16.1	16.4	15.9	15.9	15.1	17.2	17.2	17.4
Wholesale trade	193.9	280.8	317.4	339.5	200.1	267.1	290.6	304.7
Retail trade	245.0	377.4	459.9	486.0	281.7	354.4	399.2	412.0
Services	**374.0**	**648.1**	**885.2**	**970.5**	**450.9**	**538.6**	**623.3**	**652.3**
Percent of gross national product	13.7	16.1	18.2	18.7	14.1	14.9	15.5	15.8
Hotels and other lodging places	18.9	30.4	41.2	44.5	22.3	26.0	31.2	32.5
Personal services	18.8	29.7	38.5	43.0	22.3	25.2	28.6	30.3
Business services	68.8	145.8	202.1	222.9	83.9	120.8	147.7	158.7
Auto repair, services, and garages	21.1	33.2	40.5	43.6	24.8	28.7	28.3	28.8
Miscellaneous repair services	9.2	12.4	15.6	16.9	10.6	10.7	11.7	12.2
Motion pictures	5.0	9.0	13.5	14.7	5.7	7.5	9.5	9.8
Amusement and recreation services	12.4	19.9	27.4	29.8	13.4	17.5	21.8	22.8
Health services	108.1	184.6	250.3	273.3	133.8	148.6	161.1	164.4
Legal services	23.3	46.3	68.7	75.2	30.6	33.5	40.6	41.8
Educational services	16.0	25.8	32.5	35.5	18.9	22.1	23.3	24.1
Social services, membership organizations	26.3	38.3	51.2	56.0	30.2	33.3	39.0	40.9
Miscellaneous professional services	39.6	63.6	93.9	104.9	47.0	56.0	71.3	76.4
Private households	6.6	9.0	9.7	10.3	7.4	8.8	9.2	9.5

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January and April 1991.

No. 1299. Retail Trade—Summary: 1958 to 1987

[1972 through 1982 based on 1972 Standard Industrial Classification (SIC) code; 1987 based on 1987 SIC code. Prior years based on earlier editions of SIC. Comparability of data over time is affected by changes in the SIC code. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1958	1963	1967	1972	1977	1982	1987
Firms, total [1]	1,000	(NA)	1,532	1,577	1,665	1,567	1,573	1,992
Multiunit establishments [1,2]	1,000	[3]183	220	220	301	343	415	498
Establishments, total [1]	1,000	1,795	1,708	1,763	1,780	1,855	1,923	2,420
With payroll	1,000	1,185	1,206	1,192	1,265	1,304	1,324	1,504
With sales of $1,000,000 or more	1,000	(NA)	(NA)	(NA)	74	119	193	259
Consumer Price Index: [4]								
All items	1982-84=100	28.9	30.6	33.4	41.8	60.6	96.5	113.6
All commodities	1982-84=100	33.3	34.4	36.8	44.5	64.2	97.0	107.7
Sales	Bil. dol.	200	244	310	457	723	1,066	1,540
By establishments with payroll	Bil. dol.	188	233	295	440	700	1,039	1,493
By multiunit establishments [2]	Bil. dol.	[3]67	90	124	202	341	567	844
Percent of total sales	Percent	33.5	36.6	39.8	44.0	47.1	53.2	56.5
Percent of multiunit sales by 100-or-more establishment multiunits [2,5]	Percent	42.4	43.1	46.7	55.8	55.8	54.5	54.6
In 1982 dollars [6]	Bil. dol.	(NA)	645	764	943	1,054	1,066	1,393
Percent of sales by corporations	Percent	53.0	61.9	67.4	76.4	79.8	84.6	88.9
Per capita sales: [7]								
Current dollars	Dollars	1,156	1,296	1,571	2,186	3,291	4,599	6,328
Constant (1982) dollars [6]	Dollars	(NA)	3,423	3,869	4,508	4,798	4,599	5,722
Sales as percent of personal income	Percent	[3]55.5	52.4	49.3	48.1	46.9	41.5	40.9
Sales, inside metropolitan areas [8]	Bil. dol.	[3]133	170	221	(NA)	552	845	[9]1,230
Percent of total sales	Percent	66.4	69.5	71.4	(NA)	76.3	79.3	[9]82.4
Payroll, entire year	Bil. dol.	21.7	27.6	36.2	55.4	85.9	123.6	177.5
Percent of sales	Percent	[3]11.5	11.3	11.7	12.1	11.9	11.6	11.5
Paid employees, March 12 pay period [10]	1,000	7,942	8,410	9,381	11,211	13,040	14,468	17,780

NA Not available. [1] Through 1982, represents the number of establishments and firms in business at the end of the year. For 1987, represents the number of establishments and firms in business at any time during year. [2] Establishments operated by firms which operate at two or more locations. Beginning 1982, includes single units operated by multiunit establishments. 1972 and 1977 data revised since originally published. [3] Excludes Alaska and Hawaii. [4] Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. Beginning 1982, CPI-U annual averages, see text, section 14. [5] Prior to 1982, data provided for percent of multiunit sales by 101-or-more establishment units. [6] Based on implicit price deflators for retail sales supplied by U.S. Bureau of Economic Analysis. [7] Based on estimated resident population as of July 1. [8] Through 1982 based on Standard Metropolitan Statistical Area definitions. Data for 1987 based on Metropolitan Statistical Area definitions. See Appendix II. [9] Covers only establishments with payroll. [10] 1958 and 1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC72-S-1; *1977*, RC77-52; *1982*, RC82-A-52 and RC82-I-1; and *1987*, RC87-A-52, RC87-N-1, and RC87-S-1.

No. 1300. Retail Trade—Establishments, Employees, and Payroll: 1988 to 1990

[Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

1987 SIC code [1]	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)		PAYROLL (bil. dol.)	
		1988	1989	1990	1989	1990	1989	1990
(G)	**Retail trade, total**	**1,472.9**	**1,495.0**	**1,529.7**	**19,335**	**19,815**	**228.6**	**241.7**
52	Building materials and garden supplies [2]	71.4	71.2	71.9	698	703	11.4	11.9
521	Lumber and other building materials	27.1	27.0	27.5	402	403	7.3	7.5
523	Paint, glass, and wallpaper stores	10.2	10.0	10.2	54	54	0.9	0.9
525	Hardware stores	19.1	19.3	19.0	142	143	1.8	1.9
526	Retail nurseries and garden stores	10.4	9.9	10.1	72	76	1.0	1.0
53	General merchandise stores [2]	35.1	35.8	36.6	2,082	2,135	21.9	22.9
531	Department stores	10.0	10.1	10.1	1,675	1,710	17.7	18.3
533	Variety stores	10.2	10.1	10.0	116	109	1.0	1.0
539	Misc. general merchandise stores	14.6	14.8	15.0	288	310	3.2	3.6
54	Food stores [2]	183.2	183.9	186.1	3,012	3,124	33.6	35.8
541	Grocery stores	132.3	132.8	132.5	2,661	2,757	30.5	32.4
542	Meat and fish markets	10.3	9.7	9.3	55	54	0.6	0.6
546	Retail bakeries	20.4	20.1	19.9	175	176	1.5	1.5
55	Automotive dealers and service stations [2]	208.3	208.2	207.3	2,129	2,104	39.4	40.0
551	New and used car dealers	27.4	26.7	26.1	960	917	24.1	23.9
552	Used car dealers	13.8	14.8	14.3	57	56	1.0	1.0
553	Auto and home supply stores	44.2	44.2	43.4	298	305	4.9	5.1
554	Gasoline service stations	108.1	105.8	104.8	699	701	7.3	7.5
56	Apparel and accessory stores [2]	148.3	147.5	150.2	1,168	1,193	11.5	12.2
561	Men's and boys' clothing stores	15.4	15.0	14.7	113	108	1.5	1.5
562	Women's clothing stores	52.8	50.1	50.2	434	439	3.8	4.0
563	Women's accessory and specialty stores	7.1	7.2	7.7	40	46	0.4	0.5
565	Family clothing stores	17.8	17.3	17.8	269	283	2.7	3.0
566	Shoe stores	38.5	38.4	37.4	213	206	2.1	2.2
569	Misc. apparel and accessory stores	8.1	8.2	9.1	44	47	0.5	0.5
57	Furniture and homefurnishings stores [2]	105.0	104.6	108.1	734	749	11.8	12.3
571	Furniture and homefurnishings stores [2]	61.4	60.4	61.1	432	430	7.1	7.2
5712	Furniture stores	31.3	31.0	30.8	248	245	4.3	4.3
5713	Floor covering stores	13.0	12.7	13.2	77	77	1.5	1.5
5719	Misc. homefurnishings stores	13.4	13.0	13.3	90	92	1.1	1.1
572	Household appliance stores	10.4	9.8	10.0	63	63	1.1	1.1
573	Radio, television, and computer stores [2]	32.3	32.5	34.2	233	245	3.5	3.9
5731	Radio, TV, and electronic stores	17.8	16.4	16.5	120	120	2.0	2.1
5734	Computer and software stores	3.8	4.2	5.1	28	33	0.6	0.8
5735	Record and prerecorded tape stores	6.3	6.4	7.1	55	60	0.5	0.6
58	Eating and drinking places [2]	378.5	391.5	402.6	6,288	6,461	46.1	49.6
5812	Eating places	317.8	303.4	286.8	5,803	5,700	42.3	43.8
5813	Drinking places	52.5	47.2	43.8	276	267	2.0	2.0
59	Miscellaneous retail [2]	326.6	334.7	349.0	2,386	2,487	30.7	33.2
591	Drug stores and proprietary stores	50.8	50.6	50.0	588	593	7.6	8.3
592	Liquor stores	31.9	31.7	30.8	144	141	1.5	1.6
593	Used merchandise stores	13.9	13.8	15.0	73	79	0.8	0.9
5941	Sporting goods and bicycle shops	20.6	20.8	21.4	133	139	1.5	1.6
5942	Book stores	10.6	11.5	11.7	78	86	0.7	0.8
5944	Jewelry stores	27.0	27.4	26.6	159	161	2.3	2.3
5945	Hobby, toy, and game shops	9.2	9.0	9.4	83	83	0.8	0.8
5947	Gift, novelty, and souvenir shops	30.2	28.8	29.5	159	164	1.3	1.4
5949	Sewing, needlework, and piece goods	8.8	8.4	8.2	63	68	0.5	0.5
5961	Catalog and mail-order houses	6.9	6.9	7.2	137	141	2.4	2.6
5962	Merchandising machine operators	5.0	4.9	5.1	78	76	1.3	1.3
5963	Direct selling establishments	9.3	8.9	8.8	107	107	1.6	1.7
598	Fuel dealers	12.4	12.0	12.0	99	100	2.1	2.2
5992	Florists	25.3	25.9	25.8	129	131	1.2	1.2
5995	Optical goods stores	13.7	13.4	13.2	69	66	1.0	1.1
(X)	Administrative and auxiliary	16.4	17.6	18.0	838	860	22.2	23.7

X Not applicable. [1] Based on 1987 Standard Industrial Classification; see text, section 13. [2] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1301. Retail Trade Establishments—Number, Sales, Payroll, and Employees, by Kind of Business: 1987

[Each kind-of-business classification includes leased departments classified in that kind of business as if they were separate establishments. See *Historical Statistics, Colonial Times to 1970*, series T 79-196 for similar but not comparable data]

1987 SIC code [1]	KIND OF BUSINESS	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL				
		Number [2] (1,000)	Sales (mil. dol.)	Number [2] (1,000)	Sales: Total (mil. dol.)	Sales: Per establishment ($1,000)	Annual payroll (mil. dol.)	Paid employees [3] (1,000)
	Retail trade, total	**[4]2,420**	**[4]1,540,263**	**1,504**	**1,493,309**	**993**	**177,548**	**17,780**
52	Building materials & garden supplies	107	83,454	74	81,487	1,104	9,760	668
521, 3	Building materials, supply stores	51	61,302	38	60,525	1,593	6,929	432
525	Hardware stores	27	11,036	20	10,535	525	1,564	138
526	Retail nurseries and garden stores	21	5,809	11	5,411	506	822	71
527	Mobile home dealers	8	5,307	5	5,015	993	445	27
53	General merchandise stores	57	181,971	35	181,147	5,112	19,586	2,003
531	Department stores (incl. leased depts.) [5 6]	10	153,679	10	153,679	15,305	(NA)	(NA)
531	Department stores (excl. leased depts.) [5 6]	10	144,017	10	144,017	14,343	16,365	1,651
533	Variety stores	21	7,134	10	6,762	649	926	121
539	Misc. general merchandise stores	26	30,819	15	30,368	2,029	2,294	231
54	Food stores [7]	290	309,460	191	301,847	1,583	29,819	2,855
541	Grocery stores	197	290,979	138	285,481	2,075	27,084	2,502
542	Meat and fish markets	(NA)	(NA)	11	5,616	494	606	59
546	Retail bakeries	31	5,194	22	4,871	224	1,353	185
543	Fruit and vegetable markets	(NA)	(NA)	3	1,802	551	186	20
544	Candy, nut, confectionery stores	(NA)	(NA)	6	1,182	193	199	31
55 ex. 554	Automotive dealers [7]	194	342,896	103	333,420	3,246	28,688	1,373
551	New and used car dealers	28	280,529	28	280,529	9,906	22,205	940
552	Used car dealers	75	18,295	15	10,849	726	809	55
553	Auto and home supply stores	67	26,622	46	25,460	551	4,152	286
555	Boat dealers	(NA)	(NA)	5	6,824	1,319	620	35
556	Recreational vehicle dealers	(NA)	(NA)	3	5,538	1,842	437	25
557	Motorcycle dealers	(NA)	(NA)	4	3,475	828	382	27
554	Gasoline service stations	137	104,769	115	101,997	889	6,414	702
56	Apparel and accessory stores [7]	197	79,322	149	77,391	518	9,725	1,121
561	Men's and boys' clothing stores	19	9,017	17	8,869	537	1,361	115
562, 3	Women's clothing, specialty stores	77	29,208	60	28,531	477	3,519	455
562	Women's clothing stores	64	26,366	52	25,868	495	3,150	419
565	Family clothing stores	27	21,472	18	21,117	1,145	2,362	268
566	Shoe stores	43	14,594	39	14,411	365	1,880	205
564	Children's and infants' wear stores	(NA)	(NA)	6	2,101	342	245	37
57	Furniture and homefurnishings stores	180	78,072	110	74,783	682	9,904	703
5712	Furniture stores	46	26,740	33	25,997	793	3,828	247
5713, 4, 9	Homefurnishings stores	63	17,737	32	16,374	512	2,389	176
572	Household appliance stores	17	8,642	11	8,332	744	953	65
573	Radio, television, computer stores	54	24,953	34	24,080	714	2,734	215
5734	Computer and software stores	8	2,799	4	2,651	687	325	22
58	Eating and drinking places	490	153,462	391	148,776	380	38,582	6,100
5812	Eating places [7]	402	142,627	333	139,282	419	36,633	5,787
5812 pt.	Restaurants and lunchrooms	(NA)	(NA)	155	66,364	429	18,796	2,822
5812 pt.	Refreshment places	(NA)	(NA)	138	56,870	412	13,269	2,352
5813	Drinking places	88	10,834	59	9,495	162	1,950	313
591	Drug stores and proprietary stores	56	54,142	52	53,824	1,031	6,476	574
59 ex. 591	Miscellaneous retail stores [7]	[4]710	[4]152,716	284	138,636	489	18,594	1,682
592	Liquor stores	45	19,826	35	18,597	528	1,454	157
593	Used merchandise stores	89	5,217	15	3,502	236	663	69
594	Misc. shopping goods stores [7]	263	53,777	123	49,460	403	6,481	706
5941	Sporting goods, bicycle shops	50	11,256	22	10,077	467	1,218	121
5942	Book stores	19	5,338	11	5,116	462	581	72
5943	Stationery stores	7	1,942	5	1,814	376	287	27
5944	Jewelry stores	50	12,925	28	11,994	428	1,921	163
5945	Hobby, toy, and game shops	28	7,451	10	7,031	730	614	76
5946	Camera, photo supply stores	6	2,383	4	2,294	605	276	21
5947	Gift, novelty, souvenir shops	79	8,446	32	7,459	231	1,055	151
5949	Sewing, needlework, and piece goods	22	3,138	10	2,836	294	406	65
596	Nonstore retailers	[4]66	[4]34,878	23	33,894	1,470	4,523	318
5961	Catalog and mail-order houses	31	20,765	7	20,347	2,815	1,932	123
5962	Merchandising machine operators	24	6,258	5	5,692	1,074	1,090	74
5963	Direct selling establishments	[4]11	[4]7,855	11	7,855	746	1,501	121
598	Fuel dealers	17	14,503	13	14,198	1,114	1,824	99
5992	Florists	50	5,441	27	4,810	180	1,019	125
5995	Optical goods stores	15	3,480	14	3,415	251	811	54

NA Not available. [1] Based on 1987 Standard Industrial Classification; see text, section 13. [2] Represents the number of establishments in business at any time during year. [3] For pay period including March 12. [4] Excludes nonemployer direct sellers, SIC 5963. [5] Includes sales from catalog order desks. [6] Establishments defined as department stores with 50 employees or more. [7] Includes other kinds of businesses, not shown separately.

Source: U.S. Bureau of the Census, *1987 Census of Retail Trade*, RC87-A-52 and RC87-N-1.

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No. 1302. Retail Trade Sales—Summary: 1970 to 1992

[Sales and inventories for leased departments and concessions are tabulated in the kind-of-business category of the leased department or concession. Based on Current Business Survey, see Appendix III. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 245, 246, and 255]

YEAR	CURRENT DOLLARS							CONSTANT (1987) DOLLARS [4]		
	Total sales (bil. dol.)	Annual percent change [1]	Per capita [2] (dol.)	Index of sales (1982=100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.) Total	Nondurable goods (bil. dol.) Dept. stores [3]	Total sales (bil. dol.)	Annual percent change [1]	Per capita [2] (dol.)
1970	375	6.4	1,839	35.1	115	260	36	908	(NA)	4,449
1971	414	10.4	2,002	38.7	135	279	41	964	6.3	4,663
1972	459	10.7	2,191	42.9	156	302	45	1,041	8.0	4,976
1973	512	11.6	2,422	47.9	177	335	49	1,095	5.1	5,181
1974	542	5.9	2,541	50.7	173	369	52	1,040	-5.0	4,876
1975	588	8.5	2,730	55.0	186	402	56	1,046	0.5	4,853
1976	656	11.6	3,017	61.4	220	436	62	1,112	6.3	5,111
1977	723	10.1	3,288	67.6	249	473	69	1,166	4.8	5,305
1978	804	11.3	3,621	75.2	281	523	76	1,221	4.7	5,497
1979	897	11.5	3,993	83.9	308	589	81	1,241	1.6	5,524
1980	957	6.7	4,213	89.5	299	658	86	1,193	-3.8	5,252
1981	1,039	8.5	4,527	97.1	325	714	96	1,201	0.6	5,232
1982	1,069	3.0	4,616	100.0	336	733	100	1,189	-1.0	5,130
1983	1,170	9.4	5,005	109.4	391	779	109	1,272	7.0	5,440
1984	1,287	10.0	5,457	120.3	454	832	121	1,360	6.9	5,767
1985	1,375	6.8	5,779	128.6	498	877	126	1,420	4.4	5,969
1986	1,450	5.4	6,037	135.6	541	909	135	1,498	5.5	6,240
1987	1,541	6.3	6,361	144.1	576	965	144	1,539	2.7	6,351
1988	1,656	7.5	6,780	155.0	630	1,028	152	1,599	3.9	6,541
1989	1,762	6.3	7,140	164.8	658	1,104	161	1,642	2.7	6,653
1990	1,850	5.0	7,417	173.0	671	1,179	166	1,654	0.7	6,632
1991	1,865	0.8	7,398	174.4	654	1,212	174	1,620	-2.0	6,426
1992	1,962	5.2	7,693	183.5	705	1,257	188	1,671	3.1	6,551

NA Not available. [1] Change from immediate prior year. [2] Based on Bureau of the Census estimates of resident population as of July 1. [3] Excludes leased departments. [4] Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly; and unpublished data.

No. 1303. Retail Trade—Sales, by Kind of Business: 1980 to 1992

[In billions of dollars. See headnote, table 1302. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271]

1987 SIC code [1]	KIND OF BUSINESS	1980	1985	1987	1988	1989	1990	1991	1992
	Retail trade, total	**957.4**	**1,375.0**	**1,541.3**	**1,657.6**	**1,762.2**	**1,849.8**	**1,865.5**	**1,962.4**
	Durable goods stores, total [2]	**299.2**	**498.1**	**575.9**	**629.6**	**658.5**	**671.0**	**653.9**	**705.1**
55 exc. 554	Automotive dealers	164.1	303.2	342.9	371.7	384.1	384.6	368.9	398.1
551,2,5,6,7,9	Motor vehicle, misc. automotive dealers	146.2	278.0	316.3	341.4	352.5	350.4	334.6	363.8
551,2	Motor vehicle dealers	137.7	263.1	298.8	323.1	333.7	332.3	316.8	344.3
551	Motor vehicle dealers, franchised	130.5	251.6	280.5	302.1	309.2	312.1	296.5	320.0
553	Auto and home supply stores	18.0	25.2	26.6	30.3	31.7	34.2	34.3	34.3
52	Building materials, hardware, garden supply, mobile home dealers [2]	50.8	71.2	83.5	91.8	94.1	97.4	95.2	103.0
521,3	Building materials, supply stores	35.0	50.8	61.3	67.1	68.0	71.3	69.5	74.5
525	Hardware stores	8.3	10.5	11.0	11.8	12.5	12.4	11.9	12.8
57	Furniture, homefurnishings, equipment [2]	44.2	68.3	78.1	86.7	94.2	96.3	98.6	105.8
571	Furniture, homefurnishings stores	26.3	38.3	44.5	47.9	51.8	51.5	50.8	54.7
5722,31,34	Household appliance, radio, TV, and computer stores	14.0	25.1	27.1	31.5	34.7	36.3	38.5	41.0
	Nondurable goods stores, total [2]	**658.1**	**876.9**	**965.4**	**1,028.0**	**1,103.7**	**1,178.8**	**1,211.6**	**1,257.3**
56	Apparel and accessory stores [2]	49.3	70.2	79.3	85.3	92.4	95.8	97.5	105.0
561	Men's, boys' clothing, furnishings	7.7	8.5	9.0	9.5	9.8	9.4	9.0	9.1
562,3	Women's clothing specialty stores	17.6	26.1	29.2	31.1	33.4	34.7	35.4	38.2
562	Women's ready-to-wear stores	15.9	23.6	26.4	27.9	30.1	31.5	32.2	34.8
565	Family clothing stores	10.8	17.8	21.5	23.6	25.8	27.4	29.1	33.1
566	Shoe stores	10.5	13.1	14.6	15.5	17.3	18.1	17.6	17.7
591	Drug and proprietary stores	31.0	47.0	54.1	57.9	63.5	70.8	75.9	77.3
58	Eating and drinking places	90.1	127.9	153.5	168.2	178.3	191.0	196.9	201.9
5812	Eating places	80.4	117.6	142.6	157.2	167.5	179.2	184.6	190.6
54	Food stores	220.2	285.1	309.5	325.9	348.0	369.8	376.9	384.0
541	Grocery stores	205.6	269.5	291.0	307.3	328.4	348.8	355.3	360.8
554	Gasoline service stations	94.1	113.3	104.8	109.7	121.5	136.2	134.1	133.0
53	General merchandise group stores	109.0	158.6	182.0	192.7	206.9	216.5	228.5	247.4
531	Department stores [3]	85.5	126.4	144.0	151.6	160.8	166.2	173.5	187.7
533	Variety stores	7.8	8.5	7.1	7.1	7.2	7.2	7.1	6.7
539	Misc. gen. merchandise group stores	15.7	23.8	30.8	34.0	38.8	43.0	47.9	53.0
592	Liquor stores	16.9	19.5	19.8	20.0	20.9	22.9	24.0	25.6
596	Nonstore retailers	22.8	28.3	35.9	40.1	42.6	43.9	46.3	48.3
5961 pt.	Mail-order houses (department store merchandise)	4.3	4.7	4.1	4.1	4.0	3.7	3.7	4.1

[1] Based on 1987 Standard Industrial Classification code; see text, section 13. [2] Includes kinds of business, not shown separately. [3] Excludes leased departments.

Source of tables 1302 and 1303: Except as noted, U.S. Bureau of the Census, *Current Business Reports, Combined Annual and Revised Monthly Retail Trade, January 1983 Through December 1992*, (BR/92-RV) and prior issues.

No. 1304. Retail Trade—Sales of Multiunit Organizations, by Kind of Business: 1980 to 1992

[Data based on sales of companies which had 11 or more retail establishments according to the most recent update of multiestablishment files selected with certainty (i.e., their sales size exceeded specified dollar volume cutoffs which varied by kind of business). For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197-219]

1987 SIC code [1]	KIND OF BUSINESS	SALES (bil. dol.)						PERCENT OF TOTAL RETAIL SALES		
		1980	1985	1989	1990	1991	1992	1980	1990	1992
	Total	**361.3**	**520.3**	**683.6**	**739.3**	**767.1**	**813.2**	**37.3**	**40.0**	**41.4**
	Durable goods stores	**35.2**	**55.1**	**87.9**	**98.9**	**103.0**	**112.4**	**11.4**	**14.7**	**15.9**
553	Auto and home supply stores	4.7	5.9	9.2	10.7	11.2	11.9	26.2	31.3	34.7
	Nondurable goods stores [2]	**326.0**	**465.2**	**595.7**	**640.4**	**664.1**	**700.9**	**49.1**	**54.3**	**55.7**
56	Apparel and accessory stores [2]	21.1	35.9	53.4	58.0	61.1	66.3	42.7	60.5	63.1
562,3	Women's clothing specialty stores, furriers	8.3	13.6	19.1	20.6	21.9	23.6	47.1	59.4	61.8
566	Shoe stores	5.3	7.7	11.1	11.9	11.6	11.9	50.8	65.7	67.2
591	Drug and proprietary stores	16.8	27.9	37.8	42.8	46.0	47.8	54.3	60.5	61.8
54	Food stores	119.8	162.5	201.5	217.7	224.5	228.4	54.4	58.9	59.5
541	Grocery stores	118.1	160.2	198.6	214.4	220.9	224.6	57.4	61.5	62.3
53	General merchandise group	101.6	151.4	197.1	206.3	216.4	235.0	90.6	95.3	95.0
531	Department stores	83.2	124.0	157.4	163.2	170.7	184.9	96.1	98.2	98.5
533	Variety stores	6.3	7.0	5.2	4.8	4.5	4.6	80.9	66.7	68.7
539	Misc. general merchandise stores	12.1	20.4	34.5	38.2	41.2	45.5	58.1	88.8	85.8
5812	Eating places	22.6	33.8	44.1	45.9	45.6	48.1	28.1	25.6	25.2

[1] Based on 1987 Standard Industrial Classification code; see text, section 13. [2] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports, Combined Annual and Revised Monthly Retail Trade, January 1993 Through December 1992* (BR/92-RV); and unpublished data.

No. 1305. Retail Trade—Merchandise Inventories and Sales-Inventory Ratios, by Kind of Business: 1985 to 1992

[As of Dec. 31. Includes warehouses. See headnote, table 1302]

1987 SIC code [1]	KIND OF BUSINESS	INVENTORIES AT COST [2] (bil. dol.)				SALES-INVENTORY RATIOS [3]			
		1985	1990	1991	1992	1985	1990	1991	1992
	Total	**176.9**	**238.0**	**242.2**	**253.6**	**7.8**	**7.8**	**7.7**	**7.7**
	Excluding automotive group	*130.5*	*173.1*	*179.8*	*187.1*	*8.2*	*8.5*	*8.3*	*8.4*
	Durable goods stores [4]	87.6	122.5	121.0	130.5	5.7	5.5	5.4	5.4
55 exc. 554	Automotive dealers	46.4	64.8	62.3	66.5	6.5	5.9	5.9	6.0
52	Building materials, hardware, garden supply, mobile home dealers	13.1	16.9	16.9	18.4	5.5	5.8	5.6	5.6
57	Furniture, homefurnishings, equipment stores	13.7	18.1	18.7	20.5	5.0	5.3	5.3	5.2
	Nondurable goods stores [4]	89.3	115.4	121.2	123.1	9.8	10.2	10.0	10.2
56	Apparel and accessory stores	14.6	17.9	18.4	19.7	4.8	5.4	5.3	5.3
54	Food stores	19.5	25.8	26.6	26.7	14.6	14.3	14.2	14.4
53	General merchandise group stores	31.5	39.0	42.3	45.2	5.0	5.5	5.4	5.5
531	Department stores	23.3	30.8	33.4	35.6	5.4	5.4	5.2	5.3

[1] Based on 1987 Standard Industrial Classification code; see text, section 13. [2] Excludes supplies and equipment used in store and warehouse operations that are not for resale. Not adjusted for seasonal variation. [3] Relates annual sales to yearend inventories. [4] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports, Combined Annual and Revised Monthly Retail Trade, January 1993 Through December 1992* (BR/92-RV).

No. 1306. Retail Foodstores—Number and Sales, by Type: 1980 to 1991

TYPE OF FOODSTORE	NUMBER [1] (1,000)					SALES [2] (bil. dol.)					PERCENT DISTRIBUTION			
											Number		Sales	
	1980	1985	1989	1990	1991	1980	1985	1989	1990	1991	1980	1991	1980	1991
Total	**253.4**	**255.9**	**254.4**	**253.0**	**251.7**	**220.2**	**285.1**	**348.0**	**369.8**	**376.9**	**100.0**	**100.0**	**100.0**	**100.0**
Grocery stores [3]	178.3	177.2	172.3	170.1	168.0	205.6	269.5	328.4	348.7	355.3	70.4	66.7	93.4	94.3
Supermarkets [3]	26.3	26.2	24.1	23.8	23.7	157.0	201.8	247.3	260.1	268.9	10.4	9.4	71.3	71.3
Convenience stores [4]	35.8	45.4	52.0	51.7	50.7	18.9	33.7	43.9	46.5	47.3	14.1	20.1	8.6	12.5
Superette [5]	116.2	105.6	96.2	94.6	93.6	29.7	34.0	37.1	42.1	39.1	45.9	37.2	13.5	10.4
Specialized food stores [6]	75.0	78.7	82.1	83.0	83.7	14.6	15.5	19.6	21.1	21.6	29.6	33.3	6.6	5.7

[1] Estimated. [2] Includes nonfood items. [3] A grocery store, primarily self-service in operation, providing a full range of departments, and having at least $2.5 million in annual sales in 1985 dollars. [4] A small grocery store selling a limited variety of food and nonfood products, typically open extended hours. [5] A grocery store, primarily self-service in operation, selling a wide variety of food and nonfood products with annual sales below $2.5 million (1985 dollars). [6] Primarily engaged in the retail sale of a single food category such as meat and seafood stores and retail bakeries.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Marketing Review*, annual.

No. 1307. Supermarkets—Number and Sales, by Type of Format: 1980 to 1991

[For definition of supermarket, see footnote 3, table 1306]

SUPERMARKET FORMAT	NUMBER				SALES (bil. dol.)			PERCENT DISTRIBUTION			
								Number		Sales	
	1980	1985	1990	1991	1980	1990	1991	1980	1991	1980	1991
Supermarkets, total	**26,321**	**26,229**	**23,813**	**23,722**	**157.0**	**260.1**	**268.9**	**100**	**100**	**100**	**100**
Conventional	21,009	16,568	12,550	11,647	114.7	90.7	81.8	80	49	73	30
Superstore [1]	3,150	4,854	5,810	5,900	27.8	87.6	91.1	12	25	18	34
Warehouse [2]	1,670	3,483	3,381	3,475	6.6	33.1	35.3	6	15	4	13
Combination food and drug [3]	475	1,047	1,619	2,115	6.3	34.8	46.0	2	9	4	17
Superwarehouse [4]	7	207	333	465	1.6	12.6	13.8	(Z)	2	1	5
Hypermarket [5]	10	70	120	120	(NA)	1.3	0.9	(Z)	1	(NA)	(Z)

NA Not available. Z Less than 0.5 percent. [1] Contains greater variety of products than conventional supermarkets, including specialty and service departments, and considerable nonfood (general merchandise) products. [2] Contains limited product variety and fewer services provided, incorporating case lot stocking and shelving practices. [3] Contains a pharmacy, a nonprescription drug department, and a greater variety of health and beauty aids than that carried by conventional supermarkets. [4] A larger warehouse store that offers expanded product variety and often service meat, deli, or seafood departments. [5] A very large store offering a greater variety of general merchandise—like clothes, hardware, and seasonal goods—and personal care products than other grocery stores.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Marketing Review*, annual.

No. 1308. Percent of Supermarkets Offering Selected Services and Product Lines: 1990 and 1992

[**In percent.** Based on a sample survey of chain and independent supermarkets and subject to sampling variability; for details, see source]

SERVICE OR PRODUCT LINE OFFERED	TOTAL		CHAINS		INDEPENDENTS	
	1990	1992	1990	1992	1990	1992
Service delicatessen	73	78	76	81	69	75
Service bakery	60	60	66	65	53	52
Hot takeout food	55	55	59	58	49	50
Chilled prepared food	50	48	55	53	42	41
Service meat	42	48	45	50	37	46
Self-service delicatessen	38	46	38	49	39	42
Service fish	33	41	43	53	20	24
Separate cheese department	33	33	43	44	19	18
Salad bar	18	22	22	29	13	12
Organic products	13	17	18	22	7	9
Plastic grocery bags	88	90	94	96	79	83
Reusable grocery bags	58	63	68	68	44	57
Carryout services	82	83	81	80	84	86
Scanning checkouts	71	81	79	90	61	70
Automated teller machines (ATM's)	20	28	28	38	10	15
Accept credit cards	19	39	23	45	13	31
Pharmacy	15	18	22	26	6	7

Source: Maclean Hunter Media Inc., Stamford, CT, *Progressive Grocer, Annual Report of the Grocery Industry* (copyright).

No. 1309. Supermarket Shopping—Selected Characteristics: 1990 and 1992

[Based on a sample survey of 500 households and subject to sampling variability; for details, see source]

TYPE OF OUTLET	PERCENT OF HOUSEHOLDS SHOPPING AT OUTLET		AVERAGE NUMBER OF WEEKLY TRIPS		AVERAGE WEEKLY SPENDING (dollars)		NUMBER OF SUPERMARKETS SHOPPED IN EACH WEEK	PERCENT DISTRIBUTION	
	1990	1992	1990	1992	1990	1992		1990	1992
Supermarket	100	100	2.3	2.1	72.65	68.04	Total	100	100
Convenience store	41	43	2.3	2.9	12.86	12.79	One	31	27
Fast-food restaurant	67	63	1.9	2.0	16.17	13.49	Two	45	46
Mass merchandiser	64	67	1.4	1.5	26.25	25.64	Three	20	22
Wholesale clubs	(NA)	27	(NA)	2.0	(NA)	75.99	Four or more	4	5

NA Not available.

Source: Maclean Hunter Media Inc., Stamford, CT, *Progressive Grocer, Annual Report of the Grocery Industry* (copyright).

No. 1310. Commercial and Institutional Groups—Food and Drink Sales: 1980 to 1993

[Excludes military. Data refer to sales to consumers of food and alcoholic beverages. Sales are estimated. For details, see source]

TYPE OF GROUP	Number, 1991	SALES (mil. dol.)							
		1980	1985	1988	1989	1990	1991	1992 [1]	1993 [1]
Total [2,3]	**729,364**	**119,004**	**172,787**	**212,859**	**225,644**	**237,700**	**245,418**	**253,769**	**266,009**
Commercial foodservice [2,3]	553,739	101,529	151,762	189,289	200,583	211,083	217,983	225,454	236,495
Eating places [2]	344,061	72,276	111,657	138,542	146,716	154,227	159,272	165,341	173,590
Restaurants, lunchrooms	165,111	39,307	57,939	69,356	72,727	76,072	78,355	80,313	83,526
Limited menu restaurants [4]	152,936	28,699	47,477	61,397	65,775	69,458	71,889	75,627	80,241
Bars and taverns [5]	37,227	7,785	8,338	8,899	8,952	9,212	9,442	9,169	9,269
Food contractors [2]	15,739	6,818	9,460	12,071	13,198	14,149	14,829	15,494	16,376
Manufacturing and industrial plants	(NA)	2,121	2,721	3,356	3,669	3,856	3,918	4,021	4,241
Colleges and universities	(NA)	1,140	1,738	2,284	2,569	2,788	3,072	3,195	3,345
Lodging places [2]	27,364	6,768	10,557	12,933	13,606	14,272	14,601	15,170	15,974
Hotel restaurants	17,028	4,964	8,986	11,533	12,215	12,907	13,281	13,856	14,645
Motel restaurants	6,628	1,151	975	850	836	820	790	779	785
Retail hosts [2,6]	109,007	3,264	5,254	8,605	9,276	9,888	10,380	10,607	11,151
Department store restaurants	4,980	857	865	875	925	950	980	(NA)	(NA)
Grocery store restaurants [6]	44,966	830	2,074	4,979	5,379	5,733	6,013	(NA)	(NA)
Gasoline service stations	34,788	492	1,052	1,381	1,523	1,681	1,824	(NA)	(NA)
Recreation and sports	14,447	1,452	1,972	2,546	2,787	2,916	2,949	3,045	3,189
Institutional foodservice [2]	175,625	17,475	21,025	23,570	25,061	26,617	27,436	28,314	29,514
Employee foodservice	7,636	1,635	1,971	1,985	1,994	1,985	1,913	1,876	1,895
Industrial, commercial organizations	3,012	1,377	1,682	1,658	1,641	1,603	1,535	(NA)	(NA)
Educational foodservice	96,356	4,610	5,978	6,883	7,237	7,671	8,223	8,353	8,664
Elementary and secondary schools	93,535	2,312	2,919	3,347	3,478	3,700	3,878	3,984	4,129
Hospitals	6,606	6,668	7,104	7,826	8,396	8,968	9,018	9,643	10,067
Miscellaneous [2]	31,568	1,521	2,077	2,489	2,677	2,845	2,993	3,041	3,227
Clubs	10,310	1,056	1,537	1,809	1,914	1,993	2,039	(NA)	(NA)

NA Not available. [1] Projection. [2] Includes other types of groups, not shown separately. [3] Data for establishments with payroll. [4] Fast-food restaurants. [5] For establishments serving food. [6] Beginning 1988, a portion of delicatessen sales in grocery stores are considered foodservice.

Source: National Restaurant Association, Washington, DC, *Foodservice Numbers: A Statistical Digest for the Foodservice Industry*, 1992; *Foodservice Industry in Review*, annual; and *National Restaurant Association Foodservice Industry Forecast*, December 1992, (copyright).

No. 1311. Motor Vehicle Factory Sales and Retail Sales: 1980 to 1991

[**In thousands**. See also *Historical Statistics, Colonial Times to 1970*, series Q 148 and 150]

YEAR	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Factory sales, total	**8,067**	**6,955**	**9,153**	**10,696**	**11,359**	**10,909**	**10,907**	**11,225**	**10,869**	**9,769**	**8,783**
Passenger cars	6,400	5,049	6,739	7,621	8,002	7,516	7,085	7,105	6,807	6,050	5,407
Trucks and buses	1,667	1,906	2,414	3,075	3,357	3,393	3,821	4,121	4,062	3,719	3,375
Retail sales, total	**11,466**	**10,542**	**12,311**	**14,483**	**15,724**	**16,323**	**15,189**	**15,679**	**14,713**	**14,146**	**12,540**
Passenger cars (new), total	8,979	7,982	9,182	10,390	11,042	11,460	10,277	10,530	9,772	9,300	8,175
Domestic	6,581	5,759	6,795	7,952	8,205	8,215	7,081	7,526	7,073	6,897	6,137
Imports	2,398	2,224	2,387	2,439	2,838	3,245	3,196	3,004	2,699	2,403	2,038
Trucks (new), total	2,487	2,560	3,129	4,093	4,682	4,863	4,912	5,149	4,941	4,846	4,365
Domestic	2,001	2,146	2,658	3,475	3,902	3,921	4,055	4,508	4,403	4,215	3,813
Imports	486	414	471	618	780	942	857	641	538	631	551

Source: American Automobile Manufacturers Association, Detroit, MI, *AAMA Motor Vehicle Facts and Figures*, annual.

No. 1312. Franchised New Car Dealerships—Summary: 1980 to 1991

ITEM	Unit	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
Dealerships [1]	Number	27,900	24,725	24,725	24,725	24,825	25,150	24,950	24,925	24,825	24,000
Sales	Bil. dol.	130.5	187.7	225.9	251.6	270.4	280.5	302.4	309.7	313.0	305.3
New cars	1,000	8,979	9,182	10,390	11,038	11,455	10,277	10,639	9,771	9,296	8,176
Used vehicles	1,000	9,717	10,630	12,410	13,360	13,540	13,260	14,600	14,610	14,180	14,190
Employment	1,000	745.2	722.4	794.8	856.9	896.7	926.0	960.1	959.2	926.4	886.4
Annual payroll	Bil. dol.	11.0	14.5	17.8	20.1	21.7	22.6	24.7	24.7	24.3	23.5
Advertising expenses	Bil. dol.	1.2	1.7	2.1	2.8	3.2	3.7	4.1	3.9	3.6	3.5
Dealer pretax profits as a percentage of sales	Percent	0.61	2.14	2.18	2.20	2.16	1.88	1.71	1.00	1.00	1.00
Inventory: [2]											
Domestic: [3]											
Total	1,000	1,506	1,209	1,413	1,510	1,687	1,724	1,543	1,677	1,450	1,263
Days' supply	Days	71	55	55	58	63	75	63	72	66	64
Imported: [3]											
Total	1,000	458	260	216	271	392	551	626	648	597	584
Days' supply	Days	55	34	26	30	37	53	62	70	74	86

[1] At beginning of year. [2] Annual average. [3] Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic).

Source: National Automobile Dealers Association, McLean, VA, *NADA Data*, annual.

No. 1313. Domestic and International Franchising—Summary: 1980 to 1991

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise]

ITEM	Unit	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991
DOMESTIC [1]											
Number of franchised establishments	1,000	442	442	444	455	462	479	481	493	521	542
Company-owned [2]	1,000	85	86	87	86	88	89	94	95	97	100
Franchisee-owned	1,000	357	355	357	369	374	390	387	398	424	442
Sales of products and services	Bil. dol	336	423	492	543	569	599	648	678	714	758
Company-owned [2]	Bil. dol	47	59	64	68	85	90	98	107	117	127
Franchisee-owned	Bil. dol	289	364	428	475	484	509	550	570	597	631
Average sales per establishment	$1,000	760	958	1,108	1,193	1,231	1,251	1,348	1,376	1,370	1,399
Employment	1,000	4,668	5,165	5,671	6,283	6,501	(NA)	(NA)	(NA)	(NA)	(NA)
INTERNATIONAL											
U.S. companies operating foreign outlets	Number	279	305	328	342	354	(NA)	374	(NA)	(NA)	(NA)
Foreign outlets	1,000	20.4	25.7	27.0	30.2	31.6	(NA)	35.0	(NA)	(NA)	(NA)

NA Not available. [1] Excludes foreign outlets of U.S. companies. [2] Represents establishments owned by the parent company.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1986-88*, 1988. Beginning 1988, International Franchise Association Educational Foundation, Inc., Washington, DC, *Franchising in the Economy*, annual.

No. 1314. Domestic Franchising—Number of Establishments and Sales, by Kind of Franchised Business: 1980 to 1991

[See headnote, table 1313, for definition of franchising. Excludes foreign outlets of U.S. companies]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (bil. dol.)					
	1980	1985	1988	1989	1990	1991	1980	1985	1988	1989	1990	1991
All franchising, total	442.4	455.2	480.8	492.5	521.2	542.5	336.2	543.0	648.1	677.9	713.8	757.8
Auto and truck dealers [1]	29.4	27.5	27.8	26.9	26.8	26.5	143.9	282.6	345.1	351.0	345.9	354.5
Percent	6.6	6.0	5.8	5.5	5.1	4.9	42.8	52.0	53.2	51.8	48.5	46.8
Restaurants (all types)	60.0	73.9	90.3	92.0	99.3	103.3	27.9	47.7	64.3	70.1	77.9	85.5
Percent	13.6	16.2	18.8	18.7	19.1	19.0	8.3	8.8	9.9	10.3	10.9	11.3
Gasoline service stations [1]	158.5	124.6	113.2	111.5	107.5	107.0	94.5	100.8	101.9	109.4	128.6	143.2
Percent	35.8	27.4	23.5	22.6	20.6	19.7	28.1	18.6	15.7	16.1	18.0	18.9
Retailing (nonfood)	35.2	45.1	46.2	50.0	54.4	57.0	10.5	20.6	23.3	26.7	29.3	31.4
Percent	8.0	9.9	9.6	10.2	10.4	10.5	3.1	3.8	3.6	3.9	4.1	4.1
Auto, truck rental services	7.3	11.2	9.5	9.8	10.7	11.1	3.1	5.7	6.6	6.9	7.5	8.0
Automotive products and services [2]	40.2	36.5	34.7	36.2	39.2	42.2	7.1	10.7	11.4	12.5	13.9	15.5
Business aids and services	40.7	49.8	55.6	58.2	64.4	69.5	6.7	12.0	15.7	16.9	18.6	20.8
Employment services	4.4	4.8	6.5	6.6	7.5	8.3	1.6	2.7	4.7	5.0	5.7	6.4
Tax preparation services	9.2	8.1	8.3	8.2	8.3	8.5	0.3	0.4	0.6	0.7	0.7	0.7
Accounting, credit, collection, and general	2.4	2.1	1.7	1.7	1.8	1.9	0.1	0.2	0.2	0.2	0.2	0.2
Real estate [3]	17.3	13.9	15.3	15.8	16.4	18.2	3.6	4.6	5.9	6.2	6.8	7.7
Printing and copying	2.8	4.5	5.9	6.3	6.8	7.4	0.4	0.9	1.5	1.6	1.8	2.0
Other	4.8	16.4	17.9	19.5	23.6	25.3	0.8	3.1	3.0	3.4	3.5	3.8
Construction, home improvement, maintenance, and cleaning	14.3	17.5	22.0	24.1	27.4	30.6	1.5	4.1	5.3	5.8	6.5	7.1
Convenience stores	15.6	15.1	17.2	17.6	17.2	17.3	7.8	10.8	13.9	14.3	14.3	15.0
Educational products and services	3.2	8.2	11.6	11.1	12.5	13.9	0.3	0.8	1.7	1.7	2.0	2.3
Equipment rental services	2.2	2.5	3.0	2.6	2.7	2.9	0.4	0.7	0.7	0.7	0.7	0.8
Food retailing [4]	15.5	18.7	21.6	21.1	24.5	25.4	7.4	10.1	10.2	10.0	11.7	12.2
Hotels and motels [5]	6.4	7.5	9.3	10.1	11.0	11.4	9.5	14.8	19.7	21.6	23.8	26.0
Laundry, dry cleaning services	3.4	2.3	2.3	3.0	3.2	3.5	0.3	0.3	0.3	0.4	0.4	0.5
Recreation, entertainment, travel	4.6	7.8	8.8	9.8	10.9	11.6	0.5	2.3	3.5	3.5	4.2	4.8
Soft drink bottlers [1] [6]	1.9	1.4	0.9	0.8	0.8	0.8	14.4	18.3	22.7	24.6	26.2	28.0
Miscellaneous	3.6	5.5	6.9	7.6	8.4	8.6	0.4	0.9	1.7	2.0	2.3	2.6

[1] Estimated by source on basis of Bureau of the Census and trade association data. [2] Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. [3] Gross commissions. [4] Excludes convenience stores. [5] Includes campgrounds. [6] Includes soft drinks, fruit drinks and ades, syrups, flavoring agents and bases. Excludes independent private label and contract-filler bottling companies, which accounted for 22 percent of the value of shipments of the total industry in recent years.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1986-88*, 1988. Beginning 1988, International Franchise Association Educational Foundation, Inc., Washington, DC, *Franchising in the Economy*, annual.

No. 1315. Shopping Centers—Number, Gross Leasable Area, and Retail Sales, by Gross Leasable Area: 1986 to 1992

[As of **December** 31. A shopping center is a group of architecturally unified commercial establishments built on a site that is planned, developed, owned, and managed as an operating unit related in its location, size, and type of shops to the trade area that the unit serves. The unit provides on-site parking in definite relationship to the types and total size of the stores. The data base attempts to include all centers with three or more stores. Estimates are based on a sample of data available on shopping center properties; for details, contact source]

YEAR	Total	GROSS LEASABLE AREA (sq. ft.)					
		Less than 100,001	100,001-200,000	200,001-400,000	400,001-800,000	800,001-1,000,000	More than 1 million
NUMBER							
1986	28,496	18,230	6,692	2,083	918	261	312
1990	36,515	23,231	8,756	2,781	1,102	288	357
1991	37,975	23,997	9,226	2,953	1,141	294	364
1992	38,966	24,578	9,467	3,086	1,170	294	371
Percent distribution	100.0	63.1	24.3	7.9	3.0	0.8	1.0
Percent change, 1991-92	2.6	2.4	2.6	4.5	2.5	-	1.9
GROSS LEASABLE AREA							
1986 (mil. sq. ft.)	3,523	901	917	555	522	234	393
1990 (mil. sq. ft.)	4,390	1,125	1,197	734	618	259	457
1991 (mil. sq. ft.)	4,564	1,162	1,258	775	639	264	466
1992 (mil. sq. ft.)	4,679	1,190	1,289	807	653	264	475
Percent distribution	100.0	25.4	27.5	17.2	14.0	5.7	10.2
Percent change, 1991-92	2.5	2.4	2.5	4.1	2.2	-	2.0
RETAIL SALES							
1986 (bil. dol.)	556.5	160.3	140.4	84.8	73.9	36.2	60.8
1990 (bil. dol.)	706.4	205.1	179.5	108.0	91.7	45.1	77.0
1991 (bil. dol.)	716.9	208.3	182.2	109.5	93.0	45.8	78.2
1992 (bil. dol.)	746.6	217.0	189.8	113.9	96.8	47.6	81.5
Percent distribution	100.0	29.1	25.4	15.3	13.0	6.4	10.9
Percent change, 1991-92	4.1	4.2	4.2	4.0	4.0	4.1	4.2

- Represents zero.

No. 1316. Shopping Centers—Number, Gross Leasable Area, and Retail Sales, by State: 1992

[Minus sign (-) indicates decrease. See headnote, table 1315]

DIVISION AND STATE	Number	Gross leasable area (mil. sq. ft.)	Retail sales (bil. dol.)	PERCENT CHANGE, 1991-92			DIVISION AND STATE	Number	Gross leasable area (mil. sq. ft.)	Retail sales (bil. dol.)	PERCENT CHANGE, 1991-92		
				Number	Gross leasable area	Retail sales per sq. ft.					Number	Gross leasable area	Retail sales per sq. ft.
U.S.	**38,966**	**4,679**	**746.6**	**2.6**	**2.5**	**1.6**	VA. . .	1,122	144	22.5	3.0	2.7	2.0
							WV . .	154	21	2.9	0.7	0.6	1.7
N.E. . . .	**2,257**	**243**	**38.5**	**2.3**	**2.5**	**1.4**	NC . .	1,357	143	21.3	4.1	2.9	1.8
ME . .	186	15	2.8	5.7	2.0	2.2	SC. . .	737	72	11.6	3.1	2.1	2.3
NH . .	197	20	2.8	4.8	4.4	0.7	GA . .	1,384	143	23.2	2.2	1.6	3.4
VT. . .	103	7	1.2	5.1	5.7	−1.3	FL. . .	2,999	378	65.7	2.1	2.4	3.0
MA . .	894	100	16.4	1.4	2.6	1.1	**E.S.C . .**	**2,664**	**288**	**45.3**	**1.8**	**1.8**	**1.9**
RI . . .	183	17	2.7	0.5	2.9	0.8	KY. . .	575	62	10.3	1.8	0.9	2.4
CT. . .	694	83	12.6	2.1	1.6	2.2	TN. . .	1,097	121	16.8	2.0	2.4	1.5
M.A . . .	**3,944**	**553**	**81.1**	**3.4**	**3.0**	**0.3**	AL. . .	587	67	11.7	0.7	1.1	2.6
NY. . .	1,512	208	32.4	3.7	2.3	0.9	MS . .	405	38	6.4	2.5	2.4	1.1
NJ. . .	978	137	19.6	3.4	3.5	0.1	**W.S.C . .**	**4,321**	**488**	**93.7**	**0.9**	**1.1**	**3.0**
PA. . .	1,454	208	29.0	3.0	3.3	-	AR. . .	332	32	5.7	0.3	0.8	2.9
							LA. . .	660	77	13.8	0.9	0.4	2.6
E.N.C . .	**5,739**	**740**	**105.2**	**2.5**	**2.3**	**0.8**	OK . .	549	57	10.2	0.5	1.1	2.2
OH . .	1,515	213	30.6	3.4	2.9	0.3	TX. . .	2,780	322	64.0	1.0	1.3	3.2
IN . . .	818	108	15.9	1.9	1.3	1.8							
IL . . .	1,894	226	29.8	2.5	2.8	0.2	**Mt . . . .**	**2,589**	**309**	**53.0**	**2.4**	**2.5**	**2.3**
MI . . .	940	123	18.4	1.5	1.5	1.6	MT . .	90	9	1.5	1.1	7.9	−4.4
WI. . .	572	70	10.5	2.1	2.2	1.3	ID . . .	130	16	2.5	4.0	3.1	0.8
W.N.C. . .	**2,305**	**291**	**47.6**	**1.9**	**2.2**	**1.1**	WY . .	53	6	1.0	3.9	3.6	−0.9
MN . .	421	61	10.1	2.2	5.8	−2.0	CO . .	665	86	16.1	0.8	0.9	3.4
IA . . .	270	35	5.5	1.5	1.8	0.8	NM . .	276	26	4.8	4.5	3.9	1.0
MO . .	808	100	16.7	1.8	1.4	2.1	AZ. . .	902	106	17.6	1.9	2.0	3.5
ND . .	80	9	1.5	3.9	1.1	1.9	UT. . .	204	29	4.9	4.6	3.0	1.1
SD. . .	49	6	1.0	4.3	3.3	0.1	NV. . .	269	31	4.7	3.5	5.3	0.6
NE. . .	231	30	4.2	3.1	1.5	1.7							
KS. . .	446	49	8.6	0.9	0.6	2.8	**Pac . . .**	**6,397**	**728**	**112.9**	**4.2**	**4.1**	**0.6**
							WA . .	638	84	12.6	3.1	2.0	2.4
S.A. . . .	**8,750**	**1,039**	**169.3**	**2.7**	**2.3**	**2.6**	OR . .	429	49	6.6	3.6	2.4	1.1
DE. . .	121	18	3.0	4.3	2.7	1.5	CA. . .	5,117	574	89.6	4.5	4.7	0.2
MD . .	810	111	17.9	2.4	1.8	2.5	AK. . .	60	8	1.4	5.3	3.6	1.5
DC. . .	66	8	1.3	4.8	2.5	0.5	HI . . .	153	15	2.7	0.7	1.2	3.2

- Represents or rounds to zero.

Source of tables 1315 and 1316: National Research Bureau, 225 West Wacker Drive, Chicago, IL 60606-1229. Data for 1986 and 1991-92 published by Communication Channels Inc., Atlanta, GA, in *Shopping Center World*, February 1988 and March 1993, respectively, (copyright). Data for 1990 published by Monitor Publishing, Clearwater, FL, in *Monitor Magazine*, November/December 1991, (copyright).

No. 1317. Retail Sales—

[In millions of dollars, except as indicated. Kind-of-business classification based on

REGION, DIVISION, AND STATE	ALL STORES [1]				FOOD STORES				GENERAL MERCHANDISE STORES			
	1990, total	1991			Total		Supermarkets		Total		Department stores	
		Total	Sales per household [2]									
			Amount (dol.)	Percent change, 1990-91	1990	1991	1990	1991	1990	1991	1990	1991
U.S.	**1,807,183**	**1,821,386**	**19,443**	**-0.2**	**362,667**	**370,255**	**340,455**	**347,716**	**211,806**	**217,494**	**167,761**	**173,960**
Northeast	**383,482**	**377,542**	**19,852**	**-1.9**	**80,089**	**81,392**	**72,943**	**74,160**	**38,527**	**38,815**	**31,392**	**31,889**
N.E	**112,582**	**110,944**	**22,236**	**-1.8**	**23,176**	**22,367**	**21,216**	**20,471**	**10,856**	**10,918**	**8,387**	**8,689**
ME	10,399	10,092	21,309	-3.8	2,414	2,299	2,284	2,177	865	875	594	610
NH	11,860	11,009	25,946	-8.6	2,532	2,314	2,413	2,206	1,250	1,213	887	875
VT	4,512	4,450	20,716	-2.4	1,040	1,007	978	947	296	304	206	212
MA	50,757	52,090	23,084	2.7	10,144	10,178	9,112	9,144	4,914	5,232	3,874	4,174
RI	7,325	6,760	17,753	-7.9	1,512	1,361	1,319	1,188	785	752	616	597
CT	27,729	26,544	21,415	-4.5	5,535	5,208	5,110	4,809	2,547	2,543	2,211	2,221
M.A	**270,900**	**266,598**	**19,004**	**-1.9**	**56,913**	**59,025**	**51,727**	**53,689**	**27,671**	**27,897**	**23,005**	**23,200**
NY	124,479	122,446	18,337	-1.8	26,457	27,261	23,612	24,345	12,572	12,504	10,073	10,099
NJ	63,431	63,210	22,428	-0.7	13,222	13,970	12,182	12,876	6,039	6,161	5,120	5,262
PA	82,990	80,942	17,856	-3.0	17,234	17,795	15,933	16,468	9,260	9,231	7,813	7,838
Midwest	**422,324**	**432,340**	**19,195**	**1.7**	**77,593**	**78,561**	**72,926**	**73,872**	**55,423**	**58,063**	**45,614**	**48,105**
E.N.C.	**298,075**	**303,829**	**19,322**	**1.3**	**53,229**	**53,901**	**49,703**	**50,366**	**38,647**	**40,347**	**32,367**	**34,044**
OH	73,206	76,295	18,534	3.7	14,304	14,820	13,453	13,943	9,808	10,490	8,038	8,673
IN	37,574	39,882	19,132	5.4	6,492	6,848	6,202	6,543	4,668	5,084	3,722	4,089
IL	83,479	84,710	20,058	1.1	14,490	14,534	13,491	13,536	9,986	10,332	8,467	8,832
MI	67,785	67,761	19,626	-0.7	11,420	11,360	10,443	10,397	9,739	9,988	8,607	8,879
WI	36,031	35,181	19,041	-3.3	6,523	6,340	6,114	5,947	4,446	4,452	3,533	3,572
W.N.C	**124,249**	**128,510**	**18,900**	**2.6**	**24,364**	**24,660**	**23,223**	**23,505**	**16,776**	**17,716**	**13,247**	**14,061**
MN	33,315	35,160	20,921	4.3	6,038	6,233	5,723	5,909	4,667	5,028	3,394	3,656
IA	18,818	19,512	18,288	3.2	4,084	4,146	3,926	3,986	2,430	2,573	1,916	2,041
MO	36,032	36,428	18,334	0.3	6,946	6,874	6,670	6,603	5,017	5,179	4,233	4,406
ND	4,467	4,670	19,434	4.3	819	837	788	806	601	641	466	503
SD	4,649	4,888	18,663	4.1	930	958	894	921	493	530	372	406
NE	10,313	10,693	17,649	3.1	2,072	2,105	1,861	1,888	1,326	1,404	1,064	1,139
KS	16,656	17,160	17,931	2.2	3,475	3,506	3,361	3,393	2,242	2,362	1,803	1,910
South	**607,087**	**617,011**	**18,943**	**0.3**	**125,704**	**128,021**	**120,043**	**122,273**	**74,534**	**76,591**	**58,272**	**60,491**
S.A	**325,787**	**328,762**	**19,327**	**-0.7**	**64,629**	**65,621**	**61,489**	**62,438**	**37,645**	**37,894**	**29,679**	**30,189**
DE	6,041	6,060	23,907	-1.0	1,088	1,101	1,009	1,022	860	860	745	751
MD	36,837	36,385	20,248	-2.6	7,045	7,004	6,616	6,579	4,388	4,324	3,493	3,470
DC	3,815	3,606	14,732	-4.1	637	604	573	543	348	327	301	284
VA	47,472	45,783	19,485	-4.8	9,856	9,571	9,517	9,244	5,373	5,170	4,168	4,047
WV	10,060	10,147	14,777	0.4	2,404	2,439	2,262	2,295	1,481	1,490	1,003	1,021
NC	45,756	46,078	17,862	-0.7	9,223	9,345	8,919	9,039	4,769	4,789	3,526	3,586
SC	23,754	24,220	18,795	0.6	5,126	5,260	4,953	5,085	2,541	2,584	1,925	1,988
GA	46,748	46,910	19,136	-1.4	9,019	9,115	8,700	8,795	5,809	5,820	4,708	4,751
FL	105,304	109,571	20,446	1.9	20,231	21,181	18,940	19,836	12,077	12,530	9,809	10,291
E.S.C	**96,459**	**97,307**	**17,010**	**-**	**18,482**	**19,319**	**17,621**	**18,425**	**13,030**	**13,760**	**10,077**	**10,757**
KY	23,861	24,098	17,358	0.4	4,810	5,028	4,593	4,802	3,269	3,448	2,520	2,684
TN	32,422	33,384	17,677	1.7	5,698	6,093	5,421	5,797	4,397	4,744	3,470	3,788
AL	26,373	26,132	17,130	-1.7	4,963	5,108	4,727	4,867	3,349	3,479	2,696	2,825
MS	13,803	13,692	14,916	-1.4	3,010	3,091	2,880	2,959	2,016	2,089	1,390	1,459
W.S.C	**184,842**	**190,942**	**19,404**	**2.1**	**42,593**	**43,081**	**40,933**	**41,411**	**23,859**	**24,937**	**18,516**	**19,545**
AR	15,386	15,584	17,281	0.4	3,406	3,381	3,293	3,268	2,196	2,252	1,825	1,885
LA	28,778	28,997	19,271	0.1	7,508	7,423	7,173	7,094	3,950	4,033	2,949	3,040
OK	20,218	20,200	16,678	-0.6	4,684	4,583	4,478	4,382	2,543	2,570	2,041	2,088
TX	120,459	126,161	20,275	3.3	26,995	27,694	25,989	26,667	15,171	16,082	11,702	12,533
West	**394,289**	**394,494**	**20,164**	**-1.5**	**79,282**	**82,280**	**74,543**	**77,411**	**43,323**	**44,025**	**32,482**	**33,475**
Mt	**94,172**	**96,491**	**18,546**	**0.4**	**20,409**	**21,898**	**19,689**	**21,130**	**10,827**	**11,441**	**8,166**	**8,764**
MT	5,333	5,473	17,810	1.9	1,240	1,331	1,198	1,287	518	548	398	426
ID	6,004	6,192	16,853	1.6	1,375	1,488	1,335	1,444	589	628	448	482
WY	2,726	2,794	16,543	1.4	575	617	562	604	284	301	209	226
CO	24,383	25,216	19,207	1.8	4,987	5,401	4,817	5,217	2,967	3,169	2,314	2,521
NM	9,378	9,645	17,217	1.0	1,944	2,096	1,854	2,000	1,103	1,170	784	845
AZ	26,137	26,893	18,797	0.5	5,916	6,371	5,728	6,169	2,975	3,153	2,071	2,246
UT	10,581	10,452	18,958	-2.8	2,367	2,452	2,270	2,353	1,288	1,313	1,006	1,031
NV	9,630	9,826	19,496	-2.2	2,007	2,142	1,926	2,057	1,103	1,159	935	989
Pac	**300,117**	**298,003**	**20,750**	**-2.1**	**58,872**	**60,383**	**54,854**	**56,281**	**32,496**	**32,585**	**24,316**	**24,711**
WA	36,762	37,717	19,575	1.1	8,010	8,476	7,669	8,116	3,945	4,077	2,938	3,082
OR	22,417	23,262	20,575	2.1	4,268	4,582	4,015	4,312	2,953	3,102	2,088	2,226
CA	225,066	220,871	20,563	-3.2	43,261	43,854	40,044	40,600	23,505	23,277	17,688	17,747
AK	4,669	4,740	24,197	-1.4	1,197	1,246	1,161	1,209	592	601	412	432
HI	11,204	11,412	31,095	-0.1	2,137	2,224	1,964	2,043	1,502	1,527	1,191	1,224

- Represents zero. [1] Includes other types of stores, not shown separately. [2] Based on number of households as of July 1 as estimated by source. [3] Includes hardware dealers. [4] Includes homefurnishings stores.

by Type of Store and State: 1990 and 1991

1987 Standard Industrial Classification code; see text, section 13. Data are estimates]

AUTOMOTIVE DEALERS		EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		BUILDING MATERIALS DEALERS [3]		APPAREL AND ACCESSORIES STORES		FURNITURE AND APPLIANCE STORES [4]		REGION, DIVISION, AND STATE
1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	
381,799	**375,641**	**182,107**	**189,190**	**131,381**	**128,270**	**92,730**	**92,731**	**94,645**	**95,346**	**92,595**	**89,836**	**U.S.**
76,991	**73,946**	**38,489**	**38,276**	**22,359**	**22,129**	**17,209**	**16,810**	**23,396**	**22,841**	**21,577**	**19,428**	**Northeast**
22,903	**22,691**	**12,059**	**12,954**	**6,855**	**6,801**	**6,032**	**5,885**	**5,861**	**5,573**	**5,801**	**4,925**	**N.E**
2,111	2,063	951	1,004	677	663	672	649	371	346	391	326	ME
2,658	2,494	1,038	1,052	599	563	806	744	482	430	686	533	NH
931	925	459	493	305	304	348	342	179	171	199	169	VT
10,175	10,476	6,093	6,774	2,900	2,993	2,333	2,376	2,900	2,859	2,605	2,339	MA
1,353	1,255	858	859	505	470	369	337	385	340	321	245	RI
5,676	5,480	2,660	2,773	1,869	1,809	1,505	1,437	1,544	1,427	1,599	1,312	CT
54,088	**51,255**	**26,430**	**25,322**	**15,504**	**15,328**	**11,176**	**10,925**	**17,535**	**17,268**	**15,776**	**14,503**	**M.A**
21,749	21,203	13,098	12,517	6,237	6,154	5,055	4,936	8,994	8,726	7,672	6,997	NY
14,185	13,354	5,656	5,505	3,839	3,852	2,499	2,481	4,288	4,338	4,037	3,793	NJ
18,154	16,698	7,675	7,300	5,428	5,322	3,623	3,508	4,253	4,204	4,066	3,714	PA
92,223	**92,098**	**40,526**	**43,143**	**37,823**	**37,493**	**23,966**	**23,900**	**19,807**	**20,579**	**19,620**	**19,057**	**Midwest**
64,296	**62,483**	**28,767**	**30,930**	**25,908**	**25,680**	**16,720**	**16,615**	**14,490**	**15,226**	**15,131**	**14,779**	**E.N.C**
15,950	15,863	7,184	7,910	6,596	6,690	3,889	3,958	3,018	3,250	3,499	3,507	OH
8,491	8,593	3,478	3,899	3,459	3,574	2,349	2,432	1,556	1,711	1,691	1,724	IN
17,140	16,501	8,189	8,736	6,563	6,446	4,307	4,244	4,991	5,206	4,466	4,335	IL
15,388	14,693	6,259	6,614	5,822	5,671	3,946	3,855	3,520	3,641	3,602	3,454	MI
7,328	6,833	3,656	3,770	3,468	3,299	2,229	2,127	1,404	1,418	1,873	1,759	WI
27,928	**29,615**	**11,759**	**12,214**	**11,916**	**11,813**	**7,246**	**7,286**	**5,318**	**5,353**	**4,489**	**4,278**	**W.N.C**
6,945	7,519	3,111	3,297	2,941	2,973	2,162	2,215	1,492	1,532	1,332	1,294	MN
4,305	4,582	1,691	1,762	1,918	1,907	1,056	1,063	790	797	615	587	IA
8,461	8,774	3,532	3,587	3,501	3,393	2,001	1,965	1,507	1,482	1,210	1,125	MO
1,063	1,139	403	423	478	479	282	286	199	202	128	123	ND
1,083	1,168	421	445	523	527	278	284	193	197	147	142	SD
2,229	2,373	1,034	1,078	1,027	1,023	536	541	447	452	437	418	NE
3,842	4,061	1,566	1,621	1,528	1,510	932	933	690	692	621	589	KS
136,393	**138,702**	**58,025**	**59,296**	**43,879**	**42,786**	**30,498**	**30,786**	**29,546**	**30,464**	**28,801**	**29,309**	**South**
70,886	**71,254**	**32,715**	**33,303**	**23,197**	**22,419**	**18,114**	**18,240**	**15,350**	**15,973**	**16,856**	**17,074**	**S.A**
1,242	1,240	540	547	360	346	360	360	258	267	314	317	DE
8,056	7,920	3,527	3,516	2,539	2,405	1,687	1,662	1,976	2,015	1,971	1,956	MD
170	159	910	865	147	132	71	67	343	334	205	194	DC
10,383	9,971	4,392	4,275	3,570	3,298	2,471	2,378	2,193	2,185	2,532	2,453	VA
2,020	2,027	827	841	814	787	630	633	358	372	376	380	WV
9,926	9,944	4,514	4,585	3,332	3,215	3,245	3,258	2,141	2,228	2,518	2,546	NC
4,839	4,908	2,313	2,379	1,943	1,899	1,603	1,631	1,232	1,297	1,175	1,203	SC
9,962	9,952	4,683	4,744	3,637	3,500	2,753	2,757	2,127	2,205	2,302	2,319	GA
24,288	25,134	11,008	11,553	6,855	6,837	5,294	5,494	4,722	5,070	5,462	5,707	FL
23,433	**22,350**	**8,390**	**8,556**	**7,431**	**7,268**	**5,087**	**5,127**	**4,677**	**4,693**	**4,230**	**4,306**	**E.S.C**
5,145	4,902	2,230	2,271	2,000	1,954	1,301	1,311	990	993	1,020	1,036	KY
8,256	8,046	2,912	3,031	2,563	2,562	1,683	1,733	1,586	1,627	1,565	1,625	TN
6,830	6,408	2,193	2,198	1,904	1,830	1,398	1,386	1,487	1,468	1,125	1,125	AL
3,202	2,995	1,056	1,056	964	922	705	697	614	605	520	519	MS
42,074	**45,097**	**16,920**	**17,438**	**13,252**	**13,099**	**7,297**	**7,419**	**9,519**	**9,798**	**7,715**	**7,930**	**W.S.C**
3,659	3,839	1,113	1,124	1,229	1,191	893	892	638	643	553	557	AR
5,566	5,815	2,552	2,567	2,015	1,943	1,169	1,161	1,373	1,379	1,159	1,161	LA
4,850	5,017	1,884	1,876	1,459	1,398	802	790	1,062	1,056	811	805	OK
27,999	30,426	11,370	11,870	8,549	8,567	4,432	4,576	6,447	6,721	5,192	5,407	TX
76,191	**70,898**	**45,068**	**48,475**	**27,320**	**25,863**	**21,058**	**21,234**	**21,896**	**21,463**	**22,598**	**22,042**	**West**
19,547	**18,359**	**9,681**	**10,302**	**7,016**	**6,936**	**5,199**	**5,514**	**4,349**	**4,374**	**4,797**	**4,765**	**Mt**
1,065	1,000	576	613	470	465	332	352	230	232	233	231	MT
1,331	1,260	549	588	511	509	382	409	261	265	282	282	ID
541	509	288	307	314	311	147	156	126	127	95	94	WY
4,915	4,664	2,732	2,930	1,707	1,704	1,237	1,323	1,159	1,178	1,313	1,317	CO
1,999	1,883	995	1,063	740	735	581	618	441	446	412	411	NM
5,556	5,239	2,611	2,787	1,782	1,769	1,360	1,447	1,103	1,114	1,403	1,399	AZ
2,185	1,978	940	965	847	808	570	588	562	546	617	594	UT
1,955	1,828	992	1,050	646	636	590	622	467	467	442	437	NV
56,644	**52,537**	**35,387**	**38,173**	**20,304**	**18,927**	**15,859**	**15,720**	**17,547**	**17,089**	**17,801**	**17,277**	**Pac**
6,503	6,229	4,155	4,627	2,650	2,552	2,190	2,240	1,977	1,989	1,957	1,964	WA
4,607	4,477	2,403	2,721	1,603	1,566	1,179	1,224	1,117	1,140	1,125	1,146	OR
43,475	39,890	26,290	28,044	15,110	13,916	11,908	11,670	13,289	12,808	14,153	13,607	CA
584	550	625	686	250	236	242	244	272	269	153	151	AK
1,476	1,390	1,913	2,095	692	655	339	343	892	883	413	409	HI

Source: Market Statistics, New York, NY, *The Survey of Buying Power Data Service*, annual (copyright).

No. 1318. Retail Trade—Summary of Establishments, by State: 1990

[Covers establishments with payroll. Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III. Kind-of-business classification based on 1987 Standard Industrial Classification code; see text, section 13]

DIVISION AND STATE	Establishments (1,000)	Paid employees [1] (1,000)	Annual payroll (mil. dol.)	DIVISION AND STATE	Establishments (1,000)	Paid employees [1] (1,000)	Annual payroll (mil. dol.)	DIVISION AND STATE	Establishments (1,000)	Paid employees [1] (1,000)	Annual payroll (mil. dol.)
U.S	**1,529.7**	**19,815**	**241,710**	IA	19.9	236	2,346	MS	15.3	155	1,584
N.E	**91.9**	**1,165**	**15,467**	MO	32.9	419	4,760	**W.S.C.**	**155.0**	**1,957**	**22,566**
ME	9.4	101	1,220	ND	5.0	51	493	AR	14.9	160	1,814
NH	8.7	106	1,334	SD	5.2	55	540	LA	22.8	268	3,041
VT	5.2	51	589	NE	11.6	133	1,292	OK	19.4	215	2,246
MA	39.6	546	7,358	KS	16.8	201	2,178	TX	97.9	1,294	15,465
RI	6.8	80	950	**S.A**	**280.9**	**3,719**	**43,855**	**Mt**	**84.5**	**1,090**	**12,634**
CT	22.1	280	4,017	DE	4.7	63	762	MT	6.1	60	620
M.A	**234.6**	**2,787**	**37,037**	MD	28.1	412	5,563	ID	6.7	74	814
NY	112.5	1,234	17,137	DC	3.9	56	806	WY	3.4	35	376
NJ	49.5	610	8,946	VA	37.4	525	6,261	CO	22.3	281	3,366
PA	72.6	943	10,954	WV	10.7	115	1,190	NM	9.0	111	1,196
E.N.C	**247.4**	**3,463**	**39,902**	NC	44.6	555	6,118	AZ	21.2	298	3,477
OH	63.9	911	10,253	SC	22.4	276	2,949	UT	8.7	128	1,391
IN	33.6	466	4,936	GA	41.2	548	6,274	NV	7.1	102	1,393
IL	65.4	919	11,597	FL	88.0	1,169	13,932	**Pac**	**224.0**	**3,052**	**42,499**
MI	52.5	752	8,779	**E.S.C**	**92.4**	**1,091**	**11,669**	WA	29.7	386	5,147
WI	32.0	416	4,337	KY	22.4	275	2,815	OR	18.6	237	2,931
W.N.C	**119.1**	**1,491**	**16,060**	TN	30.7	387	4,350	CA	164.5	2,277	32,212
MN	27.7	396	4,440	AL	23.9	274	2,951	AK	3.5	38	648
								HI	7.7	114	1,560

[1] For pay period including March 12.
Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1319. Wholesale Trade—Summary: 1958 to 1987

[Data prior to 1972 based on earlier editions of Standard Industrial Classification (SIC) code. Comparability of data over time is affected by changes in the SIC code; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279]

ITEM	Unit	1958	1963	1967	1972 [1]	1977 [1]	1982 [1]	1987 [1]	1987 [2]
Firms, total [3]	1,000	(NA)	232	233	276	289	335	(NA)	364
Establishments, total [3]	1,000	287	306	311	370	383	435	467	470
With sales of $1,000,000 or more	1,000	(NA)	62	75	103	152	(NA)	(NA)	222
Sales, all establishments	Bil. dol.	286	358	460	695	1,258	1,996	2,524	2,525
Merchant wholesalers	Bil. dol.	122	157	206	354	678	1,159	1,477	1,478
Inventories, end of year	Bil. dol.	15.0	20.1	28.1	45.7	82.3	130.7	(NA)	165.1
Payroll, entire year	Bil. dol.	13.2	18.1	23.9	36.9	58.3	95.2	133.2	133.4
Paid employees, Mar. 12 workweek [4]	1,000	2,808	3,089	3,519	4,026	4,397	4,985	5,581	5,596

NA Not available. [1] Based on 1972 SIC code. [2] Based on 1987 SIC code. [3] Through 1977 number of firms and establishments in business at end of year; beginning 1982 number of firms and establishments in business at any time during year. [4] 1958 and 1963 data for workweek including Nov. 15.

No. 1320. Wholesale Trade, by Type of Operation and Kind of Business: 1982 and 1987

[Based on 1972 Standard Industrial Classification code; see text, section 13. See *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-369 for similar but not comparable data]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS [1] (1,000)		SALES (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES [2] (1,000)	
	1982	1987	1982	1987	1982	1987	1982	1987
Wholesale trade	**435.1**	**466.7**	**1,997,895**	**2,523,688**	**95,209**	**133,153**	**4,985**	**5,581**
Durable goods	**267.4**	**292.8**	**881,212**	**1,258,483**	**57,368**	**82,248**	**2,913**	**3,303**
Motor vehicles, automotive equipment	41.1	43.0	187,607	(D)	7,524	(D)	433	(D)
Furniture, home furnishings	13.1	14.5	32,452	48,123	2,367	3,652	126	153
Lumber, construction materials	17.9	19.1	50,694	79,946	3,429	5,476	184	231
Sporting, recreational, photographic goods [3]	7.6	8.9	26,980	40,965	1,646	2,312	85	97
Metals and minerals, except petroleum	10.6	11.1	102,690	114,528	3,359	4,038	148	143
Electrical goods	30.4	35.3	120,062	(D)	7,462	(D)	357	(D)
Hardware, plumbing, heating equipment	21.6	23.1	43,529	57,126	4,051	5,610	217	235
Machinery, equipment, supplies	103.4	114.4	263,309	336,976	24,804	35,612	1,192	1,353
Miscellaneous	21.7	23.4	53,889	75,506	2,726	3,777	171	184
Nondurable goods	**167.8**	**173.9**	**1,116,683**	**1,265,205**	**37,841**	**50,905**	**2,072**	**2,278**
Paper, paper products	14.5	16.8	53,493	83,173	3,586	5,202	187	228
Drugs, drug proprietaries [4]	4.0	4.9	33,987	64,280	1,975	2,968	106	120
Apparel, piece goods, notions	15.0	16.9	55,897	81,476	2,897	4,661	144	181
Groceries and related products	40.4	42.1	288,659	380,945	12,269	16,729	674	763
Farm-product raw materials	14.4	12.6	153,419	117,606	1,839	1,847	136	117
Chemicals, allied products	11.2	12.7	76,103	94,620	2,902	3,847	124	131
Petroleum, petroleum products	20.3	16.7	296,995	234,874	3,433	3,658	188	175
Beer, wines, distilled alcoholic beverages	6.7	5.8	42,122	49,433	3,091	3,849	141	146
Miscellaneous	41.2	45.3	116,008	158,800	5,849	8,143	372	417

D Data withheld to avoid disclosure. [1] Number of establishments in business at any time during the year. [2] For pay period including March 12. [3] Includes toys, hobby goods, and supplies. [4] Includes druggists sundries.
Source of tables 1319 and 1320: U.S. Bureau of the Census, *U.S. Census of Business: 1958*, vol. III; *1963*, vol. IV; *1967*, vol. III; and *Census of Wholesale Trade: 1972*, vol. I; *1977*, WC77-A-52; *1982*, WC82-A-52; and *1987*, WC87-A-52.

No. 1321. Merchant Wholesalers—Summary: 1987 to 1992

[**Inventories and stock/sales ratios**, as of **December, seasonally adjusted**. Data reflect latest revision. Based on Current Business Survey; see Appendix III. See *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data]

1987 SIC code [1]	KIND OF BUSINESS	1987	1988	1989	1990	1991	1992
	SALES (bil. dol.)						
	Merchant wholesalers	**1,492.1**	**1,624.3**	**1,729.9**	**1,793.9**	**1,771.6**	**1,828.0**
50	**Durable goods**	**747.1**	**813.3**	**859.0**	**884.6**	**859.5**	**904.5**
501	Motor vehicles and automotive equipment	156.2	166.4	166.2	172.1	164.5	167.7
502	Furniture and homefurnishings	26.9	30.1	31.9	33.9	32.3	33.0
503	Lumber and other construction material	58.4	62.5	65.1	67.3	63.1	67.7
504	Professional and commercial equipment and supplies	84.7	93.5	108.3	112.1	121.0	130.7
505	Metals and minerals, except petroleum	67.6	78.0	78.2	74.9	70.9	73.8
506	Electrical goods	91.7	100.7	113.4	117.8	117.0	119.9
507	Hardware, plumbing and heating equipment	41.4	44.4	47.3	50.2	46.7	47.8
508	Machinery, equipment and supplies	120.0	142.2	156.3	168.5	160.8	170.1
509	Miscellaneous durable goods	100.2	95.4	92.3	87.9	83.1	93.8
51	**Nondurable goods**	**745.0**	**810.9**	**870.9**	**909.2**	**912.1**	**923.5**
511	Paper and paper products	40.8	46.6	50.0	50.7	50.7	51.0
512	Drugs, drug proprietaries and druggists' sundries	34.0	40.1	44.9	51.1	58.9	64.3
513	Apparel, piece goods and notions	46.6	53.7	63.1	67.6	68.6	73.4
514	Groceries and related products	223.0	236.0	259.1	272.5	277.0	274.8
515	Farm-product raw materials	102.2	124.2	119.9	108.2	105.8	109.1
516	Chemicals and allied products	26.5	34.2	32.8	35.0	35.8	37.4
517	Petroleum and petroleum products	124.9	118.9	130.0	139.4	126.9	125.8
518	Beer, wine, and distilled beverages	41.6	44.0	46.9	51.7	55.0	56.5
519	Miscellaneous nondurable goods	105.5	113.4	124.0	132.9	133.5	131.1
	INVENTORIES (bil. dol.)						
	Merchant wholesalers	**165.8**	**180.5**	**188.5**	**196.9**	**201.3**	**209.2**
50	**Durable goods**	**110.0**	**118.9**	**124.0**	**128.0**	**129.0**	**134.2**
501	Motor vehicles and automotive equipment	21.2	22.5	22.0	23.7	24.3	24.4
502	Furniture and homefurnishings	4.2	4.6	4.7	4.7	4.6	4.7
503	Lumber and other construction material	5.5	5.9	6.3	6.3	6.3	6.8
504	Professional and commercial equipment and supplies	11.7	13.0	14.7	15.6	16.5	16.5
505	Metals and minerals, except petroleum	8.7	10.6	10.7	10.4	9.5	10.1
506	Electrical goods	13.0	14.1	15.5	16.0	16.6	17.8
507	Hardware, plumbing and heating equipment	6.6	7.1	7.9	8.1	7.9	7.6
508	Machinery, equipment and supplies	27.7	30.4	31.7	34.0	32.9	35.4
509	Miscellaneous durable goods	11.4	10.6	10.5	9.3	10.3	11.0
51	**Nondurable goods**	**55.8**	**61.7**	**64.5**	**68.9**	**72.3**	**75.0**
511	Paper and paper products	3.5	4.1	4.5	4.9	5.0	5.3
512	Drugs, drug proprietaries and druggists' sundries	4.8	5.3	5.8	6.3	7.4	8.7
513	Apparel, piece goods and notions	7.7	8.2	9.9	10.4	10.3	11.6
514	Groceries and related products	12.5	12.8	14.0	14.6	15.5	15.9
515	Farm-product raw materials	7.2	9.2	8.2	8.7	9.0	8.0
516	Chemicals and allied products	2.5	2.9	2.6	2.9	2.9	3.1
517	Petroleum and petroleum products	3.4	3.5	3.5	4.1	4.0	3.9
518	Beer, wine, and distilled beverages	4.0	4.1	4.3	4.6	5.0	4.4
519	Miscellaneous nondurable goods	10.2	11.5	11.7	12.5	13.2	14.1
	STOCK/SALES RATIO						
	Merchant wholesalers	**1.29**	**1.28**	**1.28**	**1.32**	**1.36**	**1.35**
50	**Durable goods**	**1.74**	**1.66**	**1.72**	**1.76**	**1.79**	**1.72**
501	Motor vehicles and automotive equipment	1.60	1.57	1.68	1.68	1.81	1.70
502	Furniture and homefurnishings	1.78	1.66	1.74	1.70	1.79	1.55
503	Lumber and other construction material	1.09	1.06	1.19	1.26	1.17	1.08
504	Professional and commercial equipment and supplies	1.65	1.53	1.53	1.60	1.58	1.47
505	Metals and minerals, except petroleum	1.44	1.55	1.79	1.63	1.60	1.61
506	Electrical goods	1.75	1.55	1.55	1.69	1.71	1.72
507	Hardware, plumbing and heating equipment	1.86	1.83	1.94	1.91	2.01	1.99
508	Machinery, equipment and supplies	2.72	2.39	2.38	2.46	2.41	2.39
509	Miscellaneous durable goods	1.35	1.35	1.34	1.30	1.49	1.35
51	**Nondurable goods**	**0.86**	**0.88**	**0.85**	**0.89**	**0.95**	**0.97**
511	Paper and paper products	0.92	1.03	1.05	1.16	1.17	1.25
512	Drugs, drug proprietaries and druggists' sundries	1.61	1.48	1.42	1.44	1.40	1.51
513	Apparel, piece goods, and notions	1.86	1.74	1.71	1.75	1.84	1.78
514	Groceries and related products	0.64	0.59	0.63	0.65	0.67	0.68
515	Farm-product raw materials	0.81	0.90	0.88	1.00	1.04	0.85
516	Chemicals and allied products	0.98	1.06	0.91	0.95	0.97	0.97
517	Petroleum and petroleum products	0.34	0.37	0.29	0.33	0.39	0.40
518	Beer, wine, and distilled beverages	1.13	1.09	1.06	0.97	1.04	0.96
519	Miscellaneous nondurable goods	1.11	1.17	1.07	1.13	1.19	1.41

[1] Based on 1987 Standard Industrial Classification code; see text, section 13.

Source: U.S. Bureau of the Census, *Current Business Reports, Combined Annual and Revised Monthly Wholesale Trade, January 1986 Through 1992*, (BW/92-RV).

No. 1322. Service Industries—Summary of Establishments, by Tax Status: 1987

[Data for firms subject to Federal income tax cover all establishments, except as noted. Data for firms exempt from Federal income tax cover only establishments with payroll. See *Historical Statistics, Colonial Times to 1970*, series T 391-443, for similar but not comparable data]

1987 SIC code [1]	KIND OF BUSINESS	Establishments [2] (1,000)	Receipts or revenues [3] (mil. dol.)	Annual payroll (mil. dol.)	Paid employees [4] (1,000)	Receipts or revenues per establishment [3] ($1,000)	Annual payroll per employee (dol.)
(X)	**Firms subject to Federal income tax [5]**	**6,254.5**	**868,343**	**289,807**	**16,054.7**	**138.8**	**18,051**
70 ex. 704	Hotels, rooming houses, camps, and other lodging places [5 6]	85.7	53,630	14,452	1,410.8	625.8	10,244
701	Hotels and motels	63.4	51,633	14,135	1,380.2	814.4	10,241
72	Personal services [5]	1,037.4	43,247	10,853	1,105.0	41.7	9,822
721	Laundry, cleaning, and garment services	108.6	14,184	4,388	408.3	130.6	10,746
722	Photographic studios, portrait	56.2	2,929	514	50.1	52.1	10,253
723, 4	Beauty and barber shops	407.3	11,990	3,538	390.7	29.4	9,055
726	Funeral service and crematories	22.3	5,668	1,362	82.6	254.2	16,479
73	Business services [5]	1,433.2	188,856	66,456	4,414.4	131.8	15,054
731	Advertising	79.2	16,802	5,537	181.6	212.1	30,493
732	Credit reporting and collection	[7]7.1	[7]4,124	1,415	82.8	[7]582.8	17,078
733	Mailing, reproduction, stenographic	[7]27.2	[7]12,407	3,945	210.6	[7]455.6	18,729
734	Services to dwellings and other buildings	290.4	15,649	6,555	746.0	53.9	8,788
735	Miscellaneous equipment rental and leasing	49.1	15,472	3,579	185.3	315.1	19,319
736	Personnel supply services	43.2	20,336	13,590	1,397.1	470.7	9,727
737	Computer and data processing services	140.5	56,004	19,142	637.4	398.6	30,031
7381, 2	Detective agencies and protective services	45.2	9,303	5,040	475.8	205.8	10,594
75	Automotive repair, services, and parking	388.2	58,278	11,690	785.3	150.1	14,886
751	Automotive rental and leasing, without drivers	19.9	16,679	2,366	134.6	838.1	17,578
752	Automobile parking	10.5	2,691	491	45.7	256.3	10,751
753	Automotive repair shops	301.3	34,182	7,727	485.6	113.4	15,913
754	Automotive services, except repair	56.4	4,726	1,106	119.4	83.8	9,258
76	Miscellaneous repair services [5]	247.6	24,597	6,416	345.8	99.3	18,551
762	Electrical repair shops	65.7	7,584	2,107	107.4	115.4	19,618
78, 79, 84	Amusement and recreation services [5 6]	467.0	64,524	15,474	1,094.4	138.2	14,139
781, 2	Motion picture prod., distribution, services	37.1	20,778	4,973	171.3	560.1	29,029
783	Motion picture theaters	8.6	4,056	584	94.1	471.6	6,211
784	Video tape rental	24.7	2,920	581	79.6	118.2	7,300
792	Producers, orchestras, entertainers [9]	186.9	7,725	1,607	55.2	41.3	29,092
793	Bowling centers	8.3	2,597	702	99.8	313.1	7,039
794	Commercial sports	50.6	5,966	2,047	75.5	117.9	27,106
7991	Physical fitness facilities	22.3	2,721	745	104.9	122.0	7,097
7996	Amusement parks	[7]0.7	[7]3,470	820	60.4	[7]4,663.8	13,566
7997	Membership sports and recreation clubs	[7]7.7	[7]3,700	1,173	112.7	[7]483.1	10,403
80	Health services [5]	800.6	196,211	78,820	3,592.5	245.1	21,940
801	Offices and clinics of doctors of medicine	297.7	96,698	43,856	1,131.6	324.8	38,756
802	Offices and clinics of dentists	131.3	25,258	8,760	491.5	192.4	17,822
8041	Offices and clinics of chiropractors	31.4	3,707	900	58.0	118.0	15,504
8042	Offices and clinics of optometrists	23.1	3,755	893	57.9	162.8	15,429
805	Nursing and personal care facilities	38.3	20,570	9,465	961.6	537.1	9,843
806	Hospitals	[7]1.4	[7]19,720	6,582	366.5	[7]14,136.2	17,958
807	Medical and dental laboratories	[7]14.8	[7]7,114	2,567	131.8	[7]479.4	19,474
808	Home health care services	[7]5.1	[7]3,024	1,578	184.8	[7]595.3	8,542
81	Legal services	273.2	72,115	26,078	807.6	264.0	32,291
823, 4, 9	Selected educational services [5]	155.9	6,102	1,657	109.4	39.1	15,144
824	Vocational schools	[7]3.7	[7]3,058	1,086	65.3	[7]826.1	16,637
83	Social services [5]	319.5	9,561	2,971	357.3	29.9	8,315
835	Child day care services	248.7	4,284	1,307	199.7	17.2	6,547
871	Engineering and architectural services	195.3	57,051	23,175	747.0	292.1	31,024
872	Accounting, auditing, and bookkeeping services	250.1	26,612	10,204	448.1	106.4	22,768
873 ex. 8733	Research and testing services [10]	[7]12.4	[7]14,184	5,615	222.2	[7]1,144.8	25,266
874	Management and public relations services	418.8	43,381	14,515	551.8	103.6	26,303
(X)	**Firms exempt from Federal income tax [5]**	**175.8**	**267,490**	**117,976**	**6,736.7**	**1,521.3**	**17,513**
7997	Membership sports and recreation clubs	6.5	3,694	1,467	116.4	564.0	12,607
84	Museums, botanical, zoological gardens	2.7	2,597	778	52.1	961.9	14,933
805	Nursing and personal care facilities	4.1	8,201	4,264	371.5	1,995.5	11,479
806	Hospitals	5.9	172,001	82,342	3,964.1	29,137.9	20,772
83	Social services [5]	63.0	31,552	11,617	1,109.5	500.8	10,470
832	Individual and family social services	21.9	8,585	3,629	312.7	392.7	11,606
833	Job training and related services	5.0	3,664	1,741	238.2	732.0	7,307
836	Residential care	10.5	6,125	2,768	240.5	584.8	11,507
861	Business associations	12.3	6,756	1,996	87.5	549.3	22,819
862	Professional membership organizations	5.6	4,110	1,133	49.3	732.6	22,981
864	Civic, social, and fraternal associations	40.4	8,569	2,779	322.9	212.0	8,604
873	Research and testing services	3.2	8,303	3,088	107.8	2,623.5	28,643

X Not applicable. [1] Based on 1987 Standard Industrial Classification; see text, section 13. [2] Represents the number of establishments in business at any time during year. [3] Receipts refer to establishments subject to Federal income tax. Revenues refer to establishments exempt from Federal income tax. [4] For pay period including March 12. [5] Includes other kinds of businesses, not shown separately. [6] Excludes membership lodging. [7] Covers only establishments with payroll. [8] Includes motion pictures and museums. [9] Excludes motion picture producers. [10] Excludes noncommercial research organizations.

Source: U.S. Bureau of the Census, *1987 Census of Service Industries*, SC87-A-52 and SC87-N-1.

No. 1323. Selected Service Industries—Summary: 1982 and 1987

[For establishments with payroll]

1972 SIC code [1]	KIND OF BUSINESS	ESTABLISHMENTS [2] (1,000)		RECEIPTS OR EXPENSES [3] (mil. dol.)		PAID EMPLOYEES [4] (1,000)	
		1982	1987	1982	1987	1982	1987
(X)	**Firms subject to Federal income tax [5]**	**1,339.2**	**1,624.6**	**426,982**	**752,474**	**11,106**	**15,688**
70	Hotels, rooming houses, camps, and other lodging places	44.3	46.8	33,215	51,865	1,102	1,411
72	Personal services	179.6	196.1	22,980	35,133	970	1,209
73	Business services	230.1	339.3	106,866	216,807	3,152	5,250
75	Automotive repair, services, and parking	123.6	151.2	30,695	51,423	553	785
76	Miscellaneous repair services	58.2	65.5	14,133	20,838	300	346
78, 79	Amusement and recreation services [6]	73.0	74.3	33,115	52,808	804	929
80 ex. 806	Health services, except hospitals	360.4	405.4	95,610	162,569	2,433	3,226
81	Legal services	122.7	138.2	34,325	66,998	569	808
823, 4, 9	Selected educational services	7.8	10.6	2,400	4,882	68	109
83	Social services	29.7	43.1	3,636	7,330	222	357
891	Engineering, architectural, surveying services	47.6	62.3	34,315	53,563	581	747
893	Accounting, auditing, and bookkeeping services	55.3	69.8	14,596	24,483	330	448
(X)	**Firms exempt from Federal income tax [5]**	**151.6**	**169.9**	**54,522**	**87,448**	**2,280**	**2,773**
805, 8, 9	Selected health services	10.2	13.2	10,438	19,084	476	684
83	Social services	54.2	63.0	16,455	26,884	904	1,110
861,2,4,9	Selected membership organizations	63.2	68.0	15,093	22,028	493	539

X Not applicable. [1] Based on 1972 Standard Industrial Classification; see text, section 13. [2] Number of establishments in business at any time during the year. [3] Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax. [4] For pay period including March 12. [5] Excludes hospitals. Includes other kinds of business, not shown separately. [6] Includes motion pictures.

Source: U.S. Bureau of the Census, *1987 Census of Service Industries*, Geographic Area Series, SC87-A-52.

No. 1324. Selected Service Industries—Revenue and Expenses for Tax-Exempt Firms: 1990 and 1991

[**In billions of dollars**. Estimated from a sample of employer firms only]

1987 SIC code [1]	KIND OF BUSINESS	REVENUE		EXPENSES	
		1990	1991	1990	1991
792,7991, 7997,7999	Selected amusement and recreation services [2]	8.2	8.5	8.1	8.5
805	Nursing and personal care facilities	9.3	10.5	9.2	10.3
806	Hospitals	247.2	274.4	217.4	238.6
808	Home health care services	3.2	3.9	3.1	3.6
809	Health and allied services, n.e.c.	4.5	5.0	4.6	5.2
83	Social services	44.6	48.3	39.8	43.5
8322	Individual and family social services	12.8	14.2	12.2	13.7
8331	Job training and related services	5.1	5.6	4.8	5.5
8351	Child day care services	2.9	3.2	3.0	3.2
8361	Residential care	8.6	9.3	8.4	9.2
84	Museums, botanical, zoological gardens	2.9	3.1	2.7	3.0
86 (pt)	Selected membership organizations [3]	34.0	36.1	29.3	31.8
873	Research and testing services	12.1	13.0	11.3	12.3

[1] Standard Industrial Classification; see text, section 13. [2] Covers theatrical producers, bands, orchestras, and entertainers (SIC 792); physical fitness facilities (SIC 7991); membership sports and recreation clubs (SIC 7997); and amusement and recreation services, not elsewhere classified (SIC 7999). [3] Includes business associations (SIC 861); professional membership organizations (SIC 862); civic, social, and fraternal organizations (SIC 864); and other membership organizations, except labor unions and political and religious organizations (SIC 869).

Source: U.S. Bureau of the Census, *Current Business Reports, Service Annual Survey: 1991* (BS/91-1).

No. 1325. National Nonprofit Associations—Number, by Type: 1980 to 1992

[Data compiled during last few months of year previous to year shown and the beginning months of year shown]

TYPE	1980	1985	1990	1992	TYPE	1980	1985	1990	1992
Total	**14,726**	**19,121**	**22,269**	**22,455**	Fraternal, foreign interest, nationality, ethnic	435	492	573	561
Trade, business, commercial	3,118	3,719	3,918	3,851	Religious	797	953	1,172	1,175
Agriculture	677	882	940	1,082	Veteran, hereditary, patriotic	208	281	462	586
Legal, governmental, public admin., military	529	658	792	790	Hobby, avocational	910	1,311	1,475	1,504
Scientific, engineering, tech	1,039	1,270	1,417	1,365	Athletic sports	504	737	840	845
Educational	[1]2,376	[1]2,822	1,291	1,294	Labor unions	235	252	253	249
Cultural	([1])	([1])	1,886	1,887	Chambers of Commerce [2]	105	142	168	168
Social welfare	994	1,450	1,705	1,773	Greek and non-Greek letter societies	318	331	340	339
Health, medical	1,413	1,886	2,227	2,290	Fan clubs	(NA)	(NA)	581	506
Public affairs	1,068	1,935	2,249	2,190					

NA Not available. [1] Data for cultural associations included with educational associations. [2] National and binational.

Source: Gale Research Inc., Detroit, MI. Compiled from *Encyclopedia of Associations*, annual, (copyright).

No. 1326. Services—Establishments, Employees, and Payroll: 1988 to 1990

[Covers establishments with payroll. Excludes government employees, railroad employees, self-employed persons, etc. For statement on methodology, see Appendix III]

1987 SIC code [1]	KIND OF BUSINESS	ESTABLISHMENTS (1,000)			EMPLOYEES (1,000)		PAYROLL (bil. dol.)	
		1988	1989	1990	1989	1990	1989	1990
(I)	**Services, total** [2]	**1,937.5**	**1,977.3**	**2,059.3**	**27,339**	**28,800**	**543.8**	**599.4**
70	Hotels and other lodging places [2]	49.0	50.0	50.6	1,468	1,529	17.4	19.1
701	Hotels and motels	38.8	39.5	39.2	1,409	1,463	16.7	18.3
72	Personal services [2]	177.3	181.2	186.1	1,142	1,196	12.5	13.5
721	Laundry, cleaning, and garment services [2]	48.1	49.4	50.4	409	418	4.9	5.2
7215	Coin-operated laundries and cleaning	11.7	11.6	11.1	45	45	0.4	0.4
7216	Drycleaning plants, except rug	19.4	19.6	17.6	156	148	1.6	1.6
723	Beauty shops	75.3	74.9	76.1	357	371	3.6	3.9
726	Funeral service and crematories	15.1	15.1	14.9	85	85	1.6	1.7
73	Business services [2]	250.5	263.6	292.3	4,749	5,119	87.1	98.1
731	Advertising	17.9	17.7	19.1	199	204	6.8	7.3
7311	Advertising agencies	12.0	11.0	11.1	139	137	5.1	5.4
733	Mailing, reproduction, stenographic	25.2	24.5	26.2	221	233	4.7	5.1
734	Services to buildings	44.0	45.3	48.5	765	802	7.7	8.3
735	Miscellaneous equipment rental and leasing	24.0	22.3	22.6	207	209	4.7	4.9
736	Personnel supply services [2]	24.4	25.2	27.0	1,390	1,518	18.1	20.6
7361	Employment agencies	11.8	12.0	12.8	202	247	3.4	4.3
7363	Help supply services	12.6	12.5	13.3	1,154	1,210	14.3	15.6
737	Computer and data processing services [2]	37.9	37.8	40.5	722	773	25.0	28.5
7371	Computer programming services	13.2	12.1	12.4	206	217	8.1	8.9
7374	Data processing and preparation	6.8	6.6	6.8	223	229	5.8	6.4
738	Miscellaneous business services	60.5	55.4	62.7	1,019	1,093	15.6	17.2
7381	Detective and armored car services	9.4	8.9	9.4	438	467	4.7	5.2
75	Automotive repair, services, and parking [2]	145.5	151.1	156.6	843	877	14.0	15.2
751	Automotive rentals, no drivers	11.4	10.7	10.5	144	147	2.8	2.9
753	Automotive repair shops [2]	108.2	111.2	112.7	495	507	9.0	9.6
7532	Top and body repair and paint shops	30.7	30.3	30.5	161	164	3.1	3.2
7538	General automotive repair shops	52.2	54.4	54.8	211	214	3.6	3.8
754	Automotive services, except repair	15.5	16.3	18.1	140	145	1.4	1.5
76	Miscellaneous repair services	61.8	62.9	67.4	373	403	7.8	8.7
762	Electrical repair shops	17.1	16.5	17.2	111	115	2.5	2.6
78	Motion pictures [2]	33.5	35.2	35.4	348	430	6.9	8.6
781	Motion picture production and services	9.0	8.8	9.2	129	189	4.6	5.9
784	Video tape rental	15.5	17.2	16.4	96	103	0.7	0.8
79	Amusement and recreation services [2]	70.5	70.3	75.2	956	1,032	14.1	16.1
7997	Membership sports and recreation clubs	13.5	13.1	13.1	232	242	3.2	3.4
80	Health services [2]	417.2	425.1	436.7	8,430	8,811	195.6	213.8
801	Offices and clinics of medical doctors	192.0	192.2	193.6	1,304	1,387	55.7	63.0
802	Offices and clinics of dentists	102.2	103.3	104.7	513	533	10.6	11.6
8041	Offices and clinics of chiropractors	20.1	21.7	22.9	67	73	1.2	1.3
8042	Offices and clinics of optometrists	15.3	15.0	15.3	59	63	1.0	1.1
805	Nursing and personal care facilities	18.0	18.2	19.1	1,420	1,461	16.6	18.6
806	Hospitals	5.2	6.2	6.3	4,197	4,325	94.5	99.2
807	Medical and dental laboratories	14.3	14.6	14.4	149	158	3.4	3.8
808	Home health care services	7.5	7.5	7.7	318	351	3.9	4.8
81	Legal services	135.7	137.3	142.4	892	932	32.9	36.0
82	Educational services [2]	33.2	34.1	36.0	1,704	1,755	27.2	29.5
821	Elementary and secondary schools	14.5	14.3	14.3	440	451	6.1	6.6
822	Colleges and universities	3.0	3.1	3.0	1,055	1,082	17.8	19.2
83	Social services [2]	104.8	108.5	115.6	1,630	1,750	18.4	20.9
832	Individual and family services	25.9	26.0	27.6	377	408	4.9	5.6
833	Job training and related services	6.7	6.6	6.9	280	289	2.5	2.8
835	Child day care services	39.2	38.8	39.0	383	405	3.1	3.4
836	Residential care	19.3	19.7	21.0	388	417	4.8	5.4
86	Membership organizations [2]	214.3	219.7	218.2	1,837	1,892	20.9	22.6
861	Business associations	12.0	12.2	12.7	95	99	2.5	2.7
863	Labor organizations	20.0	19.5	19.2	179	176	2.6	2.7
864	Civic and social associations	39.0	39.6	40.0	346	366	3.4	3.7
866	Religious organizations	126.8	131.8	128.8	1,072	1,096	9.4	10.1
87	Engineering and management services [2]	199.0	189.6	201.1	2,384	2,473	72.7	79.8
8711	Engineering services	35.6	32.7	33.1	624	652	22.5	24.9
8712	Architectural services	17.1	16.0	15.7	143	140	4.7	4.8
872	Accounting, auditing, and bookkeeping	66.2	64.9	67.9	509	524	12.7	13.8
873	Research and testing services	15.1	13.9	14.9	371	393	11.1	12.3
8731	Commercial physical research	3.9	3.4	3.7	159	165	6.0	6.5
8741	Management services	17.1	15.1	15.3	285	286	7.3	7.7
8742	Management consulting services	26.0	22.7	24.5	217	226	7.7	8.6

[1] Based on 1987 Standard Industrial Classification; see text, section 13. [2] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *County Business Patterns*, annual.

No. 1327. Service Industries—Annual Receipts of Taxable Firms: 1985 to 1991

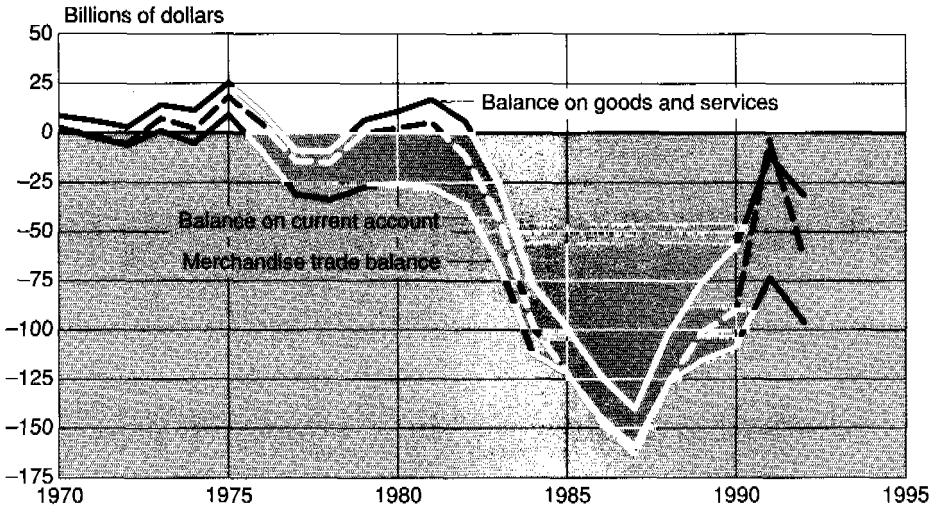
[In billions of dollars. Covers employer and nonemployer firms except as noted. Estimated]

1987 SIC code [1]	KIND OF BUSINESS	1985	1986	1987	1988	1989	1990	1991
70, ex. 704	Hotels and other lodging places [2]	45.4	47.6	53.6	57.6	59.0	60.7	60.5
701	Hotels and motels	43.5	45.8	51.6	55.5	56.9	58.5	58.3
72	Personal services [3]	36.7	39.6	43.2	48.4	52.1	55.4	54.6
721	Laundry, cleaning, and garment services	12.8	13.3	14.2	15.5	16.3	17.0	17.2
7231	Beauty shops	9.0	9.7	10.6	11.3	12.1	12.1	12.1
7261	Funeral service and crematories	5.2	5.4	5.7	6.3	6.5	7.0	7.4
73	Business services [3]	155.9	170.4	188.9	222.4	249.0	276.2	282.0
731	Advertising	14.9	15.8	16.8	18.8	20.0	21.6	20.8
7311	Advertising agencies	11.1	11.7	12.0	13.8	15.0	16.3	15.5
732	Credit reporting and collection	4.4	4.7	5.5	5.8	6.3	6.9	7.1
733	Mailing, reproduction, stenographic [3]	13.6	14.8	16.6	18.2	19.4	21.0	20.8
7331	Direct mail advertising services	4.4	5.1	5.5	6.4	6.4	7.1	7.2
7336	Commercial art and graphic design	(NA)	(NA)	(NA)	(NA)	(NA)	6.5	6.5
734	Services to dwellings and other buildings	13.3	14.6	15.6	17.3	19.7	21.3	21.0
735	Miscellaneous equipment rental and leasing	(NA)	(NA)	(NA)	(NA)	(NA)	21.6	21.1
736	Personnel supply services	14.6	16.4	20.3	24.3	26.3	28.6	27.8
7361	Employment agencies	3.4	3.7	4.0	5.0	6.1	7.5	7.1
7363	Help supply services	(NA)	(NA)	(NA)	(NA)	(NA)	21.1	20.6
737	Computer and data processing services [3]	45.2	50.6	56.0	67.7	77.2	85.8	91.3
7371	Computer programming services	(NA)	(NA)	(NA)	(NA)	(NA)	19.0	20.9
7372	Prepackaged software	(NA)	(NA)	(NA)	(NA)	(NA)	11.4	12.6
7373	Computer integrated systems design	(NA)	(NA)	(NA)	(NA)	(NA)	18.7	19.9
7374	Data processing and preparation	(NA)	(NA)	(NA)	(NA)	(NA)	17.9	19.0
738	Miscellaneous business services [3]	(NA)	(NA)	(NA)	(NA)	(NA)	69.5	72.2
7381	Detective, guard, and armored car services	(NA)	(NA)	(NA)	(NA)	(NA)	9.3	9.9
7384	Photofinishing laboratories	4.8	5.1	5.4	6.0	6.5	6.4	6.8
75	Automotive repair, services, and parking [3]	51.7	53.9	58.3	66.4	71.7	75.0	73.3
751	Automotive rentals, no drivers [3]	14.6	15.5	16.7	19.5	21.1	23.2	22.8
7513	Truck rental and leasing, without drivers	5.5	5.8	6.5	7.6	8.2	8.9	8.4
7514	Passenger car rental	(NA)	(NA)	(NA)	(NA)	(NA)	9.7	10.3
753	Automotive repair shops [3]	30.5	31.6	34.2	38.6	41.9	43.4	41.9
7532	Top & body repair & paint shops	(NA)	(NA)	(NA)	(NA)	(NA)	13.4	12.7
7538	General automotive repair shops	(NA)	(NA)	(NA)	(NA)	(NA)	14.8	13.4
754	Automotive services, except repair	(NA)	(NA)	(NA)	(NA)	(NA)	6.2	6.4
76	Miscellaneous repair services	20.7	22.4	24.6	27.8	30.3	33.4	33.1
762	Electrical repair shops	(NA)	(NA)	(NA)	(NA)	(NA)	11.1	11.1
78	Motion pictures	21.6	23.8	27.8	31.2	35.0	38.1	41.1
781,2	Motion picture produc., distribution, allied services	15.1	17.0	20.8	22.6	24.7	26.1	28.5
783	Motion picture theaters	3.8	3.9	4.1	4.7	5.7	6.6	7.0
784	Video tape rental	(NA)	(NA)	(NA)	(NA)	(NA)	5.4	5.6
79	Amusement and recreation services [3]	31.2	34.0	36.6	40.2	42.2	46.5	46.7
792	Producers, orchestras, entertainers	6.4	7.6	7.7	8.1	7.5	9.2	9.5
794	Commercial sports	5.0	5.1	6.0	6.9	7.9	9.3	9.7
7941	Professional sports clubs and promoters	(NA)	(NA)	(NA)	(NA)	(NA)	4.6	5.2
80	Health services [3] [4]	147.4	161.9	182.3	203.4	219.1	243.0	261.3
801	Offices and clinics of doctors of medicine	72.1	78.4	90.5	100.3	106.3	115.1	122.5
802	Offices and clinics of dentists	20.6	21.9	24.0	25.6	26.9	28.5	29.7
8041	Offices and clinics of chiropractors	2.7	3.0	3.3	4.0	4.4	4.8	5.0
805	Nursing and personal care facilities	17.5	19.0	20.1	21.4	23.3	26.4	28.8
8051	Skilled nursing care facilities	(NA)	(NA)	(NA)	(NA)	(NA)	21.8	23.6
806	Hospitals [3]	15.7	18.1	19.7	22.8	25.0	29.1	31.5
8062	General medical and surgical hospitals	(NA)	(NA)	(NA)	(NA)	(NA)	22.6	24.5
8063	Psychiatric hospitals	(NA)	(NA)	(NA)	(NA)	(NA)	5.1	5.4
8071	Medical laboratories	3.9	4.5	5.5	6.6	7.4	8.2	8.8
808	Home health care services	(NA)	(NA)	(NA)	(NA)	(NA)	6.2	7.4
811	Legal services [4]	52.8	58.9	67.0	75.0	80.9	87.5	88.7
83	Social services [4]	(NA)	(NA)	(NA)	(NA)	(NA)	12.3	13.1
8361	Residential care	(NA)	(NA)	(NA)	(NA)	(NA)	4.7	5.3
87	Engineering and management services	(NA)	(NA)	(NA)	(NA)	(NA)	190.3	194.9
871	Engineering & architectural services [3]	49.3	51.3	57.1	61.2	70.0	73.6	73.7
8711	Engineering services	(NA)	(NA)	(NA)	(NA)	(NA)	58.8	59.7
8712	Architectural services	(NA)	(NA)	(NA)	(NA)	(NA)	12.1	11.4
8721	Accounting, auditing, & bookkeeping	21.2	22.9	26.6	29.2	32.2	32.5	33.6
873, ex. 8733	Research and testing services [5]	(NA)	(NA)	(NA)	(NA)	(NA)	22.3	22.8
8731	Commercial physical research	6.0	6.9	7.2	8.9	10.3	11.7	11.8
874	Management and public relations	37.5	41.5	43.4	51.5	57.2	61.9	64.8
8741	Management services	(NA)	(NA)	(NA)	(NA)	(NA)	20.9	22.1
8742	Management consulting services	(NA)	(NA)	(NA)	(NA)	(NA)	25.3	26.1
8744	Facilities support services	(NA)	(NA)	(NA)	(NA)	(NA)	6.3	7.0
472	Arrangement of passenger transportation	6.3	6.6	7.3	8.0	8.7	9.0	8.5
653	Real estate agents and managers [4]	31.3	34.9	38.2	42.2	44.1	44.1	43.7

NA Not available. [1] Standard Industrial Classification; see text, section 13. [2] Excludes those on membership basis. [3] Includes other kinds of businesses, not shown separately. [4] Covers employer firms only. [5] Excludes noncommercial research organizations.

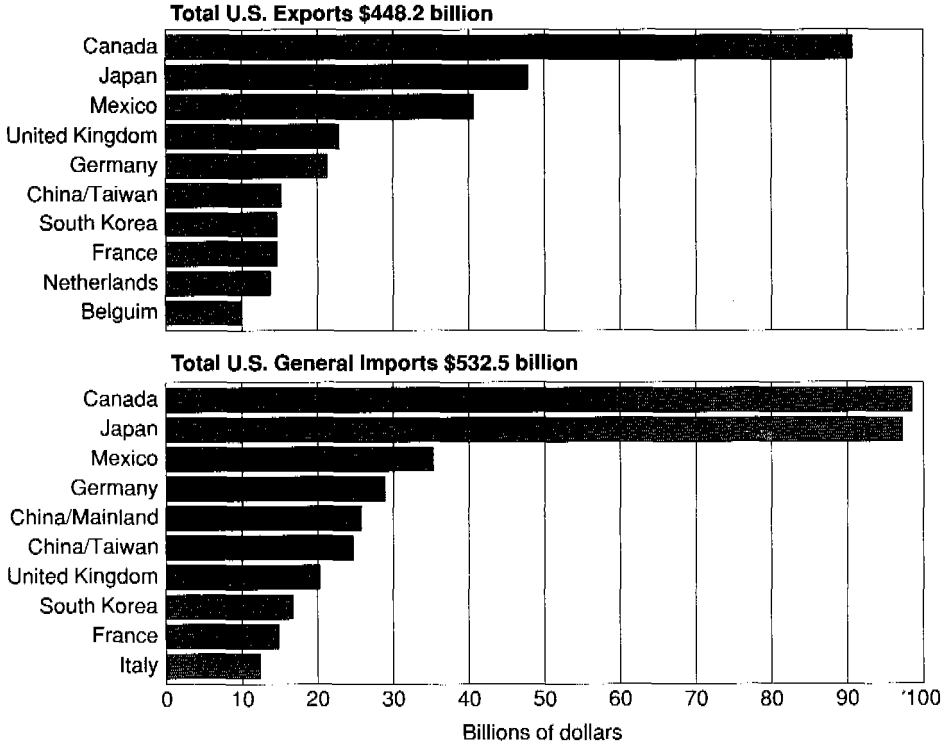
Source: U.S. Bureau of the Census, *Current Business Reports, Service Annual Survey: 1991* (BS/91-1).

Figure 29.1
U.S. International Transaction Balances: 1970 to 1992



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1329.

Figure 29.2
Top Purchasers of U.S. Exports and Suppliers of U.S. General Imports: 1992



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1351.

Foreign Commerce and Aid

This section presents data on the flow of goods, services, and capital between the United States and other countries; changes in official reserve assets of the United States; international investments; foreign assistance programs; and import duties.

The Bureau of Economic Analysis publishes current figures on U.S. international transactions and the U.S. international investment position in its monthly *Survey of Current Business.* Statistics for the foreign aid programs are presented by the Agency for International Development (AID) in its annual *U.S. Overseas Loans and Grants and Assistance from International Organizations;* and by the Department of Agriculture in its *Foreign Agricultural Trade of the United States.*

The principal source of merchandise import and export data is the Bureau of the Census. Current data are presented monthly in *U.S. Merchandise Trade*, report series FT900, and *U.S. Merchandise Trade: Exports, General Imports, and Imports for Consumption*, report series FT925. The *Bureau of the Census Catalog* and the *Guide to Foreign Trade Statistics* lists the Bureau's monthly and annual reports in this field. In addition, the International Trade Administration and the Bureau of Economic Analysis present summary as well as selected commodity and country data for U.S. foreign trade in the *Overseas Business Reports* and the *Survey of Current Business,* respectively. The merchandise trade data in the latter source include balance of payments adjustments to the Census data. The Treasury Department's *Monthly Treasury Statement of Receipts and Outlays of the United States Government* contains information on import duties.

International accounts.—The international transactions tables (Nos. 1328 to 1330) show, for given time periods, the transfer of goods, services, grants, and financial assets and liabilities between the United States and the rest of the world. The international investment position table (No. 1331) presents, for specific dates, the value of U.S. investments abroad and of foreign investments in the United States. The movement of foreign and U.S. capital as presented in the balance of payments is not the only factor affecting the total value of foreign investments. Among the other factors are changes in the valuation of assets or liabilities, including changes in prices of securities, defaults, expropriations, and write-offs.

In Brief

U.S. current account deficit increased to –$62.4 billion in 1992.

U.S. merchandise trade deficit rose to –$84.3 billion in 1992.

Trade surplus in "advance technology" products of $33 billion in 1992.

U.S. foreign assistance up 4.3% in 1991 to $16.4 billion.

Direct investment abroad means the ownership or control, directly or indirectly, by one person of 10 percent or more of the voting securities of an incorporated business enterprise or an equivalent interest in an unincorporated business enterprise. Direct investment position is the value of U.S. parents' claims on the equity of, and receivables due from, foreign affiliates, less foreign affiliates' receivables due from their U.S. parents. Income consists of parents' shares in the earnings of their affiliates plus net interest received by parents on intercompany accounts, less withholding taxes on dividends and interest.

Foreign aid.—Foreign assistance is divided into three major categories—grants (military supplies and services and other grants), credits, and other assistance (through net accumulation of foreign currency claims from the sale of agricultural commodities). *Grants* are transfers for which no payment is expected (other than a limited percentage of the foreign currency "counterpart" funds generated by the grant), or which at most involve an obligation on the part of the receiver to extend aid to the United States or other

countries to achieve a common objective. *Credits* are loan disbursements or transfers under other agreements which give rise to specific obligations to repay, over a period of years, usually with interest. All known returns to the U.S. Government stemming from grants and credits (reverse grants, returns of grants, and payments of principal) are taken into account in net grants and net credits, but no allowance is made for interest or commissions. *Other assistance* represents the transfer of U.S. farm products in exchange for foreign currencies (plus, since enactment of Public Law 87-128, currency claims from principal and interest collected on credits extended under the farm products program), *less* the Government's disbursements of the currencies as grants, credits, or for purchases. The net acquisition of currencies represents net transfers of resources to foreign countries under the agricultural programs, in addition to those classified as grants or credits.

The basic instrument for extending military aid to friendly nations has been the Mutual Defense Assistance Program authorized by the Congress in 1949. Prior to 1952, economic and technical aid was authorized in the Foreign Assistance Act of 1948, the 1950 Act for International Development, and other legislation which set up programs for specific countries. In 1952, these economic, technical, and military aid programs were combined under the Mutual Security Act, which in turn was followed by the Foreign Assistance Act passed in 1961. Appropriations to provide military assistance were also made in the Department of Defense Appropriation Act (rather than the Foreign Assistance Appropriation Act) beginning in 1966 for certain countries in Southeast Asia and in other legislation concerning program for specific countries (such as Israel). Figures on activity under the Foreign Assistance Act as reported in the *Foreign Grants and Credits* series differ from data published by AID or its immediate predecessors, due largely to differences in reporting, timing, and treatment of particular items.

Exports.—The Bureau of the Census compiles export data primarily from Shipper's Export Declarations required to be filed with customs officials for shipments leaving the United States. They include U.S. exports under mutual security programs and exclude shipments to U.S. Armed Forces for their own use.

The value reported in the export statistics is generally equivalent to a free alongside ship (f.a.s.) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. This value, as defined, excludes the cost of loading merchandise aboard the exporting carrier and also excludes freight, insurance, and any other charges or transportation and other costs beyond the U.S. port of exportation. The country of destination is defined as the country of ultimate destination or country where the merchandise is to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. When ultimate destination is not known, the shipment is statistically credited to the last country to which the shipper knows the merchandise will be shipped in the same form as exported.

For certain "low-valued" shipments, the export statistics include estimates based upon selected samples of such shipments. The dollar value of the "low-valued" shipments has varied. For instance, effective January 1987 through September 1989, data are estimated for shipments valued under $1,501; from October 1989 through December 1989, data are estimated for shipments valued under $2,501 to all countries.

Effective January 1990, the United States began substituting Canadian import statistics for U.S. exports to Canada. As a result of the data exchange between the United States and Canada, the United States has adopted the Canadian import exemption level for its export statistics based on shipments to Canada.

Data are estimated for shipments valued under $2,501 to all countries, except Canada, using factors based on the ratios of low-valued shipments to individual country totals. These shipments represent slightly less than 2.5 percent of the monthly value of U.S. exports to those countries. Data are estimated for ship-

ments reported on Canadian import documents which total less than $900 (Canadian). Such shipments represent 2 percent of the monthly value of U.S. exports to Canada.

Prior to 1989, exports were based on Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States. These statistics were retabulated and published using Schedule E, Standard International Trade Classification, Revision 2. Beginning in 1989, Schedule B classifications were based on the Harmonized System and made to coincide with the Standard International Trade Classification, Revision 3. This revision will affect the comparability of most export series beginning with the 1989 data.

Imports.—The Bureau of the Census compiles import data from various customs forms required to be filed with customs officials. From 1974-1981, data on import values were presented on three bases: The transaction values f.a.s. (free alongside ship) at the foreign port of export, the c.i.f. (cost, insurance, and freight), and the previously reported customs import value (as appraised by the U.S. Customs Service in accordance with legal requirements of the Tariff Act of 1930, as amended). This latter valuation, primarily used for collection of import duties, frequently did not reflect the actual transaction value. Beginning 1982, import data are based on customs values, i.e., the price paid by the buyer to the seller in accordance with the 1979 Trade Agreement Act amendments to the 1930 Tariff Act. For the c.i.f. imports, the new customs value was substituted for the arms-length transaction value used for 1981 and earlier years. The f.a.s. transaction values were discontinued as of January 1982. Country of origin is defined as country where the merchandise was grown, mined, or manufactured. If country of origin is unknown, country of shipment is reported.

Imports are classified either as "General imports" or "Imports for consumption." General imports are a combination of entries for immediate consumption, entries into customs bonded warehouses, and entries into U.S. Foreign Trade Zones, thus generally reflecting total arrivals of merchandise. Imports for consumption are a combination of entries for immediate consumption, withdrawals from warehouses for consumption, and entries of merchandise into U.S. customs territory from U.S. Foreign Trade Zones, thus generally reflecting the total of the commodities entered into U.S. consumption channels.

Since July 1953, the import statistics include estimates, not classified by commodity, for certain low-valued shipments. For instance, from January 1985 through September 1989, import statistics include estimates for shipments valued under $1,001. Effective October 1989, import statistics are fully compiled on shipments valued over $1,250 or, under certain textile programs, for any article which must be reported on a formal entry. Value data for shipments valued under $1,251 and not required to be reported on formal entries are estimated for individual countries using factors based on the ratios of low-valued shipments to individual country totals for past periods. The estimated low-valued shipments generally amount to slightly less than 4 percent of the import total.

Prior to 1989, imports were based on the Tariff Schedule of the United States Annotated. The statistics were retabulated and published using Schedule A, Standard International Trade Classification, Revision 2. Beginning in 1989, the statistics are based on the Harmonized Tariff Schedule of the United States, which coincides with the Standard International Trade Classification, Revision 3. This revision will affect the comparability of most import series beginning with the 1989 data.

Area coverage.—Except as noted, the geographic area covered by the export and import trade statistics is the United States Customs area (includes the 50 States, the District of Columbia and Puerto Rico), the U.S. Virgin Islands (effective January 1981), and U.S. Foreign Trade Zones (effective July 1982). Data for selected tables and total values for 1980, have been revised to reflect the U.S. Virgin Islands' trade with foreign countries, where possible.

No. 1328. U.S. International Transactions, by Type of Transaction: 1980 to 1992

[In millions of dollars. Minus sign (-) indicates debits. See also *Historical Statistics, Colonial Times to 1970*, series U 1-25]

TYPE OF TRANSACTION	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Exports of goods and services [1]	**344,440**	**351,613**	**391,435**	**380,051**	**398,583**	**445,216**	**550,323**	**629,468**	**680,890**	**704,914**	**726,948**
Merchandise, excl. military [2 3]	224,250	201,799	219,926	215,915	223,344	250,208	320,230	361,697	388,705	415,962	439,272
Foods, feeds, and beverages	36,278	32,091	32,196	24,566	23,522	25,229	33,770	37,429	35,117	35,737	40,114
Industrial supplies and materials	72,088	58,936	64,120	61,159	64,720	70,052	90,019	99,907	105,682	109,977	109,570
Capital goods, except automotive	76,283	71,660	77,007	79,322	82,815	92,707	119,103	139,563	153,279	167,029	176,837
Automotive vehicles and parts [4]	17,443	18,461	22,422	24,945	25,097	27,583	33,397	34,940	36,504	40,045	46,666
Consumer goods (nonfood) [5]	17,751	14,925	15,085	14,593	16,730	20,307	26,981	36,565	42,779	45,944	50,366
Services	47,584	64,199	71,094	73,026	86,241	98,434	110,636	127,080	148,638	163,637	178,503
Transfers under U.S. military agency sales contracts	9,029	12,524	9,969	8,718	8,549	11,106	9,289	8,526	9,833	10,691	10,901
Travel	10,588	10,947	17,320	17,920	20,529	23,718	29,665	36,571	43,418	48,757	54,689
Passenger fares	2,591	3,610	4,058	4,382	5,545	6,966	8,925	10,525	15,140	15,627	16,868
Other transportation	11,618	12,590	13,809	14,674	15,784	17,334	19,456	21,095	22,942	23,625	24,672
Royalties and license fees	7,085	5,745	6,098	6,550	7,927	9,914	11,802	13,064	16,470	17,799	19,626
Other private services	6,276	[6] 18,117	19,126	19,904	27,312	28,869	30,835	36,711	40,166	46,444	50,868
U.S. Government misc. services	398	666	714	876	595	526	664	587	668	693	879
Income on U.S. assets abroad	72,606	85,614	100,415	91,110	88,998	96,574	119,456	140,692	143,547	125,315	109,173
Direct investment	37,146	26,528	30,581	29,630	30,850	38,080	50,436	54,490	55,428	49,221	49,606
Other private receipts	32,898	54,255	64,607	55,981	51,735	53,183	62,318	80,567	77,612	67,990	53,139
U.S. Government receipts	2,562	4,832	5,227	5,499	6,413	5,311	6,703	5,635	10,508	8,104	6,428
Imports of goods, services and income	**-333,774**	**-377,495**	**-469,647**	**-478,821**	**-521,937**	**-585,637**	**-652,109**	**-705,005**	**-738,401**	**-716,624**	**-758,036**
Merchandise, excl. military [2 3]	-249,750	-268,901	-332,418	-338,088	-368,425	-409,765	-447,189	-477,365	-497,558	-489,398	-535,547
Foods, feeds, and beverages	-18,564	-18,824	-21,879	-21,850	-24,376	-24,809	-24,928	-25,077	-26,653	-26,467	-27,879
Industrial supplies and materials	-132,472	-108,794	-124,109	-114,008	-104,210	-113,746	-122,684	-135,112	-144,831	-132,032	-139,770
Capital goods, except automotive	-31,576	-43,735	-60,367	-61,287	-71,990	-85,128	-102,202	-112,453	-116,040	-120,735	-134,411
Automotive vehicles and parts [4]	-28,257	-43,044	-56,521	-65,905	-78,061	-85,174	-87,947	-87,380	-87,695	-84,941	-91,238
Consumer goods (nonfood) [5]	-34,268	-47,277	-61,094	-66,336	-79,355	-88,824	-96,425	-103,453	-105,294	-108,024	-123,003
Services	-41,491	-54,894	-67,657	-72,859	-79,892	-90,243	-97,930	-101,314	-116,583	-118,341	-123,378
Direct defense expenditures	-10,851	-13,087	-12,516	-13,108	-13,730	-14,918	-15,643	-15,364	-17,651	-16,215	-13,404
Travel	-10,397	-13,149	-22,913	-24,558	-25,913	-29,310	-32,114	-33,418	-37,349	-36,958	-43,534
Passenger Fares	-3,607	-6,003	-5,724	-6,484	-6,554	-7,318	-7,768	-8,258	-10,608	-10,636	-11,781
Other transportation	-11,790	-12,222	-14,843	-15,643	-16,715	-17,788	-19,534	-20,664	-23,401	-23,297	-23,401
Royalties and license fees	-724	-941	-1,164	-1,165	-1,392	-1,844	-2,585	-2,602	-3,133	-3,984	-4,290
Other private services	-2,909	[6] -7,924	-8,963	-10,166	-13,901	-17,172	-18,365	-19,137	-22,522	-25,154	-24,707
U.S. Government miscellaneous services	-1,214	-1,568	-1,534	-1,735	-1,686	-1,893	-1,921	-1,871	-1,919	-2,097	-2,262
Income on foreign assets in U.S.	-42,532	-53,700	-69,572	-67,875	-73,620	-85,629	-106,991	-126,326	-124,261	-108,886	-99,111
Direct investment	-8,635	-4,206	-8,723	-7,213	-7,058	-7,425	-11,693	-6,643	-1,083	3,675	-404
Other private payments	-21,214	-30,501	-39,694	-37,689	-42,491	-52,913	-65,133	-83,827	-85,308	-73,575	-59,846
U.S. Government payments	-12,684	-18,993	-21,155	-22,972	-24,071	-25,291	-30,164	-35,856	-37,870	-38,986	-38,861
Unilateral transfers (excl. military grants, net	**-8,349**	**-17,741**	**-20,612**	**-22,950**	**-24,176**	**-23,052**	**-24,869**	**-25,606**	**-32,916**	**8,028**	**-31,360**
U.S. Government grants	-5,486	-6,469	-8,696	-11,268	-11,867	-10,287	-10,506	-10,773	-17,597	24,487	-13,832
U.S. Government pensions	-1,818	-2,207	-2,159	-2,138	-2,197	-2,221	-2,501	-2,517	-2,945	-3,462	-3,736
Private remittances and other transfers	-1,044	[6] 9,066	9,756	9,545	-10,112	-10,544	-11,863	-12,316	-12,374	-12,996	-13,793

TYPE OF TRANSACTION	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
U.S. assets abroad, net (increase/capital outflow (-))	**-86,967**	**-58,856**	**-29,224**	**-34,069**	**-91,069**	**-62,402**	**-92,708**	**-114,944**	**-56,321**	**-62,220**	**-44,900**
U.S. official reserve assets, net	-8,155	-1,196	-3,131	-3,858	312	9,149	-3,912	-25,293	-2,158	5,763	3,901
Special drawing rights	-16	-66	-979	-897	-246	-509	127	-535	-192	-177	2,316
Reserve position in the International Monetary Fund	-1,667	-4,434	-995	908	1,501	2,070	1,025	471	731	-367	-2,692
Foreign currencies	-6,472	3,304	-1,156	-3,869	-942	7,588	-5,064	-25,229	-2,697	6,307	4,277
U.S. Govt. assets, other than official reserve assets, net	-5,162	-5,006	-5,489	-2,821	-2,022	1,006	2,967	1,271	2,304	3,397	-959
U.S. credits and other long-term assets	-9,860	-9,967	-9,599	-7,657	-9,084	-6,506	-7,680	-5,580	-8,417	-12,123	-5,144
Repayments on U.S. credits and other long-term assets [7]	4,456	5,012	4,490	4,719	6,089	7,625	10,370	6,725	10,853	16,522	4,242
U.S. foreign currency holdings and U.S. short-term assets, net	242	-51	-379	117	973	-113	277	126	-131	-1,002	-57
U.S. private assets, net	-73,651	-52,654	-20,605	-27,391	-89,360	-72,556	-91,762	-90,922	-56,467	-71,379	-47,843
Direct investments abroad	-19,222	-4,889	-10,948	-13,401	-17,090	-27,181	-15,448	-28,995	-32,694	-27,135	-35,311
Foreign securities	-3,568	-6,762	-4,756	-7,481	-4,271	-5,251	-7,846	-22,070	-28,765	-45,017	-48,646
U.S. claims on unaffiliated foreigners reported by U.S. nonbanking concerns	-4,023	-11,075	6,226	-5,186	-8,024	1,995	-12,146	11,398	-2,477	5,526	(NA)
U.S. claims reported by U.S. banks, n.i.e. [8]	-46,838	-29,928	-11,127	-1,323	-59,975	-42,119	-56,322	-51,255	7,469	-4,753	32,372
Foreign assets in the U.S., net (increase/capital inflow (+))	**58,112**	**83,380**	**102,010**	**130,966**	**223,191**	**229,972**	**219,489**	**213,693**	**99,379**	**66,980**	**120,400**
Foreign official assets in the U.S., net	15,497	5,845	3,140	-1,119	35,648	45,387	39,758	8,489	33,908	18,407	40,307
U.S. Government securities	11,895	6,496	4,703	-1,139	33,150	44,802	43,050	1,532	30,243	17,116	22,358
U.S. Treasury securities	9,708	6,972	4,690	-838	34,364	43,238	41,741	149	29,576	15,815	18,333
Other	2,187	-476	13	-301	-1,214	1,564	1,309	1,383	667	1,301	4,025
Other U.S. Government liabilities	615	602	739	844	2,195	-2,326	-467	146	1,866	1,600	2,469
U.S. liabilities reported by U.S. banks, n.i.e. [8]	-159	545	555	645	1,187	3,918	-319	4,976	3,385	-1,668	16,168
Other foreign official assets	3,145	-1,798	-2,857	-1,469	-884	-1,007	-2,506	1,835	-1,586	1,359	-688
Other foreign assets in the U.S., net	42,615	77,534	98,870	132,084	187,542	184,585	179,731	205,204	65,471	48,573	80,093
Direct investments in U.S	16,918	10,457	24,748	20,010	35,623	58,219	57,278	67,872	45,137	11,497	-3,948
U.S. Treasury securities	2,645	[9]8,689	23,001	20,433	3,809	-7,643	20,239	29,618	-2,534	16,241	35,077
U.S. securities other than U.S. Treasury securities	5,457	8,164	12,568	50,962	70,969	42,120	26,353	38,767	1,592	34,918	29,884
U.S. liabilities to unaffiliated foreigners reported by U.S. nonbanking concerns	6,852	-118	4,704	-366	-2,641	2,863	5,626	5,565	4,906	-405	(NA)
U.S. liabilities reported by U.S. banks, n.i.e. [8]	10,743	50,342	33,849	41,045	79,783	89,026	70,235	63,382	16,370	-13,678	14,667
Allocations of special drawing rights	**1,152**	-	-	-	-	-	-	-	-	-	-
Statistical discrepancy	25,386	19,099	26,038	24,825	15,407	-4,096	-126	2,394	47,370	-1,078	-13,052
Balance on merchandise trade	-25,500	-67,102	-112,492	-122,173	-145,081	-159,557	-126,959	-115,668	-108,853	-73,436	-96,275
Balance on services	6,093	9,306	3,437	167	6,350	8,191	12,707	25,766	32,055	45,296	55,125
Balance on investment income	30,073	31,915	30,843	23,235	15,378	10,945	12,466	14,366	19,287	16,429	10,062
Balance on goods, services, and income	10,666	-25,882	-78,212	-98,771	-129,354	-140,421	-101,787	-75,537	-57,511	-11,710	-31,088
Unilateral transfers, net	-8,349	-17,741	-20,612	-22,950	-24,176	-23,052	-24,869	-25,606	-32,916	8,028	-31,360
Balance on current account	2,317	-43,623	-98,824	-121,721	-147,529	-163,474	-126,656	-101,143	-90,428	-3,682	-62,448

- Represents zero. NA Not available. [1] Excludes transfers of goods and services under U.S. military grant programs. [2] Excludes exports of goods under U.S. military agency sales contracts identified in Bureau of the Census export documents, excludes imports of goods under direct defense expenditures identified in Census import documents, and reflects various other adjustments (for valuation, coverage, and timing) of Census statistics to a balance of payments basis. [3] Includes other end-use items, not shown separately. [4] Includes engines. [5] Excludes automotive. [6] Break in series due to inclusion of new data. See Technical Note in *Survey of Current Business*, June 1979. [7] Includes sales of foreign obligations to foreigners. [8] Not included elsewhere. [9] Includes foreign currency notes sold to private residents abroad.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, March 1993.

No. 1329. U.S. International Transactions—Summary: 1960 to 1992

[**In billions of dollars.** Reserve assets are for end of period. Minus sign (-) indicates debits, see headnote, table 1328]

YEAR	Merchandise trade balance [1]	Net investment income	Net military transactions	Net travel and transportation receipts	Other services, net	Balance on goods, services, and income.	Unilateral transfers [1]	Balance on current account	Net foreign assets in U.S.	Net U.S. assets abroad	Net U.S. official reserve assets
1960	4.9	3.4	-1.1	-1.0	0.6	6.9	-4.1	2.8	2.3	-4.1	19.4
1965	5.0	5.4	-0.5	-1.3	1.5	10.0	-4.6	5.4	0.7	-5.7	15.5
1966	3.8	5.0	-1.0	-1.3	1.5	8.0	-5.0	3.0	3.7	-7.3	14.9
1967	3.8	5.3	-1.2	-1.8	1.7	7.9	-5.3	2.6	7.4	-9.8	14.8
1968	0.6	6.0	-0.6	-1.5	1.8	6.2	-5.6	0.6	9.9	-11.0	15.7
1969	0.6	6.0	-0.7	-1.8	2.0	6.1	-5.7	0.4	12.7	-11.6	17.0
1970	2.6	6.2	-0.6	-2.0	2.3	8.5	-6.2	2.3	6.4	-9.3	14.5
1971	-2.3	7.3	0.7	-2.3	2.6	6.0	-7.4	-1.4	23.0	-12.5	12.2
1972	-6.4	8.2	1.1	-3.1	3.0	2.7	-8.5	-5.8	21.5	-14.5	13.2
1973	0.9	12.2	0.7	-3.2	3.4	14.1	-6.9	7.1	18.4	-22.9	14.4
1974	-5.5	15.5	0.2	-3.2	4.2	11.2	-9.2	2.0	34.2	-34.7	15.9
1975	8.9	12.8	1.5	-2.8	4.9	25.2	-7.1	18.1	15.7	-39.7	16.2
1976	-9.5	16.1	0.9	-2.6	5.0	10.0	-5.7	4.3	36.5	-51.3	18.7
1977	-31.1	18.1	1.7	-3.6	5.7	-9.1	-5.2	-14.3	51.3	-34.8	19.3
1978	-33.9	20.4	0.9	-3.6	6.9	-9.4	-5.8	-15.1	64.0	-61.1	18.7
1979	-27.6	30.9	-1.3	-2.9	7.3	6.3	-6.6	-0.3	38.8	-66.1	19.0
1980	-25.5	30.1	-1.8	-1.0	8.9	10.7	-8.3	2.3	58.1	-87.0	26.8
1981	-28.0	32.9	-0.8	0.1	12.6	16.7	-11.7	5.0	83.0	-114.1	30.1
1982	-36.5	29.8	0.1	-1.0	13.2	5.6	-17.1	-11.4	92.4	-122.3	34.0
1983	-67.1	31.9	-0.6	-4.2	14.1	-25.9	-17.7	-43.6	83.4	-58.9	33.7
1984	-112.5	30.8	-2.5	-8.3	14.3	-78.2	-20.6	-98.8	102.0	-29.2	34.9
1985	-122.2	23.2	-4.4	-9.7	14.3	-98.8	-23.0	-121.7	131.0	-34.1	43.2
1986	-145.1	15.4	-5.2	-7.3	18.9	-123.4	-24.2	-147.5	223.2	-91.1	48.5
1987	-159.6	10.9	-3.8	-6.4	18.4	-140.4	-23.1	-163.5	230.0	-62.4	45.8
1988	-127.0	12.5	-6.4	-1.4	20.4	-101.8	-24.9	-126.7	219.5	-92.7	47.8
1989	-115.7	14.4	-6.8	5.9	26.8	-75.5	-25.6	-101.1	213.7	-114.9	74.6
1990	-108.9	19.3	-7.8	10.1	29.7	-57.5	-32.9	-90.4	99.4	-56.3	83.3
1991	-73.4	16.4	-5.5	17.1	33.7	-11.7	8.0	-3.7	67.0	-62.2	77.7
1992, prel.	-96.3	10.1	-2.5	17.5	40.1	-31.1	-31.4	-62.4	120.4	-44.9	71.3

[1] Excludes military.

Source: U.S. Council of Economic Advisers, *Economic Indicators*, monthly; and *Economic Report of the President*, annual.

No. 1330. U.S. Balances on International Transactions, by Area and Selected Country: 1990 to 1992

[**In millions of dollars.** Minus sign (-) indicates debits]

AREA OR COUNTRY	1990, BALANCE ON—			1991, BALANCE ON—			1992, BALANCE ON—		
	Merchandise trade [1]	Goods, services, and income	Current account	Merchandise trade [1]	Goods, services, and income	Current account	Merchandise trade [1]	Goods, services, and income	Current account
All areas	**-108,853**	**-57,511**	**-90,428**	**-73,436**	**-11,710**	**-3,682**	**-96,275**	**-31,088**	**-62,448**
Western Europe	2,222	-558	33	14,918	13,910	18,754	2,962	608	410
European Economic Community [2]	4,931	1,823	3,202	15,578	13,662	20,040	6,552	3,561	4,471
United Kingdom	2,969	-7,792	-7,008	3,257	-8,456	-7,680	2,410	-9,932	9,065
Belgium-Luxembourg	5,786	7,483	7,451	6,582	7,748	7,712	(NA)	(NA)	(NA)
France	640	4,367	4,285	2,157	5,766	5,669	(NA)	(NA)	(NA)
West Germany	-9,700	-14,696	-420	-5,266	-6,937	-420	(NA)	(NA)	(NA)
Italy	-4,812	-3,716	-3,985	-3,226	-1,810	-2,057	(NA)	(NA)	(NA)
Netherlands	7,840	12,073	12,046	8,408	12,610	12,582	(NA)	(NA)	(NA)
Eastern Europe	2,070	3,060	1,998	3,039	3,925	1,472	3,637	3,937	3,027
Canada	-10,233	5,910	5,616	-8,002	10,013	9,695	-10,301	6,155	5,816
Latin America, other Western Hemisphere	-10,068	-4,376	-12,636	262	8,453	-1,673	6,175	18,517	9,791
Mexico	-2,399	-134	-3,262	-1,645	4,988	1,866	(NA)	(NA)	(NA)
Venezuela	-6,441	-5,956	-6,007	-3,581	-2,867	-2,928	(NA)	(NA)	(NA)
Australia	3,894	7,710	7,651	4,285	6,461	6,392	5,065	8,560	8,477
Japan [3]	-44,289	-31,897	-23,097	-44,289	-31,897	-23,097	-50,002	-38,253	-38,446
Other Asia and Africa	-55,509	-44,585	-63,134	-44,039	-30,071	-16,794	-53,811	-38,536	-52,430
South Africa	37	519	465	387	1,033	964	(NA)	(NA)	(NA)
Int'l. and unallocated	558	7,579	2,066	390	7,496	1,569	(NA)	7,924	908

NA Not available. [1] Adjusted to balance of payments basis; excludes exports under U.S. military sales contracts and imports under direct defense expenditures. [2] Includes Denmark, Greece, Ireland, Spain, Portugal, European Atomic Energy Community, European Coal and Steel Community, and European Investment Bank, not shown separately. [3] Includes Ryukyu Islands.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1992 and March 1993 issues.

No. 1331. International Investment Position: 1980 to 1991

[**In millions of dollars.** Estimates for end of year; subject to considerable error due to nature of basic data. See *Historical Statistics, Colonial Times to 1970,* series U 26-39, for similar data]

TYPE OF INVESTMENT	1980	1985	1986	1987	1988	1989	1990	1991
U.S. net international investment position:								
Current cost	**392,547**	**138,950**	**18,735**	**-26,630**	**-183,715**	**-312,286**	**-294,836**	**-361,503**
Market value	(NA)	142,205	109,146	54,240	-37,988	-158,782	-272,027	-381,835
U.S. assets abroad:								
Current cost	**936,275**	**1,252,535**	**1,410,190**	**1,564,748**	**1,654,582**	**1,794,727**	**1,884,199**	**1,960,301**
Market value	(NA)	1,244,460	1,507,734	1,648,367	1,817,494	2,049,801	1,977,053	2,107,041
U.S. official reserve assets	171,412	117,930	139,875	162,370	144,179	168,714	174,664	159,223
Gold	155,816	85,834	102,428	127,648	107,434	105,164	102,406	92,561
Special drawing rights	2,610	7,293	8,395	10,283	9,637	9,951	10,989	11,240
Reserve position in IMF	2,852	11,947	11,730	11,349	9,745	9,048	9,076	9,488
Foreign currencies	10,134	12,856	17,322	13,090	17,363	44,551	52,193	45,934
U.S. Government assets, other	63,865	87,752	89,637	88,880	85,860	84,553	82,230	78,729
U.S. loans and other long-term assets	62,023	85,814	88,710	88,099	85,388	84,225	81,787	77,355
U.S. foreign currency holdings and short-term assets	1,842	1,938	927	781	472	328	443	1,374
U.S. private assets:								
Current cost	700,998	1,046,853	1,180,678	1,313,498	1,424,543	1,541,460	1,627,305	1,722,349
Market value	(NA)	1,038,778	1,278,222	1,397,117	1,587,455	1,796,534	1,720,159	1,869,089
Direct investments abroad:								
Current cost	396,249	387,183	421,167	493,341	515,702	552,822	623,587	655,260
Market value	(NA)	379,108	518,711	576,960	678,614	807,896	716,441	802,000
Foreign securities	62,454	114,670	145,878	164,717	183,061	220,865	241,748	305,886
U.S. claims on unaffiliated foreigners [1]	38,429	97,637	106,295	105,983	117,744	106,052	109,821	104,447
U.S. claims reported by U.S. banks [2]	203,866	447,363	507,338	549,457	608,036	661,721	652,149	656,756
Foreign assets in the U.S.								
Current cost	**543,728**	**1,113,585**	**1,391,455**	**1,591,378**	**1,838,297**	**2,107,013**	**2,179,035**	**2,321,804**
Market value	(NA)	1,102,255	1,398,585	1,594,127	1,855,482	2,208,583	2,249,080	2,488,876
Foreign official assets in the U.S.	176,062	202,482	241,226	283,058	322,036	337,277	371,101	396,607
U.S. Government securities	118,189	145,063	178,916	220,548	260,934	265,708	296,971	318,018
Other U.S. Government liabilities	13,367	15,803	17,993	15,667	15,200	15,346	17,212	18,812
U.S. liabilities reported by U.S. banks [2]	30,381	26,734	27,920	31,838	31,520	36,495	39,880	38,361
Other foreign official assets	14,125	14,882	16,397	15,005	14,382	19,728	17,038	21,416
Other foreign assets in the U.S:								
Current cost	367,666	911,103	1,150,229	1,308,320	1,516,261	1,769,736	1,807,934	1,925,197
Market value	(NA)	899,773	1,157,362	1,311,069	1,533,446	1,871,306	1,877,979	2,092,269
Direct investments:								
Current cost	125,944	231,326	265,833	313,451	374,345	433,164	466,515	487,022
Market value	(NA)	219,996	272,966	316,200	391,530	534,734	536,560	645,094
U.S. securities other than U.S. Treasury securities	74,114	207,868	309,803	341,732	392,292	484,418	471,888	559,655
U.S. liabilities to unaffiliated foreigners [1]	30,426	29,458	26,902	29,818	35,003	40,549	45,379	43,761
U.S. liabilities reported by U.S. banks [2]	121,069	354,497	451,613	540,731	613,744	677,117	693,436	680,094
U.S. Treasury securities	16,113	87,954	96,078	82,588	100,877	134,488	130,716	154,665

NA Not available. [1] Reported by U.S. nonbanking concerns. [2] Not included elsewhere.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* June 1992.

No. 1332. U.S. Reserve Assets: 1980 to 1992

[**In billions of dollars.** As of **end of year,** except as indicated]

TYPE	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	**26.8**	**34.0**	**33.7**	**34.9**	**43.2**	**48.5**	**45.8**	**47.8**	**74.6**	**83.3**	**77.7**	**71.3**
Gold stock [1]	11.2	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Special drawing rights	2.6	5.3	5.0	5.6	7.3	8.4	10.3	9.6	10.0	11.0	11.2	8.5
Foreign currencies	10.1	10.2	6.3	6.7	12.9	17.3	13.1	17.4	44.6	52.2	45.9	40.0
Reserve position in IMF [2]	2.9	7.3	11.3	11.5	11.9	11.7	11.3	9.7	9.0	9.1	9.5	11.8

[1] Includes gold in Exchange Stabilization Fund; excludes gold held under earmark at Federal Reserve banks for foreign and interternational accounts. Beginning 1975, gold assets were valued at $42.22 pursuant to the amending of Section 2 of the Par Value Modification Act, PL-93-110, approved September 21, 1973. [2] International Monetary Fund.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin,* monthly; and Department of the Treasury, *Treasury Bulletin,* monthly.

No. 1333. Foreign Direct Investment Position in the United States on a Historical Cost Basis—Value, by Area and Industry: 1980 to 1991

[**In millions of dollars.** Book value at year end. Covers U.S. firms, including real estate investments in which foreign interest or ownership was 10 percent or more. Minus sign (-) indicates a negative position. See also *Historical Statistics, Colonial Times to 1970,* series U 47-74]

AREA AND INDUSTRY	1980	1983	1984	1985	1986	1987	1988	1989	1990	1991, prel.
All areas [1]	**83,046**	**137,061**	**164,583**	**184,615**	**220,414**	**263,394**	**314,754**	**368,924**	**396,702**	**407,577**
Petroleum	12,200	18,209	25,400	28,270	29,094	37,815	36,006	40,345	42,165	39,955
Manufacturing	32,993	47,665	51,802	59,584	71,963	93,865	122,582	150,949	157,431	162,853
Finance and insurance	12,027	10,934	24,881	27,429	34,978	39,455	44,010	59,597	53,782	63,157
Trade, wholesale and retail	15,210	26,513	31,219	35,873	42,920	45,399	53,590	54,005	59,627	59,692
Canada	**12,162**	**11,434**	**15,286**	**17,131**	**20,318**	**24,684**	**26,566**	**30,370**	**30,037**	**30,002**
Petroleum	1,817	1,391	1,544	1,589	1,432	1,088	1,181	1,141	1,394	913
Manufacturing	5,227	3,313	4,115	4,607	6,108	8,085	9,730	9,766	9,652	9,662
Finance and insurance	1,612	1,061	3,245	4,008	4,283	5,797	5,769	7,356	7,779	9,734
Europe	**54,688**	**92,936**	**108,211**	**121,413**	**144,181**	**181,006**	**208,942**	**239,190**	**250,973**	**258,127**
Petroleum	10,137	16,326	23,142	25,636	26,139	35,700	33,499	32,649	33,608	31,989
Manufacturing	21,953	36,866	39,083	45,841	56,016	74,300	95,641	118,129	121,292	126,809
Finance and insurance	8,673	8,450	15,945	17,022	21,787	26,336	27,121	33,157	29,400	32,414
United Kingdom	14,105	32,152	38,387	43,555	55,935	75,519	95,698	103,458	102,790	106,064
Petroleum	-257	5,955	10,991	12,155	11,758	17,950	19,522	16,666	15,841	14,238
Manufacturing	6,159	9,221	9,179	11,687	16,500	30,372	41,708	50,166	47,304	50,120
Finance and insurance	3,350	3,777	5,485	6,483	10,163	9,801	11,256	12,790	12,577	12,540
Netherlands	19,140	29,182	33,728	37,056	40,717	46,636	48,128	56,734	63,938	63,848
Petroleum	9,265	8,646	9,981	11,481	(D)	(D)	9,045	10,061	12,686	12,254
Manufacturing	4,777	11,222	12,497	13,351	13,293	15,615	17,843	23,090	24,717	24,137
Switzerland	5,070	7,464	8,146	10,568	12,058	13,772	14,372	18,746	17,745	17,594
Manufacturing	3,116	4,165	4,774	6,881	7,520	6,921	7,613	11,798	10,393	9,781
Finance and insurance	1,033	1,830	(D)	5,425	2,517	3,211	3,506	4,492	4,796	5,560
Germany [2]	7,596	10,845	12,330	14,816	17,250	21,905	25,250	28,386	28,309	28,171
Manufacturing	3,875	4,487	4,389	6,015	7,426	10,298	13,980	15,560	15,695	16,546
Finance and insurance	1,248	1,416	1,902	(D)	1,962	3,442	2,683	3,139	2,484	1,419
Other Europe [3]	8,777	13,293	15,620	15,417	18,221	23,174	25,494	31,866	38,191	42,450
Petroleum	991	1,679	2,080	(D)	(D)	(D)	4,580	4,786	4,806	4,800
Manufacturing	4,026	7,771	7,704	7,907	11,277	11,094	14,497	17,515	23,183	26,225
Finance and insurance	1,193	-908	(D)	(D)	(D)	2,189	406	2,519	1,408	2,605
Japan	**4,723**	**11,336**	**16,044**	**19,313**	**26,824**	**34,421**	**51,126**	**67,268**	**81,775**	**86,658**
Other areas	**11,472**	**21,356**	**25,043**	**26,758**	**29,091**	**23,283**	**28,120**	**32,096**	**33,917**	**32,790**

D Withheld to avoid disclosure of data of individual companies. [1] Area totals include industries not shown separately. [2] For 1989, includes only the Federal Republic of Germany. For 1990, also includes the former German Democratic Republic (GDR). This change has no effect on the data because, prior to 1990, there were no U.S. affiliates of the former GDR. [3] Direct investments in 1991 (in millions of dollars): Belgium and Luxembourg, 4,627; France, 22,740; Italy, 2,859; and Sweden, 5,597.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August 1992, and earlier issues.

No. 1334. U.S. Affiliates of Foreign Companies—Assets, Sales, Employment, Land, Exports, and Imports: 1990

[A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust, corporation, or government) has a direct or indirect voting interest of 10 percent or more. Universe estimates based on a sample survey of nonbank affiliates with assets, sales, or net income of $10 million or more]

INDUSTRY	Total assets (mil. dol.)	Sales [1] (mil. dol.)	Employment [2] (1,000)	Employee compensation (mil. dol.)	GROSS BOOK VALUE (mil. dol.)		Land owned (1,000 acres)	Merchandise exports [4] (mil. dol.)	Merchandise imports [4] (mil. dol.)
					Plant and equipment [3]	Land			
Total	**1,529,778**	**1,168,490**	**4,705.3**	**161,323**	**518,378**	**53,964**	**16,861**	**91,137**	**180,674**
Petroleum	101,323	116,785	151.0	6,483	99,749	3,517	1,375	2,916	18,842
Manufacturing	421,517	389,115	2,197.1	87,142	210,775	8,966	6,345	32,729	45,107
Chemicals and allied products	135,842	109,394	510.4	23,766	82,995	2,920	1,224	11,322	8,876
Wholesale trade [5]	162,663	381,462	436.8	16,298	36,012	2,271	460	52,072	113,439
Motor vehicles and auto parts and supplies	51,192	94,338	83.1	3,663	14,959	676	24	4,887	45,733
Farm-product raw materials	9,038	45,863	18.2	582	1,675	230	34	16,626	3,572
Retail trade	46,788	76,074	755.6	12,374	19,960	2,460	68	1,183	1,937
Finance, except banking	322,656	29,087	53.8	4,821	3,339	594	21	6	4
Insurance	205,313	63,377	126.6	5,080	8,489	783	47	-	-
Real estate	111,489	17,412	45.8	1,351	63,120	22,510	2,755	7	2
Services	81,681	37,930	553.5	13,197	30,793	5,084	144	523	389
Other	76,346	57,248	385.1	14,577	46,141	7,780	5,646	1,701	953

- Represents zero. [1] Excludes returns, discounts, allowances, and sales and excise taxes. [2] Average number of full-time and part-time employees. [3] Includes other property, value of mineral rights owned and capitalized value of mineral rights leased. [4] F.a.s. value at port of exportation. [5] Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* May 1992, and *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies,* Preliminary 1990 Estimates.

No. 1335. Foreign Direct Investment in the United States—Gross Book Value and Employment of U.S. Affiliates of Foreign Companies, by State: 1981 and 1990

[A U.S. affiliate is a U.S. business enterprise in which one foreign owner (individual, branch, partnership, association, trust corporation, or government) has a direct or indirect voting interest of 10 percent or more. Universe estimates based on a sample survey of nonbank affiliates with assets, sales, or net income of $10 million or more]

DIVISION, STATE, AND OTHER AREA	GROSS BOOK VALUE OF PROPERTY, PLANT, AND EQUIPMENT (mil. dol.)		TOTAL EMPLOYMENT			MANUFACTURING EMPLOYMENT, 1990	
	1981	1990	1981	1990 Total (1,000)	1990 Percent of all businesses	Total (1,000)	Percent of all manufacturing
Total	**187,956**	**572,342**	**2,416.6**	**4,705.3**	**(X)**	**2,005.4**	**(X)**
United States	**178,003**	**550,141**	**2,402.3**	**4,674.1**	**4.9**	**1,993.8**	**10.4**
New England	**5,686**	**19,402**	**143.9**	**284.1**	**5.0**	**116.5**	**9.5**
Maine	1,637	2,077	17.7	27.1	5.9	7.7	7.5
New Hampshire	409	1,437	13.9	26.3	5.8	11.3	10.6
Vermont	315	625	6.0	8.0	3.6	3.8	8.1
Massachusetts	1,712	8,848	55.6	131.8	4.9	52.0	10.0
Rhode Island	359	1,081	9.9	12.7	3.1	6.8	6.8
Connecticut	1,254	5,334	40.8	78.3	5.3	34.9	10.2
Middle Atlantic	**20,216**	**71,136**	**480.2**	**791.7**	**5.4**	**309.8**	**11.2**
New York	7,892	36,203	210.3	349.2	5.0	101.5	8.9
New Jersey	6,552	18,447	134.9	225.5	7.2	95.3	15.8
Pennsylvania	5,772	16,486	135.0	217.0	4.7	113.0	11.0
East North Central	**19,215**	**73,746**	**388.6**	**806.6**	**4.9**	**439.8**	**10.4**
Ohio	5,178	20,308	99.9	217.9	5.1	120.0	10.8
Indiana	1,883	13,255	47.0	124.5	5.7	85.2	13.3
Illinois	5,646	23,229	113.6	242.8	5.2	113.0	11.5
Michigan	4,188	11,910	65.9	142.6	4.1	75.3	8.0
Wisconsin	2,320	5,044	62.2	78.8	3.9	46.3	8.2
West North Central	**8,400**	**28,353**	**112.2**	**248.3**	**3.6**	**106.1**	**7.5**
Minnesota	2,902	12,420	33.0	89.5	4.8	30.5	7.6
Iowa	1,032	2,615	21.6	36.7	3.5	21.6	9.1
Missouri	1,894	5,775	32.6	71.8	3.5	32.5	7.4
North Dakota	1,155	1,200	3.5	3.0	1.4	1.1	6.3
South Dakota	299	552	1.3	4.5	1.9	2.4	7.0
Nebraska	241	760	5.6	14.6	2.4	7.3	7.3
Kansas	877	5,031	14.6	28.1	3.1	10.7	5.7
South Atlantic	**33,271**	**93,221**	**476.0**	**926.8**	**5.5**	**400.3**	**12.7**
Delaware	1,869	5,811	36.0	43.1	14.0	11.9	16.5
Maryland	2,103	5,784	45.1	80.9	4.4	30.7	14.8
District of Columbia	547	3,489	3.2	10.5	2.5	0.8	4.8
Virginia	3,046	10,618	49.8	112.2	4.7	49.3	11.5
West Virginia	3,992	8,023	35.4	35.2	6.9	17.9	20.3
North Carolina	5,543	15,160	89.0	180.8	6.7	107.3	12.4
South Carolina	5,318	10,153	65.1	104.2	8.0	63.4	16.5
Georgia	4,558	16,506	78.5	159.8	6.3	71.6	12.7
Florida	6,295	17,677	73.9	200.1	4.2	47.4	9.1
East South Central	**9,802**	**29,393**	**121.7**	**257.0**	**4.9**	**159.2**	**11.0**
Kentucky	1,848	9,011	26.0	63.4	5.1	41.1	14.3
Tennessee	3,747	10,124	57.4	115.8	6.1	68.5	13.1
Alabama	2,776	7,346	27.0	55.0	4.1	34.8	9.0
Mississippi	1,431	2,912	11.3	22.8	3.0	14.8	6.0
West South Central	**34,651**	**82,951**	**268.5**	**434.9**	**4.8**	**162.6**	**10.3**
Arkansas	636	2,478	17.5	29.7	3.7	18.7	8.0
Louisiana	7,872	17,221	47.0	61.2	4.7	20.9	11.4
Oklahoma	2,760	6,082	25.0	44.0	4.6	16.6	9.8
Texas	23,383	57,170	179.0	300.0	5.0	106.4	10.7
Mountain	**12,353**	**33,077**	**97.9**	**194.8**	**3.9**	**42.5**	**6.5**
Montana	1,235	2,151	3.0	5.1	2.1	1.4	6.2
Idaho	312	768	3.8	11.4	3.4	4.5	7.1
Wyoming	2,144	2,872	4.2	9.6	6.3	0.7	7.2
Colorado	2,369	6,268	24.7	53.1	4.1	11.0	5.7
New Mexico	997	4,334	7.9	17.4	3.9	3.3	7.4
Arizona	2,949	7,298	30.6	56.1	4.3	12.1	6.4
Utah	1,791	4,009	16.8	19.7	3.3	7.4	6.9
Nevada	556	5,377	6.9	22.4	3.9	2.1	8.1
Pacific	**34,409**	**120,164**	**313.3**	**729.9**	**4.8**	**257.0**	**9.2**
Washington	2,430	8,066	26.0	75.9	4.1	22.3	6.0
Oregon	845	3,205	13.1	38.1	3.6	13.8	6.2
California	20,404	77,497	248.4	552.5	4.8	214.2	10.0
Alaska	(D)	19,435	8.8	13.2	7.7	3.9	22.7
Hawaii	(D)	10,658	17.0	50.2	11.2	2.8	13.1
Puerto Rico	413	1,303	9.5	15.3	(X)	8.9	(X)
Other territories and offshore	7,496	19,057	3.1	9.0	(X)	2.0	(X)
Foreign	2,044	1,841	1.6	6.9	(X)	0.7	(X)

D Withheld to avoid disclosure of data of individual companies. X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1992, and *Foreign Direct Investment in the United States, Operations of U.S. Affiliates of Foreign Companies*, Preliminary 1990 Estimates.

No. 1336. U.S. Businesses Acquired or Established by Foreign Direct Investors, by Industry of U.S. Business Enterprise: 1990 and 1991

[Foreign direct investment is the ownership or control, directly or indirectly, by one foreign individual branch, partnership, association, trust, corporation, or government of 10 percent or more of the voting securities of a U.S. business enterprise or an equivalent interest in an unincorporated one. Data represent number and full cost of acquisitions of existing U.S. business enterprises, including business segments or operating units of existing U.S. business enterprises and establishments of new enterprises. Investments may be made by the foreign direct investor itself, or indirectly by an existing U.S. affiliate of the foreign direct investor. Covers investments in U.S. business enterprises with assets of over $1 million, or ownership of 200 acres of U.S. land]

INDUSTRY	1990						1991					
	Investments			Investors			Investments			Investors		
	Total	Acquisition	Establishments	Total	Foreign direct investors	U.S. affiliates	Total	Acquisition	Establishments	Total	Foreign direct investors	U.S. affiliates
NUMBER OF INVESTMENTS [1]												
Total	**1,617**	**839**	**778**	**1,768**	**670**	**1,098**	**971**	**501**	**470**	**1,092**	**428**	**664**
Petroleum	23	17	6	24	3	21	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Manufacturing	507	414	93	556	192	364	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Wholesale trade	105	69	36	114	40	74	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Retail trade	39	28	11	40	7	33	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Banking	32	16	16	33	22	11	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Finance, except banking	61	28	33	64	23	41	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Insurance	26	21	5	26	7	19	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Real estate	503	40	463	568	268	300	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Services	203	139	64	217	68	149	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other [2]	118	67	51	126	40	86	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
INVESTMENT OUTLAYS (mil. dol.)												
Total	**65,932**	**55,315**	**10,617**	**65,932**	**14,026**	**51,906**	**22,598**	**16,821**	**5,777**	**22,598**	**8,211**	**14,386**
Petroleum	1,141	1,013	128	1,141	6	1,135	660	399	261	660	21	639
Manufacturing	23,898	22,789	1,109	23,898	5,708	18,190	10,553	9,141	1,413	10,553	4,509	6,044
Wholesale trade	1,676	1,484	192	1,676	509	1,167	443	370	73	443	101	341
Retail trade	1,250	1,197	53	1,250	28	1,222	1,365	1,205	160	1,365	459	906
Banking	897	816	81	897	115	781	433	393	40	433	290	143
Finance, except banking	2,121	875	1,246	2,121	252	1,869	1,899	1,472	427	1,899	381	1,518
Insurance	2,093	2,007	87	2,093	1,134	959	2,062	1,947	115	2,062	1,322	741
Real estate	7,771	1,873	5,898	7,771	4,330	3,441	2,919	210	2,709	2,919	839	2,080
Services	19,369	17,912	1,457	19,369	906	18,463	2,046	1,527	519	2,046	190	1,855
Other [2]	5,716	5,349	367	5,716	1,037	4,678	217	158	59	217	98	119

NA Not available. [1] Excludes investments that do not meet asset or acreage criteria in headnote. [2] Includes agriculture, forestry, and fishing; mining; construction; transportation; and communication and public utilities.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1992, and unpublished data.

No. 1337. U.S. Businesses Acquired by Foreign Direct Investors—Assets, Sales, and Employment, by Industry of U.S. Business Enterprise: 1990 and 1991

[See headnote, table 1336. Minus sign (-) indicates loss]

INDUSTRY	1990					1991				
	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employment (1,000)	Acres of land owned (1,000)	Total assets (mil. dol.)	Sales (mil. dol.)	Net income (mil. dol.)	Employment (1,000)	Acres of land owned (1,000)
Total	**95,184**	**60,165**	**332**	**454.8**	**289.4**	**133,213**	**43,295**	**-32**	**213.0**	**266.1**
Petroleum	(D)	864	22	2.9	1.5	538	395	10	1.7	(D)
Manufacturing	28,987	31,451	859	235.2	167.9	10,401	12,863	45	89.5	21.2
Wholesale trade	2,156	4,320	26	9.2	4.8	484	996	-8	4.0	0.1
Retail trade	957	1,427	11	36.2	0.5	(D)	(D)	(D)	66.2	(D)
Banking	10,057	438	51	2.7	(D)	(D)	(D)	-9	(D)	2.0
Finance, except banking	6,079	832	-56	3.6	(D)	13,245	1,254	33	3.8	0.0
Insurance	(D)	1,580	106	9.2	(D)	(D)	(D)	71	(D)	(D)
Real estate	4,322	1,123	110	3.0	4.1	(D)	100	(D)	0.2	5.1
Services	26,469	7,970	140	79.8	19.3	2,205	1,304	77	16.1	7.9
Other [1]	11,266	10,160	937	73.1	87.0	242	315	-4	3.0	(D)

D Withheld to avoid disclosure of data of individual companies. [1] Includes agriculture, forestry, and fishing; mining; construction; transportation; and communication and public utilities.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1992, and unpublished data.

No. 1338. U.S. Direct Investment Position Abroad, by Country: 1980 to 1991

[**In millions of dollars.** Direct investments represent private enterprises in one country owned or controlled by investors in another country or in the management of which foreign investors have an important role. Negative position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its equity in, and loans to the foreign affiliate. See also *Historical Statistics, Colonial Times to 1970,* series U 41-46]

COUNTRY	1980	1985	1988	1989	1990	1991			
						Total [1]	Manufacturing	Petroleum	Finance [2]
All countries	**215,375**	**230,250**	**335,893**	**370,091**	**424,086**	**450,196**	**175,413**	**59,160**	**117,094**
Developed countries	**158,214**	**172,058**	**252,649**	**274,564**	**318,156**	**335,433**	**139,082**	**41,229**	**83,952**
Canada	45,119	46,909	62,656	65,548	67,033	68,510	32,360	10,847	12,208
Europe [3]	96,287	105,171	157,077	175,213	211,194	224,554	89,090	22,829	67,423
Austria	524	493	669	588	889	1,238	223	(D)	1
Belgium	6,259	5,038	7,501	7,941	9,050	8,838	4,002	294	1,778
Denmark	1,266	1,281	1,161	1,234	1,597	1,835	313	(D)	306
France	9,347	7,643	13,041	14,069	18,874	20,495	11,952	(D)	2,170
Greece	347	210	195	264	288	291	101	26	(D)
Ireland	2,319	3,693	5,886	5,522	6,880	7,450	5,258	159	1,761
Italy	5,397	5,906	9,496	10,294	13,117	13,825	8,730	569	1,325
Luxembourg	652	690	841	1,127	1,390	1,455	784	15	425
Netherlands	8,039	7,129	16,145	18,133	22,658	24,711	7,715	1,822	11,028
Norway	1,679	3,215	4,371	3,547	3,815	4,248	104	3,638	(D)
Portugal	257	237	546	488	598	893	437	39	12
Spain	2,678	2,281	4,966	6,096	7,704	7,712	5,436	40	(D)
Sweden	1,474	933	1,119	1,129	1,600	1,693	1,213	(D)	(D)
Switzerland	11,280	15,766	18,734	19,209	25,199	26,443	1,249	836	15,432
Turkey	207	234	246	310	494	510	282	104	(Z)
United Kingdom	28,460	33,024	49,459	59,827	68,224	68,261	20,851	9,540	28,382
West Germany	15,415	16,764	21,832	24,550	27,269	32,942	20,086	3,621	4,289
Japan	6,225	9,235	18,009	18,488	20,997	22,918	10,437	4,195	2,555
Australia	7,654	8,772	12,823	13,331	14,846	15,627	6,141	2,828	1,508
New Zealand	579	576	833	1,140	3,131	2,809	558	(D)	(D)
South Africa	2,350	1,394	1,252	843	956	1,015	496	(D)	(D)
Developing countries	**53,206**	**52,764**	**80,060**	**92,098**	**102,300**	**111,608**	**36,331**	**15,526**	**33,142**
Latin America	38,761	28,261	53,506	62,727	71,593	77,342	25,687	4,339	29,888
South America [3]	16,342	17,623	21,815	23,612	23,760	25,996	15,441	2,262	2,398
Argentina	2,540	2,705	2,597	2,684	2,956	3,412	1,907	463	348
Brazil	7,704	8,893	12,609	14,522	14,918	15,222	11,002	859	1,379
Chile	536	88	672	1,069	1,368	1,555	188	(D)	531
Colombia	1,012	2,148	2,248	1,977	1,728	1,744	845	385	17
Ecuador	322	361	431	393	387	337	169	(D)	(D)
Peru	1,665	1,243	976	939	410	352	58	-37	(D)
Venezuela	1,908	1,588	1,903	1,503	1,490	2,785	1,164	262	97
Central America	10,193	9,658	13,380	16,050	17,719	23,408	9,302	1,176	9,465
Mexico	5,986	5,088	5,712	7,280	9,398	11,570	8,493	(D)	392
Panama	3,170	3,959	6,874	7,889	7,409	10,980	369	900	9,047
Other [3]	1,037	611	794	881	912	858	440	(D)	26
Costa Rica	303	113	169	163	(NA)	(NA)	(NA)	(NA)	(NA)
El Salvador	105	73	56	57	(NA)	(NA)	(NA)	(NA)	(NA)
Guatemala	229	213	201	215	(NA)	(NA)	(NA)	(NA)	(NA)
Honduras	288	171	240	317	(NA)	(NA)	(NA)	(NA)	(NA)
Other W. Hemisphere [3]	12,226	980	18,311	23,065	30,113	27,935	945	911	18,026
Bahamas, The	2,712	3,795	4,112	4,257	3,309	3,319	67	272	827
Bermuda	11,045	13,116	19,022	17,717	21,737	20,737	-	165	19,535
Dominican Republic	316	212	138	361	(NA)	(NA)	(NA)	(NA)	(NA)
Jamaica	407	122	134	223	604	667	510	(D)	3
Netherlands Antilles	-4,336	-20,499	9,983	-5,956	-2,229	-3,568	93	(D)	-3,919
Trinidad and Tobago	951	484	447	503	503	526	(D)	(D)	7
Other Africa [3]	3,778	4,497	4,219	3,993	3,905	4,371	347	3,294	237
Egypt	1,038	1,926	1,637	1,744	1,465	1,515	44	1,110	-5
Libya	575	325	315	252	240	238	-	231	-
Nigeria	18	44	660	406	161	856	92	865	-
Middle East [3]	2,163	4,606	3,806	4,166	3,973	4,715	1,192	1,928	920
Israel	379	717	701	756	756	718	429	(D)	(D)
Saudi Arabia	1,037	2,442	1,782	1,955	1,981	2,317	746	(D)	(D)
United Arab Emirates	384	792	672	652	519	544	14	472	(D)
Bahrain	-16	440	-311	-28	(NA)	(NA)	(NA)	(NA)	(NA)
Other Asia and Pacific	8,505	15,400	18,528	21,212	22,890	25,180	9,104	5,985	2,097
China: Taiwan	498	750	1,621	1,921	2,014	2,470	1,642	-4	131
Hong Kong	2,078	3,295	5,240	5,948	6,187	6,430	960	342	1,731
India	398	383	436	527	513	533	373	(D)	-2
Indonesia	1,314	4,475	2,921	3,770	3,226	3,458	206	2,889	42
Malaysia	632	1,140	1,135	1,174	1,384	1,440	687	516	50
Philippines	1,259	1,032	1,513	1,657	1,629	1,672	966	168	-63
Singapore	1,204	1,874	2,311	2,318	3,385	4,313	2,619	905	106
South Korea	575	743	1,501	1,855	2,178	2,392	960	(D)	86
Thailand	361	1,074	1,132	1,271	1,585	1,787	492	889	21
Other	186	635	719	772	788	684	224	240	5
International	**3,955**	**5,428**	**3,184**	**3,430**	**3,570**	**3,155**	**-**	**2,405**	**-**
Addendum-OPEC [4]	*6,090*	*10,383*	*8,827*	*9,046*	*8,470*	*11,028*	*2,392*	*5,383*	*1,069*

- Represents zero. D Suppressed to avoid disclosure of data of individual companies. NA Not available. Z Less than $500,000. [1] Includes industries not shown separately. [2] Includes insurance. [3] Includes countries not shown separately. [4] OPEC=Organization of Petroleum Exporting Countries. Includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August 1992.

No. 1339. U.S. Government Foreign Grants and Credits: 1946 to 1991

[In millions of dollars. "P.L." means Public Law. For explanation of minus sign (-), see headnote, table 1340. See also text, section 29, and *Historical Statistics, Colonial Times to 1970*, series U 75-101]

PROGRAM	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1987	1988	1989	1990	1991, prel.
Total, net	**51,509**	**49,723**	**70,368**	**104,189**	**9,403**	**8,085**	**10,044**	**14,533**	**-29,047**
Investment in international financial institutions [1]	635	655	2,719	10,432	1,212	1,314	1,173	1,301	1,498
Under assistance programs, net	**50,875**	**49,067**	**67,649**	**93,757**	**8,191**	**6,771**	**8,871**	**13,233**	**-30,545**
Developed countries [2]	35,150	5,834	616	757	-801	-131	63	206	-14,894
Developing countries [2]	15,725	43,233	67,033	93,000	8,990	6,902	8,807	13,027	-15,651
Net new military grants	14,200	21,564	30,236	14,957	3,131	3,576	3,802	6,717	4,221
Developed countries [2]	8,910	7,931	691	1,369	261	305	321	551	448
Developing countries [2]	5,291	13,633	29,545	13,587	2,870	3,271	3,481	6,165	3,773
Gross new grants	14,434	21,805	30,281	14,993	3,136	3,578	3,805	6,721	4,223
Foreign Assistance Act [3]	13,427	21,769	30,281	14,993	3,136	3,578	3,805	6,721	4,223
Military supplies and services	12,282	20,662	9,802	2,438	57	92	119	151	468
Military assistance, service funded [4]	-	8	18,161	-	-	-	-	-	-
Financing of military purchases [5]	-	-	1,584	10,122	2,816	3,185	3,368	6,017	3,365
Relocation of facilities in Israel	-	-	-	800	-	-	-	-	-
Other special programs	1,145	1,100	734	1,633	263	301	319	553	390
Other	1,007	36	-	-	-	-	-	-	-
Less: Reverse grants and returns	234	241	45	36	5	2	3	5	1
Other grants, credits, and other assistance (through net accumulation of foreign currency claims)	36,675	27,503	37,413	78,800	5,060	3,195	5,069	6,516	-34,766
Developed countries [2]	26,240	-2,097	-75	-612	-1,062	-436	-258	-345	-15,342
Developing countries [2]	10,434	29,600	37,488	79,412	6,122	3,631	5,326	6,862	-19,424
Net new economic and technical aid grants [6]	27,529	17,675	21,748	43,302	7,419	7,231	7,395	10,254	-32,776
Developed countries [2]	19,424	780	-182	464	67	72	54	-593	-13,592
Developing countries [2]	8,104	16,896	21,929	42,839	7,352	7,160	7,341	10,847	-19,184
Gross new grants	28,769	17,993	22,003	43,311	7,419	7,231	7,395	15,771	14,117
Foreign Assistance Act [3]	17,711	12,189	12,191	31,525	5,886	5,559	5,784	6,767	6,887
Farm products disposals:									
Foreign currencies, P.L. 83-480 [7]	-	2,048	4,234	186	6	1	2	(Z)	(Z)
Famine and other urgent relief	530	2,704	2,862	5,026	687	740	615	842	853
Payment of transportation	-	494	946	1,890	222	177	113	156	240
Food for development loan forgiveness	-	-	-	353	37	133	7	166	27
Supplies to military or trusteeship administration areas	5,528	132	536	1,246	173	202	155	50	15
Peace Corps	-	232	912	979	126	151	151	179	178
Forgiveness of Foreign Debt	-	-	-	-	-	-	207	7,220	5,128
Other	5,000	194	321	2,106	284	269	360	391	788
Less: Reverse grants and returns	1,240	318	255	9	-	-	-	-	-
Less: Receipts from Persian Gulf partners	-	-	-	-	-	-	-	5,517	46,892
Net new credits [8]	8,605	7,025	16,955	35,785	2332	-4,002	-2,324	3,705	-2,015
Developed countries [2]	6,627	3,207	310	-1,019	-1,091	-481	-294	255	-1,747
Developing countries [2]	1,978	10,232	16,645	36,805	-1,241	-3,521	-2,029	-3,960	-267
New credits	11,958	15,429	37,424	72,195	4,845	5,910	3,951	6,654	12,917
Export-Import Bank Act	4,241	5,257	15,506	22,096	990	1,060	776	2,510	1,371
Foreign Assistance Act [3]	1,919	6,196	12,053	35,324	2,529	3,473	1,590	2,346	6,048
Country program loans	1,765	5,722	8,362	10,733	347	455	397	322	2,914
Financing or military purchases	9	247	3,089	24,288	2,169	2,989	1,159	1,993	3,057
Social Progress Trust Fund	-	226	487	142	-9	-4	-1	-14	2
Other	145	2	116	162	22	34	36	46	75
P.L. 83-480 [7]	48	3,839	7,161	8,142	826	959	793	870	3,100
Loans of foreign currency:									
To foreign governments	48	3,285	1,843	10	2	(Z)	(Z)	3	(Z)
To private enterprises	-	202	217	16	3	11	9	36	7
Long-term credit sales	-	352	5,101	8,116	821	948	784	830	3,094
P.L. 80-806 [9]	-	-	2,433	5,559	500	418	790	928	2,397
Other	5,750	137	271	1,074	-	-	-	-	-
Less: Principal collections	3,353	8,404	20,469	36,410	7,176	9,912	6,274	10,830	14,931
Export-Import Bank Act	1,787	4,458	9,282	15,222	4,293	1,501	1,395	1,834	1,863
Foreign Assistance Act [3]	38	1,263	3,557	11,234	2,336	7,715	3,860	7,355	5,540
Country program loans	1	944	2,481	4,212	470	489	744	691	4,727
Financing of military purchases	2	222	852	6,492	1,835	7,193	3,083	6,639	776
Social Progress Trust Fund	-	9	198	354	16	15	11	11	20
Other	35	88	25	177	14	18	21	14	17
P.L. 83-480 [7]	-	180	3,753	2,923	275	468	353	578	3,902
Loans of foreign currency:									
To foreign governments	-	111	2,354	551	29	24	27	31	47
To private enterprise	-	43	175	96	1	1	2	4	8
Long-term credit sales	-	27	1,223	2,276	245	444	325	542	3,848
Lend-lease, surplus property, and grant settlements	675	2,001	1,438	386	16	16	16	16	17
P.L. 80-806 [9]	-	-	1,763	4,748	152	106	548	469	3,504
Other	853	501	677	1,897	105	106	103	107	105

See footnotes at end of table.

No. 1339. U.S. Government Foreign Grants and Credits: 1946 to 1991—Continued

[**In millions of dollars.** See headnote, p. 802]

PROGRAM	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1987	1988	1989	1990	1991, prel.
Other assistance (through net accumulation of foreign currency claims) [10]	541	2,802	-1,290	-287	-27	-34	-2	-33	24
Developed countries [3]	190	330	-203	-56	-38	-26	-17	-7	-3
Developing countries [2]	351	2,472	-1,086	-231	11	-8	15	-25	27
Currency claims acquired	813	11,498	6,888	1,227	84	81	64	76	100
Sales of farm products	813	11,170	3,013	114	41	35	25	13	25
Second-stage operations [11]	-	329	3,875	1,113	43	46	40	63	75
Less: Currencies disbursed	*272*	*8,696*	*8,177*	*1,514*	*111*	*116*	*66*	*108*	*76*
Economic grants and credits to purchasing country	182	6,863	6,238	180	15	16	10	36	10
Other uses	90	1,833	1,940	1,334	96	99	56	72	67

- Represents zero. Z Less than $500,000. [1] For details, see table 1340. [2] Developed countries include Australia, Canada, Japan, New Zealand, South Africa, all countries listed under "Western Europe" in table 1340, except Portugal, Spain (through 1981), Yugoslavia, and Malta, and all countries listed under "Eastern Europe" in table 1340. Developing countries include all other countries listed in table 1340 (including Spain through 1981). [3] Foreign Assistance Act of 1961 (P.L. 87-195), as amended. Also includes predecessor and related programs. [4] Includes military assistance under Dept. of Defense Appropriation Act, 1966 (P.L. 89-394) and later acts. [5] Includes funds made available under Public Law 93-199 and subsequent legislation to release Israel from its contractual liability to pay for defense articles and services purchased under other legislation. [6] Net new grants are not adjusted for settlements for postwar relief and other grants under agreements, and net new credits exclude prior grants converted into credits, which were as follows: 1946-55, $1,463 million; 1956-65, $491 million; 1972, $994 million. Repayments on these settlements are included in net new credits. [7] Agricultural Trade Development and Assistance Act. [8] Outstanding credits on Dec. 31, 1991, totaled $54,428 million representing net credits extended since organization of Export-Import Bank, Feb. 12, 1934, less chargeoffs and net adjustments due to exchange rates ($2,079 million), and excluding World War I debts. The amount repayable in dollars at U.S. Government option was $53,208 million; the remainder was repayable in foreign currencies, commodities, or services, at the option of the borrowers. [9] Commodity Credit Corporation Charter Act. [10] Equivalent value of currencies still available to be used, including some funds advanced from foreign governments and after loss by exchange rate fluctuation ($27,236 million), was $36 million on Dec. 31, 1991. [11] Includes foreign currencies acquired from triangular trade operations and principal and interest collections on credits, originally extended under P.L. 83-480, which—since enactment of P.L. 87-128—are available for the same purposes as P.L. 83-480 currencies.

Source: U.S. Bureau of Economic Analysis, press releases, and unpublished data.

No. 1340. U.S. Government Foreign Grants and Credits, by Type and Country: 1946 to 1991

[**In millions of dollars.** See text, section 29. Negative figures (-) occur when the total of grant returns, principal repayments, and/or foreign currencies disbursed by the U.S. Government exceeds new grants and new credits utilized and/or acquisitions of foreign currencies through new sales of farm products. See also *Historical Statistics, Colonial Times to 1970*, series U 75-186]

TYPE AND COUNTRY	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1987	1988	1989	1990	1991, prel.
Total, net	**51,509**	**49,723**	**70,368**	**104,189**	**9,403**	**8,085**	**10,044**	**14,533**	**-29,047**
Investment in financial institutions	**635**	**655**	**2,719**	**10,432**	**1,212**	**1,314**	**1,173**	**1,301**	**1,498**
African Development Bank	-	-	-	54	20	9	7	19	(Z)
African Development Fund	-	-	-	125	45	40	34	75	78
Asian Development Bank	-	-	110	602	95	111	160	127	146
Inter-American Development Bank	-	300	1,321	2,770	189	124	97	90	74
Special Facility For Sub-Saharan Africa	-	-	-	-	65	48	-	-	-
International Bank for Reconstruction and Development	635	-	13	353	232	95	23	61	72
International Development Association	-	320	1,275	6,417	546	826	852	842	1,051
International Finance Corporation	-	35	-	111	7	25	-	75	40
Inter-American Investment Corporation	-	-	-	-	13	13	-	13	(Z)
Multinlateral Investment Guarantee Agency	-	-	-	-	-	22	-	-	-
European Bank for Reconstruction and Development	-	-	-	-	-	-	-	-	36
Under assistance programs	**50,875**	**49,067**	**67,649**	**93,757**	**8,191**	**6,771**	**8,871**	**13,233**	**-30,545**
Developed Countries	35,150	5,834	616	757	801	-131	63	206	14,894
Developing Countries	15,725	43,233	67,033	92,999	8,992	6,902	8,807	13,027	-15,651
Western Europe	**33,067**	**6,752**	**1,004**	**1,626**	**-167**	**121**	**-247**	**-58**	**-5,862**
Austria	1,001	193	19	34	-9	9	-11	-10	-19
Belgium and Luxembourg	1,570	305	17	-46	-9	-9	-9	9	-3
Denmark	596	276	64	-58	-6	-	-	-	-
Finland	86	-26	19	21	8	6	7	-8	-5
France	8,661	171	-93	-222	-13	-14	-14	15	-8
Germany	-	-	-	-	-	-	-	-338	-6,117
Germany, Federal Republic of	3881	10	117	-117	-3	-	-1	-	-
Iceland	34	33	-8	-12	-2	-4	(Z)	(Z)	-
Ireland	146	-16	-51	7	-2	6	-7	2	-6
Italy	3,851	1,435	85	133	21	-28	-28	-30	14
Netherlands	1,716	322	116	-180	-1	-	-	-	-
Norway	697	362	379	-257	-4	-	-	-	-1
Portugal	248	241	34	1,003	8	69	71	56	44
Spain	258	1,203	607	965	-11	-113	474	-122	-76
Sweden	107	-20	17	-1	-5	3	-2	-	-
United Kingdom	7,458	105	-546	-964	347	-105	-109	111	-113
Yugoslavia	1,356	1,151	84	174	-41	-2	11	-39	-58
Other [1] and unspecified	1,399	1,351	454	1,146	290	338	320	566	514

See footnotes at end of table.

No. 1340. U.S. Government Foreign Grants and Credits, by Type and Country: 1946 to 1991—Continued

[In millions of dollars. See headnote, p. 803]

COUNTRY	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1987	1988	1989	1990	1991, prel.
Eastern Europe	**823**	**501**	**226**	**1,029**	**-161**	**-121**	**419**	**954**	**274**
Czechoslovakia	136	-	-	-5	-	-	-	(Z)	1
Poland	350	555	-75	1,017	-44	-53	524	919	243
Romania	-	-	92	55	-50	-1	-59	64	22
Soviet Union	292	-59	214	-44	66	-66	-46	-30	3
Other and unspecified	45	5	-5	6	-	-	-	1	3
Near East and South Asia	**4,944**	**16,828**	**17,195**	**50,793**	**6,276**	**2,128**	**4,442**	**6,675**	**-20,951**
Afghanistan	31	227	185	56	29	30	76	57	59
Bangladesh	-	-	701	1,670	150	170	138	175	139
Cyprus	-	19	20	138	17	14	19	16	18
Egypt	41	1,009	271	13,600	1,614	3,490	2,085	4,977	6,315
Greece	2,026	1,281	905	362	304	488	306	282	-181
India	370	4,890	3,810	1,021	66	139	71	-8	59
Iran	314	1,061	914	-847	-	-19	-	-	-23
Iraq	13	81	5	5	21	29	-16	-7	336
Israel	390	483	3,760	25,417	3,115	-1,826	1,902	4,454	2,028
Jordan	26	495	618	1,320	109	-231	162	139	37
Kuwait	-	-	-	-	-	-	-	-2,506	-13,550
Lebanon	15	78	90	233	-4	-7	(Z)	8	2
Nepal	3	86	105	177	22	19	15	20	15
Oman	-	-	(Z)	79	-33	9	8	4	5
Pakistan	189	3,092	2,048	1,971	235	389	-387	524	333
Saudi Arabia	12	35	23	-20	-	-	-	-1,614	-13,913
Sri Lanka	(Z)	89	153	512	40	43	43	72	79
Syria	1	57	15	262	(Z)	(Z)	-	(Z)	-
Turkey	1,295	3,020	2,703	3,760	449	-720	-91	367	865
United Arab Emirates	-	-	-	-	-	(Z)	-	-361	-3,709
Yemen (Sanaa)	-	40	24	216	47	33	42	14	-
Yemen	-	-	-	-	-	-	-	28	19
UNRWA [2]	-	274	296	596	61	54	39	7	76
Other and unspecified	98	510	559	263	34	26	29	27	42
Africa	**147**	**2,272**	**3,610**	**11,074**	**1,110**	**1,260**	**982**	**18,396**	**1,282**
Algeria	1	135	263	345	98	-58	-77	59	-42
Angola	-	-	6	115	24	2	-13	15	8
Benin	-	7	12	44	3	5	12	5	9
Botswana	-	(Z)	35	169	28	20	15	17	11
Burkina	-	5	40	287	24	18	14	15	29
Burundi	-	4	5	62	5	5	3	18	6
Cameroon	-	16	50	150	13	24	18	42	57
Cape Verde	-	-	1	68	7	6	4	6	5
Chad	(Z)	5	20	145	35	38	15	24	22
Ethiopia	13	200	297	310	13	71	37	54	89
Ghana	(Z)	64	203	152	10	17	46	14	26
Guinea	-	58	68	74	24	19	5	15	15
Ivory Coast	-	14	57	57	-3	27	2	25	57
Kenya	(Z)	34	76	549	46	47	56	110	81
Lesotho	-	(Z)	27	197	24	23	19	15	11
Liberia	24	139	86	459	23	27	13	31	43
Madagascar	(Z)	7	13	86	17	21	7	33	20
Malawi	-	5	30	56	19	34	44	33	47
Mali	-	12	58	199	34	50	27	31	40
Mauritania	-	1	20	161	12	11	14	11	3
Morocco	7	464	413	948	85	185	-5	95	75
Mozambique	-	-	1	175	69	56	48	80	76
Niger	-	5	64	223	43	25	34	33	45
Nigeria	(Z)	87	284	267	1	169	44	156	34
Rwanda	-	2	13	91	16	16	9	13	27
Senegal	-	18	48	361	49	45	46	60	29
Sierra Leone	(Z)	22	36	85	12	8	12	2	9

See footnotes at end of table.

No. 1340. U.S. Government Foreign Grants and Credits, by Type and Country: 1946 to 1991—Continued

[In millions of dollars. See headnote, p. 803]

COUNTRY	1946-1955, total	1956-1965, total	1966-1975, total	1976-1985, total	1987	1988	1989	1990	1991, prel.
Africa—Continued									
Somalia	(Z)	42	47	582	69	62	38	77	9
Sudan	-	86	52	1,358	101	110	118	145	88
Swaziland	-	(Z)	8	58	16	12	11	14	13
Tanzania	2	34	123	259	40	16	16	40	42
Togo	-	9	18	60	13	9	15	10	18
Tunisia	2	407	376	563	-7	-175	56	38	5
Uganda	-	12	33	40	17	21	20	43	35
Zaire	(Z)	258	342	938	112	142	72	241	43
Zambia	-	1	35	331	36	18	21	58	44
Zimbabwe	-	(Z)	(Z)	271	33	6	12	10	28
Other and unspecified	96	118	350	781	154	133	157	176	139
Far East and Pacific	**9,678**	**16,199**	**34,780**	**9,635**	**-2,614**	**304**	**408**	**-124**	**-9,181**
Australia	-9	(Z)	276	-12	-30	-26	-18	-34	-26
Burma	25	134	43	31	10	9	1	1	-3
Cambodia	28	327	1,771	-	-	-	-	-	-
China: Mainland	-	-	-	49	9	48	35	71	55
Taiwan	1,267	2,681	1,523	648	-970	-8	-7	-7	-8
Hong Kong	3	35	41	11	-8	-8	-8	-8	-
Indonesia	246	501	1,390	1,661	-12	-3	36	46	20
Japan and Ryukyu Islands	3,267	1,318	-345	-210	-319	-4	-1	-635	-9,393
Laos	37	647	1,868	-	-	-	-	-	-
Malaysia	1	30	86	39	-12	-9	-36	-1	-2
New Zealand	3	2	95	-68	-4	-4	-4	-2	-2
Pacific Islands, Trust Territory of the [3]	28	89	488	1,260	166	138	156	52	16
Philippines	1,028	554	729	1,466	331	418	338	566	385
Singapore	-	(Z)	78	110	1	1	1	2	3
South Korea	1,420	4,744	5,426	3,518	-1,717	-383	-132	-192	-331
Thailand	192	727	996	733	-77	72	12	-19	49
Vietnam	244	3,566	19,721	-	-	-	-	-	-
Other and unspecified	1,898	844	595	400	18	65	36	39	42
Western Hemisphere	**1,248**	**5,181**	**6,816**	**9,861**	**2,100**	**1,448**	**1,133**	**2,033**	**1,797**
Argentina	86	342	34	21	27	16	-6	64	87
Bolivia	77	288	270	414	124	82	131	116	176
Brazil	509	1,400	1,518	399	34	(Z)	-202	260	-22
Canada	1	4	272	317	-158	-50	-30	-41	-50
Chile	100	740	724	-565	26	11	-46	-32	-40
Colombia	43	446	846	298	22	-23	29	-29	19
Costa Rica	15	83	103	687	159	107	143	108	63
Dominican Republic	2	184	360	550	78	52	52	28	22
Ecuador	32	131	144	153	60	47	24	61	22
El Salvador	3	56	93	1,681	418	405	406	303	291
Guatemala	23	146	160	270	159	142	161	96	75
Guyana	(Z)	7	71	36	8	5	8	42	11
Haiti	27	75	42	370	94	41	76	53	67
Honduras	6	53	113	801	212	194	133	223	182
Jamaica	16	3	120	643	92	95	148	108	101
Mexico	225	178	305	1,162	543	62	-100	141	8
Nicaragua	8	67	150	197	(Z)	(Z)	(Z)	100	382
Panama	10	103	210	205	10	13	8	102	148
Paraguay	4	67	86	22	(Z)	(Z)	1	(Z)	1
Peru	55	304	274	757	74	67	36	87	86
Trinidad and Tobago	-	35	21	151	-33	-11	16	5	5
Uruguay	8	90	116	-9	-3	9	-6	-4	5
Venezuela	6	156	115	-35	-38	-28	-21	18	-14
Central American Bank for Economic Integration	-	6	121	36	-4	-3	-1	-5	-5
Caribbean Development Bank	-	-	8	108	-1	-2	-2	-2	-6
Other [4] and unspecified	-6	218	543	1,193	197	219	233	268	192
Other international organizations and unspecified areas	**969**	**1,335**	**4,018**	**9,739**	**1,648**	**1,671**	**1,943**	**1,916**	**2,096**

- Represents zero. Z Less than $500,000. [1] Includes European Atomic Energy Community, European Coal and Steel Community, European Payments Union, European Productivity Agency, North Atlantic Treaty Organization, and Organization for European Economic Cooperation. [2] United Nations Relief and Works Agency for Palestine refugees. [3] Excludes transactions after October 1986, with Commonwealth of the Northern Mariana Islands; includes transactions with Federated States of Micronesia, Republic of the Marshall Islands, and Republic of Palau. [4] Includes Andean Development Corporation, Eastern Caribbean Central Bank, Inter-American Institute of Agricultural Sciences, Organization of American States, and Pan American Health Organization.

Source: U.S. Bureau of Economic Analysis, press releases, and unpublished data.

No. 1341. U.S. Foreign Economic and Military Aid Programs: 1946 to 1991

[**In millions of dollars.** For years ending **June 30** except, beginning **1977,** ending **Sept. 30.** Economic aid shown here represents U.S. economic aid-not just aid under Foreign Assistance Act. Major components in recent years include AID, Food for Peace, Peace Corps, and paid-in subscriptions to international financial institutions, such as IBRD, and IDB. Cumulative totals for 1946-1991 are true totals net of deobligation; annual figures however, are gross unadjusted program figures. Military aid includes Military Assistance Program (MAP) grants, foreign military credit sales, service-funded programs, and excess defense articles]

PERIOD OR YEAR AND REGION	Total economic and military aid	ECONOMIC AID			MILITARY AID		
		Total	Loans	Grants	Total	Loans	Grants
1946 to 1991, total	**389,731**	**243,796**	**56,003**	**187,793**	**145,935**	**41,488**	**104,447**
1946 to 1952	41,661	31,116	8,518	22,598	10,545	-	10,545
1953 to 1961	43,358	24,053	5,850	18,203	19,305	161	19,144
1962 to 1969	50,254	33,392	15,421	17,972	16,862	1,620	15,242
1970 to 1979	65,714	26,902	9,995	16,907	38,812	14,179	24,633
1980 to 1989	140,130	92,082	13,740	78,342	48,048	21,884	26,164
1970	6,568	3,676	1,389	2,288	2,892	70	2,822
1975	6,916	4,908	1,679	3,229	2,009	750	1,259
1976	6,412	3,878	1,759	2,119	2,535	1,442	1,093
1976, TQ [1]	2,603	1,931	840	1,091	672	494	178
1977	7,784	5,594	2,083	3,511	2,190	1,411	779
1978	9,014	6,661	2,530	4,131	2,353	1,601	752
1979	13,845	7,120	1,900	5,220	6,725	5,173	1,552
1980	9,695	7,573	1,993	5,580	2,122	1,450	672
1981	10,550	7,305	1,460	5,845	3,245	2,546	699
1982	12,324	8,129	1,454	6,675	4,195	3,084	1,111
1983	14,202	8,603	1,619	6,984	5,599	3,932	1,667
1984	15,524	9,038	1,621	7,417	6,486	4,401	2,085
1985	18,128	12,327	1,579	10,748	5,801	2,365	3,436
1986	16,739	10,900	1,330	9,570	5,839	1,980	3,859
1987	14,488	9,386	1,138	8,248	5,102	953	4,149
1988	13,792	8,961	852	8,109	4,831	763	4,068
1989	14,688	9,860	694	9,166	4,828	410	4,418
1990	15,727	10,834	756	10,078	4,893	404	4,489
1991	**16,405**	**11,623**	**354**	**11,269**	**4,783**	**428**	**4,355**
Near East and South Asia	7,660	3,628	171	3,457	4,032	370	3,662
East Asia	806	574	14	560	232	25	207
Europe	519	415	-	415	104	-	104
Latin America	1,712	1,475	100	1,376	237	23	214
Africa	1,394	1,300	66	1,234	94	10	84
Oceania and other	29	28	-	28	-	-	-
Non-regional	4,285	4,201	3	4,198	85	-	85

- Represents zero. [1] Transition quarter, July-Sept.

No. 1342. U.S. Foreign Military Aid, by Region and Selected Countries: 1985 to 1991

[**In millions of dollars.** For years ending **Sept. 30.** Military aid data include Military Assistance Program (MAP) grants, foreign military credit sales, International Military Education and Training, and excess defense articles]

REGION AND COUNTRY	1985	1988	1989	1990	1991	REGION AND COUNTRY	1985	1988	1989	1990	1991
Total	**5,801**	**4,831**	**4,828**	**4,893**	**4,783**	Cameroon	5	(Z)	(Z)	-	1
Europe	**531**	**88**	**105**	**89**	**104**	Djibouti	3	1	1	2	2
Portugal	128	85	103	87	101	Gabon	(Z)	(Z)	(Z)	-	-
Spain	403	2	2	2	2	Kenya	22	6	16	11	1
Near East and South Asia	**4,248**	**4,231**	**4,202**	**4,241**	**4,032**	Liberia	13	1	1	-	-
Egypt	1,177	1,302	1,302	1,296	1,302	Morocco	50	53	53	44	44
Greece	501	344	351	349	351	Niger	5	1	1	2	2
Israel	1,400	1,800	1,800	1,792	1,800	Somalia	34	7	1	1	-
Jordan	92	28	12	70	21	Sudan	46	1	1	1	-
Lebanon	1	(Z)	(Z)	-	-	Tunisia	67	28	31	31	12
Oman	40	(Z)	(Z)	-	3	Zaire	8	4	4	4	-
Pakistan	326	261	231	230	-	**Latin America** [1]	**269**	**144**	**164**	**234**	**237**
Turkey	704	493	504	501	554	Colombia	1	4	8	73	50
Yemen	6	2	2	2	-	Costa Rica	11	(Z)	(Z)	-	-
East Asia	**416**	**182**	**157**	**152**	**232**	Dominican Rep	9	1	1	2	2
Indonesia	34	6	3	2	27	Ecuador	7	1	5	1	3
Malaysia	5	1	1	1	-	El Salvador	136	82	81	81	67
Philippines	42	128	128	143	203	Haiti	1	(Z)	(Z)	1	2
South Korea	232	2	2	1	1	Honduras	67	41	41	21	34
Thailand	102	46	24	5	1	Jamaica	8	(Z)	4	1	2
Africa [1]	**279**	**116**	**118**	**114**	**94**	Panama	11	-	-	-	-
Botswana	9	(Z)	1	1	1	Peru	9	(Z)	3	2	25
						Non-regional	**58**	**70**	**82**	**63**	**85**

- Represents zero. Z Less than $500,000. [1] Includes amounts not shown separately.

Source: U.S. Agency for International Development, U.S. Overseas Loans and Grants and Assistance from International Organizations, annual.

No. 1343. U.S. Foreign Aid—Commitments for Economic Assistance, by Region and Selected Countries: 1985 to 1991

[**In millions of dollars.** For years ending **Sept. 30.** Falls under economic portion of the Foreign Assistance Act. Data cover commitments for economic and technical assistance by AID. See text, section 29]

REGION AND COUNTRY	1985	1988	1989	1990	1991
Total	**8,132**	**5,705**	**6,136**	**6,964**	**7,668**
Europe	**94**	**77**	**54**	**141**	**341**
Italy	2	-	-	-	-
Portugal	80	32	50	39	43
Spain	12	3	-	-	-
Near East and South Asia [1]	**3,867**	**2,523**	**2,562**	**2,565**	**3,192**
Bangladesh	76	49	53	56	49
Cyprus	15	10	20	5	15
Egypt	1,065	718	817	901	783
Israel	1,950	1,200	1,200	1,195	1,850
Jordan	100	24	16	4	31
Lebanon	20	5	3	8	9
Nepal	18	12	15	17	24
Oman	20	13	15	13	16
Pakistan	250	385	265	276	96
Sri Lanka	35	28	29	21	28
Turkey	175	32	60	15	250
Yemen (Sanaa)	28	22	24	23	3
Regional	23	-	-	12	8
East Asia	**313**	**225**	**541**	**482**	**522**
Burma	15	6	-	-	-
Indonesia	72	42	50	46	60
Philippines	183	78	347	314	328
Thailand	36	25	23	14	3
East Asia Regional	7	74	122	106	118
Africa [1]	**900**	**644**	**748**	**666**	**919**
Botswana	10	13	9	9	8
Burkina	8	4	6	4	6
Burundi	4	6	2	20	15
Cameroon	24	19	33	22	20
Cape Verde	3	3	3	3	4
Chad	16	17	16	11	16
Congo	1	1	1	1	1
Djibouti	4	4	3	3	4
Equatorial Guinea	1	1	1	1	1
Gambia, The	6	4	4	5	15
Ghana	2	7	10	15	29
Guinea	4	18	16	15	31
Guinea-Bissau	4	1	2	3	4
Kenya	40	43	56	36	25
Lesotho	11	26	10	7	11
Liberia	60	10	21	-	-
Malawi	25	44	21	23	57
Mali	32	21	27	21	37
Mauritania	11	4	2	1	1
Mauritius	7	15	2	-	3
Morocco	38	31	32	31	50
Niger	28	35	24	20	28
Rwanda	19	5	9	12	40
Senegal	44	24	49	37	25
Seychelles	2	3	3	3	3
Sierra Leone	(Z)	1	1	1	1
Somalia	51	10	13	1	1
Sudan	149	17	5	8	2
Swaziland	9	16	7	7	9
Tanzania	(Z)	9	10	9	39
Togo	4	4	4	4	9
Tunisia	23	12	13	14	4
Uganda	9	25	14	43	45
Zaire	36	31	36	31	22
Zambia	42	13	7	17	35
Zimbabwe	41	13	29	28	43
Regional	96	65	110	73	12
Latin America [1]	**1,506**	**967**	**937**	**1,486**	**1,075**
Belize	23	8	8	6	7
Boliva	18	38	37	58	100
Costa Rica	196	101	115	78	42
Dominican Rep.	126	33	20	18	14
Ecuador	33	15	27	17	16
El Salvador	376	266	253	200	180
Grenada	11	-	-	-	-
Guatemala	76	110	114	86	60
Guyana	-	-	-	2	1
Haiti	31	31	40	42	51
Honduras	205	130	53	167	99
Jamaica	115	40	65	28	27
Nicaragua	-	-	4	220	215
Panama	74	1	-	396	40
Paraguay	1	1	1	1	1
Peru	38	28	22	22	69
ROCAP [2]	107	59	48	30	21
Regional	30	74	100	88	96
Non-regional	**1,453**	**1,269**	**1,296**	**1,607**	**1,598**

- Represents zero. Z Less than $500,000. [1] Includes countries not shown separately. [2] Regional programs covering Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance from International Organizations*, annual; and unpublished data.

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No. 1344. U.S. Exports and Imports of Merchandise: 1970 to 1992

[**In billions of dollars, except percent.** Includes silver ore and bullion; beginning 1974, includes shipments of nonmonetary gold. Data may differ from those shown in other tables due to revisions and inclusion of the Virgin Islands since 1974. For basis of dollar values, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 190-195 and U 207-212]

YEAR	Merchandise trade balance	EXPORTS [1]					GENERAL IMPORTS [4]				AVERAGE ANNUAL PERCENT CHANGE [5]	
		Total [2]	Domestic				Total [3]	Petroleum	Machinery	Transport equipment	Domestic exports	General imports
			Total [3]	Agricultural	Machinery	Transport equipment						
1970	2.7	42.7	42.0	7.2	11.4	6.5	40.0	2.8	5.3	5.9	14.1	10.8
1971	-2.0	43.5	42.9	7.7	11.6	7.9	45.6	3.3	6.0	7.9	1.9	14.0
1972	-6.4	49.2	48.4	9.4	13.2	8.3	55.6	4.3	7.8	9.6	13.1	21.9
1973	1.3	70.8	69.7	17.7	17.1	10.7	69.5	7.6	10.0	11.1	43.9	25.0
1974	4.5	98.1	96.5	22.0	23.7	14.5	102.6	24.3	11.6	12.5	38.6	47.6
1975	9.1	107.7	106.1	21.9	28.5	17.2	98.5	24.8	12.0	12.2	9.8	-4.0
1976	8.3	115.2	113.5	23.0	31.3	18.2	123.5	31.8	15.2	14.6	7.0	25.4
1977	-29.2	121.2	118.9	23.7	32.5	18.5	150.4	41.5	17.7	17.8	5.2	21.8
1978	-31.1	143.7	141.0	29.4	37.0	22.3	174.8	39.1	24.4	23.2	18.6	16.2
1979	-27.6	181.9	178.6	34.8	44.7	25.8	209.5	56.0	28.0	25.6	26.6	19.9
1980	-24.2	220.6	216.5	41.3	55.8	28.8	244.9	77.6	31.9	28.6	21.3	16.9
1981	27.3	233.7	228.9	43.3	62.9	32.8	261.0	75.6	38.2	31.4	5.9	6.6
1982	-31.8	212.3	207.1	36.6	60.3	23.6	244.0	59.4	39.7	33.6	-9.2	6.5
1983	-57.5	200.5	196.0	36.1	54.3	28.3	258.0	52.3	47.0	39.2	-5.6	5.7
1984	-107.9	217.9	212.1	37.8	60.3	29.7	325.7	55.9	68.4	50.8	8.7	26.2
1985	-132.1	213.1	206.9	29.2	59.5	34.8	345.3	49.6	75.3	62.0	-2.2	6.0
1986	-152.7	217.3	206.4	26.1	60.4	34.9	370.0	34.1	87.5	74.0	2.0	7.2
1987	-152.1	254.1	243.9	28.6	69.6	39.0	406.2	41.5	99.4	78.4	16.9	9.8
1988	-118.6	322.4	310.0	37.0	88.4	46.7	441.0	38.8	117.3	79.8	26.9	8.6
1989	-109.6	363.8	349.4	40.0	98.3	50.5	473.4	49.1	126.8	79.0	12.8	7.3
1990	-101.7	393.6	375.1	38.7	122.4	32.1	495.3	60.5	134.8	72.4	8.2	4.6
1991	65.4	421.7	401.1	38.5	139.7	34.9	487.1	50.1	131.8	70.6	7.1	-1.7
1992	-84.3	448.2	425.7	42.1	126.3	36.6	532.5	50.4	148.4	75.3	6.3	9.3

[1] Includes "Special Category" items and beginning 1974, includes trade of Virgin Islands with foreign countries. F.a.s. value basis. [2] Domestic and foreign exports excluding M.A.P. Grant-Aid shipments, through 1985; 1986 through 1988 include Grant-Aid shipments. [3] Includes commodity groups not shown separately. [4] 1970-73, 1982-91, customs value basis; 1974-81, f.a.s. value basis. Beginning 1974, includes trade of Virgin Islands with foreign countries. [5] 1970, change from 1965; thereafter, from previous year. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of the Census, 1970-88, *Highlights of U.S. Export and Import Trade*, FT 990, monthly; beginning 1989, *U.S. Merchandise Trade: Export, General Imports, and Imports for Consumption*, series FT 925, monthly.

No. 1345. U.S. Exports, by State of Origin: 1990 to 1992

[**In millions of dollars.** Exports are on a f.a.s. value basis]

STATE AND OTHER AREAS	1990	1991	1992		STATE AND OTHER AREAS	1990	1991	1992	
			Total	Rank				Total	Rank
Total	**394,045**	**421,851**	**448,156**	**(X)**	MT	229	279	268	48
					NE	693	960	1,233	40
U.S.	**315,065**	**351,343**	**379,263**	**(X)**	NV	394	427	507	44
AL	2,834	3,325	3,629	26	NH	973	988	917	39
AK	2,850	3,134	3,195	28	NJ	7,633	8,740	8,955	13
AZ	3,729	4,465	5,109	20	NM	249	309	356	47
AR	920	1,147	1,324	37	NY	22,072	23,261	22,628	4
CA	44,520	50,415	56,307	1	NC	8,010	8,540	10,374	14
CO	2,274	2,574	2,594	29	ND	360	335	336	45
CT	4,356	4,995	5,028	19	OH	13,378	14,855	16,306	7
DE	1,344	1,441	1,508	36	OK	1,646	1,770	1,987	33
DC	320	269	344	(X)	OR	4,065	4,264	4,890	22
FL	11,634	13,257	14,431	9	PA	8,491	9,411	10,329	12
GA	5,763	6,815	7,652	15	RI	595	679	859	43
HI	179	148	206	50	SC	3,116	3,741	4,222	23
ID	898	958	1,076	41	SD	205	218	232	49
IL	12,965	14,025	15,328	8	TN	3,746	4,344	5,156	21
IN	5,273	5,724	6,148	16	TX	32,931	40,079	43,553	2
IA	2,189	2,263	2,476	30	UT	1,596	1,906	2,706	32
KS	2,113	2,148	2,514	31	VT	1,154	1,091	1,314	38
KY	3,175	3,217	3,648	27	VA	9,333	10,004	9,784	11
LA	14,199	15,456	16,151	6	WA	24,432	27,053	28,041	3
ME	870	915	902	42	WV	1,550	1,656	1,746	35
MD	2,592	3,363	3,879	25	WI	5,158	5,319	6,173	18
MA	9,501	10,018	10,400	10	WY	264	328	368	46
MI	18,474	20,236	20,414	5					
MN	5,091	5,376	6,137	17	PR	3,600	3,657	3,872	(X)
MS	1,605	1,738	1,963	34	VI	51	171	121	(X)
MO	3,130	3,367	3,664	24	Other [1]	75,328	66,680	64,900	(X)

X Not applicable. [1] Includes unreported, not specified, special category, estimated shipments, foreign trade zone, re-exports, and any timing adjustments.

Source: U.S. Bureau of the Census, *U.S. Merchandise Trade*, series FT 900, December issues.

No. 1346. U.S. Exports and Imports for Consumption of Merchandise, by Coastal Area and Customs District: 1980 to 1992

[In billions of dollars. Exports are f.a.s. (free alongside ship) value all years; imports are on customs value basis. See also *Historical Statistics, Colonial Times to 1970*, series U 264-273]

U.S. COASTAL AREA AND CUSTOMS DISTRICT	EXPORTS							IMPORTS FOR CONSUMPTION						
	1980	1985	1988	1989	1990	1991	1992	1980	1985	1988	1989	1990	1991	1992
Total [1]	**220.8**	**213.1**	**320.4**	**363.8**	**393.0**	**421.9**	**447.5**	**244.0**	**343.6**	**437.1**	**468.0**	**490.6**	**483.0**	**525.1**
North Atlantic area	**68.8**	**46.5**	**69.2**	**79.2**	**85.7**	**90.6**	**89.2**	**79.8**	**107.1**	**126.3**	**126.8**	**128.7**	**123.6**	**130.6**
Portland, ME	4.3	0.6	1.0	1.2	1.7	2.1	1.8	1.6	2.3	3.4	3.5	4.3	3.8	4.0
St. Albans, VT	0.7	1.1	1.9	2.7	4.0	4.1	4.0	1.6	2.7	3.6	4.2	5.2	5.2	5.3
Boston, MA	0.8	3.0	5.7	6.2	5.6	4.3	4.4	5.0	8.2	12.6	12.0	12.2	11.8	12.0
Providence, RI	2.7	0.1	(Z)	(Z)	(Z)	(Z)	(Z)	1.5	2.3	1.5	1.4	1.3	1.1	1.1
New York, NY	38.9	28.5	42.4	47.0	50.9	54.6	53.4	43.4	60.5	69.7	70.4	68.0	67.4	72.8
Philadelphia, PA	3.2	2.0	3.4	3.9	4.0	4.4	4.4	15.6	15.8	15.6	16.0	18.3	16.1	16.4
Baltimore, MD	9.0	5.5	6.8	7.7	6.7	8.0	7.7	6.0	8.8	12.1	11.8	11.2	10.1	10.8
Norfolk, VA [2]	8.0	5.4	7.3	9.4	11.7	11.5	11.9	4.7	6.0	7.0	6.8	7.4	7.4	7.5
Washington, DC	0.3	0.5	0.7	1.1	1.1	1.6	1.6	0.4	0.5	0.8	0.7	0.8	0.7	0.8
South Atlantic area	**14.7**	**15.0**	**24.2**	**27.7**	**31.0**	**34.5**	**38.7**	**15.5**	**20.4**	**28.4**	**31.5**	**34.5**	**33.6**	**37.8**
Wilmington, NC	1.3	1.3	1.4	2.1	3.0	2.8	3.9	1.1	1.9	2.9	3.0	3.3	3.4	4.6
Charleston, SC [2]	3.1	2.9	5.0	6.2	6.7	7.2	7.3	1.8	3.3	6.1	6.5	6.8	6.3	6.6
Savannah, GA	2.4	3.4	6.0	6.8	7.4	8.4	8.9	2.2	5.1	8.3	4.5	9.8	10.1	11.3
San Juan, PR	0.9	1.2	1.7	2.1	2.5	2.4	2.5	3.7	4.0	4.1	4.7	5.4	4.8	5.0
Virgin Islands of the U.S.	0.1	0.1	0.1	0.1	0.2	0.3	0.1	4.1	1.7	1.0	1.6	2.1	1.7	1.8
Miami, FL	6.9	6.1	9.9	10.4	11.2	13.4	16.0	2.6	4.4	6.0	6.2	7.1	7.3	8.4
Gulf area	**51.1**	**38.4**	**49.7**	**56.9**	**58.2**	**66.0**	**70.9**	**62.3**	**50.5**	**56.3**	**64.1**	**72.3**	**67.6**	**70.4**
Tampa, FL	2.8	2.8	3.6	4.0	4.3	5.2	5.2	3.7	6.6	7.3	6.7	7.0	6.8	7.0
Mobile, AL [2]	2.6	1.1	1.4	1.9	1.9	2.2	2.2	3.0	2.8	2.8	3.4	3.4	3.3	3.2
New Orleans, LA	19.5	13.9	16.9	18.5	18.0	18.8	20.1	22.5	14.7	17.1	20.6	24.1	22.3	23.3
Port Arthur, TX	2.0	0.8	1.1	1.2	0.9	0.7	0.8	9.4	2.7	1.8	2.8	3.2	2.8	3.1
Laredo, TX	8.3	7.2	10.6	13.4	15.2	18.2	21.7	2.7	4.8	7.9	9.4	10.0	10.4	11.8
St. Louis, MO	0.2	0.1	0.2	0.5	0.3	0.4	0.7	0.9	1.6	2.7	3.0	3.0	2.8	3.4
Houston/Galveston, TX	15.7	12.5	15.9	17.4	17.6	20.5	20.2	20.1	17.3	16.7	18.2	21.6	19.2	18.7
Pacific area	**43.8**	**49.6**	**82.8**	**98.9**	**111.2**	**120.0**	**129.5**	**43.1**	**80.4**	**111.8**	**121.4**	**125.7**	**127.3**	**139.5**
San Diego, CA	1.4	1.6	2.5	3.0	3.4	3.9	4.6	1.0	1.8	3.4	4.0	4.3	4.7	5.5
Los Angeles, CA	14.8	19.5	32.0	38.6	42.1	46.0	49.4	20.0	44.1	58.0	62.3	64.1	66.4	71.9
San Francisco, CA	10.6	11.3	19.1	21.4	23.1	23.9	27.1	8.3	15.5	25.1	27.1	28.0	29.2	33.2
Portland, OR	3.8	3.5	5.6	6.2	5.8	6.0	7.2	2.6	3.8	5.8	5.7	5.6	5.3	5.1
Seattle, WA	12.0	12.1	20.9	26.6	32.6	35.0	35.5	9.2	13.4	17.8	20.2	20.9	18.9	20.5
Anchorage, AK	1.0	1.3	2.2	2.6	3.7	4.6	5.1	0.2	0.2	0.2	0.4	0.7	0.9	1.3
Honolulu, HI	0.2	0.4	0.6	0.5	0.5	0.6	0.6	1.8	1.6	1.6	1.7	2.1	1.9	2.1
Great Lakes area	**35.0**	**46.5**	**62.6**	**63.9**	**78.7**	**80.6**	**85.7**	**37.0**	**72.3**	**95.9**	**103.7**	**107.5**	**108.1**	**121.3**
Ogdensburg, NY	3.8	4.1	5.3	5.6	7.9	7.5	7.9	4.6	6.8	8.5	9.2	9.8	9.9	10.0
Buffalo, NY	6.3	8.4	10.5	9.5	15.8	15.7	18.0	7.4	14.7	18.1	19.0	19.2	18.7	21.2
Pembina, ND	2.3	2.2	2.8	3.4	3.4	4.3	4.3	3.0	3.2	3.3	3.9	4.1	4.1	4.5
Minneapolis, MN	0.1	0.2	0.5	0.8	0.9	0.9	1.1	0.3	1.0	1.6	1.9	2.0	2.2	2.7
Duluth, MN	1.5	0.9	1.2	1.2	0.8	0.8	0.9	3.0	3.0	3.2	3.5	3.9	3.3	3.6
Milwaukee, WI	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.4	1.0	1.1	0.9	1.1	1.1	1.2
Detroit, MI	14.6	22.8	30.1	28.9	35.6	36.0	37.4	12.7	27.4	35.7	38.7	37.8	37.6	42.0
Chicago, IL	4.2	5.4	8.7	10.0	10.2	11.3	11.9	4.1	11.4	16.1	17.4	18.3	19.4	22.5
Cleveland, OH	1.8	2.1	3.4	3.9	4.0	4.0	4.1	1.5	3.8	8.3	9.2	11.3	11.8	13.8
Other statistical areas [3]	**7.4**	**17.1**	**31.8**	**37.7**	**28.2**	**30.2**	**33.3**	**6.3**	**12.7**	**18.5**	**19.8**	**21.9**	**22.8**	**25.3**
El Paso, TX	1.8	2.1	3.8	4.0	3.9	4.7	6.1	1.4	2.5	4.5	5.1	5.0	5.5	6.5
Nogales, AZ	0.8	0.8	1.3	1.5	2.1	2.2	2.8	1.2	2.0	3.2	3.7	4.2	4.4	4.6
Great Falls, MT	1.8	1.5	1.6	1.8	2.4	3.3	3.1	3.2	4.0	4.0	4.1	4.7	4.6	4.9
Dallas/Fort Worth, TX	0.5	1.0	2.1	2.7	3.4	2.6	3.9	1.2	2.4	4.1	4.1	4.8	4.9	5.3

Z Less than $50 million. [1] Totals shown for exports reflect the value of estimated parcel post and Special Category shipments, and beginning 1988, adjustments for undocumented exports to Canada which are not distributed by coastal area/customs district. Beginning 1985, the value of bituminous coal exported through Norfolk, VA; Charleston, SC; and Mobile, AL is reflected in the total but not distributed by district. [2] Beginning 1985, excludes exports of bituminous coal. [3] Includes estimated shipments and vessel-own power.

Source: U.S. Bureau of the Census, 1980-1988, *Highlights of U.S. Export and Import Trade*, FT 990; beginning 1989, *U.S. Merchandise Trade: Selected Highlights*, series FT 920, monthly.

No. 1347. Export and Import Unit Value Indexes—Selected Countries: 1988 to 1992

[Indexes in U.S. dollars, 1985 = 100. A unit value is an implicit price derived from value and quantity data. NA Not available]

COUNTRY	EXPORT UNIT VALUE					IMPORT UNIT VALUE				
	1988	1989	1990	1991	1992	1988	1989	1990	1991	1992
United States	**109.9**	**112.8**	**113.9**	**114.9**	**115.0**	**108.6**	**111.9**	**115.6**	**115.6**	**116.5**
Australia	131.7	140.6	140.0	127.7	(NA)	126.6	126.8	130.2	131.3	129.3
Austria	160.7	146.2	169.6	159.8	(NA)	147.1	141.0	160.0	156.1	(NA)
Belgium-Luxembourg	145.3	146.3	167.4	161.6	(NA)	134.8	134.9	156.0	151.6	(NA)
Canada	111.2	118.4	119.2	117.1	114.3	107.3	111.9	115.6	116.1	114.7
Denmark	149.3	146.2	169.9	164.7	172.6	138.3	136.5	155.8	151.6	155.4
France	145.9	144.1	166.1	159.0	(NA)	129.7	129.4	149.0	142.6	(NA)
Germany	159.2	155.5	178.9	173.1	182.7	133.4	133.9	151.9	150.4	154.9
Italy	148.5	149.8	175.2	174.1	(NA)	123.9	126.5	143.8	137.8	(NA)
Japan	143.7	143.2	141.7	151.2	163.9	102.9	107.0	112.7	110.9	110.1
Norway	95.9	101.4	116.8	108.2	104.1	139.5	139.5	155.0	147.2	149.9
Sweden	147.9	150.9	167.5	165.4	(NA)	138.3	136.5	151.6	147.4	(NA)
United Kingdom	130.4	129.5	148.1	147.5	148.7	134.5	132.6	149.3	149.0	148.4

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

No. 1348. Characteristics of U.S. Exporters: 1987

SIC [1] code	INDUSTRY AND EMPLOYMENT-SIZE CLASS	Number of exporters	Number of employees (1,000)	Value of exports [2] (mil. dol.)	PERCENT DISTRIBUTION		
					Number of exporters	Number of employees (1,000)	Value of exports [2] (mil. dol.)
(X)	**All industries**	**129,883**	**10,276**	**241,273**	**100.0**	**100.0**	**100.0**
	Less than 20 employees	66,935	472	29,884	51.5	4.6	12.4
	20 to 99 employees	28,071	1,068	18,244	21.6	10.4	7.6
	100 to 499 employees	13,722	1,582	21,171	10.6	15.4	8.8
	500 employees or more	21,155	7,155	171,973	16.3	69.6	71.3
(X)	Manufacturing	54,045	8,654	155,607	41.6	84.2	64.5
20	Food and kindred products	2,751	446	15,298	2.1	4.3	6.3
21	Tobacco products	189	78	1,974	0.1	0.8	0.8
22	Textile mill products	1,177	239	1,188	0.9	2.3	0.5
23	Apparel and other textile products	1,477	130	509	1.1	1.3	0.2
24	Lumber and wood products	1,402	115	1,875	1.1	1.1	0.8
25	Furniture and fixtures	958	167	534	0.7	1.6	0.2
26	Paper and allied products	1,474	296	5,953	1.1	2.9	2.5
27	Printing, publishing & allied products	2,211	266	1,195	1.7	2.6	0.5
28	Chemicals and allied products	3,894	553	17,885	3.0	5.4	7.4
29	Petroleum and coal products	507	70	5,895	0.4	0.7	2.4
30	Rubber and misc. plastics products	3,193	349	2,645	2.5	3.4	1.1
31	Leather and leather products	395	40	274	0.3	0.4	0.1
32	Stone, clay, and glass products	1,353	185	1,352	1.0	1.8	0.6
33	Primary metal products	1,952	421	3,835	1.5	4.1	1.6
34	Fabricated metal products	5,317	497	3,634	4.1	4.8	1.5
35	Machinery, except electrical	9,729	1,064	21,076	7.5	10.4	8.7
36	Electronic & other electric equipment	5,697	844	10,803	4.4	8.2	4.5
37	Transportation equipment	3,358	1,940	45,312	2.6	18.9	18.8
38	Instruments and related products	4,837	812	13,389	3.7	7.9	5.5
39	Misc. manufactured commodities	2,174	142	983	1.7	1.4	0.4
(X)	Wholesalers	48,928	835	68,452	37.7	8.1	28.4
	Agricultural	2,096	30	12,614	1.6	0.3	5.2
	Manufactured	45,819	791	54,283	35.3	7.7	22.5
	Other	1,013	14	1,555	0.8	0.1	0.6
	Other intermediaries [3]	26,910	788	17,213	20.7	7.7	7.1

[1] Standard Industrial Classification. [2] Based on f.o.b. (free on board) basis which excludes freight and wholesale margins. [3] Includes retailers, brokers, freight forwarders, and others.

Source: U.S. Bureau of the Census, unpublished data.

No. 1349. U.S. Trade in Advanced Technology Products: 1989 to 1992

[**In billions of dollars.** Exports are f.a.s. value basis and imports are on customs value basis]

PRODUCT CATEGORY	EXPORTS				GENERAL IMPORTS				MERCHANDISE TRADE BALANCE			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Total [1]	**83.5**	**93.4**	**100.0**	**105.1**	**56.4**	**59.3**	**63.1**	**71.8**	**27.1**	**34.1**	**36.9**	**33.3**
Advanced materials [2]	5.3	6.4	6.2	0.6	0.8	1.0	1.1	0.4	4.5	5.4	5.1	0.2
Aerospace	30.6	37.0	41.9	42.5	9.2	10.7	12.1	12.8	21.4	26.3	29.8	29.7
Biotechnology [3]	0.5	0.6	0.7	0.7	(Z)	(Z)	(Z)	(Z)	0.5	0.6	0.7	0.7
Electronics	7.3	7.5	8.9	16.5	10.7	11.0	12.4	15.4	-3.4	-3.5	-3.5	1.2
Flexible manufacturing [4]	3.1	3.1	3.3	3.4	2.0	1.7	1.8	1.7	1.1	1.4	1.5	1.7
Information and communications	28.1	31.4	30.7	32.5	29.4	30.2	29.2	33.9	-1.3	1.2	1.5	-1.4
Life science	4.2	4.9	5.5	5.8	3.0	3.4	4.3	4.8	1.2	1.5	1.2	1.1
Nuclear technology	1.4	1.3	1.3	1.5	(Z)	(Z)	(Z)	(Z)	1.4	1.3	1.3	1.5
Opto-electronics [5]	0.4	0.5	0.6	0.6	0.9	1.1	2.0	2.6	-0.5	-0.6	-1.4	-2.0
Weapons	0.7	0.7	0.9	0.8	0.2	0.1	0.2	(Z)	0.5	0.6	0.7	0.6

Z Less than $50 million. [1] 1989 includes end of year adjustments for carry-over and other corrections not carried to kind of product detail; therefore, detail will not add. [2] Encompasses recent advances in the development of materials that allow for further development and application of other advanced technologies. Examples are semiconductor materials, optical fiber cable and video discs. [3] Biotechnology is the medical and industrial application of advanced scientific discoveries in genetics to the creation of new drugs, hormones and other therapeutic items for both agricultural and human use. [4] Encompasses advances in robotics, numerically—controlled machine tools, and similar products involving industrial automation that allow for greater flexibility to the manufacturing process and reduce the amount of human intervention. Includes robots, numerically controlled machine tools and semiconductor production and assembly machines. [5] Encompasses electronic products and components that involve the emitting and/or detection of light. Examples of products included are optical scanners, optical disc players, solar cells, photo-sensitive semiconductors and laser printers.

Source: U. S. Bureau of the Census, *U. S. Merchandise Trade*, series FT 900, December issues.

No. 1350. U.S. Exports and General Imports of Selected Commodities—Value, by Area: 1991

[**In millions of dollars.** Includes nonmonetary gold. Exports are f.a.s. (free alongside ship) transaction value basis; imports are customs value basis. N.e.s. = Not elsewhere specified]

SELECTED MAJOR COMMODITIES	Total [1]	WESTERN HEMISPHERE		WESTERN EUROPE				ASIA		
		Canada	Mexico	United Kingdom	Germany[1]	France	Italy	Japan	China: Taiwan	South Korea
Exports, total	**421,730**	**85,150**	**33,277**	**22,046**	**21,302**	**15,345**	**8,570**	**48,125**	**13,182**	**15,505**
Meat and meat preparations	3,653	587	508	6	8	49	14	1,593	21	209
Fish (except marine mammal) crustaceans, etc., preparations	3,181	410	36	139	61	99	37	1,879	44	158
Cereals and cereal preparations	10,927	367	686	71	47	64	125	2,165	746	399
Vegetables and fruit	5,908	2,278	155	266	300	139	82	1,050	166	81
Feeding stuff for animals not including unmilled cereal	3,281	404	164	74	58	104	83	430	52	20
Miscellaneous edible products and preparations	1,364	318	74	12	13	17	2	99	99	39
Tobacco and tobacco manufactures	6,028	18	4	48	264	21	68	1,579	152	119
Hides, skins, and furskins, raw	1,389	60	140	3	13	10	38	282	130	603
Oil seeds and oleaginous fruits	4,320	100	390	111	202	30	59	891	467	244
Cork and wood	5,131	690	227	95	134	45	203	2,490	140	280
Pulp and waste paper	3,627	239	290	144	224	188	331	702	206	345
Textile fibers & their wastes (excluding wool tops, etc)	3,704	169	113	46	122	11	164	533	132	386
Crude fertilizers & crude minerals [2]	1,433	251	95	39	71	26	51	326	46	76
Metalliferous ores and metal scrap	4,163	1,002	178	103	68	34	55	709	228	600
Crude animal and vegetable materials, n.e.s.	1,128	210	133	40	70	27	33	155	16	31
Coal, coke and briquettes	4,781	489	22	286	69	389	516	536	190	171
Petroleum, petroleum products, and related materials	6,770	673	744	58	50	241	261	537	233	497
Organic chemicals	11,044	1,140	708	368	489	208	226	1,179	1,028	594
Inorganic chemicals	4,141	510	260	134	239	67	44	1,139	94	201
Dyeing, tanning and coloring materials	1,662	489	114	90	53	28	17	113	58	68
Medicinal and pharmaceutical products	4,679	564	121	235	325	288	361	812	61	65
Essential oils, etc; toilet, polishing, preparations	2,430	534	120	145	90	64	39	284	72	71
Fertilizers [3]	2,994	202	52	7	27	56	13	166	3	75
Plastics in primary forms	7,560	1,279	608	235	222	74	63	519	360	312
Plastics in nonprimary forms	2,821	772	357	125	125	80	46	197	58	71
Chemical materials and products, n.e.s.	6,098	1,230	314	260	354	257	140	666	104	202
Rubber manufactures, n.e.s.	2,326	1,037	286	72	68	29	16	225	20	37
Cork and wood manufactures other than furniture	1,292	306	158	130	129	12	22	111	55	57
Paper, paperboard and articles	6,034	1,564	778	240	233	102	101	520	121	147
Textile yarn, fabrics, made-up articles, n.e.s.	5,610	1,410	547	307	196	99	134	266	67	124
Nonmetallic mineral manufactures, n.e.s.	4,720	1,215	246	167	120	84	55	447	94	103
Iron and steel	4,457	1,471	879	108	64	67	48	285	135	334
Nonferrous metals	5,822	1,285	426	294	136	120	58	1,778	425	210
Manufactures of metals, n.e.s.	6,700	2,360	1,109	326	295	129	116	395	90	182
Power generating machinery and equipment	17,368	4,175	1,082	1,200	851	2,354	226	881	351	869
Machinery specialized for particular industries	17,192	3,027	1,239	862	786	553	296	973	284	600
Metalworking machinery	2,805	448	244	169	217	98	64	243	91	181
General industrial machinery, equipment, parts	17,567	4,852	1,599	853	764	560	278	1,089	536	795
Office machines and automatic data processing machines	29,461	4,589	1,131	3,058	2,995	1,484	646	3,746	499	632
Telecommunications, sound recording, reproduction apparatus and equipment	10,896	1,763	1,643	581	433	230	288	1,086	432	420
Electrical machinery, apparatus, and appliances, n.e.s.	34,479	7,936	4,340	1,866	1,666	1,049	635	2,815	1,704	1,420
Road vehicles (incl. air-cushion vehicles)	33,133	17,648	3,650	394	1,596	345	106	1,344	838	361
Transport equipment, n.e.s.	37,188	1,870	754	3,167	2,966	2,196	1,025	3,278	1,150	1,457
Furniture, bedding, mattresses, etc.	2,172	941	536	72	58	36	7	95	11	14
Articles of apparel and clothing accessories	3,316	273	547	95	70	79	71	431	8	7
Professional scientific and control instruments and apparatus	14,062	1,990	1,028	982	1,154	834	489	1,821	335	519
Photo apparatus, equipment and optical goods n.e.s.; watch and clocks	4,247	647	220	527	232	390	101	656	67	37
Miscellaneous manufactured articles	21,212	4,459	1,335	1,710	1,644	854	323	2,499	439	542
Special transactions and commodities not classified by kind	3,737	1,264	187	138	105	43	13	213	94	145
Gold, nonmonetary (excluding ores and concentrates	3,337	411	80	608	61	328	5	81	55	8
Shipments under $10,000 and under $1,500 documented exports	9,854	1,493	1,423	690	556	415	204	621	181	140

See footnotes at end of table.

No. 1350. U.S. Exports and General Imports of Selected Commodities—Value, by Area: 1990—Continued

[In millions of dollars. See headnote, page 811]

SELECTED MAJOR COMMODITIES	Total [1]	WESTERN HEMISPHERE		WESTERN EUROPE				ASIA		
		Canada	Mexico	United Kingdom	Germany [1]	France	Italy	Japan	China: Taiwan	South Korea
Imports, total	**487,129**	**91,064**	**31,130**	**18,413**	**26,137**	**13,333**	**11,764**	**91,511**	**23,023**	**17,018**
Meat and meat preparations	2,908	603	2	(Z)	2	3	6	4	1	(Z)
Fish (except marine mammal) crustaceans, etc., preps	5,638	1,230	291	19	2	22	2	127	168	131
Vegetables and fruit	5,391	273	1,382	12	92	20	36	41	60	14
Coffee, tea, cocoa, spices manufactures thereof	3,347	167	363	24	88	10	16	3	7	1
Beverages	3,609	569	234	602	158	812	340	31	4	5
Cork and wood	3,057	2,715	143	1	1	3	2	(Z)	4	(Z)
Pulp and waste paper	2,163	1,870	1	(Z)	6	(Z)	-	(Z)	1	-
Metalliferous ores and metal scrap	3,561	942	202	61	37	32	1	18	6	1
Petroleum, petroleum products, and related materials	49,762	6,636	4,564	1,391	54	303	447	19	(Z)	35
Gas, natural and manufactured	3,497	3,074	108	7	4	4	5	(Z)	(Z)	-
Organic chemicals	8,133	757	248	917	1,139	449	385	979	52	74
Inorganic chemicals	3,296	1,024	182	197	429	260	53	185	9	4
Medicinal and pharmaceutical products	3,047	118	18	587	403	128	216	268	4	2
Chemical materials and products, n.e.s.	2,122	302	55	201	331	139	42	280	11	3
Rubber manufactures, n.e.s.	3,334	913	55	88	197	151	91	942	193	216
Cork and wood manufactures other than furniture	1,988	666	102	10	24	45	45	11	251	8
Paper, paperboard and articles	8,021	6,111	119	173	228	131	60	218	63	65
Textile yarn, fabrics, made-up articles, n.e.s.	6,981	500	324	269	327	184	499	615	500	554
Nonmetallic mineral manufactures, n.e.s.	9,678	672	435	537	411	313	578	701	362	102
Iron and steel	9,333	1,531	304	333	764	567	235	2,049	135	588
Nonferrous metals	8,430	3,636	330	343	417	136	30	352	26	5
Manufactures of metals, n.e.s.	8,834	1,270	569	260	548	257	223	1,724	1,585	503
Power generating machinery and equipment	14,195	2,324	1,131	1,698	1,507	2,200	227	3,123	89	100
Machinery specialized for particular industries	10,864	1,109	140	819	2,608	441	646	2,909	342	67
Metalworking machinery	3,605	232	7	173	718	61	134	1,562	144	26
General industrial machinery, equipment, parts	14,396	1,792	831	896	2,088	362	720	3,904	848	319
Office machines and automatic data processing machines	30,019	2,283	724	989	644	282	150	11,831	3,752	1,289
Telecommunications, sound recording, reproduction apparatus and equipment	23,446	1,000	2,944	246	180	146	67	9,394	1,202	1,745
Electrical machinery, apparatus and appliances, n.e.s.	35,067	3,626	4,838	973	2,055	569	262	9,352	2,228	2,432
Road vehicles (incl air-cushion vehicles)	70,576	25,577	4,273	867	5,425	712	528	28,344	804	1,223
Transport equipment, n.e.s.	8,197	2,428	33	1,075	169	1,441	502	633	43	84
Furniture, bedding, mattresses, etc.	4,936	1,066	651	100	175	56	444	208	1,106	50
Travel goods, handbags and similar containers	2,346	16	52	5	12	78	190	9	370	379
Articles of apparel and clothing accessories	26,202	315	910	177	127	179	857	138	2,658	2,762
Footwear	9,554	45	163	40	43	46	787	7	1,168	1,987
Professional scientific and control instruments and apparatus	6,733	577	643	624	1,012	274	75	1,796	194	83
Photo apparatus, equipment and optical goods, n.e.s.; watch and clocks	7,469	221	150	270	353	214	303	2,996	355	152
Miscellaneous manufactured articles, n.e.s.	24,846	1,340	911	1,346	898	703	1,500	4,018	3,025	1,535
Special transactions and commodities not classified by kind	11,718	3,761	1,083	1,092	757	522	171	820	118	133
Estimate of low valued import transactions	3,424	879	302	201	323	115	108	543	160	38

- Represents zero. Z Less than $500,000. [1] Effective October 3, 1990 East Germany ceased to exist as a sovereign state and became a part of West Germany. However, trade statistics for Germany comprise of statistics for West Germany and East Germany combined for the period shown. [2] Other than fertilizers covered in SITC division 56 (Fertilizers). [3] Other than crude fertilizers covered in SITC division 272.

Source: U.S. Bureau of the Census, *U.S. Merchandise Trade: Exports, General Imports, and Imports for Consumption*, series FT 927.

No. 1351. U.S. Exports, Imports, and Merchandise Trade Balance, by Country: 1989 to 1992

[In millions of dollars. Includes silver ore and bullion. Country totals include exports of special category commodities, if any. Data include nonmonetary gold and includes trade of Virgin Islands with foreign countries, see footnote 2 for exception. Minus sign (-) denotes an excess of imports over exports. See *Historical Statistics, Colonial Times to 1970*, series U 317-352, for selected countries]

COUNTRY	EXPORTS, DOMESTIC AND FOREIGN				GENERAL IMPORTS [1]				MERCHANDISE TRADE BALANCE			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Total [2]	**363,812**	**393,592**	**421,730**	**448,156**	**473,211**	**495,311**	**487,129**	**532,498**	**-109,399**	**-101,718**	**-65,399**	**-84,341**
Afghanistan	5	4	3	4	5	5	5	2	(Z)	-1	-2	2
Albania	5	10	18	36	3	2	3	5	3	8	15	31
Algeria	756	951	727	677	1,829	2,626	2,103	1,589	-1,074	-1,674	-1,376	-912
Andorra	50	40	17	16	(Z)	(Z)	(Z)	(Z)	50	40	17	16
Angola	97	152	186	158	1,929	1,904	1,775	2,303	-1,832	-1,752	-1,589	-2,145
Anguilla	17	15	11	11	(Z)	(Z)	1	(Z)	17	15	10	11
Antigua	74	69	74	68	12	4	4	5	62	65	70	63
Argentina	1,039	1,179	2,045	3,222	1,391	1,511	1,287	1,254	-352	-333	758	1,967
Armenia	(X)	(X)	(X)	25	(X)	(X)	(X)	1	(X)	(X)	(X)	23
Aruba	127	202	235	288	1	1	100	212	126	201	135	76
Australia	8,331	8,538	8,404	8,913	3,873	4,447	3,988	3,692	4,458	4,091	4,416	5,221
Austria	873	875	1,056	1,257	1,136	1,318	1,264	1,306	-263	-444	-208	-49
Azerbaijan	(X)	(X)	(X)	(Z)	(X)	(X)	(X)	(Z)	(X)	(X)	(X)	(Z)
Bahamas, The	772	800	721	713	462	509	470	585	310	291	252	127
Bahrain	489	721	500	489	80	81	87	61	409	640	413	428
Bangladesh	282	181	179	188	428	539	524	832	-147	-357	-345	-644
Barbados	180	161	166	128	46	31	31	31	134	130	135	97
Belgium	8,381	10,318	10,572	9,779	4,351	4,375	3,929	4,479	4,029	5,942	6,643	5,300
Belize	101	105	114	117	43	47	45	59	58	58	69	58
Benin	18	24	26	27	11	17	23	10	6	6	4	17
Bermuda	354	255	233	242	11	12	8	24	343	242	225	219
Bolivia	145	138	192	222	118	203	209	161	27	-65	-17	61
Bosnia-Hercegovina	(X)	(X)	(X)	5	(X)	88	(X)	10	(X)	(X)	(X)	-4
Botswana	30	19	31	47	17	14	13	12	13	6	18	34
Brazil	4,804	5,048	6,148	5,740	8,410	7,898	6,717	7,611	-3,606	-2,850	-569	-1,871
British Virgin Islands	49	60	45	44	1	2	2	3	48	58	43	41
Brunei	63	143	162	453	75	96	27	30	-12	47	136	424
Bulgaria	181	84	142	85	59	47	56	79	122	37	86	7
Burkina	10	15	24	13	-	1	1	(Z)	10	14	23	13
Burma	5	20	23	4	17	23	27	38	-12	-3	-4	-34
Byelarus	(X)	(X)	(X)	25	(X)	(X)	(X)	25	(X)	(X)	(X)	(Z)
Cameroon	35	47	45	57	426	147	127	84	-391	-100	-82	-27
Canada	78,809	83,674	85,150	90,562	87,953	91,380	91,064	98,497	-9,144	-7,707	-5,914	-7,935
Cayman Islands	204	183	117	267	48	21	18	11	155	162	99	256
Chad	35	8	14	5	(X)	(Z)	(Z)	(Z)	35	8	14	5
Chile	1,414	1,664	1,839	2,455	1,292	1,313	1,302	1,387	122	351	537	1,068
China: Mainland	5,755	4,806	6,278	7,470	11,990	15,237	18,969	25,729	-6,235	-10,431	-12,691	-18,260
China: Taiwan	11,335	11,491	13,182	15,205	24,313	22,666	23,023	24,601	-12,978	-11,175	-9,841	-9,397
Colombia	1,924	2,029	1,952	3,282	2,555	3,168	2,736	2,849	-631	-1,139	-784	433
Congo (Brazzaville)	12	90	43	60	504	414	410	510	-492	-324	-367	-450
Costa Rica	882	986	1,034	1,351	962	1,005	1,154	1,411	-81	-19	-120	-60
Croatia	(X)	(X)	(X)	91	(X)	(X)	(X)	43	(X)	(X)	(X)	48
Cyprus	109	129	119	166	15	19	12	11	94	111	107	155
Czechoslovakia	53	91	123	413	85	87	145	242	-32	4	-22	171
Denmark	1,051	1,311	1,574	1,477	1,535	1,678	1,661	1,668	-484	-367	-87	-192

See footnotes at end of table.

No. 1351. U.S. Exports, Imports, and Merchandise Trade Balance, by Country: 1989 to 1992—Continued

[See headnote, page 813]

COUNTRY	EXPORTS, DOMESTIC AND FOREIGN				GENERAL IMPORTS [1]				MERCHANDISE TRADE BALANCE			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Djibouti	3	7	10	11	(Z)	(Z)	(Z)	(X)	3	7	10	11
Dominica	33	31	42	34	8	9	5	5	26	22	37	29
Dominican Republic	1,645	1,656	1,743	2,098	1,646	1,752	2,008	2,372	−1	−96	−265	−274
East Germany [3]	94	62	(X)	(X)	139	85	(X)	(X)	−45	−23	-	-
Ecuador	643	678	948	999	1,474	1,376	1,327	1,343	−832	−697	−379	−344
Egypt	2,612	2,249	2,720	3,087	227	398	206	435	2,385	1,851	2,514	2,653
El Salvador	520	554	534	741	245	238	303	384	275	316	231	357
Equatorial Guinea	(Z)	(Z)	13	11	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	13	11
Estonia	(X)	(X)	(X)	59	(X)	(X)	(X)	13	(X)	(X)	(X)	46
Ethiopia	67	157	210	250	70	40	15	9	−3	117	196	241
Federated States of Micronesia	27	25	46	32	1	6	6	13	26	19	41	19
Fiji	22	25	18	59	16	34	43	73	6	−9	−25	−14
Finland	969	1,126	952	787	1,370	1,262	1,085	1,186	−402	−136	−133	−399
France	11,579	13,665	15,346	14,575	13,014	13,153	13,333	14,811	−1,435	511	2,013	−236
French Guiana	270	271	150	82	5	3	1	3	265	269	150	78
French Polynesia	70	70	80	82	9	11	13	11	62	60	68	71
Gabon	46	49	85	55	437	701	712	928	−390	−652	−627	−873
Gambia	10	9	11	10	2	2	2	(Z)	9	7	9	10
Georgia	(X)	(X)	(X)	16	(X)	(X)	(X)	7	(X)	(X)	(X)	9
Germany [3]	16,956	18,760	21,302	21,236	24,971	28,162	26,137	28,829	−8,015	−9,402	−4,835	−7,593
Ghana	121	140	142	124	127	169	152	96	−7	−29	−10	27
Gibraltar	2	32	10	11	1	1	1	7	1	31	9	4
Greece	697	763	1,039	897	473	509	429	370	224	255	610	527
Greenland	4	6	4	3	2	1	4	12	3	5	-	−8
Grenada	28	35	31	24	8	8	8	8	20	27	23	16
Guadeloupe	34	53	83	60	2	1	2	1	33	52	81	59
Guatemala	662	764	945	1,204	609	794	899	1,075	53	−31	46	128
Guinea	40	43	88	61	132	141	136	102	−92	−98	−50	−41
Guyana	78	76	86	118	56	53	83	102	22	23	3	17
Haiti	472	477	395	217	374	343	284	107	97	134	111	110
Honduras	515	564	625	808	461	491	557	783	54	73	68	26
Hong Kong	6,291	6,817	8,137	9,069	9,722	9,622	9,279	9,799	−3,431	−2,805	−1,142	−731
Hungary	122	156	256	295	328	348	367	349	−207	−191	−111	−54
Iceland	179	232	156	119	208	163	209	166	−29	69	−53	−47
India	2,458	2,486	1,999	1,914	3,315	3,197	3,193	3,781	−857	−711	−1,194	−1,866
Indonesia	1,247	1,897	1,892	2,778	3,529	3,341	3,241	4,527	−2,282	−1,444	−1,349	−1,749
Iran	55	163	528	748	9	7	231	1	47	156	297	747
Iraq	1,169	732	(Z)	1	2,415	3,008	6	(X)	−1,246	−2,276	−6	1
Ireland	2,483	2,540	2,681	2,853	1,566	1,755	1,948	2,264	917	784	733	589
Israel	2,827	3,203	3,911	4,074	1,576	3,313	3,484	3,812	1,251	−110	427	262
Italy	7,215	7,992	8,570	8,698	11,933	12,751	11,764	12,300	−4,718	−4,760	−3,194	−3,602
Ivory Coast	79	79	81	87	234	200	223	188	−155	−121	−142	−100
Jamaica	1,006	943	961	939	509	569	576	599	497	374	385	340
Japan	44,494	48,580	48,125	47,764	93,553	89,684	91,511	97,181	−49,059	−41,105	−43,386	−49,418
Jordan	380	309	219	250	8	11	6	18	372	298	213	232
Kazakhstan	(X)	(X)	(X)	15	(X)	(X)	(X)	21	(X)	(X)	(X)	−6
Kenya	133	116	91	124	68	58	69	73	65	58	22	51
Kiribati	16	19	27	35	1	(Z)	1	1	14	19	26	35

COUNTRY	EXPORTS, DOMESTIC AND FOREIGN				GENERAL IMPORTS [1]				MERCHANDISE TRADE BALANCE			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Kuwait	853	403	1,228	1,327	973	569	36	281	-120	-166	1,192	1,046
Kyrgyzstan	(X)	(X)	(X)	2	(X)	(X)	(X)	1	(X)	(X)	(X)	1
Laos	(Z)	1	1	1	1	(Z)	2	6	-1	1	-1	-5
Latvia	(X)	(X)	(X)	5	(X)	(X)	(X)	10	(X)	(X)	(X)	-5
Lebanon	94	98	165	311	30	24	27	28	63	74	138	283
Lesotho	4	3	4	3	19	25	27	53	-15	-22	-24	-50
Liberia	98	44	50	31	106	49	9	12	-8	-5	41	18
Libya	(Z)	(Z)	(Z)	(X)	(X)	(Z)	(X)	(X)	-	-	-	-
Liechtenstein	10	12	10	12	9	15	21	36	1	-3	-11	-24
Lithuania	(X)	(X)	(X)	44	(X)	(X)	(X)	5	(X)	(X)	(X)	39
Luxembourg	142	134	217	272	218	210	188	227	-76	-76	29	45
Macao	11	8	10	19	654	736	581	721	-643	-728	-571	-702
Macedonia	(X)	(X)	(X)	4	(X)	(X)	(X)	46	(X)	(X)	(X)	-42
Madagascar	7	11	14	6	38	42	47	54	-30	-30	-33	-47
Malawi	14	14	55	14	39	49	73	59	-24	-36	-18	-45
Malaysia	2,870	3,425	3,900	4,396	4,744	5,272	6,102	8,294	-1,874	-1,847	-2,202	-3,898
Mali	11	9	18	11	7	3	2	2	3	6	16	10
Malta	48	45	57	58	60	40	65	91	-12	5	-8	-33
Marshall Islands	33	27	38	34	3	3	4	8	30	25	35	26
Martinique	25	34	36	33	10	1	1	1	15	33	35	31
Mauritania	13	15	22	59	10	24	11	9	2	-9	11	51
Mauritius	12	13	15	22	159	159	132	137	-147	-146	-117	-114
Mexico	24,982	28,279	33,277	40,598	27,162	30,157	31,130	35,189	-2,180	-1,878	2,147	5,408
Moldova	(X)	(X)	(X)	9	(X)	(X)	(X)	(Z)	(X)	(X)	(X)	9
Monaco	4	10	7	6	14	13	14	13	-9	-3	-7	-6
Montserrat	11	11	8	13	2	1	2	3	8	10	6	11
Morocco	394	495	403	493	98	109	154	178	296	386	249	315
Mozambique	41	50	101	150	20	29	23	19	21	21	78	130
Namibia	13	44	33	34	15	33	35	23	-2	11	-2	11
Nepal	9	10	6	5	47	51	55	73	-38	-41	-49	-68
Netherlands	11,364	13,022	13,511	13,740	4,810	4,952	4,811	5,287	6,554	8,071	8,700	8,453
Netherlands Antilles	412	543	627	476	383	429	647	646	29	114	-20	-170
New Caledonia	65	34	44	36	54	27	20	15	11	7	24	21
New Zealand	1,117	1,135	1,006	1,307	1,209	1,197	1,209	1,219	-91	-62	-203	88
Nicaragua	2	68	150	188	(Z)	15	60	69	2	52	91	119
Niger	9	12	10	13	2	46	5	3	7	-34	5	10
Nigeria	490	553	831	1,001	5,284	5,982	5,168	5,074	-4,794	-5,429	-4,337	-4,073
Norway	1,037	1,281	1,489	1,280	1,991	1,830	1,624	1,976	-955	-549	-135	-696
Oman	170	163	202	257	117	292	115	186	53	-129	87	71
Pakistan	1,134	1,143	950	877	523	610	663	865	612	533	288	12
Palau	10	9	14	10	(Z)	(Z)	(Z)	(Z)	10	9	14	10
Panama	724	869	978	1,100	268	234	269	254	455	635	709	847
Papua New Guinea	121	54	96	72	29	22	34	64	92	32	62	8
Paraguay	168	307	374	415	45	51	43	35	123	256	331	380
Peru	695	772	840	1,002	814	802	776	739	-119	-30	64	263
Philippines	2,202	2,471	2,265	2,753	3,068	3,384	3,471	4,358	-866	-913	-1,206	-1,605
Poland	414	406	459	637	387	408	357	374	26	-2	102	262
Portugal	925	922	792	1,024	800	832	695	664	125	91	97	360
Qatar	100	115	147	189	50	53	30	70	50	62	117	119

See footnotes at end of table.

No. 1351. U.S. Exports, Imports, and Merchandise Trade Balance, by Country: 1989 to 1992—Continued

[See headnote, page 813]

COUNTRY	EXPORTS, DOMESTIC AND FOREIGN				GENERAL IMPORTS [1]				MERCHANDISE TRADE BALANCE			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Romania	155	369	209	248	354	231	69	87	-199	138	140	161
Russia	(X)	(X)	(X)	2,098	(X)	(X)	(X)	480	(X)	(X)	(X)	1,618
Saudi Arabia	3,574	4,049	6,557	7,163	7,157	10,021	10,900	10,367	-3,583	-5,971	-4,343	-3,204
Senegal	69	52	76	80	41	6	10	10	27	46	66	70
Sierra Leone	25	27	25	28	53	46	46	61	-28	-19	-23	-33
Singapore	7,345	8,023	8,804	9,624	9,003	9,800	9,957	11,318	-1,658	-1,778	-1,153	-1,694
Somalia	21	12	7	21	(Z)	(Z)	3	2	21	12	4	18
South Africa	1,659	1,732	2,113	2,425	1,531	1,698	1,728	1,723	128	34	385	702
South Korea	13,459	14,404	15,505	14,630	19,737	18,485	17,019	16,691	-6,278	-4,081	-1,514	-2,061
Spain	4,796	5,213	5,474	5,487	3,317	3,311	2,848	3,001	1,479	1,901	2,626	2,487
Sri Lanka	143	137	121	178	449	538	604	789	-306	-401	-483	-612
Sudan	81	42	92	53	20	16	16	11	61	26	76	42
Suriname	140	156	134	139	74	50	52	46	66	106	82	93
Sweden	3,139	3,405	3,287	2,844	4,892	4,937	4,525	4,716	-1,753	-1,533	-1,238	-1,872
Switzerland	4,911	4,943	5,557	4,536	4,714	5,587	5,576	5,643	197	-645	-19	-1,107
Syria	91	150	209	168	98	52	25	42	-7	98	184	126
Tajikistan	(X)	(X)	(X)	9	(X)	(X)	(X)	2	(X)	(X)	(X)	7
Tanzania	29	48	35	34	53	16	15	11	-24	33	20	23
Thailand	2,288	2,995	3,753	3,982	4,380	5,289	6,122	7,528	-2,091	-2,293	-2,369	-3,546
Togo	28	31	24	20	3	4	2	6	25	27	22	13
Trinidad and Tobago	563	428	468	447	768	1,020	866	862	-205	-592	-398	-414
Tunisia	160	177	172	233	55	40	25	48	105	137	147	184
Turkey	2,003	2,243	2,468	2,730	1,372	1,183	1,006	1,109	632	1,061	1,462	1,621
Turkmenistan	(X)	(X)	(X)	35	(X)	(X)	(X)	1	(X)	(X)	(X)	34
Turks and Caicos Islands	46	39	40	38	3	4	4	6	43	36	36	32
Uganda	23	26	13	15	41	15	18	12	-17	11	-5	3
Ukraine	(X)	(X)	(X)	305	(X)	(X)	(X)	89	(X)	(X)	(X)	216
United Arab Emirates	1,240	1,004	1,455	1,552	684	889	713	812	556	114	742	740
United Kingdom	20,837	23,490	22,046	22,808	18,319	20,188	18,413	20,152	2,518	3,302	3,633	2,657
Uruguay	134	144	216	231	219	206	237	266	-85	-62	-21	-35
U.S.S.R.	4,284	3,087	3,579	1,036	709	1,059	802	189	3,574	2,028	2,777	847
Uzbekistan	(X)	(X)	(X)	51	(X)	(X)	(X)	(Z)	(X)	(X)	(X)	51
Venezuela	3,025	3,108	4,656	5,438	6,771	9,480	8,179	8,168	-3,746	-6,371	-3,523	-2,730
Vietnam	11	7	4	5	(X)	(X)	(X)	(Z)	11	7	4	5
Western Samoa	4	5	7	73	3	1	1	1	(Z)	4	6	72
Yemen (Sana & Aden)	80	110	192	321	260	391	152	41	-179	-281	40	281
Yugoslavia	499	565	371	6	799	776	674	225	-300	-211	-303	-219
Yugoslavia	(X)	(X)	(X)	169	(X)	(X)	(X)	41	-	-	-	128
Zaire	122	138	62	33	330	325	294	250	-208	-187	-232	-218
Zambia	50	80	24	68	24	29	42	70	26	52	-18	-2
Zimbabwe	121	135	53	143	127	119	90	107	-6	16	-37	37

- Represents zero. Z Less than $500,000. X Not applicable. [1] Imports are on a customs value basis. Exports are f.a.s. value. [2] Includes revisions not carried to area values; therefore, area values will not add to total. [3] Effective October 3, 1990, East Germany ceased to exist as a sovereign state and became a part of West Germany. Accordingly, trade statistics for East Germany reflect trade for January through September 1990. Trade statistics for 1990 for former West Germany reflect this unification beginning with October 1990. Data for Germany reflect the consolidation of the two countries for 1991.

Source: U.S. Bureau of the Census, *U.S. Merchandise Trade*, series FT 900, monthly.

No. 1352. U.S. Exports and General Imports, by Selected Commodity Groups: 1989 to 1992

[In millions of dollars. N.e.s. = Not elsewhere specified]

COMMODITY GROUP	EXPORTS [1]				GENERAL IMPORTS [2]			
	1989	1990	1991	1992	1989	1990	1991	1992
Total	**363,812**	**393,592**	**421,730**	**448,156**	**473,211**	**495,311**	**487,129**	**532,498**
Agricultural commodities	**41,319**	**38,723**	**38,510**	**42,078**	**22,036**	**22,343**	**22,140**	**23,433**
Animal feeds	3,081	2,868	3,192	3,521	279	284	312	337
Bulbs	427	109	113	112	343	162	178	201
Cereal flour	695	686	813	925	558	569	641	726
Cocoa	22	38	23	31	732	783	823	774
Coffee	13	12	10	18	2,274	1,766	1,738	1,566
Corn	6,734	6,195	5,146	4,944	551	23	39	69
Cotton, raw and linters	2,268	2,799	2,514	2,010	10	20	16	11
Dairy products; eggs	447	372	455	709	405	501	452	507
Furskins, raw	173	144	107	95	116	78	57	61
Grains, unmilled	1,045	811	701	892	163	110	112	122
Hides and skins	1,577	1,612	1,276	1,260	98	94	110	124
Live animals	532	514	688	608	870	1,185	1,172	1,434
Meat and preparations	2,964	3,189	3,630	4,205	2,560	2,958	2,908	2,723
Oils/fats, animal	38	425	447	521	-	21	29	31
Oils/fats, vegetable	740	665	596	827	656	716	735	958
Plants	93	103	99	135	72	99	105	103
Rice	981	798	754	725	62	72	80	92
Seeds	224	246	274	298	126	119	132	153
Soybeans	4,011	3,597	3,995	4,416	24	15	27	16
Sugar	3	8	12	6	605	848	713	668
Tobacco, unmanufactured	1,340	1,445	1,430	1,651	668	680	989	949
Vegetables and fruit	4,530	5,015	5,342	5,719	4,909	5,795	5,391	5,698
Wheat	5,907	3,887	3,350	4,496	58	80	66	190
Other agricultural	3,475	3,184	3,546	3,954	5,877	5,365	5,313	5,922
Manufactured goods	**272,166**	**298,236**	**325,978**	**347,512**	**379,425**	**388,820**	**392,433**	**434,256**
ADP equipment, office machinery	23,992	24,735	25,979	26,988	25,715	26,862	30,019	36,393
Airplanes	14,433	19,641	24,335	26,413	2,948	2,733	3,347	3,918
Airplane parts	8,792	9,815	10,284	9,329	2,929	3,556	4,046	3,397
Aluminum	2,988	2,857	3,128	2,666	3,144	2,843	2,409	2,538
Artwork/antiques	1,653	2,282	1,239	1,076	2,172	2,340	1,979	2,087
Basketware, etc	966	1,097	1,290	1,521	1,801	1,837	1,911	2,188
Chemicals, cosmetics	1,554	1,964	2,361	2,631	1,158	1,323	1,415	1,712
Chemicals, dyeing	1,249	1,591	1,649	1,867	1,131	1,287	1,416	1,626
Chemicals, fertilizers	2,708	2,578	2,977	2,372	1,003	921	918	952
Chemicals, inorganic	4,319	3,823	4,083	4,119	3,244	3,204	3,297	3,300
Chemicals, medicinal	3,693	4,103	4,609	5,357	2,088	2,491	3,047	3,812
Chemicals, organic	10,873	10,427	10,898	10,993	7,004	7,427	8,133	9,366
Chemicals, plastics	8,559	9,074	10,316	10,253	3,309	3,744	3,784	4,293
Chemicals, n.e.s.	5,107	5,490	6,019	6,364	1,777	2,022	2,122	2,623
Clothing	2,291	2,472	3,215	4,093	24,537	25,622	26,202	31,242
Copper	946	1,213	1,328	1,177	2,140	1,774	1,573	1,635
Electrical machinery	25,409	28,406	30,050	32,039	32,373	33,564	35,067	39,729
Footwear	532	477	543	603	8,394	9,564	9,554	10,165
Furniture and parts	1,295	1,605	2,120	2,549	4,908	5,006	4,936	5,505
Gem diamonds	1,098	320	209	368	4,347	3,974	4,002	4,148
General industrial machinery	15,034	15,828	17,153	18,436	14,487	14,461	14,396	15,522
Glass	979	1,087	1,145	1,194	789	760	770	850
Glassware	343	401	449	496	889	939	937	1,016
Gold, nonmonetary	2,545	2,970	3,279	4,060	1,499	1,081	1,922	1,900
Iron and steel mill products	3,559	3,270	4,211	3,595	9,393	8,805	8,301	8,321
Lighting, plumbing	624	680	877	978	1,160	1,233	1,246	1,521
Metal manufactures, n.e.s.	4,494	4,783	5,189	5,491	6,372	6,441	6,372	6,730
Metalworking machinery	2,738	2,759	2,709	3,033	3,868	3,677	3,605	3,170
Motorcycles, bicycles	729	935	1,308	1,437	1,553	1,438	1,636	1,915
Nickel	244	228	219	196	1,522	1,102	1,061	797
Optical goods	544	639	713	766	1,371	1,470	1,484	1,645
Paper and paperboard	4,585	5,004	5,965	6,338	8,492	8,491	8,021	7,999
Photographic equipment	2,535	2,773	2,926	2,948	3,436	3,341	3,641	3,849
Plastic articles, n.e.s.	1,700	1,945	2,240	2,773	2,999	3,138	3,114	3,571
Platinum	227	224	311	294	1,365	1,856	1,659	1,426
Pottery	70	71	87	103	1,244	1,222	1,242	1,403
Power generating machinery	15,349	15,796	16,960	17,950	14,257	14,552	14,195	15,910
Printed materials	3,002	3,164	3,589	3,801	1,618	1,669	1,702	1,876
Records/magnetic media	2,957	3,877	4,267	4,840	2,447	2,531	2,788	3,111
Rubber articles, n.e.s.	671	505	579	616	913	650	705	879
Rubber tires and tubes	819	1,148	1,274	1,408	2,384	2,591	2,309	2,512

See footnotes at end of table.

No. 1352. U.S. Exports and General Imports, by Selected SITC Commodity Groups: 1989 to 1992—Continued

[In millions of dollars]

COMMODITY GROUP	EXPORTS [1]				GENERAL IMPORTS [2]			
	1989	1990	1991	1992	1989	1990	1991	1992
Manufactured goods—Continued								
Scientific instruments	11,489	12,121	13,499	14,370	5,849	6,206	6,733	7,604
Ships, boats	1,050	1,277	1,155	1,422	579	329	249	320
Silver and bullion	68	163	237	209	577	451	363	449
Spacecraft	554	598	257	270	80	-	-	92
Specialized industrial machinery	14,352	15,277	16,686	16,680	12,839	12,990	10,864	11,826
Telecommunications equipment	8,132	9,139	9,999	11,205	23,234	22,230	23,446	25,819
Textile yarn, fabric	4,302	4,947	5,482	5,756	6,087	6,424	6,981	7,840
Toys/games/sporting goods	1,631	1,819	2,087	2,436	8,396	9,080	8,821	10,747
Travel goods	114	133	159	194	2,128	2,223	2,346	2,510
Vehicles/new cars, Canada	6,824	6,232	6,195	5,928	12,871	13,348	13,518	13,890
Vehicles/new cars, Japan	327	531	496	694	19,912	19,220	20,422	20,538
Vehicles/new cars, Other	2,274	2,465	3,070	5,091	11,371	12,542	10,813	11,564
Vehicles/trucks	2,843	3,084	3,879	3,678	8,807	8,580	8,293	9,784
Vehicles/chassis/bodies	207	207	241	311	1,095	518	352	353
Vehicles/parts	13,225	14,463	14,371	16,552	15,248	15,230	14,067	15,841
Watches/clocks/parts	177	209	225	207	908	2,247	2,285	2,321
Wood manufactures	1,065	1,222	1,251	1,387	2,029	2,034	1,907	2,409
Zinc	49	47	40	38	1,199	1,017	652	855
Other manufactured goods	17,281	22,246	24,570	27,559	28,043	30,605	30,042	32,948
Mineral fuel	**10,124**	**12,233**	**12,061**	**11,122**	**52,779**	**64,661**	**54,056**	**55,028**
Coal	4,087	4,636	4,776	4,325	84	288	310	419
Crude oil	205	137	33	27	35,529	43,785	36,902	38,544
Petroleum preparations	2,783	4,072	4,399	3,990	11,650	16,094	12,312	11,282
Liquified propane/butane	110	161	253	258	480	808	859	706
Natural gas	216	203	308	351	1,850	2,328	2,482	2,808
Electricity	189	493	44	64	521	463	487	590
Other mineral fuels	2,533	2,531	2,268	2,108	2,664	895	704	680
Selected commodities:								
Fish and preparations	2,396	2,801	3,063	3,377	5,389	5,192	5,638	5,657
Cork, wood, lumber	5,204	5,236	5,114	5,298	3,499	3,123	3,057	3,970
Pulp and waste paper	4,395	4,043	3,600	3,850	3,050	2,867	2,163	2,129
Metal ores; scrap	5,521	4,949	4,039	3,421	3,866	3,990	3,561	3,323
Crude fertilizers	1,359	1,266	1,385	1,385	1,146	1,129	982	914
Cigarettes	3,362	4,757	4,238	4,192	49	53	130	265
Alcoholic bev. distilled	222	254	279	343	1,588	1,725	1,595	1,637
All other	1,458	2,576	2,822	2,798	383	1,408	1,375	1,541
Re-exports	16,285	18,517	20,621	22,500	(X)	(X)	(X)	(X)
Agricultural commodities	885	848	857	892	(X)	(X)	(X)	(X)
Manufactured goods	14,851	17,119	19,153	21,052	(X)	(X)	(X)	(X)
Mineral fuels	127	151	206	78	(X)	(X)	(X)	(X)
Other, re-exports	549	399	405	479	(X)	(X)	(X)	(X)
Timing adjustment	(X)	(X)	(X)	279	(X)	(X)	(X)	146

- Represents zero. X Not applicable. [1] F.A.S. basis. [2] Customs value basis.
Source: U.S. Bureau of the Census, *U.S. Merchandise Trade*, series FT 900, Final Reports, and December 1992 issue.

No. 1353. Imports for Consumption—Values and Duties: 1970 to 1992

[Imports are on customs value basis. Beginning 1970, includes silver ores and bullion, and beginning 1980, includes trade of Virgin Islands with foreign countries. For basis of dollar values and for area coverage, see text, section 29. See also *Historical Statistics, Colonial Times to 1970*, series U 207-212]

YEAR	VALUES				Duties calculated [1] (mil. dol.)	RATIO OF DUTIES TO VALUES		Duties per capita [2] (dollar)
	Total (mil. dol.)	Free (mil. dol.)	Dutiable (mil. dol.)	Percent free		Total imports (percent)	Dutiable imports (percent)	
1970	39,756	13,870	25,886	35	2,584	6.5	10.0	12.60
1975	96,516	31,030	65,486	32	3,780	3.9	5.8	17.50
1976	121,121	37,190	83,931	31	4,675	3.9	5.6	21.44
1977	147,075	43,633	103,442	30	5,485	3.7	5.3	24.91
1978	[3]172,912	51,827	121,125	30	7,162	4.1	5.9	32.17
1979	[3]205,850	103,278	102,645	50	7,202	3.5	7.0	31.99
1980	[3]244,007	106,992	132,951	45	7,535	3.1	5.7	33.09
1981	259,012	76,338	182,674	29	8,893	3.4	4.9	38.67
1982	242,340	75,856	166,484	31	8,688	3.6	5.2	37.40
1983	256,679	83,397	173,283	32	9,430	3.7	5.4	40.21
1984	322,989	102,977	220,012	32	12,042	3.7	5.5	50.90
1985	343,553	106,035	237,518	31	13,067	3.8	5.5	54.73
1986	368,657	121,742	246,915	33	13,312	3.6	5.4	55.10
1987	402,066	132,152	269,914	33	13,923	3.5	5.2	57.08
1988	437,140	151,693	285,447	35	15,054	3.4	5.3	61.12
1989	468,012	156,365	311,647	33	16,096	3.4	5.2	64.70
1990	490,554	161,108	329,446	33	16,339	3.3	5.0	65.38
1991	483,028	167,641	315,386	35	16,197	3.4	5.1	64.10
1992	525,091	194,583	330,508	37	17,164	3.3	5.2	67.12

[1] Customs duties (including import excise taxes) calculated on the basis of reports of quantity and value of imports of merchandise entered directly for consumption or withdrawn from bonded customs warehouses. [2] Based on estimated population including Armed Forces abroad as of July 1. [3] Total includes revisions not carried to free and dutiable values.
Source: U.S. Bureau of the Census, 1970-1988, *Highlights of U.S. Export and Import Trade*, series FT 990, monthly; beginning 1989, *U.S. Merchandise Trade: Selected Highlights*, series FT 920, and unpublished data.

No. 1354. Domestic Exports and Imports for Consumption of Merchandise, by Selected SIC-Based Product Category: 1985 to 1992

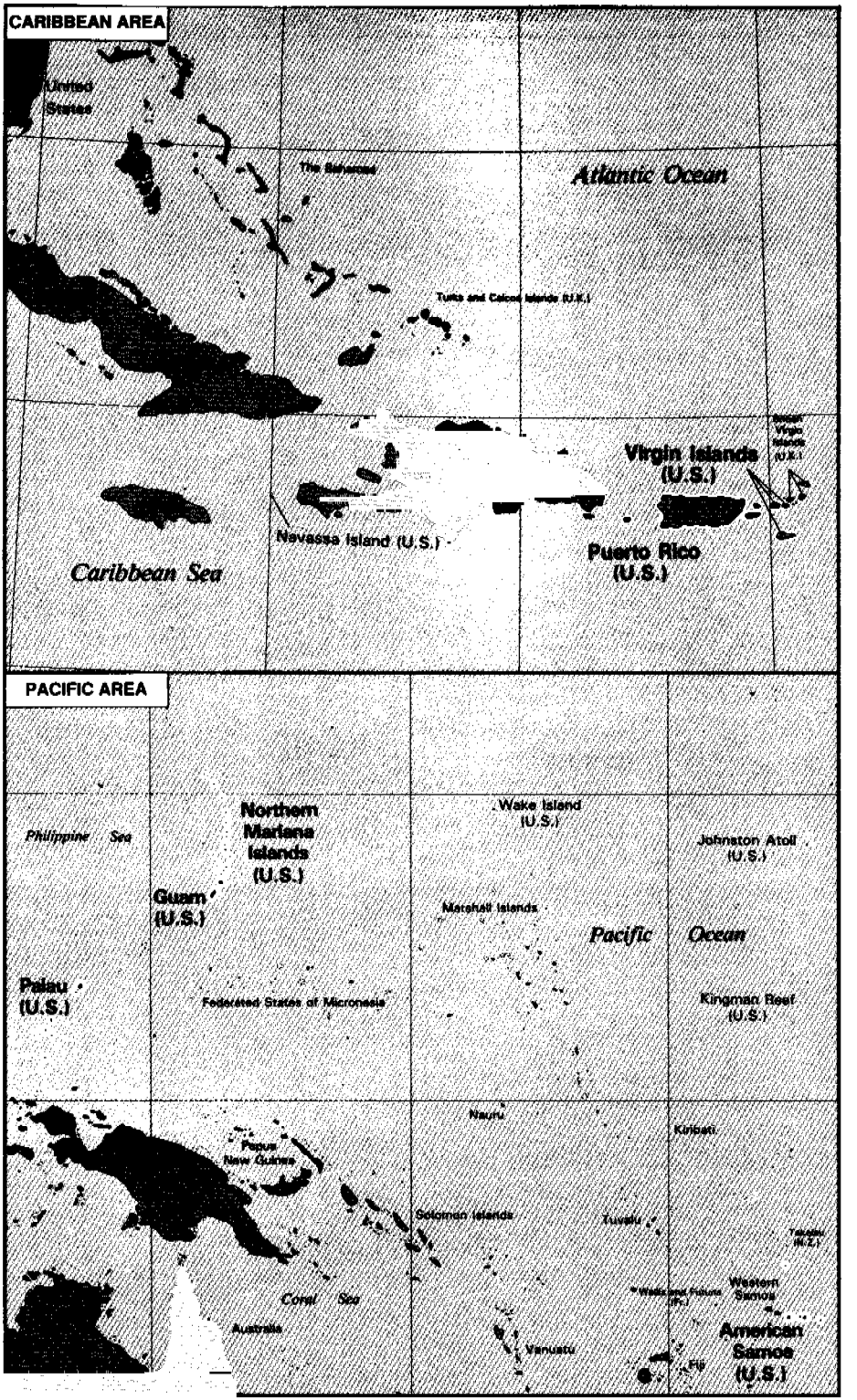
[In millions of dollars. Includes nonmonetary gold]

SIC [1] code	SIC-BASED PRODUCT CATEGORY	1985	1987	1988	1989	1990	1991	1992
(X)	**Domestic exports, total [2]**	**212,961**	**243,859**	**310,346**	**349,433**	**374,537**	**400,842**	**425,377**
(X)	Agricultural, forestry and fishery products	20,074	17,718	24,464	27,198	26,225	25,052	26,785
01	Agricultural products	19,199	16,678	21,508	24,142	22,597	21,075	22,633
02	Livestock and livestock products	735	855	1,014	821	829	970	871
08	Forestry products	122	155	266	270	281	306	324
09	Fish, fresh or chilled; and other marine products [3]	18	30	1,676	1,965	2,518	2,701	2,959
(X)	Mineral commodities	6,394	5,058	6,559	7,030	7,335	7,442	7,210
10	Metallic ores and concentrates	686	597	883	1,247	1,137	1,014	1,084
11,12	Bituminous, lignite and anthracite coal	4,465	3,368	4,014	4,287	4,513	4,623	4,241
13	Crude petroleum and natural gas	476	271	485	490	638	675	737
14	Nonmetallic minerals, fuels	767	822	1,177	1,006	1,047	1,130	1,148
(X)	Manufactured commodities	175,752	208,438	261,755	290,536	330,403	359,635	383,082
20	Food and kindred products	10,055	12,320	14,788	15,205	16,160	17,492	19,761
21	Tobacco manufactures	1,268	2,310	2,901	3,632	5,040	4,574	4,509
22	Textile mill products	1,462	1,891	2,415	2,794	3,635	4,108	4,473
23	Apparel and related products	1,019	1,518	1,824	2,349	2,848	3,679	4,599
24	Lumber and related products	2,668	3,961	5,326	6,050	6,523	6,477	6,802
25	Furniture and fixtures	483	550	841	1,011	1,589	2,086	2,518
26	Paper and allied products	3,886	5,676	7,197	8,126	8,631	9,214	9,969
27	Printing and publishing	1,250	1,525	1,996	2,598	3,150	3,590	3,808
28	Chemicals and allied products	21,797	26,090	31,722	35,825	37,806	41,483	41,953
29	Petroleum and coal products	5,433	4,479	3,926	5,019	6,794	7,026	6,403
30	Rubber and misc. plastics products	2,765	3,710	4,412	5,010	6,398	7,049	7,872
31	Leather and leather products	478	688	953	1,131	1,388	1,413	1,541
32	Stone, clay, and glass products	1,792	2,045	2,272	2,638	3,295	3,533	3,855
33	Primary metal products	4,747	5,806	12,362	12,110	13,116	15,243	15,105
34	Fabricated metal products	5,765	6,185	8,318	9,117	11,138	11,962	13,265
35	Machinery, except electrical	37,478	41,054	51,803	55,524	61,229	65,300	68,554
36	Electric and electronic machinery	18,908	24,359	27,033	32,718	39,807	42,330	45,992
37	Transportation equipment	36,024	42,371	49,768	56,875	68,113	76,172	82,862
38	Instruments and related products	8,623	10,191	17,160	17,327	19,524	21,699	22,815
39	Misc. manufactured commodities	1,773	2,719	4,443	4,553	4,296	4,621	5,446
(X)	**Imports for consumption, total [2]**	**343,553**	**402,066**	**437,140**	**468,012**	**490,554**	**483,028**	**525,091**
(X)	Agricultural, forestry and fishery products	12,805	14,402	12,759	13,251	12,750	13,148	14,216
01	Agricultural products	7,483	7,444	5,786	6,109	5,925	6,107	6,716
02	Livestock and livestock products	933	999	1,235	1,290	1,453	1,501	1,873
08	Forestry products	830	933	1,326	1,235	1,015	978	1,088
09	Fish, fresh or chilled; and other marine products [3]	3,559	5,026	4,412	4,617	4,357	4,562	4,540
(X)	Mineral commodities	39,011	33,615	31,540	41,264	51,391	44,581	44,823
10	Metallic ores and concentrates	1,265	1,130	1,126	1,425	1,500	1,244	1,167
11,12	Bituminous, lignite and anthracite coal	70	56	65	97	93	112	127
13	Crude petroleum and natural gas	35,872	30,843	29,573	38,842	48,917	42,415	42,796
14	Nonmetallic minerals, exc. fuels	1,804	1,586	776	900	881	810	734
(X)	Manufactured commodities	280,089	341,141	379,172	396,903	407,043	406,550	445,127
20	Food and kindred products	12,521	13,180	15,043	15,122	16,564	16,298	17,445
21	Tobacco manufactures	78	90	86	88	94	199	285
22	Textile mill products	3,616	4,697	5,506	7,294	6,807	7,132	7,808
23	Apparel and related products	15,710	21,503	20,890	22,841	24,644	25,497	30,533
24	Lumber and related products	5,105	5,959	5,720	5,848	5,446	5,229	6,700
25	Furniture and fixtures	3,220	4,575	4,796	5,148	5,235	5,130	5,601
26	Paper and allied products	7,493	9,461	11,001	11,880	11,669	10,431	10,382
27	Printing and publishing	1,200	1,583	1,776	1,807	1,849	1,878	2,046
28	Chemicals and allied products	12,790	14,400	18,602	20,118	21,611	22,999	25,849
29	Petroleum and coal products	18,282	13,123	11,027	11,979	14,472	11,097	10,410
30	Rubber and misc. plastics products	4,721	6,331	9,590	9,488	9,731	9,855	11,287
31	Leather and leather products	7,724	9,930	9,578	9,837	10,944	10,714	11,342
32	Stone, clay, and glass products	4,296	5,560	5,921	5,775	5,845	5,558	5,951
33	Primary metal products	20,439	19,254	25,075	25,563	23,232	22,262	22,891
34	Fabricated metal products	7,754	9,562	11,215	11,568	11,608	11,396	12,436
35	Machinery, except electrical	31,310	44,807	50,301	54,051	55,021	55,578	62,274
36	Electric and electronic machinery	37,951	46,566	52,539	55,316	55,736	58,610	65,596
37	Transportation equipment	65,944	84,347	86,717	87,972	89,599	88,004	92,930
38	Instruments and related products	8,805	11,547	15,430	15,364	16,846	18,668	20,338
39	Misc. manufactured commodities	11,130	14,666	18,359	19,844	20,090	20,015	23,025

X Not applicable. [1] Standard Industrial Classification. [2] Includes scrap and waste, used or secondhand merchandise, and manufactured commodities not identified by kind. [3] Includes frozen and packaged fish.

Source: U.S. Bureau of the Census, 1980-1988, *Highlights of U.S. Export and Import Trade,* series FT 990; beginning 1989, *U.S. Merchandise Trade,* series FT 900.

Figure 30.1
Selected Outlying Areas of the United States



Outlying Areas

This section presents summary economic and social statistics for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands.

Primary sources are the decennial censuses of population and housing, and the censuses of agriculture, business, manufactures, and construction (taken every 5 years) conducted by the Bureau of the Census; the annual *Vital Statistics of the United States,* issued by the National Center for Health Statistics; and the annual *Income and Product* of the Puerto Rico Planning Board, San Juan.

Jurisdiction.—The United States gained jurisdiction over these areas as follows:

The islands of *Puerto Rico* and *Guam,* surrendered by Spain to the United States in October 1898, were ceded to the United States by the Treaty of Paris, ratified in 1899. Puerto Rico became a Commonwealth on July 25, 1952, thereby achieving a high degree of local autonomy under its own constitution. The *Virgin Islands,* comprising 50 islands and cays, was purchased by the United States from Denmark in 1917. *American Samoa,* a group of seven islands, was acquired by the United States in accordance with a convention among the United States, Great Britain, and Germany, ratified in 1900 (Swains Island was annexed in 1925).

By an agreement approved by the Security Council and the United States, the Northern Mariana Islands, previously under Japanese mandate, was administered by the United States between 1947 and 1986 under the United Nations trusteeship system. The Northern Mariana Islands became a Commonwealth in 1986.

For a brief summary of U.S. territorial development, see table 356.

Censuses.—Because characteristics of the outlying areas differ, the presentation of census data for them is not uniform. The 1960 Census of Population covered all of the places listed above except the Northern Mariana Islands (their census was conducted in April 1958 by the Office of the High Commissioner), while the 1960 Census of Housing also excluded American Samoa. The 1970, 1980 and 1990 Censuses of Population and Housing covered all five areas. The 1959, 1969, and 1978 Censuses of Agriculture covered Puerto Rico, American Samoa, Guam, and the Virgin Islands; the 1964, 1974, and 1982 censuses covered the same areas except American Samoa; and the 1969, 1978, and 1987 censuses included the Northern Mariana Islands. Beginning in 1967, Congress authorized the economic censuses, to be taken at 5-year intervals, for years ending in "2" and "7." Prior economic censuses were conducted in Puerto Rico for 1949, 1954, 1958, and 1963 and in Guam and the Virgin Islands for 1958 and 1963. In 1967, the census of construction industries was added for the first time in Puerto Rico; in 1972, Virgin Islands and Guam were covered. For 1982 and 1987, the economic censuses covered the Northern Mariana Islands.

In Brief

Persons per household, 1990:

Puerto Rico	*3.3*
Virgin Islands	*3.1*
Guam	*4.0*
American Samoa	*7.0*
Northern Mariana Islands	*4.6*

Information in other sections.—In addition to the statistics presented in this section, other data are included as integral parts of many tables showing distribution by States in various sections of the *Abstract.* See "Outlying areas of the United States" in the index. For definition and explanation of terms used, see section 1, Population; section 4, Education; section 23, Agriculture; section 26, Construction and Housing; section 27, Manufactures; and section 28, Domestic Trade and Services.

No. 1355. Estimated Resident Population, by Area: 1950 to 1990

[**In thousands.** As of **July 1,** except 1990, as of **April 1.** Includes estimates of Armed Forces stationed in area]

AREA	1950	1960	1970	1975	1980	1985	1987	1988	1990
Puerto Rico	2,218	2,362	2,716	2,933	3,206	3,282	3,292	3,291	3,522
American Samoa	19	20	27	30	32	36	38	40	47
Guam	60	66	86	102	107	124	130	133	133
Virgin Islands	27	32	63	94	98	111	106	103	102
Northern Mariana Islands [1]	(NA)	(NA)	12	15	17	19	20	21	43

NA Not available. [1] Data consistent with apportionment census of September 1973 which showed a total population of 14,333 for the Marianas.

Source: U.S. Bureau of the Census, 1950-1988: *Current Population Reports,* P25-80, P25-336, P25-943, and P25-1049; 1990: press releases, CB91-142, 242, 276, 263, and 243.

No. 1356. Population and Median Age, by Area and Sex: 1960 to 1990

[As of **April 1.** For definition of median, see Guide to Tabular Presentation]

AREA AND SEX	POPULATION (1,000)				MEDIAN AGE (years)			
	1960	1970	1980	1990	1960	1970	1980	1990
Puerto Rico	2,349.5	2,712.0	3,196.5	3,522.0	18.5	21.6	24.6	28.4
Male	1,162.8	1,329.9	1,556.7	1,706.0	18.0	20.9	23.7	27.2
Female	1,186.8	1,382.2	1,639.8	1,816.0	18.9	22.2	25.5	29.6
American Samoa	20.1	27.2	32.3	46.8	15.2	16.1	18.8	20.9
Male	10.2	13.7	16.4	24.0	14.6	16.1	18.4	20.6
Female	9.9	13.6	15.9	22.8	15.8	16.1	19.2	21.2
Guam	67.0	85.0	106.0	133.2	20.8	20.4	22.3	25.0
Male	39.2	47.3	55.3	70.9	22.9	21.6	22.4	25.2
Female	27.8	37.7	50.7	62.2	16.5	18.2	22.1	24.9
Virgin Islands	32.1	62.5	96.6	101.8	20.7	23.0	22.5	28.2
Male	15.9	31.3	46.2	49.2	20.3	23.1	21.1	27.1
Female	16.2	31.3	50.4	52.6	21.2	23.0	23.6	29.2
Northern Mariana Islands	(NA)	9.6	16.8	43.3	(NA)	15.2	19.7	27.4
Male	(NA)	4.9	8.8	22.8	(NA)	15.4	20.9	29.9
Female	(NA)	4.7	8.0	20.5	(NA)	15.0	18.5	24.9

NA Not available.

Source: U.S. Bureau of the Census, *Census pf Population: 1970,* vol. I, *Characteristics of the Population,* parts 53-58; *1980,* vol. 1, chapter B, *Characteristics of the Population,* parts 53-57a; and *1990,* CPH-1, parts 53A and 55; CPH-6, parts G (Guam), AS (American Samoa), and CNMI (Commonwealth of the Northern Mariana Islands); and Summary Tape File 1A, (Puerto Rico) and Summary Tape File 2 (Virgin Islands).

No. 1357. Population, by Place of Birth and Year of Immigration: 1990

[As of **April 1**]

ITEM	United States	Puerto Rico	Virgin Islands	Guam	American Samoa	Northern Mariana Islands
All persons	**248,709,873**	**3,522,037**	**101,809**	**133,152**	**46,773**	**43,345**
Born in this area	225,695,826	3,200,940	49,839	63,504	25,573	16,752
Percent of total	90.7	90.9	49.0	47.7	54.7	38.6
Born in the United States	225,695,826	229,304	14,246	28,010	3,519	1,271
Born elsewhere [1]	23,014,047	91,793	37,724	41,638	17,681	25,322
Born outside area	23,014,047	321,097	51,970	69,648	21,200	26,593
Year of entry:						
1985 to 1990	5,562,288	104,900	13,765	43,575	9,302	21,984
1980 to 1984	4,222,420	52,487	7,951	8,768	5,025	2,491
1970 to 1979	5,601,860	90,934	12,279	10,994	4,423	1,600
1960 to 1969	3,410,665	58,278	13,072	4,143	1,758	274
Before 1960	4,216,814	14,498	4,903	2,168	692	244

[1] Includes persons born in other outlying areas under United States jurisdiction and persons born abroad with at least one parent who is a United States citizen, as well as foreign born persons.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing,* Summary Tape File, parts 3C, (United States), 3A and unpublished data, (Puerto Rico), and 3, (Virgin Islands); CPH-L-98, *The Foreign Born Population in the United States: 1990; 1990 Census pf Population and Housing,* CPH-6, parts G (Guam), AS (American Samoa), and CNMI (Commonwealth of the Northern Mariana Islands).

No. 1358. Land Area and Population Characteristics, by Area: 1990

[As of April 1. See also table 356 for gross area (land and water). For definition of median, see Guide to Tabular Presentation]

ITEM	United States	Puerto Rico	Virgin Islands	Guam	American Samoa	Northern Mariana Islands
Land area (sq. miles)	3,536,338	3,427	134	209	77	184
Total resident population	**248,709,873**	**3,522,037**	**101,809**	**133,152**	**46,773**	**43,345**
Per square mile	70.3	1,027.9	760.9	637.1	607.4	235.6
Percent increase, 1980-90	9.8	10.2	5.4	25.6	44.8	158.3
Urban	187,053,487	2,508,346	37,885	50,801	15,599	12,151
Rural	61,656,386	1,013,691	63,924	82,351	31,174	31,194
Male	121,239,418	1,705,642	49,210	70,945	24,023	22,802
Female	127,470,455	1,816,395	52,599	62,207	22,750	20,543
Males per 100 females	95.1	93.9	93.6	114.0	105.6	111.0
Median age (years)	32.9	28.4	28.2	25.0	20.9	27.4
Male (years)	31.7	27.2	27.1	25.2	20.6	29.9
Female (years)	34.1	29.6	29.2	24.9	21.2	24.9
Marital status, persons 15 years old and over	**195,142,002**	**2,563,818**	**72,365**	**93,200**	**28,952**	**33,030**
Never married	52,559,853	711,470	27,539	30,759	11,412	13,810
Married [1]	111,498,578	1,499,449	35,199	54,717	15,958	17,869
Widowed or divorced	31,083,571	352,899	9,627	7,724	1,582	1,351
Households and families:						
Households	91,947,410	1,054,924	32,020	31,373	6,607	6,873
Persons in households	242,012,129	3,487,667	100,488	124,596	46,267	31,856
Persons per household	2.63	3.31	3.14	3.97	7.00	4.63
Families	64,517,947	886,339	23,012	27,313	6,301	5,312
Husband-wife families	50,708,322	634,872	13,197	21,342	5,153	3,947
Children ever born per 1,000 females 15 to 44 years	1,223	1,512	1,662	1,523	1,757	1,226

[1] For Puerto Rico, includes consensually married couples and for all areas, includes separated couples.

Source: U.S. Bureau of the Census, *1990 Census of Population*, CP-1 parts 1, (United States), 53 (Puerto Rico), 55 (Virgin Islands); *1990 Census of Population and Housing*, CPH-1, parts 53A and 55; CPH-6, parts G (Guam), AS (American Samoa), and CNMI (Commonwealth of the Northern Mariana Islands); and Summary Tape File, parts 3C, (United States), 3A, (Puerto Rico), and 3, (Virgin Islands).

No. 1359. Selected Social and Economic Characteristics, by Area: 1990

[As of April 1]

CHARACTERISTIC	United States	Puerto Rico	Virgin Islands	Guam	American Samoa	Northern Mariana Islands
EDUCATIONAL ATTAINMENT						
Persons 25 years and over	158,868,436	1,952,297	55,639	66,700	19,570	24,633
Less than 9th grade	16,502,211	691,835	12,908	9,238	3,664	4,285
9th to 12th grade, no diploma	22,841,507	290,173	11,278	8,602	5,239	4,016
High school graduate	47,642,763	410,559	14,021	22,220	6,253	8,659
Some college or associate degree	39,571,702	281,248	9,011	14,984	3,062	3,818
Bachelor's degree or higher	32,310,253	278,482	8,421	11,656	1,352	3,855
EMPLOYMENT STATUS						
Total persons, 16 years old and over	191,829,271	2,497,078	70,323	90,990	27,991	32,522
In labor force	125,182,378	1,180,162	47,553	66,138	14,198	26,589
Percent of total	65.3	47.3	67.6	72.7	50.7	81.8
Armed forces	1,708,928	5,486	110	11,952	11	8
Civilian labor force	123,473,450	1,174,676	47,443	54,186	14,187	26,581
Employed	115,681,202	934,736	44,267	52,144	13,461	25,965
Unemployed	7,792,248	239,940	3,176	2,042	726	616
Percent of civilian labor force	6.3	20.4	6.7	3.8	5.1	2.3
Not in labor force	66,646,893	1,316,916	22,770	24,852	13,793	5,933
FAMILY INCOME IN 1989						
Families, census year	65,049,428	889,998	23,012	27,313	6,301	5,312
Percent distribution by income class	100.0	100.0	100.0	100.0	100.0	100.0
Less than $5,000	4.0	25.1	8.8	4.0	11.0	8.2
$5,000 to $9,999	5.6	24.9	9.5	4.7	19.2	13.9
$10,000 to $14,999	7.2	16.5	12.8	8.3	17.0	13.1
$15,000 to $24,999	16.4	17.5	20.6	21.1	23.6	21.6
$25,000 or more	66.9	16.0	48.3	61.9	29.1	43.2
Median income (dollars)	35,225	9,988	24,036	31,178	15,979	21,275
RESIDENCE IN 1985						
Persons 5 years and over	230,445,777	3,219,765	92,579	118,055	39,821	39,206
Same house	122,796,970	2,190,479	56,098	54,665	30,759	11,479
Different house in this area	102,540,097	879,691	25,003	24,763	2,763	6,870
Outside area	5,108,710	149,595	11,478	38,627	6,299	20,857
LANGUAGE SPOKEN AT HOME						
Persons 5 years and over	230,445,777	3,219,765	92,579	118,055	39,821	39,206
Speak only English at home	198,600,798	(NA)	70,442	44,048	1,203	1,878

NA Not available.

Source: U.S. Bureau of the Census, *1990 Census of Population and Housing*, Summary Tape File, parts 3C, (United States), 3A and unpublished data, (Puerto Rico), and 3, (Virgin Islands); CPH-L-98, *The Foreign Born Population in the United States: 1990; 1990 Census of Population and Housing*, CPH-6, parts G (Guam), AS (American Samoa), and CNMI (Commonwealth of the Northern Mariana Islands).

No. 1360. Vital Statistics—Specified Areas: 1960 to 1990

[Births, deaths, and infant deaths by place of residence; marriages and divorces by place of occurrence. Rates for 1960, 1970, 1980, and 1990 based on population enumerated as of **April 1**; for other years, on population estimated as of **July 1**]

AREA AND YEAR	BIRTHS		DEATHS		INFANT DEATHS		MARRIAGES		DIVORCES [3]	
	Number	Rate [1]	Number	Rate [1]	Number	Rate [2]	Number	Rate [1]	Number	Rate [1]
Puerto Rico:										
1960	76,314	32.5	15,791	6.7	3,307	43.3	[4]20,212	[4]8.6	5,218	2.2
1970	67,628	24.8	18,080	6.7	1,930	28.6	29,905	11.0	9,688	3.6
1980	72,966	22.8	20,413	6.4	1,351	18.5	33,167	10.4	15,276	4.8
1985	63,547	19.4	23,071	7.0	944	14.9	30,355	9.2	14,686	4.5
1990	66,417	18.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Guam:										
1965	2,523	32.8	336	4.4	82	32.5	471	6.2	53	0.7
1970	2,842	28.8	355	5.8	62	21.6	874	9.9	84	1.0
1980	2,945	27.8	393	3.7	43	14.6	(NA)	(NA)	(NA)	(NA)
1985	3,049	24.6	415	3.4	35	11.5	(NA)	(NA)	(NA)	(NA)
1990	3,839	28.8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virgin Islands:										
1960	1,180	36.8	332	10.3	42	35.6	359	11.1	135	4.2
1970	2,898	46.8	469	7.9	72	24.6	1,149	18.4	270	4.3
1980	2,504	25.9	504	5.2	61	24.4	1,112	11.5	478	4.9
1985	2,375	21.4	506	4.6	42	17.7	1,448	13.1	363	3.3
1990	2,267	22.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Per 1,000 population. [2] Per 1,000 live births. [3] Includes reported annulments. [4] Data are incomplete.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

No. 1361. Public Elementary and Secondary Schools, by Areas: 1990

[For school year ending in year shown, unless otherwise indicated]

ITEM	Puerto Rico	Guam	Virgin Islands	American Samoa	ITEM	Puerto Rico	Guam	Virgin Islands	American Samoa
Enrollment, fall	**651,225**	**26,493**	**21,193**	**12,258**	**Staff, fall 1989**	**62,441**	**2,985**	**3,324**	**1,240**
Elementary (kindergarten-grade 8)	486,247	19,291	15,769	9,309	School district staff	1,683	7	403	97
Secondary (grades 9-12 and post graduates)	164,978	7,202	5,424	2,949	School staff	38,559	1,990	2,251	799
					Teachers	33,427	1,622	1,595	659
					Other support services staff	22,199	988	670	344
Average daily attendance	**597,436**	**(NA)**	**18,924**	**8,498**	Current expenditures [1] ($1,000)	1,090,383	(NA)	128,066	21,837
					Per pupil [2] (dol.)	1,825	(NA)	6,767	2,570

NA Not available. [1] Public elementary and secondary day schools. [2] Annual expenditures per pupil in average daily attendance.

Source: U.S. National Center for Education Statistics, unpublished data.

No. 1362. Federal Direct Payments for Individuals, by Selected Program and Outlying Area: 1990 and 1992

[**In thousands of dollars.** For fiscal years ending **September 30**]

PROGRAM PAYMENTS	1990				1992			
	Puerto Rico	Guam	Virgin Islands	American Samoa	Puerto Rico	Guam	Virgin Islands	American Samoa
Total	**3,487,697**	**83,199**	**95,396**	**14,615**	**4,086,581**	**127,067**	**105,364**	**16,998**
Pell Grants	240,545	1,260	432	113	291,401	1,184	619	326
Medicare: Hospital Insurance	186,950	1,907	4,977	-	255,133	3,103	6,792	-
Supplemental medical insurance	209,525	2,273	3,722	-	260,308	2,767	4,624	-
Social Security:								
Disability insurance	560,910	1,907	5,692	2,410	660,884	4,558	7,574	3,019
Retirement insurance	1,077,133	11,372	31,601	4,330	1,246,085	23,589	37,497	5,114
Survivors insurance	461,999	6,430	11,056	3,873	539,050	14,425	13,259	5,093
Veterans:								
Pension and disability	280,799	3,578	1,794	1,354	311,838	4,124	1,734	1,554
Education assistance	3,086	178	28	37	2,687	73	28	18
Federal retirement and disability	161,315	34,150	8,326	1,605	149,771	39,562	6,809	1,767
Food Stamps	[1]931,131	14,362	18,403	-	[1]996,488	28,458	17,622	-
Other	305,435	5,782	9,365	893	369,424	5,224	8,806	107

- Represents or rounds to zero. [1] Food stamp program in Puerto Rico was replaced by the Nutritional Assistance Grant Program. Figures shown represent grants to State and local governments, not included in totals.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

No. 1363. Puerto Rico—Summary: 1970 to 1991

ITEM	Unit	1970	1980	1985	1986	1987	1988	1989	1990	1991
POPULATION										
Total [1]	1,000	2,722	3,184	3,378	3,406	3,433	3,461	3,497	3,522	3,550
Persons per family	Number	4.6	4.3	3.9	3.8	3.8	3.8	3.7	3.7	3.7
EDUCATION [2]										
Enrollment, total	1,000	922.6	1,090.9	1,107.9	1,127.8	1,112.0	1,114.0	(NA)	(NA)	(NA)
Public day school	1,000	672.3	716.1	692.9	686.9	679.5	672.8	660.6	651.2	644.7
Other public	1,000	103.9	149.5	152.0	153.7	152.1	156.3	(NA)	(NA)	(NA)
Private schools	1,000	89.1	95.2	107.3	130.4	121.8	129.2	137.2	145.8	134.2
College and university	1,000	57.3	130.1	155.7	156.8	158.6	155.7	156.9	156.1	157.5
Expenses	Mil. dol	288.8	825.0	1,171.8	1,212.9	1,282.3	1,434.0	1,564.2	1,686.4	1,760.3
As percent of GNP	Percent	6.2	7.5	7.8	7.6	7.5	7.7	7.8	7.8	7.7
Public	Mil. dol	254.6	612.2	810.2	814.4	847.9	932.7	990.8	1,054.2	1,095.4
Private	Mil. dol	34.2	212.8	361.6	398.5	434.4	501.3	573.4	632.2	664.9
LABOR FORCE [3]										
Total [4]	1,000	765	907	985	1,004	1,048	1,081	1,108	1,124	1,152
Employed [5]	1,000	686	753	774	798	863	909	948	963	977
Agriculture [6]	1,000	68	38	39	41	36	32	37	36	35
Manufacturing	1,000	132	143	141	144	157	163	165	168	164
Trade	1,000	128	138	150	153	165	180	186	185	195
Government	1,000	106	184	183	185	204	209	219	222	217
Unemployed	1,000	79	154	211	206	185	172	160	161	175
Unemployment rate [7]	Rate	10	17	21	21	18	16	14	14	15
Compensation of employees	Mil. dol	2,800	7,200	9,442	9,929	10,681	11,786	12,817	13,591	14,199
Avg. compensation	Dollar	4,082	9,563	12,456	12,779	12,806	13,447	14,131	14,854	15,351
Salary and wages	Mil. dol	2,555	6,290	8,137	8,496	9,182	10,118	10,965	11,632	12,136
INCOME [8]										
Personal income:										
Current dollars	Mil. dol	3,753	11,002	14,588	15,448	16,465	17,756	19,198	21,105	21,778
Constant (1954) dollars	Mil. dol	2,654	3,985	4,274	4,509	4,766	4,982	5,200	5,551	5,514
Disposable personal income:										
Current dollars	Mil. dol	3,565	10,403	13,760	14,391	15,420	16,529	18,170	19,914	20,577
Constant (1954) dollars	Mil. dol	2,521	3,768	4,032	4,200	4,463	4,638	4,921	5,238	5,197
Average family income:										
Current dollars	Dollar	6,366	14,858	16,914	17,305	18,297	19,572	20,416	22,231	22,772
Constant (1954) dollars	Dollar	4,503	5,381	4,957	5,050	5,297	5,491	5,530	5,847	5,765
BANKING [9]										
Assets	Mil. dol	3,322	10,223	21,209	22,534	26,101	24,660	27,179	27,902	27,946
TOURISM [8]										
Number of visitors	1,000	1,225.0	2,140.0	2,061.6	2,144.6	2,619.3	3,004.2	3,221.2	3,425.8	3,504.3
Visitor expenditures	Mil. dol	235.4	618.7	757.7	792.6	955.4	1,121.4	1,254.0	1,366.4	1,435.7
Average per visitor	Dollar	192	289	368	370	365	373	389	399	410
Net income from tourism	Mil. dol	89.8	202.2	223.1	239.3	285.8	333.1	372.8	383.3	423.0

NA Not available. [1] 1970, 1980, and 1990 enumerated as of April 1; all other years estimated as of July 1. [2] Enrollment for the first school month. Expenses for school year ending in year shown. [3] Annual average of monthly figures. For fiscal years. [4] Beginning 1980, for population 16 years old and over; 1970, for population 14 years and over. [5] Includes other employment not shown separately. [6] Includes forestry and fisheries. [7] Percent unemployed of the labor force. [8] For fiscal years. [9] As of June 30.

Source: Puerto Rico Planning Board, San Juan, PR, *Income and Product*, annual; and *Socioeconomics Statistics*, annual.

No. 1364. Puerto Rico—Employment Status, 1970 to 1992, and by Sex, 1992

[**In thousands. For 1970, for persons 14 years old and over; beginning 1980, 16 years old and over.** Annual averages for calendar years of the civilian noninstitutional population]

EMPLOYMENT STATUS	1970	1980	1985	1986	1987	1988	1989	1990	1991	1992		
										Total	Male	Female
Total	**1,743**	**2,116**	**2,348**	**2,374**	**2,397**	**2,420**	**2,455**	**2,493**	**2,528**	**2,536**	**1,180**	**1,356**
In the labor force	777	916	992	1,029	1,058	1,103	1,115	1,132	1,165	1,170	729	442
Employed	693	758	776	834	880	938	952	971	979	977	592	385
Working	657	712	710	768	804	848	858	(NA)	(NA)	(NA)	(NA)	(NA)
35 hours or more	569	535	508	579	570	614	651	(NA)	(NA)	(NA)	(NA)	(NA)
Less than 35 hours	88	177	203	189	235	234	207	(NA)	(NA)	(NA)	(NA)	(NA)
Unemployed	84	156	216	194	178	165	163	160	186	193	137	56
Percent	10.7	17.0	21.8	18.9	16.8	15.0	14.6	14.2	16.0	16.5	18.8	12.7
Not in labor force	966	1,200	1,356	1,345	1,340	1,317	1,340	1,362	1,363	1,366	451	915

NA Not available.

Source: Puerto Rico Dept. of Labor and Human Resources, Bureau of Labor Statistics, San Juan, PR.

No. 1365. Puerto Rico—Gross Product, by Major Industrial Sector: 1980 to 1992

[In millions of dollars. For fiscal years ending June 30. Data for 1992 are preliminary]

ITEM	1980	1984	1985	1986	1987	1988	1989	1990	1991	1992
Gross product	**11,065**	**14,183**	**15,002**	**16,014**	**17,153**	**18,550**	**19,954**	**21,619**	**22,857**	**23,620**
Agriculture	380	345	357	373	411	399	443	434	449	462
Manufacturing	5,306	7,371	7,909	8,549	9,483	10,513	11,133	12,126	12,762	13,155
Contract construction and mining [1]	369	326	334	331	418	551	662	720	771	789
Transportation [2]	1,279	1,714	1,709	1,905	2,045	2,262	2,315	2,468	2,677	2,841
Trade	2,273	2,912	3,160	3,361	3,746	4,125	4,376	4,728	4,811	5,008
Finance, insurance, real estate	1,486	2,421	2,547	2,867	3,183	3,545	3,750	3,896	4,205	4,458
Services	1,279	1,715	1,837	1,993	2,184	2,505	2,699	3,015	3,284	3,547
Government	1,897	2,174	2,346	2,445	2,680	2,918	3,187	3,337	3,538	3,738
Commonwealth	1,574	1,850	1,996	2,078	2,293	2,506	2,745	2,884	3,052	3,213
Municipalities	323	324	350	367	387	413	442	453	486	525
Rest of the world	-3,372	-4,980	-5,287	-5,955	-6,725	-7,629	-8,313	-8,985	-9,734	-10,350
Statistical discrepancy	166	186	91	147	-271	-640	-298	-121	94	-28

[1] Mining includes only quarries. [2] Includes other public utilities, and radio and television broadcasting.
Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1991-92.*

No. 1366. Puerto Rico—Net Income, by Industrial Origin: 1980 to 1992

[See headnote, table 1365]

INDUSTRY	1980	1985	1986	1987	1988	1989	1990	1991	1992
All industries	**9,007**	**12,182**	**13,166**	**14,414**	**15,699**	**16,662**	**17,941**	**18,854**	**19,535**
Agriculture	435	410	420	465	447	494	486	503	518
Manufacturing	4,756	7,117	7,862	8,760	9,704	10,299	11,277	11,924	12,324
Mining	9	10	13	15	22	24	26	26	26
Contract construction	337	309	299	380	516	624	679	728	745
Transp. and other public utilities [1]	1,022	1,248	1,442	1,574	1,646	1,681	1,777	1,944	2,080
Trade	1,609	2,285	2,451	2,648	2,942	3,154	3,420	3,500	3,598
Finance, insurance, and real estate	1,200	2,141	2,442	2,707	2,978	3,136	3,260	3,544	3,739
Services	1,114	1,606	1,748	1,911	2,154	2,377	2,643	2,883	3,118
Commonwealth Government [2]	1,897	2,346	2,445	2,680	2,918	3,187	3,337	3,538	3,738
Rest of the world	-3,372	-5,287	-5,955	-6,725	-7,629	-8,313	-8,985	-9,734	-10,350

[1] Includes radio and television. [2] Includes public enterprises not elsewhere classified.
Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1991-92.*

No. 1367. Puerto Rico—Transfers Between Federal and State Governments and Other Nonresidents: 1983 to 1992

[See headnote, table 1365]

ITEM	1983	1985	1987	1988	1989	1990	1991	1992
Total receipts	**3,310**	**3,531**	**3,992**	**4,073**	**4,289**	**4,871**	**4,973**	**5,225**
Federal government	3,111	3,348	3,785	3,840	4,082	4,649	4,708	5,025
Transfers to individuals [1]	3,053	3,283	3,715	3,761	4,014	4,577	4,633	4,945
Veterans benefits	291	317	339	323	337	349	370	382
Medicare	184	220	273	292	320	368	415	481
Old age, disability, survivors	1,423	1,581	1,743	1,826	1,940	2,055	2,243	2,414
Nutritional assistance	775	780	904	822	853	880	916	957
Industry subsidies	59	65	70	80	68	72	75	80
U.S. State governments	15	17	15	15	17	18	18	26
Other nonresidents	183	166	192	217	191	205	246	174
Total payments	**992**	**1,190**	**1,345**	**1,524**	**1,664**	**1,801**	**1,849**	**1,933**
Federal government	979	1,145	1,332	1,512	1,651	1,756	1,832	1,864
Transfers from individuals	428	508	598	692	786	817	860	903
Contribution to Medicare	38	44	53	70	89	97	101	107
Employee contribution for Social Security	390	463	543	620	675	720	758	795
Transfers from industries	12	13	14	15	15	16	19	24
Unemployment insurance	171	189	213	223	237	247	243	193
Employer contribution for Social Security	368	435	508	582	633	675	710	744
Other nonresidents	13	35	13	11	13	45	17	69
Net balance	**2,317**	**2,351**	**2,647**	**2,550**	**2,625**	**3,070**	**3,124**	**3,292**
Federal government	2,132	2,203	2,452	2,328	2,431	2,893	2,877	3,161
U.S. State governments	13	14	13	14	14	16	15	21
Other nonresidents	173	134	181	208	180	162	232	109

[1] Includes other receipts and payments not shown separately.
Source: Puerto Rico Planning Board, San Juan, PR, *Economic Report of the Governor, 1991-92.*

No. 1368. Puerto Rico—Economic Summary, by Industry: 1990

[Excludes employees of establishments totally exempt from the Federal Insurance Contributions Act: government workers, railroad employment jointly covered by Social Security and railroad retirement programs, self-employed persons, domestic service, agriculture production employees, and employees on oceanborne vessels or in foreign countries]

1987 SIC code [1]	INDUSTRY	Total establishments	Employment-size class: 1 to 4	5 to 9	10 to 19	20 to 49	50 or more	Employees [2]	Annual payroll (mil. dol.)
(X)	**Total [3]**	**35,557**	**21,475**	**5,576**	**3,810**	**2,876**	**1,820**	**561,332**	**7,139.8**
A	Agricultural services, forestry, and fishing	71	47	12	7	4	1	479	3.6
B	Mining	34	9	7	4	9	5	755	9.9
14	Nonmetallic minerals, except fuels	25	3	7	4	7	4	547	6.7
C	Construction [3]	890	329	141	129	128	163	34,798	361.7
15	General contractors and operative builders	364	102	52	46	57	107	22,399	216.9
17	Special trade contractors	452	208	78	66	56	44	8,946	99.4
D	Manufacturing [3]	1,701	359	209	250	329	554	151,269	2,314.7
20	Food and kindred products	243	73	39	37	44	50	18,093	285.1
22	Textile mill products	16	4	1	2	2	7	2,604	29.1
23	Apparel and other textile products	250	36	13	27	52	122	31,655	250.7
25	Furniture and fixtures	97	28	19	23	19	8	2,038	19.1
26	Paper and allied products	42	2	6	11	10	13	1,871	29.4
27	Printing and publishing	149	64	33	20	20	12	4,191	60.8
28	Chemicals and allied products	159	20	10	18	30	81	25,209	642.4
29	Petroleum and coal products	13	-	1	2	3	7	1,270	32.4
30	Rubber and misc. plastic products	85	9	5	15	24	32	6,197	90.0
31	Leather and leather products	25	1	-	3	5	16	6,047	58.1
32	Stone, clay, and glass products	115	25	19	28	31	12	3,519	64.6
34	Fabricated metal products	111	22	19	16	29	25	4,063	51.9
35	Industrial machinery and equip	74	18	16	7	14	19	6,960	129.6
36	ELectronic and other electronic equip	103	10	2	7	9	75	18,299	260.5
38	Instruments and related products	69	9	3	7	6	44	11,331	195.9
E	Transportation and public utilities [3]	819	419	151	106	86	57	24,837	459.1
42	Trucking and warehousing	310	173	58	37	35	7	2,772	32.3
44	Water transportation	55	21	8	5	9	12	4,547	71.6
45	Air transportation	58	16	14	12	6	10	3,769	71.6
47	Transportation services	235	160	36	18	15	6	2,034	30.4
48	Communication	88	6	20	27	18	17	10,723	240.4
49	Electric, gas, and sanitary services	15	3	4	1	2	5	716	10.8
F	Wholesale trade [3]	1,898	748	358	346	285	161	35,225	593.4
50	Durable goods	965	366	197	202	134	66	15,661	255.4
51	Nondurable goods	914	378	157	139	148	92	19,014	322.7
G	Retail trade [3]	9,210	4,994	1,831	1,188	833	364	107,637	976.5
52	Building materials, garden supplies	573	309	128	70	51	15	5,256	53.7
53	General merchandise stores	418	164	53	59	58	84	17,489	165.3
54	Food stores	1,206	675	203	123	90	115	20,973	156.4
55	Automotive dealers and service stations	1,478	945	314	135	67	17	9,255	98.3
56	Apparel and accessory stores	1,249	552	295	247	131	24	12,637	104.6
57	Furniture and home furnishings	650	359	169	85	33	4	4,234	44.3
58	Eating and drinking places	1,647	800	261	267	269	50	19,768	148.6
H	Finance, insurance, and real estate [3]	1,864	978	332	242	205	107	36,085	607.7
60	Depository institutions	310	150	23	45	53	39	14,545	257.8
61	Nondepository institutions	423	105	126	103	69	20	7,796	112.4
63	Insurance carriers	80	19	14	8	24	15	3,915	79.0
64	Insurance agents, brokers, and service	240	127	43	28	25	17	4,025	73.2
65	Real estate	759	547	117	52	31	12	4,933	61.3
I	Services [3]	7,533	4,985	1,018	670	453	407	118,751	1,284.6
72	Personal services	508	355	74	57	16	6	3,201	26.0
73	Business services	631	268	115	74	66	108	27,429	253.3
75	Auto repair, services, and parking	482	340	86	35	15	6	2,688	27.6
78	Motion pictures	86	35	17	20	11	3	1,015	12.0
79	Amusement and recreation services	143	85	15	28	11	4	1,674	16.7
80	Health services	2,826	2,241	330	123	63	69	28,388	299.5
81	Legal services	726	603	43	52	19	9	3,143	53.0
82	Education services	441	112	52	75	103	99	20,705	226.5
83	Social services	223	94	46	43	17	23	5,151	46.3
86	Membership organizations	520	329	76	44	48	23	5,817	50.2
87	Engineering and management services	547	317	96	64	46	24	6,143	95.1

- Represents or rounds to zero. X Not applicable. [1] 1987 Standard Industrial Classification (SIC) code; see text, section 13. [2] For the pay period including March 12. [3] Includes other establishments not shown separately.
Source: U.S. Bureau of the Census, *County Business Patterns*, 1990.

No. 1369. Puerto Rico—Merchandise Imports and Exports: 1970 to 1991

[**In millions of dollars.** Imports are imports for consumption; see text, section 29]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Imports	2,681	4,885	9,018	9,329	8,167	8,708	10,116	10,162	10,321	11,308	13,096	15,010	16,200	15,079
From U.S.	2,070	3,029	5,345	5,801	5,300	5,162	5,738	6,130	6,467	7,307	8,788	10,193	10,792	10,306
From other	611	1,856	3,673	3,528	2,867	3,546	4,378	4,032	3,854	4,001	4,308	4,817	5,408	4,773
Exports	1,680	3,000	6,576	7,047	8,888	8,242	9,426	11,087	11,854	12,508	14,436	17,455	20,402	21,128
To U.S.	1,563	2,633	5,643	6,024	7,624	6,936	8,074	9,873	10,524	11,153	12,756	15,334	17,915	18,729
To other	117	367	933	1,023	1,264	1,306	1,352	1,214	1,330	1,355	1,680	2,121	2,487	2,399

Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States*, annual; *U.S. Trade with Puerto Rico and U.S. Possessions, FT 895;* and, through 1988, *Highlights of U.S. Export and Import Trade, FT990;* thereafter, FT990 supplement.

No. 1370. Puerto Rico, Guam, and Virgin Islands—Agriculture: 1982 and 1987

[1 cuerda=.97 acre. Tons specified are short tons]

ITEM	1982	1987	ITEM	1982	1987	ITEM	AMOUNT HARVESTED [1] Unit	1982	1987	SALES ($1,000) 1982	1987
PUERTO RICO											
Farms	21,820	20,245	Tenure of operator:			Dairy products	(X)	(X)	(X)	152,126	157,864
Percent—			Percent—			Poultry [2]	(X)	(X)	(X)	45,945	70,560
Less than 10 cuerdas	45.1	48.7	Full-owners	79.3	77.5	Coffee	1,000 cwt.[3]	243.9	246.2	39,302	41,786
10 to 19 cuerdas	20.9	19.5	Part-owners	11.5	13.1	Cattle and calves	(X)	(X)	(X)	28,579	30,206
20 to 49 cuerdas	18.0	16.7	Managers	1.8	2.3	Sugarcane	1,000 tons	1,462	1,170	26,663	26,643
50 to 99 cuerdas	7.1	6.7	Tenants	7.4	7.1	Fruits/nuts	(X)	(X)	(X)	14,060	20,645
100 to 174 cuerdas	3.9	3.7	Avg. farm size-cuerdas—			Pineapples	1,000 tons	44	69	9,534	15,495
175 or more cuerdas	5.0	4.7	Full-owners	31.1	30.6						
			Part-owners	99.3	85.7	Hogs	(X)	(X)	(X)	6,903	9,525
Cuerdas in farms	982,457	886,846	Managers	122.8	128.0						
			Tenants	90.9	84.0	Vegetables	Cuerdas	6,669	6,179	9,547	8,236
GUAM											
Farms	297	351	Tenure of operator:			Chicken eggs	(X)	(X)	(X)	791.9	651.1
Percent—			Percent—			Fish	(X)	(X)	(X)	121.3	235.0
Less than 1 acre	9.4	6.3	Full-owners	62.0	64.1	Cucumbers	1,000 lbs.	623.3	587.1	217.8	233.5
1 to 2 acres	36.0	35.9	Permittees	21.9	20.5	Green beans	1,000 lbs.	116.5	303.8	81.7	230.2
3 to 7 acres	28.6	29.1	Tenants	9.1	4.3	Watermelons	1,000 lbs.	400.3	632.6	115.6	178.6
8 or more acres	26.0	28.8	Part-owners	5.1	4.6	Tomatoes	1,000 lbs.	88.0	142.7	64.3	108.6
			Non-permittees	1.3	6.0	Hogs and pigs	(X)	(X)	(X)	117.0	106.4
Acres in farms	17,787	13,134	Others	0.7	0.6						
VIRGIN ISLANDS											
Farms	259	267	Tenure of operator:			Milk	(X)	(X)	(X)	922.8	1,042.7
Percent—			Percent—			Cattle and calves	(X)	(X)	(X)	488.6	613.4
Less than 3 acres	29.0	30.0									
3 to 9 acres	34.7	30.3	Full-owners	79.9	75.3	Hogs and pigs	(X)	(X)	(X)	130.0	125.2
10 to 19 acres	9.3	12.0	Part-owners	10.4	13.5						
			Tenants	9.3	8.6	Tomatoes	Acres	8	16	33.7	113.7
20 or more acres	27.0	27.7				Lettuce	Acres	2	8	7.8	49.5
			Managers	0.4	2.6	Mangoes	1,000	205.0	171.1	(D)	44.0
Acres in farms	17,778	17,785				Poultry [2]	(X)	(X)	(X)	315.6	16.8

D Withheld to avoid disclosure of information pertaining to a specific organization or individual. X Not applicable.
[1] Includes amounts not sold. [2] Includes poultry products. [3] Cwt=hundredweight (100 lbs.).
Source: U.S. Bureau of the Census, *1987 Census of Agriculture*, vol. 1, parts 52, 53, and 54.

No. 1371. Guam, Virgin Islands, and Northern Mariana Islands—Economic Summary: 1987

[Sales and payroll in millions of dollars]

ITEM	Guam	Virgin Islands	No. Mariana Islands	ITEM	Guam	Virgin Islands	No. Mariana Islands
Total: Establishments	1,490	2,604	768	**Wholesale trade:**			
Sales	1,510	(D)	374	Establishments	94	84	28
Annual payroll	221	255	57	Sales	245	211	50
Paid employees [1]	18,582	20,709	9,090	Annual payroll	19	20	2
Unpaid family workers [2]	371	209	167	Paid employees [1]	1,392	1,322	187
				Unpaid family workers [2]	6	2	-
Construction: Establishments	79	92	72	**Retail trade:**			
Sales	127	124	43	Establishments	804	1,311	383
Annual payroll	35	29	12	Sales	786	703	155
Paid employees [1]	2,705	2,170	2,061	Annual payroll	79	85	14
Unpaid family workers [2]	1	3	6	Paid employees [1]	7,344	8,529	2,304
Manufacturing:				Unpaid family workers [2]	273	168	126
Establishments	38	66	39	**Services:** Establishments	475	1,051	246
Sales	81	(D)	58	Sales	271	296	67
Annual payroll	17	44	14	Annual payroll	71	76	16
Paid employees [1]	1,320	2,102	2,257	Paid employees [1]	5,821	6,586	2,281
Unpaid family workers [2]	1	-	3	Unpaid family workers [2]	90	36	32

- Represents zero. D Withheld to avoid disclosure of information pertaining to a specific organization or individual. [1] For pay period including March 12. [2] Includes those who worked 15 hours or more during the week including March 12.
Source: U.S. Bureau of the Census, *1987 Economic Census of Outlying Areas*, OAC 87-5 to OAC 87-7.

Comparative International Statistics

This section presents statistics for the world as a whole and for many countries on a comparative basis with the United States. Data are shown for population, births and deaths, social and industrial indicators, finances, agriculture, communication, and military affairs.

Statistics of the individual nations may be found primarily in official national publications, generally in the form of yearbooks, issued by most of the nations at various intervals in their own national languages and expressed in their own or customary units of measure. (For a listing of selected publications, see Guide to Sources.) For handier reference, especially for international comparisons, the Statistical Office of the United Nations compiles data as submitted by member countries and issues a number of international summary publications, generally in English and French. Among these are the *Statistical Yearbook*; the *Demographic Yearbook;* the *Yearbook of International Trade Statistics;* the *Yearbook of National Accounts Statistics: Vol. II, International Tables; Population and Vital Statistics Reports* (quarterly); the *Monthly Bulletin of Statistics;* and the *Energy Statistics Yearbook.* Specialized agencies of the United Nations also issue international summary publications on agricultural, labor, health, and education statistics. Among these are the *Production Yearbook* and *Trade Yearbook* issued by the Food and Agriculture Organization, the *Yearbook of Labour Statistics* issued by the International Labour Office, the *World Health Statistics* issued by the World Health Organization, and the *Statistical Yearbook* issued by the Educational, Scientific, and Cultural Organization.

The Bureau of the Census, in *Country Demographic Profiles,* series ISP-DP, presents data on individual countries for both a recent census year and the current period; and in the *World Population Profile* series, estimates of basic demographic measures for countries and regions of the world. The *International Population Statistics Reports,* series P-90 and P-91, issued by the Bureau of the Census, also present population figures for many foreign countries. Detailed population statistics are also available from the Bureau of the Census' computerized International Data Base.

In Brief

Ten largest countries in 1993: (1,000 persons)

China, Mainland	1,177,585
India	903,159
United States	258,104
Indonesia	197,232
Brazil	156,664
Russia	149,300
Pakistan	125,214
Japan	124,712
Bangladesh	122,255
Nigeria	95,060

The U.S. Arms Control and Disarmament Agency and the International Monetary Fund (IMF) also compile data on international statistics. In its *World Military Expenditures and Arms Transfers,* published annually, the ACDA presents data on various economic indicators, as well as basic military data. Among the topics presented have been military expenditures, gross national product, imports and exports, and armed forces, by region and/or country. The IMF publishes a series of reports relating to financial data. These include *International Financial Statistics, Direction of Trade,* and *Balance of Payments Yearbook,* published in English, French, and Spanish.

Statistical coverage, country names, and classifications.—Problems of space and availability of data limit the number of countries and the extent of statistical coverage shown. The list of countries included is based almost entirely on a list of sovereign nations, dependencies, and areas of special sovereignty published by the U.S. Department of State in *Status of the World's Nations.* Country names are shown here as specified in that publication. In the few cases where a lack of comparability exists between State Department and United Nations' terminology, the State Department's preferences are used.

In recent years, several important changes took place in the status of the world's nations. Two nations, Yemen and Germany, were formed in 1990, each by unification of two formerly separate nations. In the case of Germany, the former German Democratic Republic (East) was subsumed by the Federal Republic of Germany (West). In most cases, data presented in the *Statistical Abstract* are for former West Germany. The Republic of Yemen was formed by union of the former Yemen Arab Republic and the People's Democratic Republic of Yemen. Also in 1990, Namibia finally realized its independence; the United Nations terminated its status as a South African mandate in 1966.

The year 1990 also began a period of turmoil in the former Soviet Union. The independence of three Baltic States—Estonia, Latvia, and Lithuania—was recognized by the central Soviet government in August 1991. The United States established diplomatic relations with the democratically elected governments of the Baltic States in September 1991. In December 1991, the 12 former Soviet republics became separate sovereign nations—Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan. Eleven of the 12 have formed a Commonwealth of Independent States (Georgia has not joined). Most data presented in the *Statistical Abstract* are for former Soviet Union.

In 1992, the Socialist Federal Republic of Yugoslavia dissolved and none of the successor states represents its continuation. Bosnia and Herzegovina, Croatia, and Slovenia have been formally recognized as independent states by the United States. Macedonia has proclaimed independent statehood, but has not been formally recognized as a state by the U.S. Serbia and Montenegro have asserted the formation of a joint independent state, but this entity has not been formally recognized as a state by the U.S. In addition, on December 31, 1992, at midnight, Czechoslovakia ceased to exist and was succeeded by two separate and independent states, the Czech Republic and Slovakia. The United States formally recognized the Czech Republic and Slovakia as independent states on January 1, 1993. Finally, Eritrea announced its independence from Ethiopia on April 27, 1993. After this announcement, the U.S. recognized Eritrea as an independent state.

The population estimates and projections used in tables 1374-1376 were prepared by the Census Bureau. For each country, the data on population, by age and sex, fertility, mortality, and international migration were evaluated and, where necessary, adjusted for inconsistencies and errors in the data. In most instances, comprehensive projections were made by the component method, resulting in distributions of the population by age and sex, and requiring an assessment of probable future trends of fertility, mortality, and international migration.

Economic associations.—The Organization for European Economic Co-operation (OEEC), a regional grouping of Western European countries established in 1948 for the purpose of harmonizing national economic policies and conditions, was succeeded on September 30, 1961, by the Organization for Economic Cooperation and Development (OECD). The member nations of the OECD are Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

Quality and comparability of the data.—The quality and comparability of the data presented here are affected by a number of factors:

(1) The year for which data are presented may not be the same for all subjects for a particular country, or for a given subject for different countries, though the data shown are the most recent available. All such variations have been noted. The data shown are for calendar years except as otherwise specified.

(2) The bases, methods of estimating, methods of data collection, extent of coverage, precision of definition, scope of territory, and margins of error may vary for different items within a particular country, and for like items for different countries. Footnotes and headnotes to the tables give a few of the major time-period and coverage qualifications attached to the figures;

considerably more detail is presented in the source publications. Many of the measures shown are, at best, merely rough indicators of magnitude.

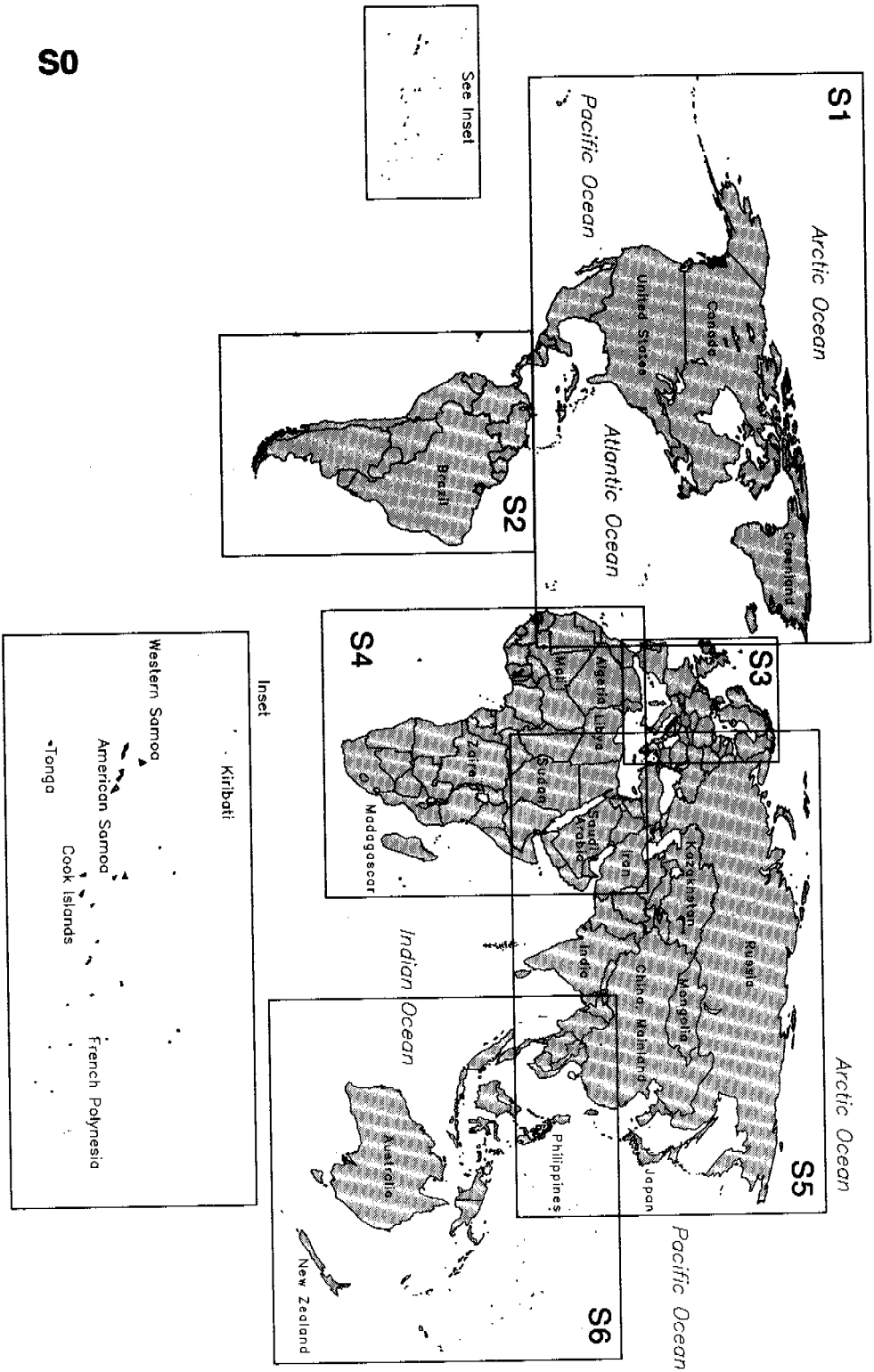
(3) Figures shown in this section for the United States may not always agree with figures shown in the preceding sections. Disagreements may be attributable to the use of differing original sources, a difference in the definition of geographic limits (the 50 States, conterminous United States only, or the United States including certain outlying areas and possessions), or to possible adjustments made in the U.S. figures by the United Nations or other sources in order to make them more comparable with figures from other countries.

International comparisons of national accounts data.—In order to compare national accounts data for different countries, it is necessary to convert each country's data into a common unit of currency, usually the U.S. dollar. The market exchange rates which are often used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. For example, using table 1387, it should not be concluded that the United Kingdom's individual standard of living in 1990 was only 78 percent of that of the United States, as the statistics may imply. It is obviously necessary that the goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (see table 1392) instead of exchange rates is intended to achieve this objective.

The method used to present the data shown in table 1392 is to construct volume measures directly by revaluing the goods and services sold in different countries at a common set of international prices. By dividing the ratio of the gross domestic products of two countries expressed in their own national currencies by the corresponding ratio calculated at constant international prices, it is possible to derive the implied purchasing power parity (PPP) between the two currencies concerned. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further information, see *National Accounts, Main Aggregates,* volume I, issued annually by the Organization for Economic Cooperation and Development, Paris, France.

International Standard Industrial Classification.—The original version of the International Standard Industrial Classification of All Economic Activities (ISIC) was adopted in 1948. Wide use has been made both nationally and internationally in classifying data according to kind of economic activity in the fields of production, employment, national income, and other economic statistics. A number of countries have utilized the ISIC as the basis for devising their industrial classification scheme. Substantial comparability has been attained between the industrial classifications of many other countries, including the United States, and the ISIC by ensuring, as far as practicable, that the categories at detailed levels of classification in national schemes fitted into only one category of the ISIC. For more detail, see Bureau of the Census, *The International Standard Industrial Classification and the U.S. Standard Industrial Classification,* Technical Paper No. 14 and text, section 27. The United Nations, the International Labour Organization, the Food and Agriculture Organization, and other international bodies have utilized the ISIC in publishing and analyzing statistical data. Revisions of the ISIC were issued in 1958, 1968, and 1989.

International maps. A series of regional world maps is provided on pages 832–838. References are included in table 1374 for easy location of individual countries on the maps. The Robinson map projection is used for this series of maps. A map projection is used to portray all or part of the round Earth on a flat surface, but this cannot be done without some distortion. For the Robinson projection, distortion is very low along the Equator and within 45 degrees of the center but is greatest near the poles. For additional information on map projections and maps, please contact the Earth Science Information Center, U.S. Geological Survey, 507 National Center, Reston, VA 22092.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S2
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S4
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Algeria
Libya
Zaire
Sudan
Saudi Arabia
Madagascar
Iran
Kazakhstan
Russia
Mongolia
China, Mainland
India
Japan
Philippines
Indian Ocean
Australia
New Zealand
S5
Arctic Ocean
S6
Pacific Ocean
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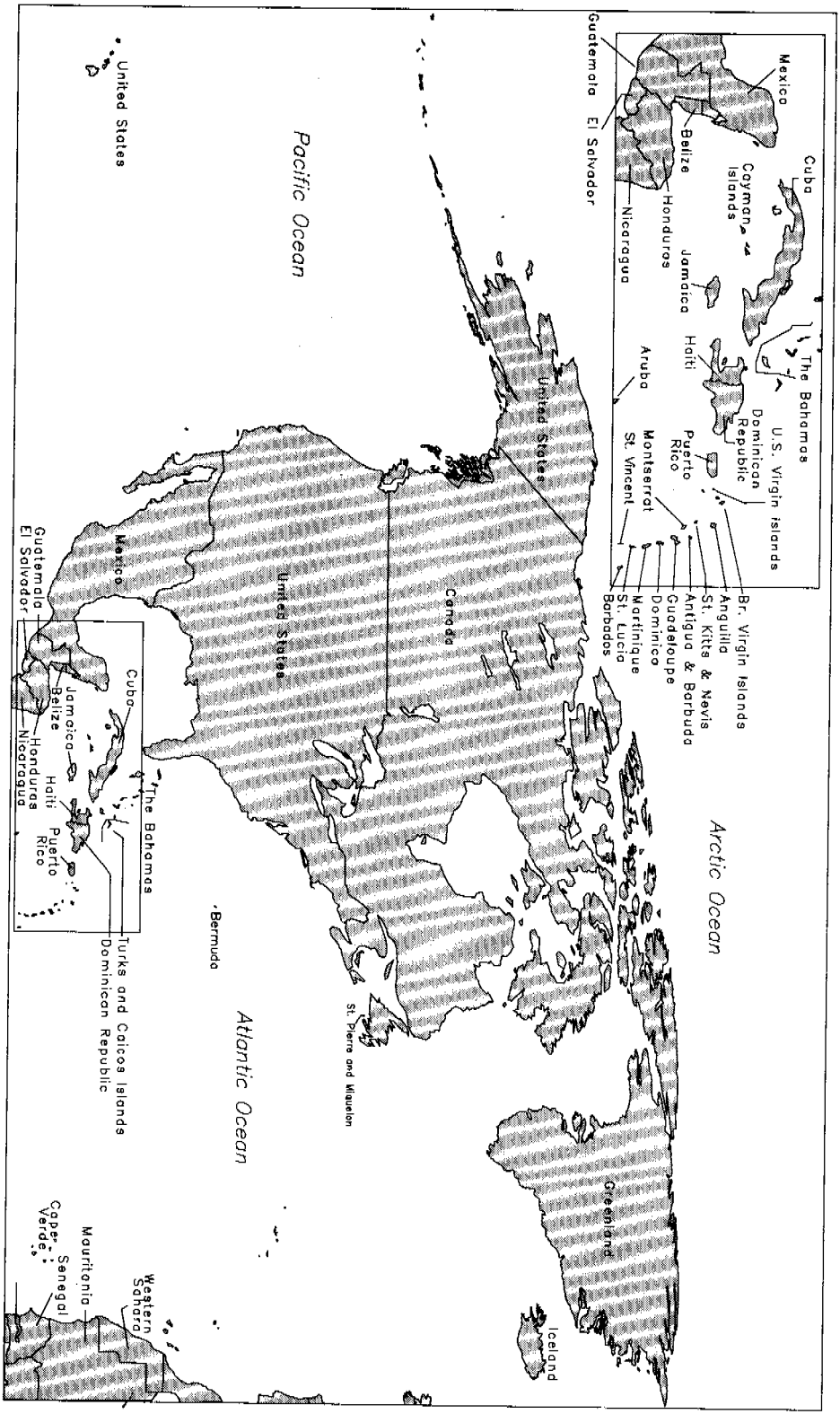
Kiribati
Western Samoa
American Samoa
Tonga
Cook Islands
French Polynesia

S1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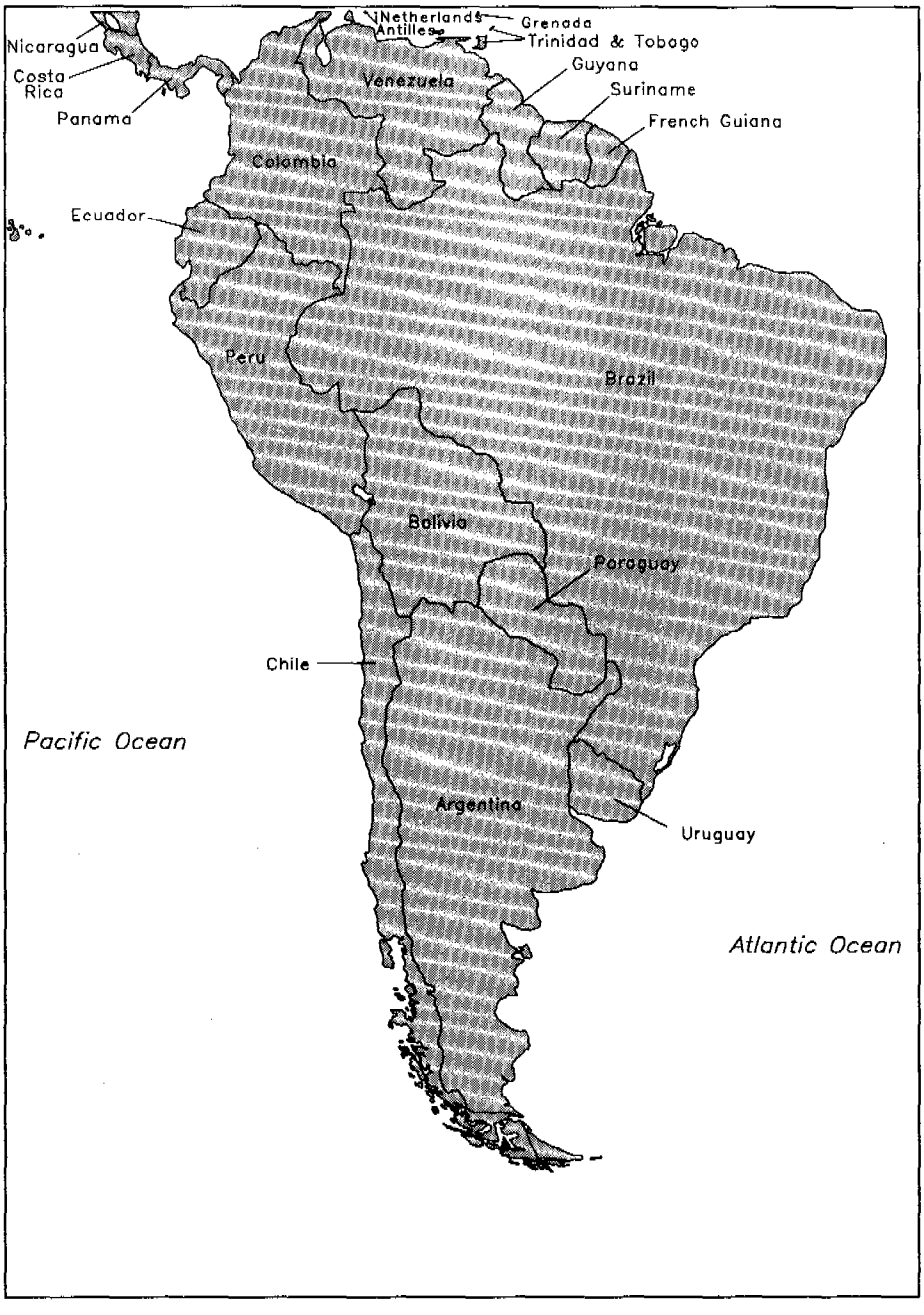
Nicaragua
Guatemala
El Salvador
The Bahamas
U.S. Virgin Islands
Dominican Republic
Haiti
Puerto Rico
Aruba
Montserrat
St. Vincent
Br. Virgin Islands
Anguilla
St. Kitts & Nevis
Antigua & Barbuda
Guadeloupe
Dominica
Martinique
St. Lucia
Barbados
United States
Canada
Pacific Ocean
Arctic Ocean
Atlantic Ocean
Bermuda
St. Pierre and Miquelon
Greenland
Iceland
Turks and Caicos Islands
Dominican Republic
Western Sahara
Mauritania
Senegal
Cape Verde

S2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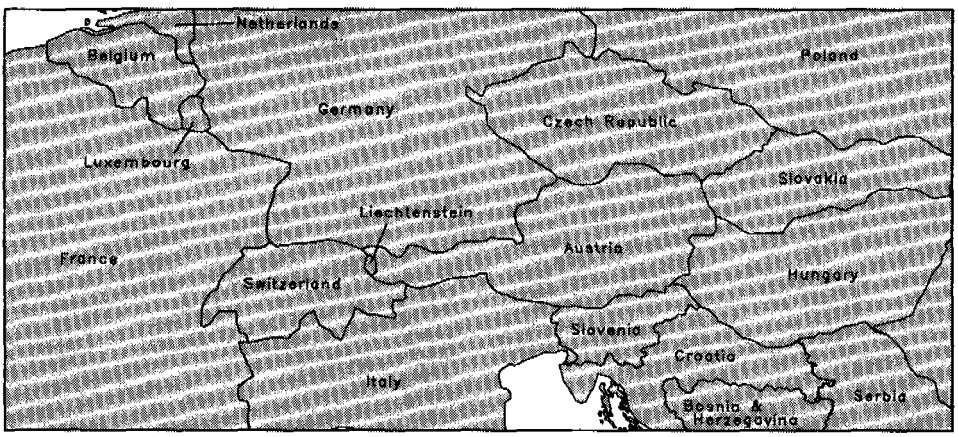
Panama
Netherlands Antilles
Grenada
Trinidad & Tobago
Guyana
Suriname
French Guiana
Venezuela
Colombia
Ecuador
Peru
Brazil
Bolivia
Paraguay
Chile
Pacific Ocean
Argentina
Uruguay
Atlantic Ocean

Arctic Ocean
Russia
Finland
Sweden
Norway
Faroe Islands
Estonia
Russia
Latvia
Denmark
Lithuania
Russia
Netherlands
Ireland
Germany
Poland
Belarus
United Kingdom
Isle of Man
Ukraine
Guernsey
Jersey
France
Romania
San Marino
Serbia
Monaco
Andorra
Italy
Bulgaria
Spain
Albania
Macedonia
Portugal
Gibraltar
Greece
Atlantic Ocean

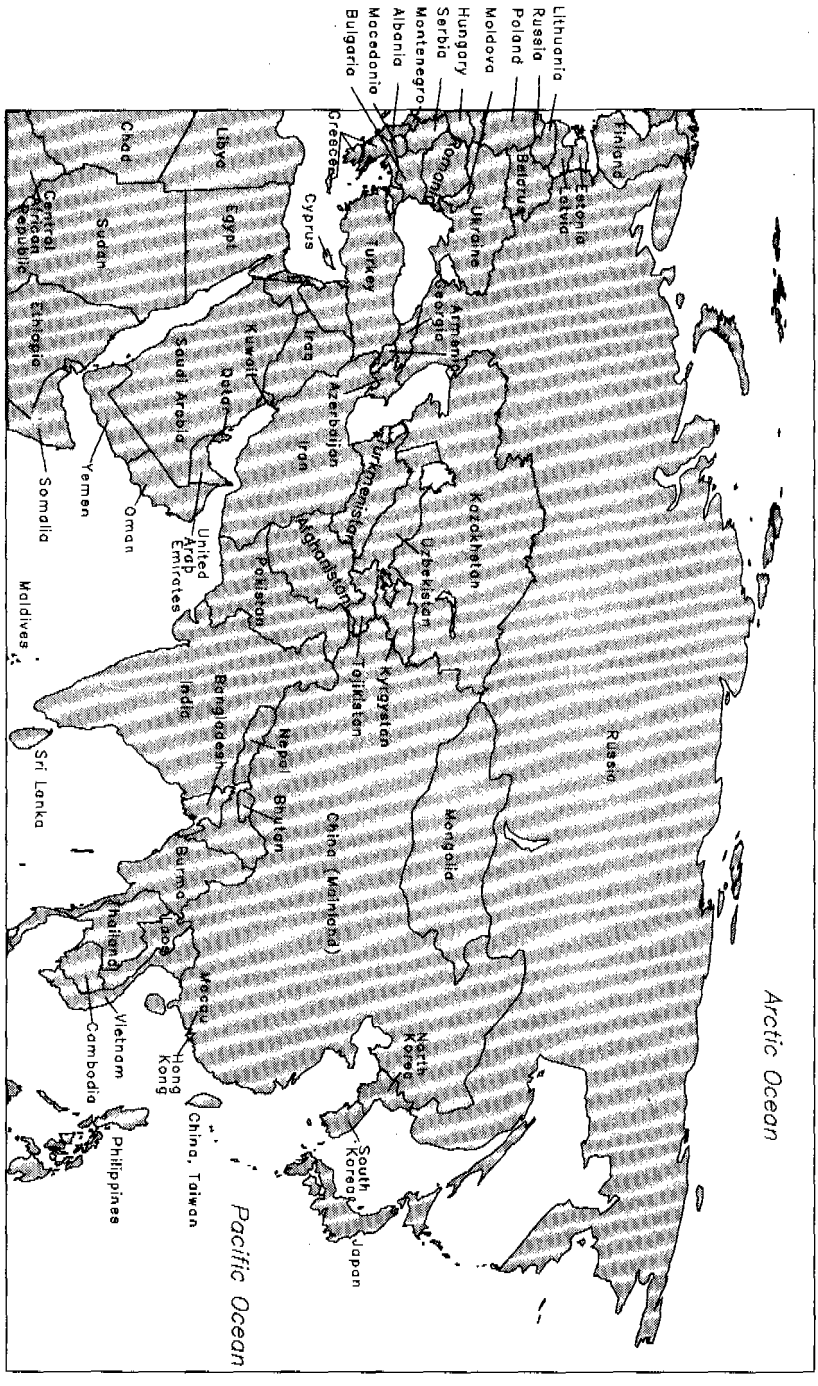


S4

Spain
Morocco
Western Sahara
Tunisia
Algeria
Libya
Malta
Greece
Cyprus
Syria
Lebanon
West Bank
Gaza Strip
Israel
Jordan
Iraq
Iran
United Arab Emirates
Kuwait
Bahrain
Qatar
Saudi Arabia
Egypt
Mauritania
Mali
Niger
Chad
Sudan
Oman
Yemen
Djibouti
Ethiopia
Nigeria
Cameroon
Central African Republic
Somalia
Sao Tome & Principe
Uganda
Kenya
Gabon
Congo
Rwanda
Zaire
Burundi
Equatorial Guinea
Indian Ocean
Tanzania
Seychelles
Comoros
Angola
Malawi
Zambia
Mayotte
St. Helena
Zimbabwe
Mozambique
Mauritius
Namibia
Botswana
Reunion
Atlantic Ocean
Madagascar
Swaziland
South Africa
Lesotho

Mauritania
Senegal
The Gambia
Guinea-Bissau
Mali
Niger
Burkina
Guinea
Benin
Sierra Leone
Cote d' Ivoire
Nigeria
Ghana
Liberia
Togo

S5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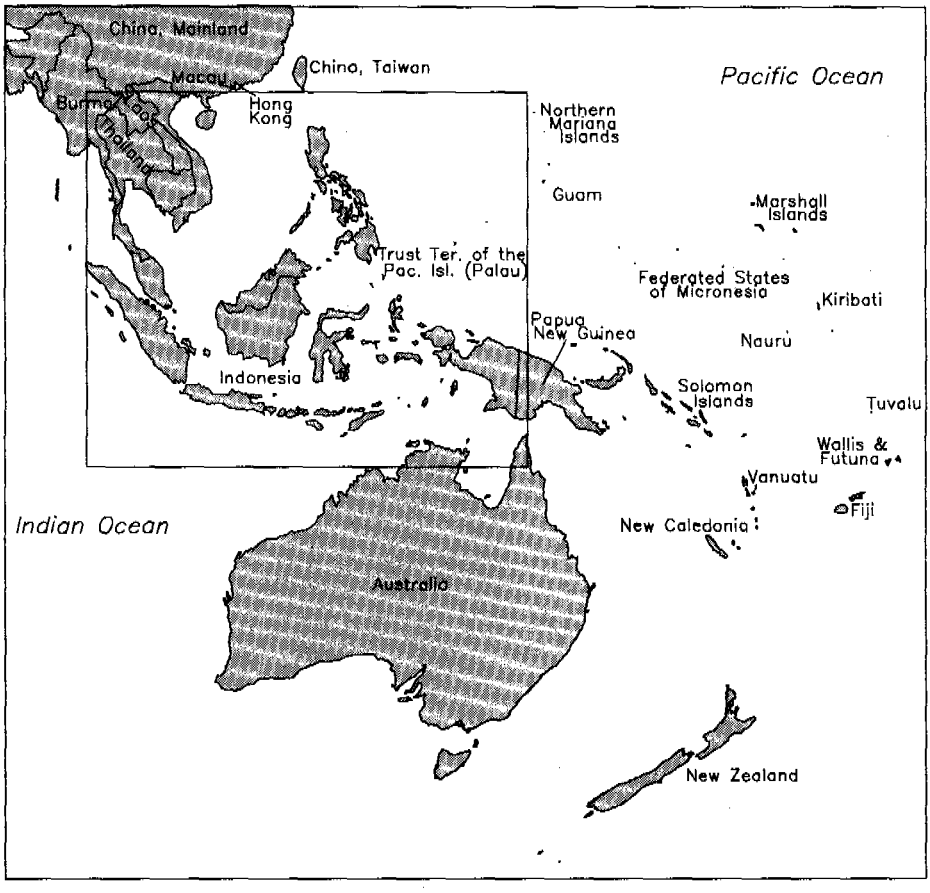
Pacific Ocean
Russia
Finland
Estonia
Latvia
Lithuania
Russia
Belarus
Poland
Moldova
Ukraine
Romania
Hungary
Serbia
Montenegro
Albania
Macedonia
Bulgaria
Greece
Cyprus
Turkey
Georgia
Armenia
Azerbaijan
Iran
Kazakhstan
Uzbekistan
Turkmenistan
Afghanistan
Kyrgyzstan
Tajikistan
Mongolia
China (Mainland)
North Korea
South Korea
Japan
Pakistan
Nepal
Bhutan
India
Bangladesh
Burma
Laos
Thailand
Vietnam
Cambodia
Hong Kong
Macau
China, Taiwan
Philippines
Sri Lanka
Maldives
Libya
Egypt
Kuwait
Qatar
Saudi Arabia
United Arab Emirates
Oman
Yemen
Chad
Sudan
Ethiopia
Central African Republic
Somalia

S6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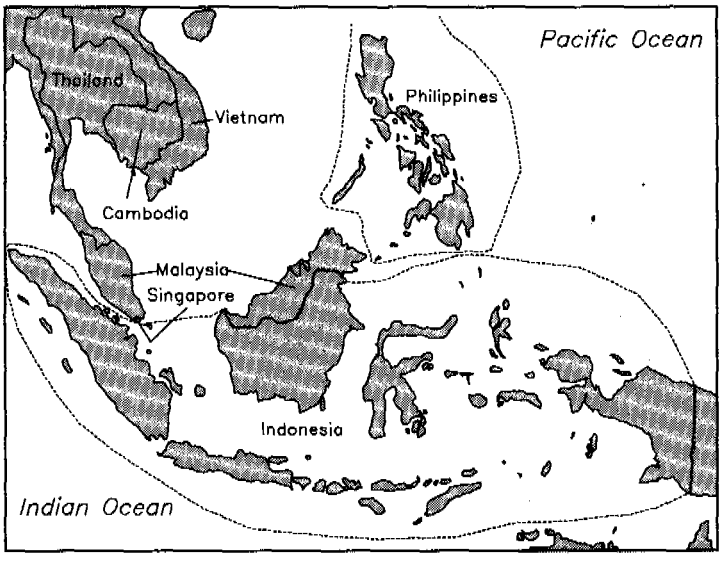
Macau
China, Taiwan
Hong Kong
Burma
Laos
Thailand
Pacific Ocean
Northern Mariana Islands
Guam
Marshall Islands
Trust Ter. of the Pac. Isl. (Palau)
Federated States of Micronesia
Kiribati
Papua New Guinea
Nauru
Indonesia
Solomon Islands
Tuvalu
Wallis & Futuna
Vanuatu
Fiji
Indian Ocean
New Caledonia
Australia
New Zealand


Pacific Ocean
Thailand
Philippines
Vietnam
Cambodia
Malaysia
Singapore
Indonesia
Indian Ocean

No. 1372. World Summary: 1970 to 1990

[See text, section 31, for general comments concerning quality of the data]

ITEM	Unit	1970	1980	1983	1984	1985	1986	1987	1988	1989	1990
Population	Millions	3,702	4,450	4,686	4,768	4,852	4,937	5,024	5,113	5,203	5,293
Agriculture, forestry, and fishing production: [1]											
Barley	Mil. metric tons	121.7	159.8	161.6	172.1	176.0	181.9	180.4	167.1	167.5	181.9
Coffee	Mil. metric tons	3.9	4.9	5.6	5.2	5.9	5.3	6.5	5.8	6.1	6.3
Corn	Mil. metric tons	266.4	397.5	348.5	452.0	487.0	478.0	450.9	400.2	474.1	479.3
Cotton (lint)	Mil. metric tons	12.0	13.8	14.3	18.2	17.4	15.2	16.6	18.3	17.1	18.4
Meats	Mil. metric tons	100.6	136.0	143.9	147.7	152.9	157.3	162.6	169.1	171.9	176.6
Peanuts (groundnuts)	Mil. metric tons	18.0	16.9	19.0	19.9	20.8	21.4	21.6	25.4	23.1	23.4
Rice	Mil. metric tons	316.7	399.4	451.6	468.6	471.6	471.4	464.4	491.0	517.3	521.7
Tobacco	Mil. metric tons	4.6	5.3	6.0	6.5	7.0	6.1	6.2	6.9	7.1	7.1
Wheat	Mil. metric tons	316.6	445.9	493.1	516.0	504.6	535.0	511.0	506.8	542.7	601.7
Wool, greasy	Mil. metric tons	2.9	2.8	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3
Roundwood	Mil. cubic meters	2,614	2,942	3,048	3,163	3,200	3,305	3,372	3,426	3,456	3,450
Fish catches	Mil. metric tons	68.0	72.0	77.5	83.9	86.4	92.8	94.4	99.1	100.3	97.3
Industrial production:											
Wine [1]	Mil. metric tons	30.2	35.2	34.8	32.1	29.4	32.0	31.8	27.1	28.4	29.0
Sugar [1]	Mil. metric tons	72.5	84.3	97.5	99.7	98.6	100.9	101.9	103.9	105.5	110.8
Wheat flour	Mil. metric tons	121.2	167.2	197.3	202.8	206.7	211.3	200.7	205.4	203.2	203.4
Coal	Mil. metric tons	2,143	2,728	2,831	2,999	3,161	3,249	3,411	3,488	3,562	3,564
Lignite and brown coal	Mil. metric tons	793	1,042	1,130	1,153	1,202	1,219	1,250	1,261	1,274	1,219
Crude petroleum [2]	Bil. bbl.	16.74	21.66	19.33	19.78	19.58	20.39	20.55	21.35	21.74	22.03
Natural gas (dry) [2]	Tril. cu. ft	37.54	53.11	54.56	59.66	62.00	63.25	66.17	69.57	71.99	74.27
Electricity	Bil. kWh.	4,962	8,247	8,826	9,326	9,747	10,055	10,587	11,059	11,450	11,734
Iron ore	Mil. metric tons	421	841	740	829	862	868	890	916	920	921
Pig iron and ferroalloys	Mil. metric tons	440	542	466	500	507	496	503	504	506	505
Tin [3]	1,000 metric tons	184	231	195	196	196	191	194	210	210	211
Crude steel	Mil. metric tons	594	699	638	679	685	671	682	685	676	685
Cement	Mil. metric tons	570	872	906	933	949	997	1,045	1,109	1,137	1,140
Non-cellulosic fibers [3]	Mil. metric tons	4.9	10.0	10.4	11.0	11.5	11.7	12.4	13.0	13.2	11.8
Sawnwood	Mil. cubic meters	413	447	438	458	465	480	502	503	499	483
Woodpulp	Mil. metric tons	97.2	124.4	124.0	131.3	133.1	136.6	142.0	148.2	150.1	150.3
Newsprint	Mil. metric tons	21.6	25.4	2.6	27.8	28.3	29.3	30.6	3.2	32.3	33.1
Merchant vessels, launched	Mil. gross tons	21.7	13.9	14.9	17.7	17.3	14.9	9.6	11.8	12.7	14.7
Motor vehicles	Millions	29.3	38.9	39.0	41.9	44.8	45.3	45.9	48.1	48.9	48.1
External trade:											
Imports, c.i.f	Bil. U.S. dollars	331	2,047	1,875	1,985	2,028	2,198	2,544	2,908	3,133	3,547
Exports, f.o.b	Bil. U.S. dollars	314	1,998	1,807	1,903	1,927	2,121	2,465	2,814	3,013	3,482
Transport:											
Railway freight	Bil. metric ton-km	5,027	6,754	6,855	7,138	7,285	(NA)	(NA)	(NA)	(NA)	(NA)
Merchant shipping, freight [4]	Mil. metric tons	(NA)	3,676	3,290	3,410	3,362	3,459	3,506	3,692	3,891	(NA)
Civil aviation, kilometers flown [5]	Millions	4,353	9,362	9,320	9,950	10,565	11,455	12,208	13,026	13,564	14,339

NA Not available. [1] Source: U.S. Department of Agriculture, Economic Research Service, *World Agriculture-Trends and Indicators*. [2] Source: U.S. Energy Information Administration, *International Energy Annual* and *Annual Energy Review*. [3] Excludes China: Mainland. Tin and merchant vessels exclude Soviet Republics. For other exclusions, see source. [4] Freight loaded. [5] Scheduled services of members of International Civil Aviation Organization. Excludes Soviet Republics.

Source: Except as noted, Statistical Division of the United Nations, New York, NY, *Monthly Bulletin of Statistics*, (copyright).

No. 1373. U.S. Population Abroad, by Selected Area: 1993

[**In thousands.** As of **October 15, 1992.** Data taken from the annual noncombatant personnel evacuation requirements report, which is used solely to estimate the number of potential U.S. citizen evacuees from a given country in a crisis]

AREA	Resident U.S. citizens [1]	U.S. tourists	AREA	Resident U.S. citizens [1]	U.S. tourists
Argentina	13	11	Italy	104	105
Australia	62	56	Jerusalem	43	20
Canada	296	495	Mexico	539	1,088
Costa Rica	23	21	Netherlands	19	11
Dominican Republic	97	36	Panama	36	2
Egypt	17	11	Portugal	26	28
France	59	89	Saudi Arabia	40	6
Germany	354	1,060	South Korea	30	2
Greece	32	60	Spain	79	155
Hong Kong	24	23	Switzerland	27	29
Ireland	46	86	United Kingdom	255	377
Israel	112	61	Venezuela	24	2

[1] Totals represent broad estimates and may include some non-U.S. citizens, as well as dual nationals.

Source: U.S. Dept. of State, unpublished data.

356-918 O - 93 - 28 : QL 3

No. 1374. Population, by Country, 1980, 1990, and 1993, and Projections, 2000

[Population data generally are de facto figures for the present territory. Population estimates were derived from information available as of early 1993. See text, section 31, for general comments concerning the data. For details of methodology, coverage, and reliability, see source. Minus sign (-) indicates decrease]

COUNTRY OR AREA	Map reference	MIDYEAR POPULATION (1,000)				Population rank, 1993	ANNUAL RATE OF GROWTH [1] (percent)		Population per sq. mile, 1993
		1980	1990	1993	2000, proj.		1980-1990	1990-2000	
World total	S0	4,456,240	5,292,852	5,554,552	6,165,485	(X)	1.7	1.5	110
Afghanistan	S5	14,985	15,332	16,494	25,725	53	0.2	5.2	66
Albania	S3	2,673	3,249	3,334	3,610	125	2.0	1.1	315
Algeria	S4	18,862	25,352	27,256	31,743	37	3.0	2.2	30
Andorra	S3	34	53	62	73	203	4.5	3.3	356
Angola	S4	6,794	8,430	9,545	11,513	76	2.2	3.1	20
Antigua and Barbuda	S1	69	64	64	68	201	-0.7	0.7	379
Argentina	S2	28,237	32,386	33,533	36,202	31	1.4	1.1	32
Armenia	S5	3,115	3,363	3,481	3,685	123	0.8	0.9	303
Aruba	S1	60	64	65	68	200	0.6	0.6	874
Australia	S6	14,616	17,071	17,827	19,386	49	1.6	1.3	6
Austria	S3	7,549	7,718	7,915	8,108	85	0.2	0.5	248
Azerbaijan	S5	6,173	7,216	7,573	8,243	87	1.6	1.3	227
Bahamas, The	S1	210	255	269	298	174	2.0	1.5	69
Bahrain	S4	348	518	568	687	160	4.0	2.8	2,379
Bangladesh	S5	88,077	114,023	122,255	143,548	9	2.6	2.3	2,365
Barbados	S1	252	254	255	260	176	0.1	0.2	1,538
Belarus	S3	9,644	10,248	10,370	10,576	69	0.6	0.3	129
Belgium	S3	9,847	9,962	10,041	10,144	71	0.1	0.2	860
Belize	S1	144	190	204	242	180	2.7	2.4	23
Benin	S4	3,444	4,676	5,167	6,517	102	3.1	3.3	121
Bhutan	S5	1,281	1,585	1,699	1,996	141	2.1	2.3	94
Bolivia	S2	5,470	7,029	7,544	8,801	88	2.5	2.2	18
Bosnia and Herzegovina	S3	4,092	4,517	4,619	4,828	109	1.0	0.7	234
Botswana	S4	903	1,224	1,326	1,554	147	3.0	2.4	6
Brazil	S2	122,830	150,062	156,664	169,543	5	2.0	1.2	48
Brunei	S6	185	254	277	331	173	3.2	2.6	136
Bulgaria	S3	8,844	8,966	8,831	8,742	79	0.1	-0.3	207
Burkina	S4	6,939	9,042	9,853	11,871	74	2.6	2.7	93
Burma	S5	33,578	41,044	43,456	49,300	25	2.0	1.8	171
Burundi	S4	4,138	5,558	5,985	6,939	93	3.0	2.2	604
Cambodia	S5	6,499	8,731	9,899	12,098	73	3.0	3.3	145
Cameroon	S4	8,756	11,697	12,756	15,677	60	2.9	2.9	70
Canada	S1	24,070	26,620	27,770	29,867	34	1.0	1.2	8
Cape Verde	S1	296	375	411	503	166	2.4	2.9	264
Central African Republic	S4	2,269	2,866	3,074	3,511	128	2.3	2.0	13
Chad	S4	4,024	5,024	5,351	6,221	99	2.2	2.1	11
Chile	S2	11,094	13,108	13,740	15,207	58	1.7	1.5	48
China: Mainland	S5	984,736	1,136,626	1,177,585	1,260,154	1	1.4	1.0	327
Taiwan	S5	17,848	20,436	21,092	22,448	42	1.4	0.9	1,693
Colombia	S2	26,580	32,983	34,943	39,172	30	2.2	1.7	87
Comoros	S4	334	460	512	656	161	3.2	3.5	611
Congo	S4	1,620	2,215	2,389	2,784	135	3.1	2.3	18
Costa Rica	S2	2,307	3,031	3,265	3,797	126	2.7	2.3	167
Cote d'Ivoire	S4	8,418	12,399	13,808	17,371	57	3.9	3.4	112
Croatia	S3	4,593	4,686	4,694	4,717	107	0.2	0.1	215
Cuba	S1	9,653	10,622	10,957	11,617	61	1.0	0.9	256
Cyprus	S5	627	702	723	768	156	1.1	0.9	203
Czech Republic	S3	10,289	10,363	10,389	10,607	68	0.1	0.2	341
Denmark	S3	5,123	5,141	5,176	5,255	100	(Z)	0.2	316
Djibouti	S4	279	370	402	454	167	2.8	2.0	47
Dominica	S1	75	83	87	95	195	1.0	1.3	298
Dominican Republic	S1	5,847	7,249	7,684	8,644	86	2.2	1.8	411
Ecuador	S2	8,123	9,806	10,461	11,945	66	1.9	2.0	98
Egypt	S4	41,663	53,993	58,016	67,542	19	2.6	2.2	151
El Salvador	S1	4,655	5,303	5,637	6,459	95	1.3	2.0	705
Equatorial Guinea	S4	256	369	399	478	168	3.7	2.6	37
Eritrea [2]	S4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Estonia	S3	1,482	1,583	1,608	1,670	144	0.7	0.5	92
Ethiopia	S4	38,967	51,507	56,746	70,340	22	2.8	3.1	133
Fiji	S6	635	738	757	823	154	1.5	1.1	107
Finland	S3	4,780	4,986	5,051	5,153	104	0.4	0.3	43
France	S3	53,870	56,720	57,566	59,354	21	0.5	0.5	273
Gabon	S4	808	1,078	1,123	1,244	149	2.9	1.4	11
Gambia, The	S4	644	848	930	1,154	152	2.8	3.1	241
Georgia	S5	5,048	5,484	5,634	5,925	96	0.8	0.8	209
Germany	S3	78,298	79,357	80,768	82,239	12	0.1	0.4	597
Ghana	S4	10,777	15,195	16,699	20,608	52	3.4	3.0	188
Greece	S3	9,643	10,123	10,470	10,878	65	0.5	0.7	207
Grenada	S2	90	94	94	98	193	0.4	0.4	717
Guatemala	S1	7,232	9,633	10,446	12,408	67	2.9	2.5	250
Guinea	S4	4,320	5,930	6,237	7,372	92	3.2	2.2	66
Guinea-Bissau	S4	789	998	1,072	1,263	151	2.3	2.4	99
Guyana	S2	759	748	735	710	155	-0.2	-0.5	10
Haiti	S1	5,473	6,052	6,385	7,102	91	1.0	1.6	600
Honduras	S1	3,625	4,741	5,170	6,192	101	2.7	2.7	120
Hungary	S3	10,711	10,365	10,324	10,372	70	-0.3	(Z)	290
Iceland	S1	228	255	261	277	175	1.1	0.8	7
India	S5	692,394	852,656	903,159	1,018,105	2	2.1	1.8	787

See footnotes at end of table.

No. 1374. Population, by Country, 1980, 1990, and 1993, and Projections, 2000—Continued

[See headnote, page 840]

COUNTRY OR AREA	Map reference	MIDYEAR POPULATION (1,000)				Population rank, 1993	ANNUAL RATE OF GROWTH [1] (percent)		Population per sq. mile, 1993
		1980	1990	1993	2000, proj.		1980-1990	1990-2000	
Indonesia	S6	154,936	187,728	197,232	219,496	4	1.9	1.6	280
Iran	S5	38,810	57,003	63,370	78,347	15	3.8	3.2	100
Iraq	S5	13,233	18,425	19,162	24,731	46	3.3	2.9	114
Ireland	S3	3,401	3,508	3,530	3,627	122	0.3	0.3	133
Israel	S4	3,737	4,303	4,919	5,507	105	1.4	2.5	627
Italy	S3	56,451	57,661	58,019	58,865	18	0.2	0.2	511
Jamaica	S1	2,229	2,466	2,530	2,746	134	1.0	1.1	605
Japan	S5	116,807	123,540	124,712	127,554	8	0.6	0.3	818
Jordan	S4	2,165	3,305	3,824	4,814	118	4.2	3.8	108
Kazakhstan	S5	14,994	16,749	17,156	17,886	51	1.1	0.7	16
Kenya	S4	16,681	24,229	27,372	32,479	35	3.7	2.9	125
Kiribati	S6	58	72	76	87	197	2.1	1.9	276
Kuwait	S5	1,370	2,117	1,698	2,494	142	4.4	1.6	247
Kyrgyzstan	S5	3,623	4,392	4,626	5,119	108	1.9	1.5	60
Laos	S5	3,293	4,191	4,569	5,557	110	2.4	2.8	51
Latvia	S3	2,525	2,693	2,736	2,833	131	0.6	0.5	110
Lebanon	S4	3,137	3,367	3,552	4,115	121	0.7	2.0	899
Lesotho	S4	1,347	1,755	1,896	2,242	140	2.6	2.4	162
Liberia	S4	1,900	2,311	2,875	3,620	129	2.0	4.5	77
Libya	S4	3,119	4,355	4,873	6,294	106	3.3	3.7	7
Liechtenstein	S3	25	29	30	32	214	1.3	1.2	481
Lithuania	S5	3,436	3,727	3,820	4,007	119	0.8	0.7	152
Luxembourg	S3	364	382	398	415	169	0.5	0.8	399
Madagascar	S4	8,700	11,811	13,006	16,232	59	3.1	3.2	58
Malawi	S4	6,128	9,289	9,832	11,045	75	4.2	1.7	271
Malaysia	S6	13,764	17,556	18,845	21,953	47	2.4	2.2	149
Maldives	S5	154	218	243	310	177	3.5	3.5	2,099
Mali	S4	6,693	8,234	8,869	10,911	78	2.1	2.8	19
Malta	S4	364	354	364	382	172	−0.3	0.8	2,935
Mauritania	S4	1,456	1,935	2,125	2,653	138	2.8	3.2	5
Mauritius	S4	964	1,074	1,107	1,194	150	1.1	1.1	1,550
Mexico	S1	68,686	85,121	90,420	102,912	11	2.1	1.9	122
Moldova	S5	3,996	4,389	4,456	4,565	112	0.9	0.4	342
Monaco	S3	27	30	31	32	212	1.2	0.7	40,155
Mongolia	S5	1,662	2,186	2,367	2,826	136	2.7	2.6	4
Morocco	S4	20,457	26,164	27,955	32,189	33	2.5	2.1	162
Mozambique	S4	12,103	14,438	16,342	20,868	54	1.8	3.7	54
Namibia	S4	967	1,387	1,541	1,957	145	3.6	3.4	5
Nauru	S6	8	9	10	11	222	2.0	1.3	1,219
Nepal	S5	15,001	19,104	20,535	24,364	43	2.4	2.4	389
Netherlands	S3	14,144	14,952	15,275	15,801	55	0.6	0.6	1,166
New Zealand	S6	3,113	3,300	3,369	3,476	124	0.6	0.5	32
Nicaragua	S2	2,776	3,617	3,987	4,759	116	2.6	2.7	86
Niger	S4	5,563	7,521	8,337	10,651	83	3.0	3.5	17
Nigeria	S4	65,699	86,551	95,060	118,620	10	2.8	3.2	270
North Korea	S5	17,999	21,412	22,646	25,491	40	1.7	1.7	487
Norway	S3	4,086	4,242	4,297	4,387	113	0.4	0.3	36
Oman	S5	984	1,481	1,644	2,098	143	4.1	3.5	20
Pakistan	S5	85,219	114,842	125,214	148,540	7	3.0	2.6	416
Panama	S2	1,956	2,427	2,579	2,934	133	2.2	1.9	88
Papua New Guinea	S6	2,991	3,823	4,101	4,812	115	2.5	2.3	24
Paraguay	S2	3,379	4,651	5,071	6,104	103	3.2	2.7	33
Peru	S2	17,295	21,879	23,210	26,258	38	2.4	1.8	47
Philippines	S6	50,864	64,405	68,464	77,747	14	2.4	1.9	595
Poland	S3	35,578	38,112	38,519	39,531	29	0.7	0.4	328
Portugal	S3	9,778	10,365	10,486	10,744	64	0.6	0.4	296
Qatar	S5	231	452	499	572	162	6.7	2.4	118
Romania	S5	22,201	23,191	23,172	23,383	39	0.4	0.1	261
Russia	S5	139,045	148,124	149,300	151,460	6	0.6	0.2	23
Rwanda	S4	5,170	7,415	8,139	9,715	84	3.6	2.7	845
Saint Kitts and Nevis	S1	44	40	40	43	210	−1.0	0.8	291
Saint Lucia	S1	122	142	144	151	186	1.5	0.6	612
Saint Vincent and the Grenadines	S1	98	112	115	122	190	1.4	0.8	875
San Marino	S3	21	23	24	25	215	0.8	0.9	1,030
Sao Tome and Principe	S4	94	123	133	159	188	2.7	2.6	359
Saudi Arabia	S4	10,139	16,271	17,615	22,070	50	4.7	3.0	21
Senegal	S4	5,731	7,715	8,463	10,533	82	3.0	3.1	114
Seychelles	S4	65	70	71	75	198	0.6	0.8	406
Sierra Leone	S4	3,315	4,230	4,511	5,421	111	2.4	2.5	163
Singapore	S6	2,414	2,720	2,826	3,025	130	1.2	1.1	11,731
Slovakia	S3	4,966	5,298	5,376	5,585	98	0.6	0.5	284
Slovenia	S3	1,885	1,954	1,968	1,998	139	0.4	0.2	252
Solomon Islands	S6	233	336	373	470	171	3.7	3.4	35
Somalia	S4	5,799	6,753	6,515	9,176	90	1.5	3.1	27
South Africa	S4	30,270	39,535	42,793	51,334	26	2.7	2.6	91
South Korea	S5	38,124	43,237	44,614	47,861	24	1.3	1.0	1,177
Spain	S3	37,488	38,964	39,207	39,972	28	0.4	0.3	203
Sri Lanka	S5	14,900	17,208	17,838	19,146	48	1.4	1.1	714
Sudan	S4	19,064	26,542	28,730	35,236	32	3.3	2.8	31
Suriname	S2	355	398	416	465	165	1.2	1.6	7

See footnotes at end of table.

No. 1374. Population, by Country, 1980, 1990, and 1993, and Projections, 2000—Continued

[See headnote, page 840]

COUNTRY OR AREA	Map reference	MIDYEAR POPULATION (1,000)				Population rank, 1993	ANNUAL RATE OF GROWTH [1] (percent)		Population per sq. mile, 1993
		1980	1990	1993	2000, proj.		1980-1990	1990-2000	
Swaziland	S4	607	853	907	1,137	153	3.4	2.9	137
Sweden	S3	8,310	8,559	8,730	8,994	80	0.3	0.5	55
Switzerland	S3	6,385	6,779	6,987	7,268	89	0.6	0.7	455
Syria	S4	8,692	12,762	14,339	18,519	56	3.8	3.7	202
Tajikistan	S5	3,969	5,346	5,836	6,956	94	3.0	2.6	106
Tanzania	S4	18,695	25,155	27,286	32,254	36	3.0	2.5	80
Thailand	S5	47,026	56,220	58,722	63,620	17	1.8	1.2	297
Togo	S4	2,596	3,680	4,105	5,263	114	3.5	3.6	195
Tonga	S0	93	101	104	110	191	0.9	0.8	375
Trinidad and Tobago	S2	1,091	1,271	1,314	1,420	148	1.5	1.1	663
Tunisia	S4	6,452	8,084	8,571	9,599	81	2.3	1.7	143
Turkey	S5	45,121	57,130	60,898	69,624	16	2.4	2.0	205
Turkmenistan	S5	2,875	3,660	3,915	4,474	117	2.4	2.0	21
Tuvalu	S6	7	9	10	11	223	2.0	1.6	963
Uganda	S4	12,765	17,745	19,344	22,748	45	3.3	2.5	251
Ukraine	S5	50,047	51,674	51,821	51,931	23	0.3	-	222
United Arab Emirates	S5	1,000	2,252	2,657	3,582	132	8.1	4.6	82
United Kingdom	S3	56,314	57,418	57,970	58,951	20	0.2	0.3	621
United States	S1	227,726	249,924	258,104	275,327	3	0.9	1.0	73
Uruguay	S2	2,920	3,106	3,175	3,344	127	0.6	0.7	47
Uzbekistan	S5	16,000	20,615	22,128	25,467	41	2.5	2.1	128
Vanuatu	S6	117	154	166	193	184	2.8	2.2	29
Venezuela	S2	14,452	18,776	20,118	23,196	44	2.6	2.1	59
Vietnam	S5	54,234	67,718	71,788	80,533	13	2.2	1.7	571
Western Samoa	S0	155	186	200	235	181	1.8	2.3	182
Yemen	S5	7,324	9,746	10,742	13,603	63	2.9	3.3	53
Zaire	S4	27,954	37,903	41,346	51,413	27	3.0	3.0	47
Zambia	S4	5,638	8,233	8,926	10,625	77	3.8	2.6	31
Zimbabwe	S4	7,298	10,187	10,838	12,013	62	3.3	1.6	73
AREAS OF SPECIAL SOVEREIGNTY AND DEPENDENCIES									
American Samoa	S0	32	47	53	69	206	3.8	3.8	692
Anguilla	S1	7	7	7	7	224	0.5	0.7	199
Bermuda	S1	55	59	61	64	204	0.8	0.8	3,208
British Virgin Islands	S1	11	12	13	14	220	1.1	1.3	219
Cayman Islands	S1	17	27	30	41	213	4.4	4.3	303
Cook Islands	S0	18	18	19	20	216	0.1	1.1	203
Faroe Islands	S3	43	47	48	51	209	0.9	0.7	89
Federated States of Micronesia	S6	77	109	118	133	189	3.4	2.0	434
French Guiana	S2	68	116	133	173	187	5.4	4.0	4
French Polynesia	S0	151	196	210	245	178	2.6	2.2	149
Gaza Strip	S4	454	633	706	898	157	3.3	3.5	4,798
Gibraltar	S3	29	31	32	33	211	0.6	0.5	13,601
Greenland	S1	50	56	57	60	205	1.0	0.8	(Z)
Guadeloupe	S1	327	399	422	460	164	2.0	1.4	621
Guam	S6	107	134	146	171	185	2.3	2.4	699
Guernsey	S3	53	61	63	67	202	1.4	1.0	842
Hong Kong	S5	5,063	5,558	5,553	5,587	97	0.9	0.1	14,542
Isle of Man	S3	64	69	71	76	199	0.7	1.0	314
Jersey	S3	76	84	85	89	196	1.0	0.7	1,892
Macau	S6	318	456	478	516	163	3.6	1.2	77,352
Macedonia [3]	S3	1,893	2,132	2,194	2,324	137	1.2	0.9	221
Marshall Islands	S6	31	46	52	68	207	4.1	3.9	744
Martinique	S1	339	374	388	419	170	1.0	1.2	948
Mayotte	S4	52	80	90	117	194	4.3	3.8	620
Montenegro [3]	S5	579	645	661	696	158	1.1	0.8	124
Montserrat	S1	12	13	13	13	221	0.6	0.3	328
Netherlands Antilles	S2	170	183	185	193	182	0.8	0.5	499
New Caledonia	S6	139	168	178	200	183	1.9	1.7	25
Northern Mariana Islands	S6	17	44	49	57	208	9.7	2.6	264
Puerto Rico	S1	3,206	3,604	3,797	3,838	120	1.2	0.6	1,098
Reunion	S4	507	600	640	730	159	1.7	2.0	663
Saint Helena	S4	6	7	7	7	225	0.3	0.3	42
Saint Pierre and Miquelon	S1	6	6	7	7	226	0.8	0.8	71
Serbia [3]	S3	9,262	9,883	10,039	10,425	72	0.6	0.5	294
Trust Ter. of the Pac. Isl. (Palau)	S6	13	15	16	18	217	1.3	1.7	91
Turks and Caicos Islands	S1	7	12	13	15	219	4.5	2.7	79
Virgin Islands	S1	98	101	98	99	192	0.4	-0.2	726
Wallis and Futuna	S6	11	14	14	15	218	2.4	1.1	134
West Bank	S4	916	1,275	1,404	1,661	146	3.3	2.6	645
Western Sahara	S4	126	191	207	245	179	4.2	2.5	2

- Represents or rounds to zero. NA Not available. X Not applicable. Z Less than .05 percent or one person per square mile. [1] Computed by the exponential method. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Eritrea included in Ethiopia totals. [3] The U.S. view is that the Socialist Federal Republic of Yugoslavia has dissolved and no successor state represents its continuation. Macedonia has proclaimed independent statehood, but has not been recognized as a state by the United States. Serbia and Montenegro have asserted the formation of a joint independent state, but this entity has not been recognized by the United States.

Source: U.S. Bureau of the Census, International Data Base.

No. 1375. Population, by Age Group, 1993, and Projections, 2000

[In percent. Covers countries with 10 million or more population in 1993]

COUNTRY OR AREA	1993				2000			
	Under 5 years old	5 to 14 years old	15 to 64 years old	65 years old and over	Under 5 years old	5 to 14 years old	15 to 64 years old	65 years old and over
World total	11.4	20.5	61.8	6.3	10.6	20.0	62.7	6.8
Afghanistan	16.8	26.0	54.5	2.7	16.5	26.3	54.5	2.7
Algeria	14.1	27.7	54.5	3.6	12.5	23.9	59.6	3.9
Argentina	9.5	19.3	61.7	9.5	9.1	17.6	63.3	10.0
Australia	7.3	14.5	66.7	11.6	6.8	14.2	67.0	12.0
Bangladesh	14.8	26.5	55.7	3.0	14.1	23.8	59.1	3.1
Belarus	6.9	15.5	65.5	12.1	6.2	14.0	65.4	14.5
Belgium	6.0	12.0	66.4	15.6	5.4	11.8	65.6	17.2
Brazil	10.3	22.2	63.1	4.4	9.3	19.2	66.4	5.2
Burma	13.0	23.5	59.2	4.3	12.1	22.2	61.1	4.6
Cameroon	17.2	27.4	52.1	3.3	17.1	26.5	52.9	3.4
Canada	7.2	13.7	67.2	12.0	6.4	13.6	67.2	12.8
Chile	10.3	19.3	64.1	6.4	9.3	18.3	65.1	7.3
China: Mainland	9.3	17.6	67.2	5.9	7.7	17.3	68.2	6.8
Taiwan	8.0	17.4	67.6	7.0	7.2	14.6	69.8	8.4
Colombia	11.5	21.6	62.7	4.2	9.6	20.3	65.2	5.0
Cote d'Ivoire	19.3	28.0	50.6	2.0	18.7	29.2	49.9	2.3
Cuba	8.5	13.9	68.5	9.1	7.1	15.6	67.4	9.9
Czech Republic	6.3	13.7	67.2	12.8	6.7	12.4	67.4	13.4
Ecuador	12.7	24.4	58.7	4.1	10.9	22.0	62.5	4.5
Egypt	14.3	25.6	56.7	3.4	13.3	23.8	59.4	3.5
Ethiopia	18.5	27.1	51.5	2.8	17.9	27.9	51.4	2.8
France	6.6	12.6	65.5	15.2	6.2	12.8	64.5	16.4
Germany	5.5	10.8	68.5	15.2	5.2	11.1	67.2	16.5
Ghana	18.9	26.1	52.0	3.0	17.7	28.4	50.9	3.0
Greece	5.2	12.9	67.3	14.6	5.3	10.8	66.8	17.1
Guatemala	16.5	27.4	52.8	3.3	14.6	26.6	55.2	3.7
Hungary	6.0	12.7	67.4	13.9	6.4	11.9	66.8	14.9
India	13.0	22.6	60.5	3.9	11.5	21.8	62.3	4.4
Indonesia	11.3	22.4	63.0	3.3	10.5	19.7	65.6	4.3
Iran	18.7	28.1	49.7	3.6	17.5	28.3	50.3	3.9
Iraq	19.4	28.8	48.8	3.1	18.2	28.8	50.2	2.9
Italy	5.1	10.5	68.8	15.6	5.4	10.1	67.0	17.5
Japan	5.0	12.0	69.8	13.2	5.5	10.2	67.8	16.5
Kazakhstan	10.3	20.6	62.6	6.5	8.8	19.2	64.6	7.3
Kenya	18.8	29.8	49.2	2.2	16.9	29.3	51.4	2.4
Madagascar	19.1	27.7	50.0	3.2	18.3	28.3	50.4	3.0
Malaysia	13.6	23.1	59.5	3.8	12.4	23.0	60.6	4.0
Mexico	13.2	24.6	58.1	4.1	11.9	22.8	60.5	4.8
Morocco	13.6	25.6	56.6	4.2	12.1	23.3	60.1	4.6
Mozambique	18.1	26.8	52.6	2.5	17.4	27.4	52.6	2.6
Nepal	16.2	26.8	54.1	2.8	15.5	25.7	55.7	3.0
Netherlands	6.4	11.9	68.5	13.2	5.8	12.3	67.8	14.1
Nigeria	18.1	26.9	52.2	2.9	17.8	26.9	52.3	2.9
North Korea	11.1	18.4	66.6	3.9	10.2	19.2	65.9	4.7
Pakistan	17.5	26.4	52.1	4.0	16.8	26.9	52.5	3.9
Peru	12.3	24.0	59.8	3.9	10.8	21.3	63.4	4.5
Philippines	13.1	24.7	58.5	3.7	11.6	22.5	61.8	4.0
Poland	7.0	17.0	65.4	10.7	6.5	13.9	67.3	12.3
Portugal	5.7	13.5	67.1	13.8	5.8	11.5	67.7	15.1
Romania	6.9	15.2	66.5	11.3	6.6	13.8	65.9	13.6
Russia	6.8	15.8	66.3	11.2	6.1	14.0	67.2	12.6
Saudi Arabia	16.7	23.7	57.5	2.1	16.5	25.7	55.1	2.8
Serbia [1]	7.1	15.1	66.8	11.0	6.9	13.8	65.4	14.0
South Africa	15.2	24.6	56.2	4.0	14.7	24.7	56.5	4.1
South Korea	7.4	17.4	70.1	5.1	7.3	14.4	71.8	6.5
Spain	5.2	12.6	67.8	14.4	5.7	10.5	67.4	16.4
Sri Lanka	9.4	20.7	64.2	5.7	8.1	17.4	67.9	6.6
Sudan	18.2	28.0	51.5	2.2	16.9	27.7	53.1	2.3
Syria	19.4	29.0	48.8	2.8	18.4	29.1	49.7	2.8
Tanzania	18.5	28.3	50.3	2.8	18.1	28.6	50.5	2.8
Thailand	9.8	20.2	65.4	4.6	8.4	17.8	68.0	5.7
Turkey	12.5	23.0	59.5	5.0	11.0	21.5	61.8	5.8
Uganda	20.3	29.2	48.3	2.2	19.1	31.0	47.7	2.2
Ukraine	6.4	14.5	65.7	13.4	6.0	13.1	66.4	14.5
United Kingdom	6.8	12.7	64.7	15.8	6.2	13.2	64.7	15.9
United States	7.6	14.3	65.3	12.7	6.9	14.5	65.9	12.7
Uzbekistan	14.8	25.6	55.1	4.4	12.7	25.1	57.4	4.9
Venezuela	12.7	23.8	59.4	4.1	11.2	21.7	62.4	4.7
Vietnam	13.3	23.8	58.1	4.8	11.2	22.7	60.9	5.2
Yemen	20.2	28.9	48.2	2.6	20.0	29.5	47.9	2.6
Zaire	19.3	28.3	49.8	2.7	19.2	29.0	49.3	2.6
Zimbabwe	17.2	30.2	49.9	2.7	15.0	29.2	53.0	2.7

[1] The U.S. view is that the Socialist Federal Republic of Yugoslavia has dissolved and no successor state represents its continuation. Serbia and Montenegro have asserted the formation of a joint independent state, but this entity has not been recognized by the United States.

Source: U.S. Bureau of the Census, International Data Base.

No. 1376. Birth and Death Rates, and Other Vital Statistics, 1993, and Projections, 2000—Selected Countries

[Covers countries with 5 million or more population in 1993. AFR - Africa, EAS - East Asia, SAS - South Asia, CAR - Carribean, MAM - Middle America, SAM - South America, NAM - North America, EUR - Europe, SOV - Soviet republics, OCE - Oceania]

COUNTRY OR AREA	Region	CRUDE BIRTH RATE [1]		CRUDE DEATH RATE [2]		EXPECTATION OF LIFE AT BIRTH (years)		INFANT MORTALITY RATE [3]		TOTAL FERTILITY RATE [4]	
		1993	2000	1993	2000	1993	2000	1993	2000	1993	2000
United States	**NAM**	**15.5**	**14.1**	**8.7**	**8.8**	**75.8**	**76.4**	**8.4**	**6.6**	**2.05**	**2.07**
Afghanistan	SAS	43.8	41.6	19.3	16.6	44.4	47.8	158.9	137.5	6.34	5.87
Algeria	AFR	30.4	26.5	6.4	5.4	67.4	69.6	54.0	42.2	3.96	3.16
Angola	AFR	45.8	42.6	19.0	15.9	45.3	48.9	148.6	125.9	6.54	6.05
Argentina	SAM	19.8	19.1	8.6	8.6	71.2	72.3	30.0	26.1	2.72	2.50
Australia	OCE	14.4	13.2	7.4	7.4	77.4	78.7	7.4	6.4	1.83	1.80
Austria	EUR	11.5	10.1	10.4	10.0	76.4	78.0	7.3	6.2	1.47	1.50
Azerbaijan	SOV	24.1	18.5	6.6	6.5	70.6	72.5	35.7	28.7	2.76	2.39
Bangladesh	SAS	35.4	32.5	11.9	10.3	54.7	57.5	109.2	93.0	4.55	4.00
Belarus	SOV	13.3	12.6	11.1	11.3	70.7	72.2	19.2	16.4	1.89	1.83
Belgium	EUR	11.9	10.4	10.3	10.2	76.7	78.2	7.4	6.3	1.62	1.60
Benin	AFR	48.1	44.9	14.8	12.0	51.3	54.6	112.7	95.3	6.86	6.32
Bolivia	SAM	32.8	28.8	8.6	7.1	62.8	66.3	76.7	57.2	4.31	3.63
Bosnia and Herzegovina	EUR	13.5	12.2	6.4	6.7	74.8	76.9	13.2	10.1	1.62	1.60
Brazil	SAM	21.8	19.2	8.3	10.1	62.7	60.9	61.7	47.8	2.49	2.14
Bulgaria	EUR	11.7	11.7	11.5	10.9	72.8	75.5	12.6	9.4	1.71	1.70
Burkina	AFR	48.8	45.6	18.2	20.3	47.5	41.6	119.8	112.8	7.00	6.48
Burma	SAS	28.9	25.9	10.1	8.7	59.5	62.8	65.7	52.4	3.70	3.29
Burundi	AFR	44.7	40.9	21.3	21.3	40.8	39.1	115.6	102.2	6.76	6.25
Cambodia	SAS	45.5	41.0	16.6	14.3	49.1	51.5	111.5	100.5	5.81	5.81
Cameroon	AFR	40.7	40.1	11.6	10.2	56.7	59.4	78.8	67.5	5.88	5.61
Canada	NAM	14.5	12.3	7.4	7.7	78.0	79.1	7.0	6.2	1.84	1.80
Chad	AFR	42.2	39.7	20.9	18.4	40.4	43.3	134.0	118.6	5.33	5.05
Chile	SAM	20.9	19.0	5.6	5.3	74.2	76.4	15.9	11.4	2.51	2.43
China, Mainland	EAS	18.3	15.0	7.3	7.0	67.7	70.2	52.1	38.7	1.85	1.80
Taiwan	EAS	15.9	14.5	5.5	6.1	75.0	76.4	5.7	5.3	1.81	1.80
Colombia	SAM	23.4	19.0	4.8	4.6	71.7	74.2	29.7	21.3	2.54	2.17
Cote d'Ivoire	AFR	46.9	43.9	15.1	14.7	49.0	48.5	97.0	83.8	6.73	6.21
Cuba	CAR	17.1	13.6	6.5	6.7	76.7	77.8	10.5	9.2	1.83	1.80
Czech Republic	EUR	13.0	13.6	11.4	9.9	72.6	75.4	9.7	7.5	1.85	1.80
Denmark	EUR	12.5	11.7	11.4	10.7	75.5	77.4	7.1	6.1	1.68	1.70
Dominican Republic	CAR	25.7	21.1	6.4	5.6	68.0	70.4	53.6	40.8	2.89	2.42
Ecuador	SAM	26.5	22.5	5.8	5.2	69.6	72.0	40.8	31.1	3.19	2.59
Egypt	AFR	32.2	29.5	9.3	8.1	60.5	62.7	78.3	65.7	4.35	3.77
El Salvador	MAM	33.1	29.5	6.5	5.5	66.5	69.7	42.8	30.9	3.87	3.30
Ethiopia	AFR	45.4	42.3	14.2	11.9	52.2	55.4	108.8	92.1	6.88	6.36
Finland	EUR	12.6	11.4	9.9	9.7	75.7	77.5	5.4	4.9	1.79	1.80
France	EUR	13.2	12.3	9.3	9.3	78.0	79.2	6.8	5.9	1.80	1.80
Georgia	SOV	16.5	14.4	8.7	8.9	72.6	74.5	24.2	18.6	2.21	2.05
Germany	EUR	11.1	9.8	11.0	10.5	76.1	77.8	6.6	5.7	1.45	1.53
Ghana	AFR	44.7	40.5	12.5	10.8	55.2	57.5	84.5	74.8	6.21	5.76
Greece	EUR	10.4	10.6	9.4	9.5	77.5	78.8	8.9	7.3	1.44	1.50
Guatemala	MAM	36.2	31.2	7.7	6.5	64.0	66.9	55.6	44.6	4.90	4.00
Guinea	AFR	44.8	39.9	20.1	16.9	43.7	47.0	141.7	123.7	5.90	5.46
Haiti	CAR	40.8	35.0	18.9	18.3	45.5	43.9	109.5	102.2	6.05	5.16
Honduras	MAM	35.8	30.3	6.4	5.2	67.2	70.0	47.2	35.4	4.87	3.83
Hong Kong	EAS	12.3	11.2	5.7	6.8	80.0	80.6	5.9	5.5	1.34	1.50
Hungary	EUR	12.3	12.9	13.0	11.4	70.9	74.1	13.1	9.7	1.83	1.80
India	SAS	29.1	24.7	10.5	9.1	58.1	61.4	80.5	65.8	3.57	3.04
Indonesia	SAS	24.8	22.5	8.7	8.1	60.3	63.4	69.6	55.4	2.86	2.53
Iran	SAS	43.0	39.3	8.1	6.2	65.3	69.0	62.1	45.9	6.40	5.88
Iraq	SAS	44.6	40.8	7.7	5.6	65.0	68.7	71.8	50.1	6.86	5.81
Italy	EUR	10.7	10.9	9.7	10.0	77.4	78.7	7.8	6.6	1.37	1.50
Japan	EAS	10.3	11.4	7.2	8.3	79.2	80.0	4.3	4.1	1.54	1.60
Kazakhstan	SOV	19.6	18.3	8.0	7.9	67.8	69.6	41.8	34.6	2.45	2.32
Kenya	AFR	43.2	37.5	11.4	15.2	54.1	46.4	74.7	72.3	6.06	4.97
Madagascar	AFR	45.7	42.7	13.7	11.3	53.5	56.7	91.0	77.1	6.75	6.25
Malawi	AFR	51.1	46.9	22.9	25.7	40.5	35.2	141.9	134.2	7.50	6.94
Malaysia	SAS	28.9	25.6	5.8	5.2	68.8	71.0	26.5	20.9	3.54	3.31
Mali	AFR	51.7	49.3	20.8	17.5	45.5	48.8	108.0	95.6	7.33	6.91
Mexico	MAM	27.7	24.3	4.8	4.4	72.6	75.0	28.8	20.7	3.25	2.79
Morocco	AFR	29.2	25.0	6.6	5.1	67.5	71.8	53.4	32.9	3.96	3.13
Mozambique	AFR	45.4	42.1	16.7	14.1	48.0	51.3	131.4	112.8	6.31	5.84
Nepal	SAS	38.0	35.6	13.7	11.2	52.0	55.9	85.8	70.1	5.33	4.68
Netherlands	EUR	12.8	10.9	8.5	8.6	77.6	78.8	6.2	5.5	1.59	1.50
Niger	AFR	57.4	51.7	22.4	18.5	44.2	47.5	112.8	100.3	7.35	7.00
Nigeria	AFR	43.8	41.6	12.9	10.1	54.7	59.1	77.3	61.4	6.43	5.95
North Korea	EAS	24.1	19.9	5.5	5.4	69.5	71.5	28.6	22.2	2.40	2.21
Pakistan	SAS	42.6	39.7	12.6	10.8	57.1	59.7	103.6	90.3	6.50	5.94
Paraguay	SAM	32.6	29.1	4.6	4.1	73.0	74.9	26.4	19.6	4.37	3.86
Peru	SAM	26.2	22.7	7.2	6.3	65.2	68.1	56.4	42.9	3.22	2.63
Philippines	SAS	27.9	24.4	7.0	6.6	65.1	66.9	51.9	44.4	3.45	2.88
Poland	EUR	13.6	13.2	9.6	8.7	72.2	75.0	13.8	10.0	1.97	1.80
Portugal	EUR	11.6	11.7	9.8	9.5	74.9	76.9	9.8	7.8	1.45	1.50
Romania	EUR	13.7	13.5	10.2	9.5	71.3	74.4	21.2	14.3	1.83	1.80
Russia	SOV	12.7	12.7	11.3	11.2	68.7	70.5	27.6	22.6	1.83	1.80
Rwanda	AFR	49.9	45.9	20.9	23.8	41.2	35.7	119.4	110.2	8.27	7.64
Saudi Arabia	SAS	38.6	36.9	6.1	4.9	67.3	71.1	55.3	36.3	6.70	6.43
Senegal	AFR	43.4	41.3	12.4	10.0	56.0	59.9	77.8	63.5	6.15	5.71
Serbia [5]	EUR	14.4	13.9	9.1	8.7	73.0	75.6	22.4	16.6	2.07	2.01

See footnotes at end of table.

No. 1376. Birth and Death Rates, and Other Vital Statistics, 1993, and Projections, 2000—Selected Countries—Continued

[See headnote, page 844]

COUNTRY OR AREA	Region	CRUDE BIRTH RATE [1]		CRUDE DEATH RATE [2]		EXPECTATION OF LIFE AT BIRTH (years)		INFANT MORTALITY RATE [3]		TOTAL FERTILITY RATE [4]	
		1993	2000	1993	2000	1993	2000	1993	2000	1993	2000
Slovakia	EUR	14.6	14.1	9.5	8.5	72.4	75.1	10.8	8.4	1.99	1.80
Somalia	AFR	42.0	42.4	28.4	9.8	32.9	61.1	162.7	87.1	6.40	6.53
South Africa	AFR	33.8	32.3	7.7	6.9	64.8	67.0	48.3	39.8	4.40	4.23
South Korea	EAS	15.7	14.8	6.2	6.4	70.3	72.3	22.5	17.7	1.64	1.70
Spain	EUR	10.9	11.6	8.8	9.2	77.5	78.8	7.0	6.1	1.38	1.50
Sri Lanka	SAS	18.7	16.5	5.8	6.0	71.5	73.0	22.8	19.1	2.13	1.89
Sudan	AFR	42.7	38.8	12.5	10.3	53.9	56.8	81.3	69.2	6.19	5.47
Sweden	EUR	13.8	11.5	11.0	10.6	78.1	79.2	5.8	5.2	2.04	1.80
Switzerland	EUR	12.4	10.8	9.2	9.1	78.0	79.1	6.6	5.8	1.60	1.60
Syria	SAS	44.1	40.5	6.4	5.3	66.1	68.4	43.9	35.2	6.75	6.00
Tajikistan	SOV	35.5	30.4	6.9	6.0	68.5	70.5	63.6	52.1	4.70	4.10
Tanzania	AFR	45.7	43.6	19.0	22.4	44.0	38.4	110.4	104.3	6.25	5.85
Thailand	SAS	20.0	17.2	6.3	8.1	68.3	65.9	38.5	34.3	2.16	1.91
Tunisia	AFR	24.2	20.2	5.0	4.7	72.5	74.8	35.9	25.3	3.02	2.33
Turkey	SAS	26.6	22.8	6.0	5.1	70.4	73.8	52.0	33.3	3.30	2.78
Uganda	AFR	49.9	46.3	23.0	26.3	38.4	33.6	112.1	106.8	7.15	6.66
Ukraine	SOV	12.4	12.2	12.5	12.6	69.9	71.2	21.0	18.1	1.82	1.79
United Kingdom	EUR	13.6	11.9	10.9	10.3	76.5	78.1	7.4	6.3	1.83	1.80
Uzbekistan	SOV	30.6	26.8	6.6	6.0	68.4	70.1	54.4	45.1	3.78	3.37
Venezuela	SAM	26.4	22.9	4.7	4.5	72.7	74.4	28.9	22.6	3.14	2.68
Vietnam	SAS	28.0	22.9	7.9	7.0	65.1	67.1	46.4	39.9	3.45	2.80
Yemen	SAS	51.0	48.3	15.4	12.4	50.9	54.6	115.6	96.5	7.27	6.73
Zaire	AFR	48.4	46.1	16.9	15.5	47.3	48.4	113.2	97.9	6.70	6.39
Zambia	AFR	46.5	43.2	16.9	23.0	45.6	36.5	83.9	85.3	6.75	6.28
Zimbabwe	AFR	38.2	32.3	17.7	20.0	42.8	39.6	75.3	65.9	5.26	4.11

[1] Number of births during 1 year per 1,000 persons (based on midyear population). [2] Number of deaths during 1 year per 1,000 persons (based on midyear population). [3] Number of deaths of children under 1 year of age per 1,000 live births in a calendar year. [4] Average number of children that would be born if all women lived to the end of their childbearing years and, at each year of age, they experienced the birth rates occurring in the specified year. [5] The U.S. view is that the Socialist Federal Republic of Yugoslavia has dissolved and no successor state represents its continuation. Serbia and Montenegro have asserted the formation of a joint independent state, but this entity has not been recognized by the United States.

Source: U.S. Bureau of the Census, International Data Base.

No. 1377. Population and Average Annual Rates of Growth for World's Largest Cities: 1992 to 2000

[When these city projections were prepared in 1985, cities were defined as population clusters of continuous built-up area with a population density of at least 5,000 persons per square mile. Boundaries were determined by examining detailed maps of each city in conjunction with the most recent official population statistics. The ariel expansion of each city was not projected, hence, density figures for 1992 are based on areas as of 1985]

CITY AND COUNTRY	Rank	MIDYEAR POPULATION (1,000)			AVERAGE ANNUAL GROWTH RATE (percent)		Area (square miles)	Population per square mile, 1992
		1992	1995	2000	1992-1995	1995-2000		
Tokyo-Yokohama, Japan	1	27,540	28,447	29,971	1.1	1.0	1,089	25,290
Mexico City, Mexico	2	21,615	23,913	27,872	3.4	3.1	522	41,408
Sao Paulo, Brazil	3	19,373	21,539	25,354	3.5	3.3	451	42,956
Seoul, South Korea	4	17,334	19,065	21,976	3.2	2.8	342	50,684
New York, United States	**5**	**14,628**	**14,638**	**14,648**	**(Z)**	**(Z)**	**1,274**	**11,482**
Osaka-Kobe-Kyoto, Japan	6	13,919	14,060	14,287	0.3	0.3	495	28,119
Bombay, India	7	12,450	13,532	15,357	2.8	2.5	95	131,051
Calcutta, India	8	12,137	12,885	14,088	2.0	1.8	209	58,073
Rio de Janeiro, Brazil	9	12,009	12,786	14,169	2.1	2.1	260	46,190
Buenos Aires, Argentina	10	11,743	12,232	12,911	1.4	1.1	535	21,950
Manila, Philippines	11	10,554	11,342	12,846	2.4	2.5	188	56,141
Moscow, Russia	12	10,526	10,769	11,121	0.8	0.6	379	27,773
Cairo, Egypt	13	10,372	11,155	12,512	2.4	2.3	104	99,726
Jakarta, Indonesia	14	10,185	11,151	12,804	3.0	2.8	76	134,014
Tehran, Iran	15	10,102	11,681	14,251	4.8	4.0	112	90,198
Los Angeles, United States	**16**	**10,072**	**10,414**	**10,714**	**1.1**	**0.6**	**1,110**	**9,074**

See footnotes at end of table.

No. 1377. Population and Average Annual Rates of Growth for World's Largest Cities: 1992 to 2000—Continued

[See headnote, page 845]

CITY AND COUNTRY	Rank	MIDYEAR POPULATION (1,000)			AVERAGE ANNUAL GROWTH RATE (percent)		Area (square miles)	Population per square mile, 1992
		1992	1995	2000	1992-1995	1995-2000		
Delhi, India	17	9,243	10,105	11,849	3.0	3.2	138	66,976
London, United Kingdom	18	9,168	8,897	8,574	-1.0	-0.7	874	10,490
Paris, France	19	8,589	8,764	8,803	0.7	0.1	432	19,883
Lagos, Nigeria	20	8,487	9,799	12,528	4.8	4.9	56	151,548
Karachi, Pakistan	21	8,174	9,350	11,299	4.5	3.8	190	43,023
Essen, Germany	22	7,506	7,364	7,239	-0.6	-0.3	704	10,662
Lima, Peru	23	7,028	7,853	9,241	3.7	3.3	120	58,563
Shanghai, China	24	7,000	7,194	7,540	0.9	0.9	78	89,739
Istanbul, Turkey	25	6,937	7,624	8,875	3.2	3.0	165	42,040
Taipei, Taiwan	26	6,924	7,477	8,516	2.6	2.6	138	50,173
Chicago, United States	**27**	**6,493**	**6,541**	**6,568**	**0.2**	**0.1**	**762**	**8,521**
Bogota, Colombia	28	6,176	6,801	7,935	3.2	3.1	79	78,173
Bangkok, Thailand	29	6,088	6,657	7,587	3.0	2.6	102	59,687
Madras, India	30	5,998	6,550	7,384	2.9	2.4	115	52,156
Beijing, China	31	5,791	5,865	5,993	0.4	0.4	151	38,354
Hong Kong, Hong Kong	32	5,762	5,841	5,956	0.5	0.4	23	250,524
Santiago, Chile	33	5,484	5,812	6,294	1.9	1.6	128	42,840
Pusan, South Korea	34	5,161	5,748	6,700	3.6	3.1	54	95,582
Bangalore, India	35	5,080	5,644	6,764	3.5	3.6	50	101,604
Nagoya, Japan	36	4,909	5,017	5,303	0.7	1.1	307	15,990
Tianjin, China	37	4,857	5,041	5,298	1.2	1.0	49	99,121
Milan, Italy	38	4,718	4,795	4,839	0.5	0.2	344	13,714
St. Petersburg, Russia	39	4,645	4,694	4,738	0.4	0.2	139	33,415
Dhaka, Bangladesh	40	4,640	5,296	6,492	4.4	4.1	32	144,991
Madrid, Spain	41	4,577	4,772	5,104	1.4	1.4	66	69,344
Lahore, Pakistan	42	4,475	4,986	5,864	3.6	3.2	57	78,500
Baghdad, Iraq	43	4,358	4,566	5,239	1.6	2.8	97	44,924
Shenyang, China	44	4,323	4,457	4,684	1.0	1.0	39	110,848
Barcelona, Spain	45	4,221	4,492	4,834	2.1	1.5	87	48,521
San Francisco, United States	**46**	**4,005**	**4,104**	**4,214**	**0.8**	**0.5**	**428**	**9,358**
Kinshasa, Zaire	47	3,997	4,520	5,646	4.1	4.5	57	70,130
Manchester, United Kingdom	48	3,984	3,949	3,827	-0.3	-0.6	357	11,159
Philadelphia, United States	**49**	**3,970**	**3,988**	**3,979**	**0.2**	**-0.1**	**471**	**8,429**
Belo Horizonte, Brazil	50	3,920	4,373	5,125	3.6	3.2	79	49,625
Ahmadabad, India	51	3,826	4,200	4,837	3.1	2.8	32	119,555
Hyderabad, India	52	3,787	4,149	4,765	3.0	2.8	88	43,031
Ho Chi Minh City, Vietnam	53	3,725	4,064	4,481	2.9	2.0	31	120,164
Athens, Greece	54	3,613	3,670	3,866	0.5	1.0	116	31,144
Sydney, Australia	55	3,528	3,619	3,708	0.9	0.5	338	10,437
Guadalajara, Mexico	56	3,525	3,839	4,451	2.8	3.0	78	45,192
Miami, United States	**57**	**3,522**	**3,679**	**3,894**	**1.5**	**1.1**	**448**	**7,862**
Surabaya, Indonesia	58	3,327	3,428	3,632	1.0	1.2	43	77,382
Guangzhou, China	59	3,314	3,485	3,652	1.7	0.9	79	41,952
Caracas, Venezuela	60	3,247	3,338	3,435	0.9	0.6	54	60,133
Wuhan, China	61	3,231	3,325	3,495	1.0	1.0	65	49,700
Porto Alegre, Brazil	62	3,220	3,541	4,109	3.2	3.0	231	13,938
Toronto, Canada	63	3,182	3,296	3,296	1.2	-	154	20,662
Casablanca, Morocco	64	3,136	3,327	3,795	2.0	2.6	35	89,604
Monterrey, Mexico	65	3,084	3,385	3,974	3.1	3.2	77	40,057
Rome, Italy	66	3,028	3,079	3,129	0.6	0.3	69	43,889
Greater Berlin, Germany	67	3,020	3,018	3,006	(Z)	-0.1	274	11,021
Ankara, Turkey	68	3,000	3,263	3,777	2.8	2.9	55	54,551
Naples, Italy	69	2,996	3,051	3,134	0.6	0.5	62	48,324
Alexandria, Egypt	70	2,981	3,114	3,304	1.5	1.2	35	85,180
Montreal, Canada	71	2,933	2,996	3,071	0.7	0.5	164	17,881
Detroit, United States [1]	**72**	**2,890**	**2,865**	**2,735**	**-0.3**	**-0.9**	**468**	**6,175**
Rangoon, Burma	73	2,876	3,075	3,332	2.2	1.6	47	61,198
Melbourne, Australia	74	2,865	2,946	2,968	0.9	0.2	327	8,763
Dallas, United States	**75**	**2,856**	**2,972**	**3,257**	**1.3**	**1.8**	**419**	**6,817**
Taegu, South Korea	76	2,837	3,201	4,051	4.0	4.7	(NA)	(NA)
Kiev, Ukraine	77	2,837	2,983	3,237	1.7	1.6	62	45,751
Singapore, Singapore	78	2,743	2,816	2,913	0.9	0.7	78	35,164
Harbin, China	79	2,625	2,747	2,887	1.5	1.0	30	87,506
Poona, India	80	2,617	2,987	3,647	4.4	4.0	(NA)	(NA)
Washington, United States	**81**	**2,572**	**2,637**	**2,707**	**0.8**	**0.5**	**357**	**7,204**
Lisbon, Portugal	82	2,505	2,551	2,717	0.6	1.3	(NA)	(NA)
Chongqing, China	83	2,468	2,632	2,961	2.1	2.4	(NA)	(NA)
Tashkent, Uzbekistan	84	2,461	2,640	2,947	2.3	2.2	(NA)	(NA)
Boston, United States	**85**	**2,460**	**2,480**	**2,485**	**0.3**	**(Z)**	**303**	**8,119**
Vienna, Austria	86	2,392	2,474	2,647	1.1	1.4	(NA)	(NA)
Houston, United States	**87**	**2,369**	**2,456**	**2,651**	**1.2**	**1.5**	**310**	**7,642**
Salvador, Brazil	88	2,366	2,694	3,286	4.3	4.0	(NA)	(NA)
Chengdu, China	89	2,365	2,465	2,591	1.4	1.0	25	94,610
Budapest, Hungary	90	2,304	2,313	2,335	0.1	0.2	138	16,696
Kanpur, India	91	2,184	2,356	2,673	2.5	2.5	(NA)	(NA)
Birmingham, United Kingdom	92	2,177	2,130	2,078	-0.7	-0.5	223	9,763
Bucharest, Romania	93	2,175	2,214	2,271	0.6	0.5	52	41,834
Havana, Cuba	94	2,152	2,218	2,333	1.0	1.0	(NA)	(NA)

- Represents or rounds to zero. NA Not available. Z Less than .05 percent. [1] Includes Windsor, Canada.
Source: U.S. Bureau of the Census, International Data Base.

No. 1378. Percent Distribution of Households, by Type—Selected Countries

COUNTRY AND YEAR	Total	MARRIED-COUPLE [1]			Single parent [2]	One-person	Other [3]
		Total	With children [2]	Without children [2]			
United States:							
1960	100	74	44	30	4	13	8
1970	100	71	40	30	5	17	7
1980	100	61	31	30	8	23	9
1987	100	58	28	30	8	24	11
1988	100	57	27	30	8	24	11
1989	100	56	27	30	8	25	11
1990	100	56	26	30	8	25	11
1991	100	55	26	29	9	25	11
Canada:							
1961	100	[4]78	[4]51	[4]27	[4]4	9	[4]9
1971	100	74	47	28	5	13	8
1981	100	67	36	31	5	20	8
1986	100	65	32	32	6	22	8
Japan:							
1960	100	65	49	16	3	17	14
1970	100	64	45	20	2	20	13
1980	100	68	43	26	2	20	10
1985	100	67	39	28	3	21	9
1990	100	65	33	32	2	23	10
Denmark: [5]							
1976	100	45	24	21	5	(NA)	(NA)
1983	100	44	23	21	5	(NA)	(NA)
1988	100	41	20	21	5	(NA)	(NA)
1989	100	41	20	21	5	(NA)	(NA)
1990	100	40	19	21	5	(NA)	(NA)
France:							
1968	100	70	44	27	4	20	5
1975	100	69	42	27	4	22	5
1982	100	67	40	27	4	25	4
1988	100	63	36	27	5	27	4
1989	100	64	36	28	5	27	4
Netherlands:							
1961	100	78	55	22	6	12	5
1971	100	74	52	22	5	17	4
1981	100	67	44	23	6	21	6
1985	100	60	39	22	7	28	6
1989	100	57	35	22	7	29	7
Sweden:							
1960	100	66	36	31	4	20	10
1970	100	64	30	34	3	25	7
1980	100	58	25	33	3	33	6
1985	100	55	22	33	3	36	6
1990	100	52	20	32	3	40	5
United Kingdom: [6]							
1961	100	74	38	36	2	12	12
1971	100	70	34	35	3	18	9
1981	100	64	31	34	5	22	9
1987	100	64	28	36	4	25	7
1988	100	62	26	36	5	26	7
1989	100	62	26	36	5	25	8
1990	100	60	24	36	6	26	8
Germany: [7]							
1961	100	67	44	22	11	21	2
1970	100	65	42	23	6	27	3
1980	100	61	37	24	7	30	3
1988	100	54	31	23	7	35	4
1989	100	54	31	23	7	35	4
1990	100	54	31	23	6	35	4

NA Not available. [1] May include unmarried cohabitating couples. Such couples are explicitly included under married couples in Canada (beginning in 1981) and France. For Sweden, beginning in 1980, all cohabitants are included as married couples, and the figures for 1970 have been adjusted to include all cohabitants. For Denmark, from 1983 onward, persons reported separately as living in consensual unions with joint children have been classified here as married couples. In other countries, some unmarried cohabitants are included as married couples, while some are classified under "other households," depending on responses to surveys and censuses. [2] Children are defined as unmarried children living at home according to the following age limits: Under 18 years old in the United States, Canada, Japan, Denmark, and the United Kingdom, except that the United Kingdom includes 16- and 17-year-olds only if they are in full-time education; under 25 years old in France; under 16 years old in Sweden; and children of all ages in the Netherlands and Germany. [3] Includes both family and nonfamily households not elsewhere classified. These households comprise, for example, siblings residing together, other households composed of relatives, and households made up of roommates. Some unmarried cohabitating couples may also be included in the "other" group. See footnote 1. [4] Estimated by the U.S. Bureau of Labor Statistics. [5] From family-based statistics. However, one person living alone constitutes a family in Denmark. In this respect, the Danish data are closer to household statistics. [6] Great Britain only (excludes Northern Ireland). [7] Former West Germany (prior to unification).

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review,* March 1990; and unpublished data.

No. 1379. Marriage and Divorce Rates, Selected Countries: 1960 to 1990

COUNTRY	MARRIAGE RATE PER 1,000 POPULATION, AGES 15 TO 64						DIVORCE RATE PER 1,000 MARRIED WOMEN					
	1960	1970	1980	1988	1989	1990	1960	1970	1980	1988	1989	1990
United States [1]	**14**	**17**	**16**	**15**	**15**	**15**	**9**	**15**	**23**	**21**	**21**	**21**
Canada	12	14	12	11	11	10	2	6	11	13	13	12
Denmark	12	12	8	9	9	9	6	8	11	13	14	13
France	11	12	10	7	8	8	3	3	6	8	8	(NA)
Germany [2]	14	12	9	9	9	9	4	5	6	9	9	8
Italy	12	11	9	8	8	8	(NA)	1	1	2	2	2
Japan	15	14	10	8	8	8	4	4	5	5	5	5
Netherlands	13	15	10	9	9	9	2	3	8	8	8	8
Sweden	10	8	7	8	[3]20	7	5	7	11	11	12	12
United Kingdom	12	14	12	11	11	(NA)	[4]2	[4]5	[4]12	12	(NA)	(NA)

NA Not available. [1] Beginning 1980, includes unlicensed marriages registered in California. [2] Former West Germany (prior to unification). [3] Increase in Swedish marriage rate in 1989 is due to change in inheritance laws which caused many cohabiting couples to marry. [4] England and Wales only.
Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, March 1990; and unpublished data.

No. 1380. Births to Unmarried Women, Selected Countries: 1960 to 1990

[For U.S. figures, beginning 1980, marital status is inferred from a comparison of the childs' and parents' surnames on the birth certificate for those States that do not report on marital status. No estimates are included for misstatements on birth records or failures to register births]

COUNTRY	1960		1970		1980		1990	
	Total live births (1,000)	Percent born to unmarried women	Total live births (1,000)	Percent born to unmarried women	Total live births (1,000)	Percent born to unmarried women	Total live births (1,000)	Percent born to unmarried women
United States	**4,258**	**5**	**3,731**	**11**	**3,612**	**18**	**4,179**	**28**
Canada	479	4	372	10	360	13	3,979	24
Denmark	76	8	71	11	57	33	63	46
France	820	6	850	7	800	11	762	30
Germany [2]	969	6	811	6	621	8	727	11
Italy	910	2	902	2	640	4	581	6
Japan	1,624	1	1,932	1	1,616	1	1,240	1
Netherlands	239	1	239	2	181	4	198	11
Sweden	102	11	110	18	97	40	124	47
United Kingdom	918	5	904	8	754	12	799	28

[1] Beginning 1980, excludes Newfoundland. [2] Former West Germany (prior to unification).
Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, 1990; and unpublished data.

No. 1381. Death Rates, by Selected Causes—Selected Countries

[**Age-standardized death rate per 100,000 population.** For explanation of age-adjustment, see text, section 2. The standard population for this table is the European standard; see source for details. Deaths classified according to ninth revision of *International Classification of Diseases;* see text, section 2]

COUNTRY	Year	Ischemic heart disease	Cerebrovascular disease	MALIGNANT NEOPLASM OF—			Bronchitis,[1] emphysema, asthma	Chronic liver disease and cirrhosis	Motor vehicle traffic accidents	Suicide and self-inflicted injury
				Lung, trachea, bronchus	Stomach	Female breast				
United States	**1988**	**188.1**	**53.6**	**55.4**	**5.4**	**32.0**	**9.1**	**11.7**	**18.7**	**12.2**
Australia	1988	200.5	77.9	40.4	9.0	29.6	14.6	8.1	17.8	13.3
Austria	1990	151.0	96.9	34.3	17.8	32.1	18.2	25.8	16.8	21.7
Belgium	1986	110.4	83.0	55.5	13.8	38.1	26.3	12.6	19.6	21.0
Bulgaria	1990	230.1	226.2	30.7	22.7	21.1	13.0	16.0	15.5	14.1
Canada	1989	172.2	52.9	54.3	8.6	34.1	8.4	9.4	15.4	13.1
Czechoslovakia	1990	314.4	183.5	53.2	20.1	28.7	21.1	26.1	13.6	18.3
Denmark	1990	211.1	72.5	53.2	8.5	38.5	39.0	13.4	10.9	22.4
Finland	1989	243.2	98.5	33.8	15.5	23.9	17.2	10.0	14.0	27.5
France	1989	64.3	59.2	34.5	9.2	28.1	10.0	18.3	17.3	19.6
Germany [2]	1989	150.3	87.3	35.9	16.3	32.9	22.3	20.1	11.1	14.5
Hungary	1990	240.0	177.4	61.2	24.4	32.3	40.5	50.7	24.4	38.2
Italy	1988	97.4	102.3	44.1	20.5	29.5	23.9	24.9	14.2	7.0
Japan	1990	37.9	90.3	26.8	35.2	8.5	11.0	12.7	11.1	15.4
Netherlands	1989	134.9	67.8	54.6	13.4	39.0	18.2	5.5	8.9	10.0
New Zealand	1987	248.6	88.8	45.5	10.9	40.2	19.8	4.2	22.8	12.6
Norway	1989	186.9	84.2	27.5	12.3	27.3	13.6	5.7	8.5	15.3
Poland	1990	121.0	73.1	51.4	21.2	22.6	25.0	11.4	22.4	13.8
Portugal	1990	85.6	216.6	21.3	27.8	25.7	13.9	24.5	26.9	8.5
Spain	1987	75.3	100.2	30.6	17.1	23.2	10.1	20.6	16.6	7.1
Sweden	1988	209.3	69.0	23.9	10.3	26.8	13.1	6.1	8.8	17.8
Switzerland	1990	109.7	57.2	35.1	10.3	35.8	19.9	9.3	12.8	20.1
United Kingdom:										
England and Wales	1990	210.0	86.1	53.2	12.6	40.7	12.7	5.7	8.9	7.5
Scotland	1990	258.3	112.9	66.9	13.6	37.5	9.9	9.5	9.9	10.1

[1] Chronic and unspecified. [2] Former West Germany (prior to unification).
Source: World Health Organization, Geneva, Switzerland, *1991 World Health Statistics Annual.*

No. 1382. Suicide Rates for Selected Countries, by Sex and Age Group

[**Rate per 100,000 population.** Includes deaths resulting indirectly from self-inflicted injuries. Deaths classified according to the ninth revision of the *International Classification of Diseases;* see text, section 2]

SEX AND AGE	United States, 1989	Australia, 1988	Austria, 1990	Canada, 1990	Denmark, 1990	France, 1989	Italy, 1988	Japan, 1990	Netherlands, 1989	Poland, 1990	Sweden, 1988	United Kingdom, [1] 1990	West Germany, 1989
MALE													
Total [2]	20.0	21.0	34.8	20.4	32.2	30.5	11.1	20.4	13.0	22.0	26.4	12.1	23.5
15 to 24 years old	22.0	27.8	25.0	25.2	14.1	15.8	4.9	9.2	8.9	16.2	18.2	11.7	14.7
25 to 34 years old	24.4	28.2	32.7	29.3	26.7	32.2	9.1	18.4	15.4	30.4	29.8	16.0	22.7
35 to 44 years old	22.4	26.0	37.3	26.3	44.5	37.4	9.9	21.5	15.6	33.0	31.8	17.1	21.6
45 to 54 years old	22.7	24.4	47.7	22.7	53.0	39.2	12.1	32.0	17.3	38.4	38.2	16.4	30.8
55 to 64 years old	24.8	23.8	44.0	22.9	43.7	38.9	16.2	32.5	19.9	36.3	37.0	13.3	31.5
65 to 74 years old	33.6	27.7	66.8	20.8	47.3	52.9	28.3	36.6	21.1	28.0	36.4	13.6	39.4
75 yrs. old and over	54.5	39.8	107.6	32.7	76.7	107.2	47.4	62.9	29.0	27.3	47.2	19.4	75.6
FEMALE													
Total [2]	4.8	5.6	13.4	5.3	16.3	11.7	4.4	12.4	7.5	4.5	11.5	3.7	10.0
15 to 24 years old	4.2	4.5	5.5	5.1	4.0	4.6	1.4	4.7	4.4	2.8	5.9	2.0	4.2
25 to 34 years old	5.6	7.2	8.4	6.5	6.9	9.2	2.7	9.0	7.2	4.3	11.3	3.8	6.9
35 to 44 years old	6.6	7.5	13.9	8.9	18.4	13.0	3.6	9.2	7.5	6.0	17.1	4.5	7.9
45 to 54 years old	7.4	8.2	16.5	7.3	27.3	17.4	5.7	15.0	13.8	7.4	20.5	5.1	13.0
55 to 64 years old	7.3	8.7	20.8	5.5	31.5	19.4	7.3	17.6	12.6	8.7	14.5	5.3	13.7
65 to 74 years old	5.9	7.4	22.0	6.0	30.0	20.2	9.7	25.3	13.4	7.2	15.3	6.1	18.2
75 yrs. old and over	6.0	10.0	35.5	4.2	32.2	25.7	11.1	48.6	10.8	7.4	13.8	6.2	22.7

[1] England and Wales only. [2] Includes under 15 years old not shown separately.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics Annual,* annual; and unpublished data.

No. 1383. Health Expenditures—Selected Countries: 1980 to 1991

[G.D.P.=gross domestic product; for explanation, see text, section 14. For explanation of purchasing power parities, see text, section 31]

COUNTRY	TOTAL HEALTH EXPENDITURES						PUBLIC HEALTH EXPENDITURES			
	Percent of gross domestic product					Per capita, 1991, on basis of G.D.P. purchasing power parities [1]	1980		1991	
	1980	1985	1989	1990	1991		Percent of gross domestic product	Percent of total health expenditures	Percent of gross domestic product	Percent of total health expenditures
United States	**9.2**	**10.5**	**11.6**	**12.4**	**13.4**	**2,867**	**42.0**	**3.9**	**43.9**	**5.9**
Australia	7.3	8.1	8.4	8.3	8.4	1,407	62.9	4.6	67.8	5.8
Austria	7.9	8.1	8.4	8.3	8.4	1,448	68.8	5.4	67.1	5.6
Belgium	6.6	7.4	7.6	7.6	7.9	1,377	83.4	5.5	88.9	7.0
Canada	7.4	8.5	9.0	9.5	10.0	1,915	74.7	5.5	72.2	7.2
Denmark	6.8	6.3	6.5	6.3	6.5	1,151	85.2	5.8	81.5	5.3
Finland	6.5	7.2	7.2	7.8	8.9	1,426	79.0	5.1	80.9	7.2
France	7.6	8.5	8.7	8.8	9.1	1,650	78.8	6.0	73.9	6.7
Germany [1]	8.4	8.7	8.3	8.3	8.5	1,659	75.0	6.3	71.8	6.1
Greece	4.3	4.9	5.4	5.4	5.2	404	82.2	3.6	[2]77.0	[2]4.1
Iceland	6.4	7.1	8.6	8.3	8.4	1,447	88.2	5.7	87.0	7.3
Ireland	9.2	8.2	6.9	7.0	7.3	845	82.2	7.5	75.8	5.6
Italy	6.9	7.0	7.6	8.1	8.3	1,408	81.1	5.6	77.5	6.5
Japan	6.6	6.5	6.6	6.7	6.8	1,307	70.8	4.6	70.1	4.8
Luxembourg	6.8	6.8	6.9	7.2	7.2	1,494	92.8	6.3	[2]91.4	[2]6.6
Netherlands	8.0	8.0	8.1	8.2	8.3	1,360	74.7	6.0	73.1	6.1
New Zealand	7.2	6.5	7.2	7.3	7.6	1,047	83.6	6.0	78.9	6.0
Norway	6.6	6.4	7.4	7.4	7.6	1,305	98.4	6.5	96.6	7.3
Portugal	5.9	7.0	7.2	6.7	6.8	624	72.4	4.3	[2]61.7	[2]4.1
Spain	5.6	5.7	6.3	6.6	6.7	848	79.9	4.5	82.2	5.5
Sweden	9.4	8.8	8.6	8.6	8.6	1,443	92.5	8.7	78.0	6.7
Switzerland	7.3	7.6	7.5	7.8	7.9	1,713	67.5	4.9	68.3	5.4
Turkey	4.0	2.8	3.9	4.0	4.0	142	27.3	1.1	[2]35.6	[2]1.4
United Kingdom	5.8	6.0	6.1	6.2	6.6	1,043	89.6	5.2	83.3	5.5

[1] Former West Germany (prior to unification). [2] 1990 data.

Source: Organization for Economic Cooperation and Development, Paris, France, *OECD Health Data,* 1993, and *OECD Health Systems: Facts and Trends,* 1993.

No. 1384. Education Expenditures: 1988

[For definitions of education levels, see table 1385. Includes both current and capital expenditures. Public expenditure refers to the spending of public authorities at all levels. Private expenditure refers to the spending of private sources- mainly households, private non- profit institutions, and firms and businesses. Expenditure per student based on full-time equivalent students enrolled in both public and private schools. Purchasing power parities (PPP's) are the rates of currency conversion that equalize the purchasing power of different countries. This means that a given sum of money, when converted into different currencies at the PPP rates, will buy the same basket of goods and services in all countries. Thus, PPP's are the rates of currency conversion that eliminate differences in price levels between countries]

COUNTRY	EXPENDITURES AS PERCENT OF GROSS DOMESTIC PRODUCT			PUBLIC EXPENDITURE FOR EDUCATION AS PERCENT OF TOTAL PUBLIC EXPENDITURES	EXPENDITURE PER STUDENT USING PURCHASING POWER PARITIES (U.S. dollars)					
	Total	Public sources	Private sources		Total	Primary and secondary levels				Higher education
						Total	Pre-primary	Primary	Secondary	
EDUCATION FUNDED BY PUBLIC AND PRIVATE SOURCES										
Canada [1]	7.2	6.4	0.8	14.4	5,337	4,268	(NA)	(NA)	(NA)	9,308
Denmark	6.9	6.8	0.1	11.6	4,656	3,753	2,632	3,227	4,283	10,847
France	5.7	5.1	0.7	10.2	3,161	2,550	1,649	1,976	3,387	4,362
Ireland	6.2	5.8	0.4	11.5	1,769	1,472	1,107	1,146	2,005	5,429
Japan	4.9	3.8	1.2	11.7	3,313	2,572	1,552	2,571	2,752	6,105
Netherlands	6.6	6.3	0.3	10.9	3,513	2,189	(2)	1,935	2,427	9,939
Portugal	4.9	4.7	0.2	10.7	1,600	1,359	858	1,368	1,438	4,637
Spain [3]	5.0	3.9	1.1	9.7	1,819	1,617	1,268	1,384	1,853	2,545
United States	5.7	5.0	0.7	13.7	[4]4,126	[4]3,654	1,762	[4]3,595	[4]4,346	[5]9,844
West Germany	6.2	4.3	1.9	9.1	[4]3,047	[4]2,263	941	[4]2,101	[4]2,659	[4]5,085
EDUCATION FUNDED BY PUBLIC SOURCES										
Australia	4.8	4.8	-	13.9	(NA)	(NA)	(NA)	1,930	2,959	(NA)
Austria	5.6	5.6	-	11.1	3,472	2,812	1,607	2,610	3,198	5,029
Belgium	6.1	6.1	-	10.5	3,111	2,838	1,524	2,115	4,050	4,987
Finland	6.8	6.8	-	17.1	4,536	3,557	4,361	3,145	3,786	5,293
Italy [6]	4.8	4.8	-	9.4	3,082	2,546	1,588	2,457	2,887	4,250
Luxembourg	6.0	6.0	-	(NA)	5,854	5,190	4,338	4,965	5,681	12,238
Norway	6.6	6.6	-	12.4	4,921	3,945	870	3,900	4,842	7,439
Sweden	5.7	5.7	-	9.6	4,818	4,606	2,240	4,423	5,146	6,334
Switzerland	5.1	5.1	-	14.7	4,621	4,089	(NA)	(NA)	(NA)	10,187
United Kingdom	4.7	4.7	-	11.4	3,008	2,430	1,659	2,105	2,763	7,960

- Represents or rounds to zero. NA Not available. [1] Expenditures per student estimated. [2] Data included in another category. [3] Public expenditure for education is underestimated because a large part of the pension costs are not included. [4] Public expenditure only. Data not available for expenditure from private sources broken down by ISCED level. [5] Data for private expenditures only. [6] Low percentage of public expenditure for education relative to total public expenditure due to high level of public expenditure and not to low level of expenditure on education.

No. 1385. Educational Attainment: 1989

[Persons 25 to 64 years of age. Educational program levels classified according to the International Standard Classification for Education developed by United Nations Educational, Scientific, and Cultural Organization. Preprimary education covers young children participating in a program intended to foster learning, and emotional and social development. Upper secondary level includes general, technical, or vocational education for students who have completed the first cycle of secondary education. It may either be "terminal" (i.e., preparing students for entry directly into working life) and/or "preparatory" (i.e., preparing students for higher education]

COUNTRY	PERCENT OF POPULATION COMPLETING—						
	Total	Preprimary, Primary	Lower secondary	Upper secondary	Higher education (non-university)	Higher education (university)	Other
Australia	100	14	30	25	21	10	1
Austria	100	(1)	35	60	(1)	5	-
Belgium	100	33	30	20	10	7	-
Canada	100	14	14	41	15	15	-
Denmark [2]	100	(1)	43	40	7	10	-
Finland	100	(1)	42	40	8	10	-
France	100	24	26	33	7	7	3
Ireland	100	37	25	23	7	7	1
Italy	100	44	30	20	(1)	6	-
Japan [3]	100	(1)	30	48	8	13	1
Netherlands [4]	100	19	26	36	13	6	-
New Zealand [4]	100	33	10	25	22	9	1
Norway [4]	100	(1)	35	42	10	11	2
Portugal	100	89	4	2	2	4	-
Spain	100	67	13	10	(1)	9	-
Sweden	100	(1)	33	44	11	12	-
Switzerland	100	(1)	20	50	15	9	6
United Kingdom [5]	100	(1)	35	48	6	9	1
United States	100	8	10	46	12	23	-
West Germany	100	(1)	22	61	7	10	-

- Represents or rounds to zero. [1] Data included in another category. [2] 1988 data. [3] 1987 data. [4] 1990 data. [5] Women 25 to 59 years.

Source of tables 1384 and 1385: Organization for Economic Cooperation and Development, Paris, France, *Education at a Glance*, (copyright).

No. 1386. Number of Women Per 100 Men, by Educational Attainment: 1989

[See headnote, table 1385]

COUNTRY	Total	Preprimary, Primary	Lower secondary	Upper secondary	Higher education (nonuniversity)	Higher education (university)
Australia	99	124	147	32	204	61
Austria	103	(1)	195	75	(1)	62
Belgium	100	128	91	88	137	43
Canada	102	95	99	113	115	78
Denmark [2]	98	(1)	125	77	189	61
Finland	99	(1)	101	109	103	62
France	102	120	122	81	149	63
Ireland	99	87	94	137	119	65
Italy	104	128	88	91	(1)	73
Japan [3]	102	(1)	111	118	252	25
Netherlands [4]	97	130	132	79	93	39
New Zealand [4]	103	127	170	50	163	67
Norway [4]	97	(1)	117	91	91	77
Portugal	110	111	79	86	340	78
Spain	104	114	98	71	(1)	84
Sweden	98	(1)	93	98	125	87
Switzerland	100	(1)	176	115	40	45
United Kingdom [5]	100	(1)	124	81	165	55
United States	105	91	113	122	99	81
West Germany	99	(1)	249	91	31	52

[1] Data included in another category. [2] 1988 data. [3] 1987 data. [4] 1990 data. [5] Women 25 to 59 years.

Source: Organization for Economic Cooperation and Development, Paris, France, *Education at a Glance*, (copyright).

No. 1387. Organization for Economic Cooperation and Development (OECD)—Gross National Product: 1980 to 1990

[For interpretation of the absolute levels of GNP and per capita GNP, the market exchange rates used in converting national currencies do not necessarily reflect the relative purchasing power in the various countries. As a consequence, it should not be concluded, for instance, that the United Kingdom's individual standard of living in 1990 was only 78 percent of that of the United States, as the statistics may imply. Minus sign (-) indicates decrease. For explanation of annual percent change, see Guide to Tabular Presentation]

COUNTRY	GROSS NATIONAL PRODUCT (GNP)					GNP PER CAPITA					Inflation rate, [2] 1989-1990 (percent)
	Total in constant (1990) dollars (bil.)			Annual percent change		In constant (1990) dollars [1]			Annual percent change		
	1980	1985	1990	1980-1990	1989-1990	1980	1985	1990	1980-1990	1989-1990	
United States	**4,182.6**	**4,757.1**	**5,465.1**	**2.7**	**1.0**	**19,466**	**19,948**	**21,863**	**1.8**	**-0.1**	**4.1**
OECD Europe [3]	**5,526.7**	**5,974.4**	**6,974.1**	**2.4**	**2.8**	**14,505**	**14,798**	**16,639**	**1.7**	**1.8**	**5.9**
Belgium	158.3	164.4	192.4	2.0	3.5	16,542	16,673	19,953	2.0	3.6	3.5
Denmark	103.0	117.4	123.5	1.8	1.0	22,016	22,975	24,027	1.8	0.8	2.7
France	954.0	1,028.6	1,187.7	2.2	2.5	18,369	18,644	21,044	1.7	2.0	2.7
Germany [4]	1,216.1	1,291.5	1,507.1	2.2	4.2	20,733	21,183	23,885	1.9	2.3	3.4
Greece	57.6	61.6	67.3	1.6	1.2	6,040	6,203	6,697	1.1	1.0	20.1
Ireland	31.2	32.4	37.4	1.8	4.4	9,065	9,153	10,685	1.5	4.8	3.6
Italy	855.1	925.5	1,078.0	2.4	2.6	15,825	16,197	18,696	2.1	2.3	7.5
Luxembourg	6.4	7.2	9.0	3.5	2.6	19,000	19,568	24,270	3.2	5.4	3.4
Netherlands	232.6	243.2	276.1	1.7	3.0	16,470	16,776	18,481	1.1	2.2	3.1
Portugal	44.7	46.7	58.0	2.6	3.9	4,490	4,596	5,505	1.8	3.3	14.2
Spain	364.6	390.4	486.9	2.9	3.5	9,953	10,148	12,497	2.5	3.3	7.5
United Kingdom	753.0	829.3	975.0	2.6	1.6	14,722	14,647	17,004	2.4	0.9	6.1
Austria	126.8	135.5	158.0	2.2	4.5	17,510	17,923	20,493	2.0	3.2	3.4
Finland	99.2	114.6	137.3	3.3	1.7	22,725	23,388	27,518	2.9	1.1	6.0
Iceland	4.4	4.8	5.4	2.1	-0.1	19,458	20,125	21,680	1.3	-0.2	12.5
Norway	75.8	89.4	105.0	3.3	3.0	20,507	21,672	24,764	2.9	2.7	4.0
Sweden	185.1	202.5	224.7	2.0	0.9	23,753	24,251	26,250	1.6	0.1	9.2
Switzerland	192.2	206.0	235.4	2.1	2.5	30,838	31,829	35,081	1.4	1.6	6.5
Turkey	66.6	83.4	109.9	5.1	7.6	1,619	1,660	1,873	2.2	4.1	53.1
Australia	213.5	250.0	294.2	3.3	2.2	15,259	15,833	17,215	1.7	0.6	3.8
Canada	415.1	477.8	558.0	3.0	1.1	18,267	18,990	21,094	2.0	-0.1	3.1
Japan	1,893.2	2,307.4	2,910.4	4.4	6.1	18,319	19,045	23,558	3.8	5.7	1.9
New Zealand	34.5	41.3	41.9	2.0	0.7	11,981	12,708	12,507	1.2	-0.5	2.9

[1] National currency values converted into dollars by the average 1989 Market Rate, as published by the International Monetary Fund, Washington, DC. [2] GNP or GDP (gross domestic product) implicit price deflators; totals weighted by 1989 (base year) GNP. [3] See text, section 31. [4] Former West Germany (prior to unification).

Source: U.S. Department of State, Bureau of Intelligence and Research, *Economic Growth of OECD Countries, 1980-1990*, Report No. IRR 22

No. 1388. Gross National Product in Current and Constant (1989) Dollars and Per Capita: 1980 to 1989

[**In billions of dollars, except per capita.** For explanation of conversion to U.S. dollars, see headnote, table 1432. For explanation of gross national product (GNP), see text, section 14]

COUNTRY	CURRENT DOLLARS				CONSTANT (1989) DOLLARS						
									Per capita (dol.)		
	1980	1985	1988	1989	1980	1985	1988	1989	1980	1985	1989
United States	**2,732.0**	**4,015.0**	**4,874.0**	**5,201.0**	**4,025.0**	**4,571.0**	**5,073.0**	**5,201.0**	**17,670**	**[1]19,100**	**20,910**
Afghanistan	2.7	[1]2.9	(NA)	(NA)	4.0	[1]3.3	(NA)	(NA)	269	239	(NA)
Algeria	23.9	40.0	42.4	45.3	35.3	45.6	44.1	45.3	1,870	2,054	1,831
Argentina	43.9	48.5	56.5	54.1	64.6	55.2	58.8	54.1	2,289	1,818	1,694
Austria	71.5	99.0	115.9	125.2	105.3	112.7	120.6	125.2	13,950	14,920	16,430
Bangladesh	10.0	15.5	18.8	20.0	14.7	17.6	19.6	20.0	167	174	180
Belgium	89.4	119.4	141.8	154.6	131.8	135.9	147.6	154.6	13,380	13,780	15,620
Brazil	260.6	348.6	430.5	462.3	384.0	396.9	448.2	462.3	3,124	2,874	3,090
Bulgaria	30.6	41.2	48.0	49.6	45.0	46.9	49.9	49.6	5,093	5,246	5,530
Burma	9.8	15.8	14.6	16.3	14.4	17.9	15.2	16.3	429	482	404
Canada	270.2	401.3	496.5	531.0	398.0	456.9	516.8	531.0	16,540	18,140	20,240
Chile	12.6	15.2	20.2	23.3	18.5	17.4	21.1	23.3	1,670	1,438	1,809
China:											
Mainland [1]	186.4	386.3	559.1	603.5	274.6	439.8	582.0	603.5	279	422	547
Taiwan	49.7	90.6	134.6	150.2	73.3	103.2	140.1	150.2	4,104	5,317	7,390
Colombia	19.4	27.3	34.1	36.9	28.6	31.0	35.4	36.9	1,077	1,046	1,139
Czechoslovakia	71.2	97.8	117.1	123.2	104.9	111.3	121.9	123.2	6,874	7,182	7,876
East Germany	89.6	127.4	151.3	159.4	132.0	145.0	157.5	159.4	7,885	8,707	9,669
Egypt	30.6	53.0	64.9	69.8	45.1	60.4	67.6	69.8	1,082	1,277	1,342
Ethiopia	3.3	4.3	5.6	6.0	4.9	4.8	5.8	6.0	128	111	120
France	536.2	740.9	884.2	954.1	790.0	843.5	920.5	954.1	14,660	15,290	17,000
Ghana	2.9	3.6	4.6	5.1	4.3	4.1	4.8	5.1	396	322	350
Greece	32.4	43.4	49.6	52.9	47.8	49.4	51.7	52.9	4,954	4,977	5,286
Hungary	39.3	52.6	63.3	64.7	57.9	59.9	65.9	64.7	5,408	5,621	6,119
India	112.4	188.2	246.2	267.4	165.5	214.2	256.3	267.4	240	279	321
Indonesia	35.1	61.1	79.8	89.4	51.7	69.5	83.1	89.4	334	403	479
Iran [1]	37.8	71.1	71.3	77.5	55.6	80.9	74.3	77.5	1,422	1,716	1,440
Iraq [1]	55.6	41.3	39.6	(NA)	81.9	47.0	41.3	(NA)	6,168	2,992	(NA)
Italy	479.0	665.5	800.6	860.0	705.7	757.6	833.4	860.0	12,500	13,260	14,940
Japan	1,328.0	2,090.0	2,586.0	2,820.0	1,956.0	2,379.0	2,692.0	2,820.0	16,750	19,700	22,900
Kenya	3.8	5.6	7.3	7.9	5.6	6.3	7.6	7.9	336	314	338
Madagascar	1.6	1.9	2.2	2.3	2.4	2.2	2.3	2.3	279	213	205
Malaysia	15.1	24.1	31.2	36.0	22.3	27.4	32.5	36.0	1,619	1,765	2,099
Mexico	114.1	159.2	174.1	186.7	168.1	181.2	181.3	186.7	2,415	2,310	2,170
Morocco	10.7	15.8	20.3	21.7	15.7	18.0	21.1	21.7	764	780	866
Mozambique	0.9	0.9	1.0	1.1	1.4	1.0	1.0	1.1	114	76	78
Nepal	1.3	2.1	2.7	2.8	1.8	2.3	2.8	2.8	123	138	150
Netherlands	129.9	176.4	205.0	222.5	191.4	200.8	213.4	222.5	13,530	13,860	14,980
Nigeria	18.9	22.4	25.2	27.5	27.8	25.5	26.2	27.5	309	248	239
North Korea [1]	21.9	26.3	29.2	30.0	32.3	29.9	30.4	30.0	1,793	1,527	1,427
Pakistan	14.3	25.6	33.7	36.8	21.1	29.1	35.1	36.8	247	293	330
Peru	29.3	36.4	43.3	40.8	43.2	41.5	45.1	40.8	2,497	2,113	1,903
Philippines	25.9	31.8	40.0	44.0	38.2	36.2	41.7	44.0	750	629	697
Poland	108.1	144.4	170.9	174.7	159.3	164.3	177.9	174.7	4,477	4,417	4,625
Portugal	23.8	31.5	40.5	44.6	35.0	35.8	42.2	44.6	3,583	3,525	4,323
Romania	75.0	99.3	112.3	113.4	110.5	113.1	117.0	113.4	4,977	4,977	4,896
South Africa	49.6	70.5	83.6	86.8	73.1	80.3	87.0	86.8	2,414	2,317	2,253
South Korea	62.3	120.6	188.4	210.1	91.9	137.2	196.1	210.1	2,409	3,343	4,920
Soviet Union	1,532.0	2,145.0	2,526.0	2,664.0	2,257.0	2,442.0	2,630.0	2,664.0	8,473	8,757	9,226
Spain	196.2	271.0	340.2	370.7	289.1	308.5	354.2	370.7	7,711	8,014	9,471
Sri Lanka	3.3	5.5	6.5	6.9	4.9	6.3	6.8	6.9	330	392	409
Sudan	9.0	11.7	13.6	15.6	13.3	13.3	14.2	15.6	702	567	608
Sweden	106.0	147.6	174.8	185.8	156.1	168.0	182.0	185.8	18,790	20,110	21,900
Switzerland	103.7	146.4	172.3	184.3	152.8	166.7	179.4	184.3	23,930	25,510	27,510
Syria	11.2	16.7	19.5	19.3	16.6	19.0	20.3	19.3	1,904	1,832	1,608
Tanzania	1.6	2.1	2.5	2.6	2.3	2.4	2.6	2.6	124	108	105
Thailand	24.4	41.3	58.7	68.8	36.0	47.0	61.1	68.8	766	908	1,246
Turkey	34.1	55.6	73.1	77.3	50.3	63.2	76.1	77.3	1,115	1,241	1,380
Uganda	2.0	2.8	3.6	4.0	3.0	3.2	3.8	4.0	232	216	233
United Kingdom	442.8	632.7	783.3	834.4	652.5	720.2	815.4	834.4	11,590	12,720	14,580
Venezuela	29.3	34.7	44.7	41.5	43.1	39.6	46.6	41.5	2,869	2,285	2,158
West Germany	685.6	942.9	1,112.0	1,207.0	1,010.0	1,073.0	1,158.0	1,207.0	16,410	17,590	19,520
Yugoslavia	39.0	51.2	55.9	58.6	57.4	58.2	58.2	58.6	2,574	2,518	2,474
Zaire	5.5	7.5	8.9	9.2	8.1	8.6	9.3	9.2	304	276	258

NA Not available. [1] Estimated.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual. Data from International Bank for Reconstruction and Development and U.S. Central Intelligence Agency.

No. 1389. Annual Growth Rates of Real Gross Domestic Product: 1980 to 1990

[**In percent.** Minus sign (-) indicates decline. See also *Historical Statistics, Colonial Times to 1970*, series F 10-16]

COUNTRY	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
United States	**2.3**	**-2.6**	**3.9**	**7.2**	**3.8**	**3.2**	**3.5**	**4.5**	**2.8**	**0.9**
Per capita	1.2	-3.6	2.9	6.2	2.8	2.2	2.5	3.5	1.8	-0.1
Canada	3.7	-3.2	3.2	6.4	4.7	3.3	4.1	4.7	2.4	0.4
Per capita	2.4	-4.2	2.4	5.6	4.0	2.5	3.0	3.5	1.2	-1.0
France	1.2	2.3	0.8	1.5	1.8	2.4	2.2	3.8	3.6	2.6
Per capita	0.6	1.7	0.3	1.1	1.4	2.0	1.7	3.4	3.1	2.1
Germany [1]	0.2	-0.9	1.6	2.8	1.9	2.2	1.4	3.7	3.2	4.7
Per capita	-	0.9	1.9	3.2	2.1	2.2	1.4	3.1	2.2	2.8
Italy	0.6	0.2	1.0	2.7	2.6	2.9	3.1	4.1	3.0	2.0
Per capita	0.4	-	0.6	2.4	2.3	2.8	2.9	3.9	2.9	1.7
Japan	3.6	3.2	2.7	4.3	5.0	2.6	4.1	6.2	4.7	5.2
Per capita	2.8	2.5	2.0	3.6	4.3	2.0	3.6	5.8	4.3	4.9
United Kingdom	-1.3	1.7	3.7	2.2	3.6	3.9	4.8	4.2	2.3	0.8
Per capita	-1.4	1.8	3.6	2.0	3.3	3.7	4.5	4.0	2.0	0.5

- Represents or rounds to zero. [1] Former West Germany (prior to unification).

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts*, annual.

No. 1390. Gross Domestic Product of Selected Countries as Percent of United States: 1970 to 1989

[Comparisons are based on constant (1985) price data converted to U.S. dollars using 1985 exchange rates]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1970	1975	1980	1985	1986	1987	1988	1989	1970	1975	1980	1985	1986	1987	1988	1989
United States	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada	7	8	9	9	9	9	9	9	70	80	83	83	83	84	84	84
France	13	14	14	13	13	13	13	13	54	58	60	57	57	56	56	57
Italy	10	11	11	11	11	11	11	11	39	41	46	45	45	45	45	46
Japan	26	29	32	33	33	33	34	35	52	57	62	66	66	67	68	70
United Kingdom	13	13	12	11	11	12	12	12	48	49	48	48	49	50	50	51
West Germany	17	17	17	16	16	15	15	15	58	59	63	61	62	61	61	61

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts, 1960-1989.*

No. 1391. Selected International Economic Indicators: 1970 to 1992

[Data cover gross domestic product (GDP) at market prices, except for Germany and Japan, which relate to gross national product. Gross fixed capital formation covers private and government sectors except military. Savings data are calculated by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to foreigners—from disposable personal income. Minus sign (-) indicates decline]

YEAR	United States	France	Germany [1]	Italy	Netherlands	United Kingdom	Japan	Canada
GDP growth rates [2] (constant 1987 prices):								
1970	-	5.7	5.0	5.3	5.4	2.3	10.2	2.6
1980	-0.5	1.6	1.0	4.0	0.9	-1.9	3.5	1.5
1985	3.2	1.9	1.8	2.6	2.6	3.8	5.2	4.8
1990	0.8	2.2	4.9	2.1	3.9	0.5	4.8	-0.5
1991	-1.2	1.0	3.6	1.3	2.2	-2.2	4.1	-1.7
1992	2.1	1.8	0.8	0.9	(NA)	-0.6	1.5	0.9
Ratio of gross fixed capital formation to GDP (current prices):								
1970	18.0	24.3	25.5	24.6	27.2	18.8	35.6	21.3
1980	20.4	23.0	22.5	24.3	21.6	17.9	31.6	23.3
1985	19.4	19.3	19.4	20.7	19.7	16.9	27.4	19.7
1990	16.7	21.2	20.8	20.2	21.3	19.3	32.0	21.2
1991	15.2	20.7	21.5	19.8	20.8	16.6	31.4	19.6
1992	15.2	19.8	21.5	(NA)	(NA)	(NA)	30.3	18.9
Ratio of savings to disposable personal income:								
1970	8.0	18.7	14.7	29.4	13.2	9.0	18.2	5.5
1980	7.9	17.6	14.2	21.6	11.0	13.1	17.9	13.3
1985	6.4	14.0	12.7	18.0	13.1	9.7	15.6	13.1
1990	4.3	12.2	14.7	16.1	16.1	8.3	14.1	10.0
1991	4.7	12.5	14.5	15.6	13.1	9.7	14.6	10.3
1992	4.8	12.6	13.8	(NA)	(NA)	11.6	(NA)	10.2

- Represents or rounds to zero. NA Not available. [1] Former West Germany (prior to unification). [2] Growth rates represent percentage change from preceding year.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Economic Analysis, based on official statistics of listed countries.

No. 1392. Gross Domestic Product, Total and Per Capita, Using Purchasing Power Parities—Selected Countries: 1970 to 1990

[The goods and services produced in different countries should be valued consistently if the differences observed are meant to reflect real differences in the volumes of goods and services produced. The use of purchasing power parities (PPP) instead of exchange rates is intended to achieve this objective. PPP's show how many units of currency are needed in one country to buy the same amount of goods and services which one unit of currency will buy in the other country. For further explanation of PPP, see text, section 31]

COUNTRY	GROSS DOMESTIC PRODUCT (bil. dol.)						GROSS DOMESTIC PRODUCT (dollars)					
	1970	1980	1985	1988	1989	1990	1970	1980	1985	1988	1989	1990
United States	**1,009**	**2,686**	**3,962**	**4,809**	**5,132**	**5,392**	**4,919**	**11,794**	**16,559**	**19,525**	**20,630**	**21,449**
OECD Europe [1]	**1,128**	**3,088**	**4,275**	**5,111**	**5,478**	**5,871**	**3,060**	**7,847**	**10,586**	**12,460**	**13,262**	**14,070**
Austria	24	69	94	109	117	128	3,158	9,081	12,408	14,356	15,402	16,620
Belgium	32	89	119	141	151	164	3,310	9,076	12,067	14,206	15,231	16,405
Denmark	18	47	68	77	81	86	3,724	9,085	13,295	15,053	15,802	16,765
Finland	14	40	59	72	79	82	3,007	8,342	12,028	14,504	15,808	16,453
France	188	525	725	856	921	984	3,696	9,740	13,141	15,319	16,397	17,431
Germany	236	626	847	989	1,061	1,157	3,884	10,170	13,876	16,100	17,093	18,291
Greece	13	43	58	67	72	75	1,507	4,426	5,883	6,670	7,145	7,349
Iceland	1	2	3	4	4	4	2,674	9,448	12,532	15,211	15,400	15,851
Ireland	6	18	26	30	34	37	1,853	5,190	7,246	8,568	9,526	10,659
Italy	168	493	678	813	870	924	3,123	8,743	11,859	14,161	15,126	16,021
Luxembourg	1	4	5	6	7	7	3,919	9,610	13,825	16,802	18,345	19,340
Netherlands	48	131	176	202	218	236	3,699	9,233	12,137	13,664	14,671	15,766
Norway	11	35	53	61	64	68	2,812	8,622	12,818	14,532	15,079	15,921
Portugal	13	42	56	69	76	82	1,545	4,511	5,811	7,105	7,732	8,389
Spain	80	229	314	392	426	459	2,366	6,128	8,159	10,089	10,952	11,792
Sweden	32	79	111	130	138	144	3,986	9,517	13,286	15,368	16,224	16,867
Switzerland	34	77	106	124	134	143	5,351	12,087	16,218	18,641	19,949	20,997
Turkey	22	75	121	159	167	190	628	1,673	2,390	2,948	3,018	3,316
United Kingdom	189	465	656	810	860	903	3,399	8,259	11,590	14,188	15,023	15,720
Australia	47	132	198	238	258	273	3,644	9,003	12,548	14,412	15,324	15,951
Canada	80	253	374	458	487	509	3,733	10,509	14,852	17,648	18,544	19,120
Japan	304	961	1,479	1,824	1,981	2,179	2,932	8,225	12,246	14,875	16,090	17,634
New Zealand	10	25	37	41	43	45	3,474	7,836	11,159	12,164	12,745	13,258

[1] See text, section 31.

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts of OECD Countries*, vol. I, annual.

No. 1393. Food and Beverage Expenditures as a Percent of Total Private Consumption Expenditures—Selected Countries: 1989

COUNTRY	Food	Nonalcoholic beverages	Alcoholic beverages	COUNTRY	Food	Nonalcoholic beverages	Alcoholic beverages
United States	**9.8**	**0.6**	**1.1**	Italy	18.8	0.4	1.1
				Netherlands	14.2	0.6	1.7
Australia	[1]14.8	(NA)	4.2	Norway	18.7	1.3	3.2
Austria	16.3	0.6	2.1	Philippines	52.8	2.4	(NA)
Belgium	15.7	0.5	1.3	Portugal [3]	34.1	0.3	2.0
Canada	[1]11.3	(NA)	2.7	South Africa	27.0	1.4	5.4
Denmark	14.7	0.6	3.4	Spain [4]	21.6	0.5	1.5
Finland	16.2	0.6	4.2	Sweden	16.2	0.6	3.2
France	15.9	0.5	2.0	Switzerland	19.1	[5]7.1	(NA)
Greece	31.3	1.2	3.0	Thailand	27.1	3.6	4.1
India [2]	51.3	0.1	1.1	United Kingdom	11.6	0.9	6.3
Ireland [2]	21.3	1.6	11.9	Venezuela	35.5	3.7	(NA)
Israel	24.0	2.4	0.6	West Germany	[6]20.2	(NA)	(NA)

NA Not available. [1] Food expenditures include nonalcoholic beverages. [2] Data for 1988. [3] Data for 1986. [4] Data for 1987. [5] Nonalcoholic beverage expenditures include all beverages. [6] Food expenditures include all beverages.

Source: U.S. Dept. of Agriculture, Economic Research Service. Based on data from the United Nations, New York, NY, *National Accounts Statistics*, annual.

No. 1394. Per Capita Consumption of Pork, Poultry, Beef, and Veal: 1992

[Preliminary. In pounds per capita. Beef, veal, and pork quantities are as of September and in carcass-weight equivalents; poultry quantities are as of July and are on ready-to-cook basis]

COUNTRY	PORK		COUNTRY	POULTRY		COUNTRY	BEEF AND VEAL	
	Quantity	Rank		Quantity	Rank		Quantity	Rank
Denmark	142.8	1	**United States**	**94.8**	**1**	Argentina	155.2	1
Hungary	137.3	2	Israel	83.7	2	Uruguay	133.4	2
Sweden	120.6	3	Hong Kong	79.3	3	**United States**	**96.6**	**3**
Poland	113.9	4	Singapore	77.2	4	Australia	84.4	4
Czechoslovakia	112.7	5	Canada	61.7	5	Canada	80.7	5
Austria	112.5	6	Saudi Arabia	61.7	6	Baltic States	67.5	6
Spain	110.4	7	Australia	55.1	7	New Zealand	63.9	7
Germany	106.7	8	Spain	52.9	8	France	63.5	8
Belgium-Lux	104.1	9	Taiwan	52.9	9	Czechoslovakia	60.2	9
Hong Kong	90.9	10	United Kingdom	50.7	10	Italy	58.6	10
United States	**70.8**	**22**						

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *World Poultry Situation* and *World Livestock Situation*, annuals.

No. 1395. Percent of Households Owning Selected Appliances—Selected Countries: 1990

APPLIANCE	United States [1]	Belgium	Denmark	France	Germany [2]	Italy	Netherlands	Spain	Sweden	Switzerland	United Kingdom
Cassette recorder	(NA)	75	82	76	74	64	80	67	88	82	82
Clothes washer	76	88	76	88	88	96	91	87	72	78	78
Dishwasher	45	26	26	33	34	18	12	11	31	32	11
Food processor	(NA)	91	83	83	92	48	84	50	77	91	80
Microwave oven	79	21	14	25	36	6	19	9	37	15	48
Radio	(NA)	90	98	98	84	92	97	95	93	99	90
Television set, color/mono	96	97	98	94	97	98	98	98	97	93	98
Tumbledrier	53	39	22	12	17	10	23	5	18	27	32
Vacuum cleaner	(NA)	92	96	89	96	56	98	29	97	93	98
Video recorder	(NA)	42	39	35	42	25	48	40	48	41	58

NA Not available. [1] Represents appliances possessed and generally used by the household (as of November). Source: U.S. Energy Information Administration, *Annual Energy Review*, annual. [2] Former West Germany (prior to unification).

Source: Except as noted, Euromonitor Publications Limited, London, England, *European Marketing Data and Statistics*, annual (copyright).

No. 1396. Motor Vehicle Deaths and Vehicle Registrations for Selected Nations

[Deaths are included if they occur within 30 days after the accident, except as noted. Death data must be compared cautiously because of differences in the volume and kinds of traffic, numbers of vehicles, population density, definitions of deaths, and other factors]

COUNTRY	MOTOR VEHICLE TRAFFIC DEATHS			1990 VEHICLE REGISTRATIONS			
				All vehicles		Passenger cars	
	Year	Number	Rate [1]	Number (mil.)	Persons per vehicle	Number (mil.)	Persons per car
Argentina	1987	3,054	9.8	5.8	5.6	4.3	7.5
Australia	1989	4,210	16.1	9.8	1.7	7.7	2.2
Austria	1990	1,408	18.2	3.7	2.1	3.0	2.5
Belgium	1987	[2]1,937	[2]19.6	4.3	2.3	3.8	2.6
Bulgaria	1990	1,409	15.7	1.5	6.0	1.3	6.9
Canada	1989	[3]4,210	[3]16.1	16.6	1.6	12.6	2.1
Chile	1989	941	7.3	1.0	13.0	0.7	18.0
Costa Rica	1989	389	13.2	0.3	12.0	0.2	20.0
Czechoslovakia	1990	2,127	13.6	3.5	4.5	3.2	4.8
Denmark	1990	617	12.0	1.9	2.7	1.6	3.2
Dominican Republic	1985	557	8.9	0.3	27.0	0.2	45.0
East Germany (former)	1990	3,143	19.5	5.6	2.9	4.8	3.3
Ecuador	1990	2,049	19.4	0.2	44.0	0.1	136.0
Finland	1989	720	14.5	2.2	2.2	1.9	2.6
France	1989	[4]10,198	[4]18.2	28.5	2.0	23.6	2.4
Greece	1989	2,066	20.6	2.5	4.0	1.7	5.8
Hong Kong	1989	309	5.4	0.4	15.0	0.2	24.0
Hungary	1990	2,609	25.2	2.2	4.8	1.9	5.4
Ireland	1989	456	13.0	1.0	3.5	0.8	4.5
Israel	1988	439	9.9	0.9	4.6	0.8	5.6
Italy	1989	[4]8,717	[4]15.1	29.7	1.9	27.3	2.1
Japan	1990	14,398	11.7	57.7	2.1	34.9	3.5
Kuwait	1987	343	18.3	0.6	3.3	0.5	4.2
Netherlands	1989	1,401	9.4	6.1	2.4	5.5	2.7
New Zealand	1989	766	22.9	1.9	1.8	1.6	2.2
Norway	1989	386	9.1	1.9	2.2	1.6	2.6
Panama	1989	320	13.5	0.2	11.0	0.2	16.0
Paraguay	1987	225	9.6	0.1	42.0	0.1	62.0
Poland	1990	8,266	21.7	6.3	6.1	5.3	7.3
Portugal	1990	2,784	28.2	2.2	4.8	1.6	6.6
Puerto Rico	1989	577	15.8	1.5	2.2	1.3	2.5
Singapore	1989	226	8.4	0.4	6.6	0.3	9.4
Sweden	1988	809	9.6	3.9	2.1	3.6	2.3
Switzerland	1990	930	13.9	3.3	2.0	3.0	2.2
Syria	1985	176	1.7	0.2	51.0	0.1	111.0
Thailand	1987	4,441	8.3	2.8	20.0	0.8	66.0
United States	**1989**	**[3]46,586**	**[3]18.8**	**188.7**	**1.3**	**143.5**	**1.7**
Uruguay	1989	477	15.4	0.3	12.0	0.2	17.0
West Germany (former)	1990	7,435	19.7	32.7	1.9	30.7	2.1
Yugoslavia	1989	3,692	15.6	4.4	5.4	3.5	6.8

[1] Deaths per 100,000 population. [2] Deaths occurring at the accident scene only. [3] Deaths occurring within 1 year after the accident. [4] Deaths occurring within three days after the accident.

Source: World Health Organization, Geneva, Switzerland, *World Health Statistics*, annual, and unpublished data; and American Automobile Manufactures Association, Inc., Detroit, MI, *AAMA Motor Vehicle Facts & Figures*, annual (copyright).

No. 1397. Communications—Telephones, Newspapers, Television, and Radio, by Country: 1990

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	Telephone main lines per 100 population [1]	Daily newspaper circulation, copies per 1,000 population [2]	Television receivers per 1,000 population [3]	Radio receivers per 1,000 population [4]
United States	**51**	**250**	**815**	**2,123**
Algeria	3	51	74	233
Argentina	11	124	222	681
Australia	[5]45	249	486	1,280
Austria	42	357	481	624
Bangladesh	[6](Z)	6	5	42
Belgium	40	305	452	778
Bolivia	[5]3	55	163	599
Brazil	6	54	213	379
Bulgaria	[5]22	451	250	438
Burma	[7](Z)	5	2	82
Cambodia	(NA)	(NA)	9	113
Canada	57	[8]228	641	1,026
Chile	6	455	205	342
China, Mainland	1	[8]37	31	184
Colombia	7	61	115	170
Costa Rica	9	[9]102	149	259
Cuba	3	124	207	345
Cyprus	36	111	150	292
Czechoslovakia	15	507	412	587
Denmark	57	352	535	1,030
Dominican Republic	5	32	84	170
East Germany	11	[7]338	514	952
Ecuador	5	87	83	315
Egypt	3	57	109	324
El Salvador	2	87	90	404
Ethiopia	(Z)	[7]1	2	191
Finland	53	559	497	998
France	48	210	406	896
Ghana	(Z)	13	15	266
Greece	39	[7]140	196	423
Guatemala	2	21	52	65
Honduras	2	39	72	385
Hong Kong	42	632	274	649
Hungary	9	233	410	595
Iceland	50	[8]467	320	787
India	1	[8]26	32	79
Indonesia	[5](Z)	28	60	147
Iran	4	27	70	247
Iraq	[8]5	34	69	205
Ireland	28	159	276	583
Israel	34	261	266	471
Italy	39	[5]107	424	797
Jamaica	4	63	130	411
Japan	[5]42	587	620	907
Kenya	1	15	9	125
Kuwait	[7]15	221	285	343
Lebanon	(NA)	118	330	840
Luxembourg	48	389	255	630
Madagascar	[8](Z)	4	20	200
Malaysia	9	140	148	429
Mexico	6	127	139	243
Morocco	2	13	74	209
Netherlands	46	[7]311	906	1,106
New Zealand	43	324	442	929
Nicaragua	1	65	62	249
Nigeria	[7](Z)	16	32	172
Norway	50	614	425	798
Pakistan	[7]1	15	17	87
Panama	9	70	165	223
Paraguay	3	39	59	171
Peru	3	79	97	253
Philippines	1	54	48	138
Poland	9	127	293	429
Portugal	23	38	177	218
Puerto Rico	(NA)	131	267	721
Romania	10	[8]158	194	198
Saudi Arabia	10	42	283	318
Singapore	39	280	376	643
South Africa	10	38	105	326
South Korea	32	280	210	1,006
Soviet Union	[7]12	[5]482	329	686
Spain	32	[7]82	396	306
Sri Lanka	1	32	35	197
Sudan	[7](Z)	24	71	250
Sweden	68	533	474	888
Switzerland	58	463	407	855
Syria	4	22	59	251
Thailand	2	72	112	185
Trinidad and Tobago	14	(NA)	302	468
Tunisia	4	37	80	196
Turkey	12	72	175	161
United Kingdom	44	[7]395	435	1,146
Uruguay	14	233	233	603
Venezuela	8	142	167	436
West Germany	48	[5]338	514	952
Yugoslavia	16	96	198	246
Zimbabwe	1	21	31	85

NA Not available. Z Less than 1 per 100 population. [1] As of December 31. [2] Publications containing general news and appearing at least 4 times a week; may range in size from a single sheet to 50 or more pages. Circulation data refer to average circulation per issue or number of printed copies per issue and include copies sold outside the country. [3] Estimated number of sets in use. [4] Data cover estimated number of receivers in use and apply to all types of receivers for radio broadcasts to the public, including receivers connected to a radio "redistribution system" but excluding television sets. [5] For 1989. [6] For 1979. [7] For 1988. [8] For 1985. [9] For 1991.

Source: International Telecommunications Union, Geneva, Switzerland, *Telecommunication Statistics*, (copyright); and United Nations Educational, Scientific, and Cultural Organization, Paris, France, *Statistical Yearbook* (copyright).

No. 1398. Tax Revenues—Selected Countries: 1980 to 1990

[Covers national and local taxes and Social Security contributions]

COUNTRY	TAX REVENUES, 1990		PERCENT CHANGE IN TOTAL TAX REVENUE AS EXPRESSED IN NATIONAL CURRENCY					TAX REVENUES AS PERCENT OF GROSS DOMESTIC PRODUCT				
	Total (bil. dol.)	Per capita (dol.)	1980-1990	1986-1987	1987-1988	1988-1989	1989-1990	1980	1985	1988	1989	1990
United States	**1,598**	**6,358**	**106.5**	**10.2**	**6.7**	**8.2**	**5.0**	**29.5**	**29.2**	**29.4**	**29.6**	**29.9**
Australia	91	5,300	190.9	13.8	12.0	8.6	2.9	28.5	30.0	30.5	30.4	30.8
Austria	65	8,473	81.6	2.8	4.9	4.3	8.4	41.2	43.1	42.1	41.2	41.6
Belgium	86	8,665	88.2	5.3	3.3	4.6	7.5	44.4	47.6	46.3	44.6	44.9
Canada	214	8,042	147.3	13.4	8.2	9.8	7.1	31.6	33.1	34.5	35.4	37.1
Denmark	63	12,235	129.0	6.6	4.8	2.6	0.3	45.5	49.0	51.7	50.4	48.6
Finland	52	10,469	214.1	2.3	18.6	11.3	7.5	33.0	37.0	37.8	37.4	38.0
France	521	9,229	142.1	6.4	6.0	7.0	5.4	41.7	44.5	43.8	43.7	43.7
Germany [1]	562	8,882	61.5	4.0	4.5	7.7	6.6	38.2	38.1	37.7	38.3	37.7
Greece	24	2,371	658.2	14.6	12.0	11.9	30.3	29.4	35.1	34.7	33.3	36.5
Ireland	16	4,519	200.3	7.5	12.3	1.7	6.3	34.0	38.0	40.6	37.0	37.2
Italy	428	7,432	338.8	9.7	12.9	12.8	13.6	30.2	34.4	37.0	37.9	39.1
Japan	939	7,601	117.7	9.3	8.6	8.4	9.9	25.4	27.6	30.3	30.7	31.3
Luxembourg	4	11,516	139.8	6.3	8.0	10.4	7.6	46.0	50.1	49.7	48.8	50.3
Netherlands	126	8,449	49.1	6.1	4.3	0.0	5.7	45.8	44.9	48.4	45.8	45.2
New Zealand	16	4,814	259.1	22.2	6.3	14.4	-1.1	33.1	34.1	37.2	39.3	38.2
Norway	49	11,533	128.1	4.8	3.6	2.5	7.1	47.1	47.6	47.8	46.0	46.3
Portugal	21	2,107	717.3	10.4	27.7	20.5	17.6	28.7	31.6	34.6	35.1	34.6
Spain	169	4,334	370.1	18.8	11.8	18.5	10.4	23.8	28.8	32.7	34.6	34.4
Sweden	130	15,154	196.2	14.0	7.8	11.4	11.6	49.1	50.4	55.5	56.0	56.9
Switzerland	71	10,490	88.9	3.0	7.1	5.4	7.5	30.8	32.0	32.6	31.7	31.7
Turkey	30	528	8,287.2	57.0	63.6	84.6	85.4	21.7	19.7	22.8	25.4	27.8
United Kingdom	358	6,232	146.6	8.4	11.7	8.5	6.7	35.3	37.9	37.3	37.0	36.7

[1] Former West Germany (prior to unification).

Source: Organization for Economic Cooperation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

No. 1399. Percent Distribution of Tax Receipts, by Type of Tax—Selected Countries: 1980 to 1990

COUNTRY	Total [1]	INCOME AND PROFITS TAXES [2]			SOCIAL SECURITY CONTRIBUTIONS			TAXES ON GOODS AND SERVICES [5]		
		Total [3]	Individual	Corporate	Total [4]	Employees	Employers	Total [3]	General consumption taxes [6]	Taxes on specific goods, services [7]
United States: 1980	100.0	47.0	36.9	10.2	26.2	10.0	15.5	16.6	6.6	7.8
1989	100.0	44.2	35.7	8.5	29.2	11.5	16.5	16.2	7.4	6.8
1990	100.0	43.2	35.8	7.3	29.5	11.6	16.6	16.5	7.6	6.8
Canada: 1980	100.0	46.6	34.1	11.6	10.5	3.7	6.6	32.5	11.5	13.0
1989	100.0	47.4	38.4	8.4	13.1	4.3	8.6	29.3	15.4	10.3
1990	100.0	48.3	40.8	6.8	14.2	4.3	9.7	27.4	13.9	9.9
France: 1980	100.0	18.1	12.9	5.1	42.7	11.1	28.4	30.4	21.1	8.4
1989	100.0	17.4	11.7	5.5	43.8	13.1	27.1	28.6	19.2	8.6
1990	100.0	17.3	11.8	5.4	44.2	13.3	27.3	28.2	18.8	8.5
Germany [8]: 1980	100.0	35.1	29.6	5.5	34.3	15.3	18.4	27.1	16.6	9.3
1989	100.0	35.0	29.5	5.5	36.3	15.7	18.5	25.6	15.5	9.0
1990	100.0	32.1	27.4	4.7	36.8	15.9	18.8	27.4	17.0	9.4
Italy: 1980	100.0	31.1	23.1	7.8	38.0	6.9	28.4	26.5	15.6	9.7
1989	100.0	37.0	26.7	10.0	33.1	6.4	23.8	27.0	14.1	10.3
1990	100.0	36.5	26.3	10.0	32.9	6.3	23.6	28.0	14.7	10.6
Japan: 1980	100.0	46.1	24.3	21.8	29.1	10.2	14.8	16.3	-	14.1
1989	100.0	48.9	24.7	24.3	28.1	10.2	14.7	12.5	3.3	7.6
1990	100.0	48.3	26.8	21.5	29.2	10.9	15.2	13.2	4.2	7.3
Netherlands: 1980	100.0	32.8	26.3	6.6	38.1	15.7	17.8	25.2	15.8	7.3
1989	100.0	28.5	21.3	7.2	41.2	18.4	16.7	26.2	16.3	7.5
1990	100.0	32.3	24.7	7.6	37.3	23.5	7.9	26.4	16.5	7.5
Sweden: 1980	100.0	43.5	41.0	2.5	28.8	-	27.6	24.0	13.4	9.2
1989	100.0	42.9	39.2	3.8	26.2	-	24.9	24.1	13.6	9.6
1990	100.0	41.0	37.9	3.1	27.6	-	25.4	24.6	14.6	9.0
United Kingdom: 1980	100.0	38.2	29.8	8.3	16.6	6.7	9.5	29.2	14.4	13.1
1989	100.0	38.7	26.5	12.2	17.7	7.3	9.5	30.6	16.7	12.4
1990	100.0	39.4	28.4	11.0	17.5	6.6	10.0	30.4	16.6	12.3

- Represents zero. [1] Includes property taxes, employer payroll taxes other than Social Security contributions, and miscellaneous taxes, not shown separately. [2] Includes taxes on capital gains. [3] Includes other taxes not shown separately. [4] Includes contributions of self-employed not shown separately. [5] Taxes on the production, sales, transfer, leasing, and delivery of goods and services and rendering of services. [6] Primary value-added and sales taxes. [7] For example, excise taxes on alcohol, tobacco, and gasoline. [8] Former West Germany (prior to unification).

Source: Organization for Economic Cooperation and Development, Paris, France, *Revenue Statistics of OECD Member Countries*, annual.

No. 1400. Employee-Employer Payroll Tax Rates for Social Security Programs—Selected Countries: 1981 to 1991

[**In percent.** Covers old-age, disability and survivors insurance, public health or sickness insurance, workers' compensation, unemployment insurance, and family allowance programs]

COUNTRY	ALL SOCIAL SECURITY PROGRAMS					OLD-AGE, DISABILITY, SURVIVORS INSUR.				
	1981, total	1985, total	1991			1981, total	1985, total	1991		
			Total	Employer	Employee			Total	Employer	Employee
United States	**17.60**	**18.90**	**19.30**	**11.65**	**7.65**	**10.70**	**11.40**	**12.40**	**6.20**	**6.20**
Austria	35.80	39.90	39.40	23.80	15.60	21.10	22.78	22.80	12.55	10.25
Belgium	34.70	39.71	[1]61.75	49.68	12.07	15.11	16.36	16.36	8.86	7.50
Canada	[2]7.92	[2]9.24	10.00	5.45	4.55	3.60	3.60	4.60	2.30	2.30
France	47.55	51.23	54.41	35.90	[3]18.51	[4]13.00	[4]14.00	[4]17.00	8.20	8.80
Ireland	14.95	23.60	21.70	13.95	[5]7.75	12.00	20.7	18.70	12.20	[5]6.50
Italy	54.30	55.91	55.45	47.26	8.19	24.46	24.36	27.42	20.13	7.29
Japan	[6]21.41	[6]21.61	[6]24.44	12.44	12.00	[7]10.60	[7]10.60	[7]14.50	7.25	7.25
Luxembourg	34.25	34.30	38.10	20.90	17.20	16.00	16.00	16.00	8.00	8.00
Netherlands	54.85	51.18	43.08	12.14	[8]30.94	32.45	24.63	20.05	-	20.05
Sweden	32.65	30.45	34.11	34.11	-	21.15	19.95	20.95	13.50	7.45
Switzerland	11.90	12.00	12.20	7.20	5.00	9.40	9.40	9.60	4.80	4.80
United Kingdom	21.45	19.45	21.45	[9]10.45	[10]11.00	(NA)	(NA)	(NA)	(NA)	(NA)
Germany [11]	34.80	34.30	36.16	18.76	17.40	18.50	18.70	17.70	8.85	8.85

- Represents zero. NA Not available. [1] Refers to blue collar workers in undertakings of 20 or more employees. [2] Excludes work-injury compensation program. [3] Includes new 1.1 percent employee tax on all sources of income. [4] Disability and survivors benefits financed through sickness insurance. [5] Includes 1 percent tax to finance employment training for youth. [6] Total contribution rate for five social security programs, including contribution rates for pension and health insurance that are based on rates for male employees under Employee Pension Insurance and Employee Health Insurance programs. [7] Rate refers to male employees and contributions for employee pension insurance only. [8] In 1990 some employer contributions were shifted to the employee, however employer is required to make a special payment to the employee (11 percent in 1991) as compensation. [9] Five to 10.45 percent. [10] Two percent on first 46 pounds per week plus 9 percent of earnings between 46 and 350 pounds. [11] Former West Germany (prior to unification).

Source: U.S. Social Security Administration, Office of International Policy, unpublished data.

No. 1401. Consumer Prices—Annual Percent Changes, by Country: 1987 to 1992

[See text, section 31, for general comments concerning the data. For additional qualifications of the data for individual countries, see source. Minus sign (-) indicates decrease]

COUNTRY	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992	COUNTRY	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
United States	**4.0**	**4.8**	**5.4**	**4.2**	**3.0**	Italy	5.1	6.3	6.4	6.4	(NA)
Argentina	343.0	3,080	2,314	171.7	24.9	Japan	0.7	2.3	3.1	3.3	1.7
Australia	7.2	7.6	7.3	3.2	1.0	Malaysia	2.6	2.8	2.6	4.4	(NA)
Austria	1.9	2.6	3.3	3.3	4.0	Mexico	114.2	20.0	26.7	22.7	15.5
Bangladesh	9.3	10.0	8.1	7.2	(NA)	Netherlands	0.7	3.9	3.7	4.0	(NA)
Belgium	1.2	3.1	3.4	3.2	2.4	Norway	6.7	4.6	4.1	3.4	2.3
Bolivia	16.0	15.0	17.0	21.0	(NA)	Pakistan	8.8	7.8	9.1	11.8	9.5
Brazil	682.3	1,287	2,938	440.8	(NA)	Peru	667.0	3,399	7,482	409.5	73.5
Canada	4.0	5.0	4.8	5.6	1.5	Philippines	8.8	12.2	14.1	18.7	8.9
Chile	14.7	17.0	26.0	21.8	15.4	Portugal	9.6	12.6	13.4	11.4	8.9
Colombia	28.1	25.8	29.1	30.4	27.0	Romania	2.8	0.7	4.2	(NA)	(NA)
Ecuador	58.2	75.6	48.5	48.7	54.6	South Africa	12.8	14.7	14.4	15.3	13.9
Egypt	17.7	21.3	16.8	19.8	13.6	South Korea	7.1	5.7	8.6	9.7	6.2
France	2.7	3.9	3.2	3.2	2.4	Spain	4.8	6.8	6.7	5.9	5.8
Ghana	31.4	25.2	37.3	18.0	(NA)	Sweden	5.8	6.4	10.5	9.3	2.3
Greece	13.5	13.7	20.4	19.5	15.8	Switzerland	1.9	3.2	5.4	5.8	4.0
Guatemala	10.8	11.4	41.2	33.2	10.0	Thailand	3.9	5.4	5.9	5.7	(NA)
India	9.4	6.2	9.0	13.9	11.8	Turkey	75.4	63.3	60.3	66.0	70.1
Indonesia	8.0	6.4	7.5	9.2	7.5	United Kingdom	4.9	7.8	9.5	5.9	3.7
Iran	28.7	22.3	7.6	17.1	22.9	Venezuela	29.5	84.2	40.8	34.2	31.4
Israel	16.3	20.2	17.2	19.0	11.9	Germany	1.3	2.8	2.7	3.5	4.0

NA Not available.

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly.

No. 1402. Civilian Employment-Population Ratios, by Sex, and Females as Percent of Total Civilian Employment—Selected Countries: 1970 to 1991

[See headnote, table 1403]

COUNTRY	CIVILIAN EMPLOYMENT-POPULATION RATIOS [1]										CIVILIAN EMPLOYMENT, PERCENT FEMALE				
	Women					Men									
	1970	1980	1985	1990	1991	1970	1980	1985	1990	1991	1970	1980	1985	1990	1991
United States	**40.8**	**47.7**	**50.4**	**54.4**	**53.7**	**76.2**	**72.0**	**70.9**	**71.9**	**70.2**	**37.7**	**42.4**	**44.1**	**45.4**	**45.6**
Australia	39.3	41.9	42.9	49.3	48.1	83.2	75.1	70.4	71.3	68.2	32.4	36.4	38.4	41.3	41.8
Canada	36.1	46.2	48.8	53.7	52.6	73.4	73.0	68.7	69.8	66.7	33.6	39.7	42.7	44.7	45.3
France	38.1	40.1	39.6	[2]40.3	[2]40.2	76.3	68.5	62.3	61.3	[2]60.9	36.0	39.5	41.4	42.3	[2]42.3
Germany [3]	(NA)	37.7	37.1	[2]40.3	(NA)	(NA)	70.9	66.4	[2]65.8	(NA)	(NA)	38.0	39.0	[2]40.7	41.2
Italy	25.0	27.9	27.8	[2]29.2	[2,4]29.6	71.9	66.0	62.5	[2]60.1	[2,4]60.4	27.7	31.7	32.8	[2]34.7	[2,4]34.9
Japan	48.2	45.7	46.3	48.0	48.6	80.5	77.9	75.9	75.4	75.8	39.0	38.4	39.4	40.3	40.4
Netherlands	(NA)	31.0	33.4	(NA)	(NA)	(NA)	74.1	67.6	(NA)	(NA)	(NA)	30.2	34.0	(NA)	(NA)
Sweden	49.1	58.0	59.7	[2]62.7	[2]61.6	77.4	73.6	70.5	[2]71.7	[2]70.3	39.5	45.2	47.2	[2]47.8	[2]47.9
United Kingdom	41.2	44.8	44.3	[2]49.8	[2]49.1	79.2	72.8	67.1	[2]70.1	[2]67.7	36.7	40.4	42.0	[2]43.6	[2]44.1

NA Not available. [1] Civilian employment as a percent of the civilian working age population. [2] Preliminary. [3] Former West Germany (prior to unification). [4] Break in series.

Source: U.S. Bureau of Labor Statistics, *Comparative Labor Force Statistics for Ten Countries, 1959-1991*, November 1992.

No. 1403. Civilian Labor Force, Employment, and Unemployment—Selected Countries: 1970 to 1991

[Data based on U.S. labor force definitions adopted in 1967 (see text, section 13) except that minimum age for population base varies as follows: United States, France, Sweden, and beginning 1980, United Kingdom, 16 years; Australia, Canada, Japan, Netherlands, Germany, and for 1970, United Kingdom, 15 years; Italy, 14 years]

YEAR	United States	Australia	Canada	France	Germany [1]	Italy	Japan	Netherlands	Sweden	United Kingdom
Civilian labor force (mil.):										
1970	82.8	5.5	8.4	20.8	26.2	19.7	50.7	(NA)	3.9	25.1
1980	106.9	6.7	11.6	22.8	27.3	21.1	55.7	5.9	4.3	26.5
1985	115.5	7.3	12.5	23.4	28.0	21.8	58.8	6.2	4.4	27.2
1990	124.8	8.5	13.7	23.9	[2]29.4	[2]22.7	63.0	6.8	4.6	28.5
1991	125.3	8.5	13.8	24.1	[2]29.8	[2 3]22.9	64.3	[2]6.9	4.6	[2]28.4
Labor force participation rate: [4]										
1970	60.4	62.1	57.8	57.5	56.9	49.0	64.5	(NA)	64.0	61.1
1980	63.8	62.1	64.1	57.2	54.7	48.2	62.6	55.4	66.9	62.5
1985	64.8	61.6	65.3	56.3	54.7	47.2	62.3	55.5	66.9	62.2
1990	66.4	64.7	67.0	55.2	[2]55.1	[2]47.3	62.6	56.8	[2]68.1	[2]63.9
1991	66.0	64.3	66.3	[2]55.3	[2]55.5	[2 3]47.7	63.2	[2]57.6	[2]67.6	[2]63.6
Civilian employment (mil.):										
1970	78.7	5.4	7.9	20.3	26.1	19.1	50.1	(NA)	3.8	24.3
1980	99.3	6.3	10.7	21.3	26.5	20.2	54.6	5.5	4.2	24.7
1985	107.2	6.7	11.2	20.9	26.0	20.5	57.3	5.6	4.3	24.2
1990	117.9	7.9	12.6	21.7	[2]28.0	[2]21.1	61.7	6.3	4.6	26.6
1991	116.9	7.7	12.3	21.8	[2]28.5	[2 3]21.4	62.9	[2]6.4	4.5	[2]25.9
Employment-population ratio: [5]										
1970	57.4	61.1	54.5	56.0	56.6	47.4	63.8	(NA)	63.1	59.2
1980	59.2	58.3	59.3	53.5	53.1	46.1	61.3	52.1	65.6	58.1
1985	60.1	56.5	58.5	50.4	50.7	44.4	60.6	50.1	65.0	55.2
1990	62.7	60.2	61.5	50.2	[2]52.3	[2]44.0	61.3	[2]52.6	67.0	[2]59.5
1991	61.6	58.1	59.5	[2]50.0	[2]53.0	[2 3]44.4	61.8	[2]53.5	65.8	[2]58.0
Unemployment rate:										
1970	4.9	1.6	5.7	2.5	0.5	3.2	1.2	(NA)	1.5	3.1
1980	7.1	6.1	7.5	6.4	2.8	4.4	2.0	6.0	2.0	7.0
1985	7.2	8.3	10.5	10.4	7.2	6.0	2.6	9.6	2.8	11.2
1990	5.5	6.9	8.1	9.1	[2]5.0	[2]7.0	2.1	[2]7.5	1.5	[2]6.9
Under 25 years old	11.1	13.1	12.8	(NA)	4.7	[6]21.8	4.4	(NA)	3.5	[6]10.1
Teenagers [7]	15.5	16.9	14.2	(NA)	4.3	[6]27.3	6.7	(NA)	4.5	[6]11.5
20 to 24 years old	8.8	10.2	11.8	(NA)	4.9	[6]19.2	3.7	(NA)	3.0	[6]9.3
25 years old and over	4.4	5.1	7.0	(NA)	5.0	[6]4.3	1.8	(NA)	1.2	[6]5.9
1991	6.7	9.6	10.3	9.6	4.4	[2 3]6.9	2.1	[2]7.0	2.6	[2]8.8

NA Not available. [1] Former West Germany (prior to unification). [2] Preliminary. [3] Break in series. [4] Civilian labor force as a percent of the civilian working age population. [5] Civilian employment as a percent of the civilian working age population. [6] Italian data are for April; United Kingdom data are for April-June. [7] 16 to 19 years old in the United States, France, Sweden, and the United Kingdom; 15 to 19 years old in Canada, Australia, and Japan; and 14 to 19 years old in Italy and Germany.

Source: U.S. Bureau of Labor Statistics, *Comparative Labor Force Statistics for Ten Countries, 1959-1991*, November 1992, and *Monthly Labor Review*.

No. 1404. Labor Force Participation Rates, by Sex and Age-Group—Selected Countries: 1980 and 1991

[Participation rates represent percent of population of each specified group in labor force]

COUNTRY AND SEX	15 TO 19 YEARS OLD		20 TO 24 YEARS OLD		25 TO 54 YEARS OLD		55 TO 64 YEARS OLD		65 YEARS AND OVER	
	1980	1991	1980	1991	1980	1991	1980	1991	1980	1991
United States: Male	[1]60.5	53.5	85.7	83.1	93.4	92.3	71.2	66.3	18.3	15.2
Female	[1]52.4	50.2	69.1	70.5	63.8	74.0	41.0	45.0	7.6	8.0
Canada: Male	57.9	55.8	86.3	81.5	94.8	92.5	76.2	62.5	14.8	11.3
Female	52.2	53.8	73.0	75.6	60.1	75.8	33.6	35.6	4.4	3.5
France: Male	25.7	12.3	80.2	62.3	96.4	95.3	68.5	44.5	7.5	3.5
Female	18.3	6.8	67.5	53.7	63.0	73.7	39.7	30.6	3.3	1.5
Italy: Male	33.3	23.2	72.5	69.5	[2]93.1	90.7	[3]39.6	34.9	9.0	5.2
Female	28.9	19.0	57.9	61.2	[2]39.9	49.9	[3]11.0	10.0	2.3	1.6
Japan: Male	17.4	19.1	69.6	72.8	97.0	97.2	85.4	84.5	41.0	38.0
Female	18.5	17.8	70.0	75.6	56.7	65.0	45.3	48.5	15.5	16.6
Sweden: Male	55.3	42.3	84.5	82.8	95.4	94.6	78.7	75.5	14.2	14.7
Female	55.8	47.1	81.6	77.5	82.9	90.5	55.3	66.9	3.7	5.1
United Kingdom: Male	73.6	73.6	86.0	85.7	95.4	93.4	81.6	67.5	10.3	8.4
Female	75.3	70.9	67.9	72.7	63.4	72.9	39.1	39.2	3.6	3.1

[1] Persons 16 to 19 years old. [2] Persons 25 to 59 years old. [3] Persons 60 to 64 years old.

Source: Organization for Economic Cooperation and Development, Paris, France, *Labour Force Statistics*, annual.

No. 1405. Poverty Rates in the Mid-1980's

[Percent of people with income below 40 percent of adjusted household median disposable income after taxes and transfers. (The U.S. official poverty line was approximately 41 percent of median adjusted income in both 1979 and 1986). Income: all forms of cash income (earnings, property income, and all cash transfers including the value of foodstamps in the United States and housing allowances in the United Kingdom and Sweden). Income is adjusted using the U.S. Poverty Line Equivalence Scale which weights a single person household at 1.0; two persons at 1.35; three persons at 1.70; four persons at 2.05; five persons at 2.40, etc. Adjusted income is then compared to the 40 percent poverty line. Data from Luxembourg Income Study, see text, section 31, and source for details]

ITEM	United States 1985	Canada 1987	Australia 1985	Sweden 1987	West Germany 1984	Netherlands 1987	France 1984	United Kingdom 1986
All people	13.3	7.0	6.7	4.3	2.8	3.4	4.5	5.2
Elderly, 65 years old and over	10.9	2.2	4.0	0.7	3.8	-	0.7	1.0
Adults, 18 to 64 years old	10.5	7.0	6.1	5.6	2.6	3.9	5.2	5.3
With children [1]	12.7	6.6	6.6	1.5	2.0	2.8	4.4	6.3
No children [1]	8.4	7.4	5.5	9.7	3.0	4.9	6.1	4.4
All children [1]	20.4	9.3	9.0	1.5	2.8	3.8	4.6	7.4

- Represents or rounds to zero. [1] Children 17 years old and under.

Source: Timothy M. Smeeding, Syracuse, NY, "Why the U.S. Antipoverty System Doesn't Work Very Well," *Challenge*, January/February, 1992.

No. 1406. Child Poverty Rates

[Percent of children, 17 years old and under, in households with income below 40 percent of adjusted household median disposable income after taxes and transfers. See headnote, table 1405]

HOUSEHOLD TYPE	United States 1979	Canada 1981	Australia 1981	Sweden 1981	West Germany 1979	Netherlands 1983	France 1979	United Kingdom 1986
All children [1]	14.7	10.2	8.6	2.1	1.3	4.0	4.7	3.3
One-parent households [2]	46.1	39.9	33.6	3.7	3.3	1.5	11.9	10.9
Two-parent households [3]	7.2	7.2	6.5	1.8	0.6	0.7	3.4	3.0
Extended households [4]	13.7	5.3	3.6	(NA)	3.5	18.6	8.0	0.5
	United States 1985	Canada 1987	Australia 1985	Sweden 1987	West Germany [5] 1984	Netherlands 1987	France 1984	United Kingdom 1986
All children [1]	20.4	9.3	9.0	1.5	2.8	3.8	4.6	7.4
One-parent households [2]	54.2	37.1	34.6	2.0	15.9	3.8	13.1	8.5
Two-parent households [3]	11.5	7.0	6.9	0.9	2.2	(NA)	(NA)	(NA)
Extended households [4]	22.4	4.9	4.4	(NA)	2.7	(NA)	(NA)	(NA)

NA Not available. [1] All children regardless of living arrangements. [2] Children living with one adult in the household. [3] Children living with two adults, a married couple, or two persons living as married and no other adults in the household. [4] Persons in all other living arrangements, including those with children over age 18. [5] Not directly comparable with 1981 data.

Source: Timothy M. Smeeding, Syracuse, NY, "Cross National Perspectives on Trends in Child Poverty and the Effectiveness of Government Policies in Preventing Poverty Among Families with Children in the 1980's: The First Evidence from LIS."

No. 1407. Organization for Economic Cooperation and Development (OECD)—Index of Industrial Production: 1980 to 1991

[Industrial production index measures output in the manufacturing, mining, and electric and gas utilities industries. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

COUNTRY	INDEX (1985=100)							AVERAGE ANNUAL PERCENT CHANGE					
	1980	1986	1987	1988	1989	1990	1991	1980-1991	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991
OECD, total	**90.6**	**101.1**	**104.8**	**110.8**	**114.8**	**116.7**	**116.1**	**2.3**	**3.6**	**5.7**	**3.7**	**1.7**	**-0.5**
United States	**89.1**	**100.9**	**105.9**	**111.7**	**114.5**	**115.7**	**113.4**	**2.2**	**5.0**	**5.4**	**2.6**	**1.0**	**-2.0**
Australia [1]	98.1	101.0	102.0	105.4	115.4	118.4	114.7	1.4	1.0	3.3	5.5	2.6	-3.1
Austria	92.2	101.1	102.1	106.6	112.9	121.2	123.4	2.6	1.0	4.4	6.0	7.4	1.8
Belgium	96.0	100.8	103.0	109.7	113.4	117.7	115.3	1.7	2.1	6.5	3.4	3.8	-2.0
Canada [2]	86.2	99.3	104.1	109.8	109.1	104.6	100.3	1.4	4.9	5.5	-0.1	-4.6	-4.1
Finland	86.0	100.8	105.0	111.1	113.8	114.3	104.1	1.7	4.2	5.8	2.4	0.4	-8.9
France	101.9	100.9	102.8	107.6	112.0	114.1	114.3	1.0	1.9	4.6	4.1	1.9	0.2
Germany [3]	97.2	102.1	102.5	106.2	111.5	117.2	120.6	2.0	0.4	3.6	5.0	5.1	2.9
Greece	92.5	99.0	97.5	102.5	104.4	101.9	100.5	0.8	-1.5	5.2	1.8	-2.4	-1.4
Ireland	78.0	102.3	111.3	123.2	137.5	143.9	148.8	5.9	8.9	10.7	11.6	4.7	3.4
Italy	103.2	104.1	106.8	114.2	118.7	117.9	115.4	1.0	2.6	6.9	3.9	-0.7	-2.1
Japan	84.4	99.8	103.3	112.8	119.7	125.4	128.2	3.8	3.4	9.3	6.0	4.8	2.2
Luxembourg	82.3	101.9	101.2	110.0	118.6	118.0	118.6	3.3	-0.6	8.7	7.8	-0.5	0.5
Netherlands	94.6	100.2	101.3	101.3	106.5	109.0	113.2	1.6	1.1	-0.1	5.1	2.4	3.9
Norway	82.4	103.5	111.3	117.0	126.1	126.3	128.9	4.1	7.5	5.1	16.3	0.2	2.1
Portugal	84.9	107.3	112.0	116.2	124.1	135.2	135.3	4.2	4.4	3.8	6.7	8.9	0.1
Spain	96.7	103.1	107.8	111.1	116.1	116.2	115.1	1.6	4.6	3.1	4.5	0.1	-1.0
Sweden [4]	90.2	100.4	103.0	104.3	108.1	105.2	96.8	0.6	2.5	1.3	3.7	-2.7	-8.0
Switzerland [5]	96.8	103.8	105.0	111.6	114.9	118.0	119.0	1.9	1.2	6.2	3.0	2.6	0.9
United Kingdom	92.5	102.3	105.7	109.7	109.9	109.2	106.1	1.2	3.3	3.8	0.2	-0.6	-2.8

[1] Index of Real Gross Product in industry. [2] Gross domestic product in industry at factor cost and 1986 prices. [3] Former West Germany (prior to unification). [4] Mining and manufacturing. [5] Excludes mining and quarrying.

Source: Organization for Economic Cooperation and Development, Paris, France, *Main Economic Indicators, Historical Statistics, 1969-1988*, 1990; and *Main Economic Indicators*, monthly.

No. 1408. International Economic Composite Indexes—Average Annual Percent Change: 1980 to 1992

[The coincident index changes are for calendar years and the leading index changes are for years ending June 30 because they lead the coincident indexes by about 6 months, on average. The G-7 countries are United States, Canada, France, Germany, Italy, United Kingdom, and Japan. Average annual percent changes derived from indexes with base 1980 = 100. Minus sign (-) indicates decrease]

COUNTRIES	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992
LEADING INDEX												
Total, 11 countries	-0.9	-0.8	1.6	9.2	2.9	2.1	4.7	7.8	5.0	2.2	-1.6	0.7
10 countries, excluding U.S.	-2.1	0.6	0.7	5.9	4.5	1.7	5.3	8.0	5.9	3.1	-1.1	-2.1
G-7 countries	-1.0	-0.9	1.6	9.2	2.8	1.9	4.5	7.6	4.9	2.2	-1.7	0.5
North America	1.0	-3.2	2.7	14.0	1.1	2.6	3.8	7.1	3.6	0.6	-2.7	4.6
United States	0.9	-2.9	2.9	14.2	0.9	2.5	3.9	7.3	3.8	0.9	-2.4	4.8
Canada	1.3	-6.3	0.5	11.3	4.3	3.0	2.7	6.1	1.0	-2.5	-5.1	1.5
4 European countries	-1.4	0.7	1.2	4.0	2.3	2.4	3.7	3.1	4.2	1.3	0.6	1.0
France	-0.7	0.9	0.7	4.0	2.5	2.1	6.1	5.1	6.2	0.3	1.4	2.7
Germany [1]	-2.9	-0.9	1.9	6.0	2.0	2.9	1.6	3.5	5.2	4.4	3.0	0.5
Italy	5.1	-0.3	-0.6	1.3	2.8	4.6	4.9	-	1.6	-0.4	-1.8	-0.5
United Kingdom	-4.3	3.6	2.1	3.4	2.0	0.5	3.4	2.1	2.5	-1.1	-2.0	0.2
5 Pacific region countries	-3.7	1.7	-0.2	8.2	7.8	0.8	7.8	15.9	8.6	6.3	-2.6	-6.4
Australia	2.2	-4.1	-3.9	9.8	6.8	2.9	3.3	7.1	4.9	-1.9	-3.3	1.3
China: Taiwan	5.7	5.0	8.1	11.8	6.4	8.2	13.6	14.5	12.3	7.5	1.3	8.0
Japan	-5.2	2.0	-0.4	7.8	8.3	-0.4	7.6	17.6	8.9	7.3	-3.1	-8.7
South Korea	5.0	6.8	8.0	9.3	4.6	9.7	16.7	12.8	8.9	4.1	3.8	4.8
New Zealand	0.5	2.9	-1.7	6.4	5.3	-1.1	2.8	-1.5	0.9	1.5	-3.1	2.5
COINCIDENT INDEX												
Total, 11 countries	0.6	-2.0	1.6	6.0	3.7	3.2	4.1	6.0	4.8	3.3	-0.1	0.5
10 countries, excluding U.S.	0.6	0.5	1.2	3.6	3.9	3.5	4.4	6.9	6.4	5.6	2.5	0.7
G-7 countries	0.4	-2.1	1.7	5.8	3.6	3.0	3.9	5.9	4.7	3.4	-0.1	0.4
North America	0.8	-5.6	2.4	9.3	3.6	2.6	3.8	4.6	2.4	-0.4	-4.4	0.3
United States	0.5	-5.6	2.3	9.7	3.5	2.5	3.7	4.7	2.4	-0.4	-4.5	0.3
Canada	3.8	-4.8	2.0	6.3	5.2	3.5	4.9	5.9	2.6	0.1	-3.8	0.3
4 European countries	-1.7	-0.3	0.6	2.0	3.0	3.5	3.8	5.9	5.9	5.7	1.7	0.1
France	0.3	2.9	2.0	0.4	1.5	3.9	5.0	8.0	8.6	7.2	2.4	1.7
Germany [1]	-0.9	-2.4	-0.5	2.7	3.5	4.3	3.0	3.6	5.4	7.0	5.0	0.1
Italy	-1.4	-0.3	-1.1	3.5	2.4	1.8	1.4	5.3	2.1	4.7	2.0	0.1
United Kingdom	-5.4	-0.8	1.6	2.2	4.2	3.3	5.0	7.3	5.8	2.5	-4.1	-1.8
5 Pacific region countries	3.7	2.7	1.9	5.3	5.1	3.7	5.1	8.3	7.4	6.6	4.4	1.4
Australia	6.0	-2.5	-6.8	9.4	7.5	5.1	3.7	6.3	10.2	0.6	-6.9	-0.4
China: Taiwan	5.1	2.9	7.3	12.1	4.9	10.8	11.6	6.0	6.1	1.7	4.3	5.5
Japan	3.3	3.2	2.3	4.6	4.7	2.7	4.6	8.4	7.3	7.4	5.6	1.3
South Korea	6.7	6.3	11.0	9.0	5.6	11.7	13.5	10.6	6.2	8.8	7.8	4.2
New Zealand	2.4	0.9	0.8	3.6	2.1	1.4	1.4	-1.0	-0.4	1.3	-0.7	1.5

- Represents or rounds to zero. [1] Former West Germany (prior to unification).

Source: Center for International Business Cycle Research, Columbia Business School, New York, NY, *International Economic Outlook*, monthly.

No. 1409. Patents, Top Countries: 1991

[Includes only U.S. patents granted to residents of areas outside of the United States and its territories]

TOP COUNTRIES	Total [1]	Inventions	Designs	TOP COUNTRIES	Total [1]	Inventions	Designs
Total, foreign country residents	**49,042**	**45,338**	**3,496**	Netherlands	1,075	992	55
Japan	22,391	21,029	1,307	Sweden	831	716	112
Germany	7,984	7,680	257	Australia	571	463	98
France	3,249	3,030	193	South Korea	446	402	44
United Kingdom	3,050	2,801	238	Austria	388	359	29
Canada	2,303	2,036	260	Belgium	366	324	40
Switzerland	1,448	1,335	110	Finland	343	331	12
Italy	1,388	1,209	176	Israel	326	307	19
China: Taiwan	1,094	904	190	Denmark	285	210	72
				Other countries	1,504	1,210	284

[1] Includes patents for botanical plants and reissues, not shown separately.

Source: U.S. Patent and Trademark Office, Technology Assessment and Forecast Data Base.

No. 1410. World's 500 Largest Industrial Corporations: 1991

[**Sales as of December 31, 1991, assets as of company's fiscal year-end.** Companies must have derived more than 50 percent of their sales from manufacturing and/or mining. Sales of consolidated subsidiaries are included and exclude excise taxes collected by manufacturers. Profits are shown after taxes and extraordinary credits or charges]

COUNTRY	Number of companies	Sales ($bil.)	Profits ($bil.)	Assets ($bil.)	Employees (1,000)	COUNTRY	Number of companies	Sales ($bil.)	Profits ($bil.)	Assets ($bil.)	Employees (1,000)
Australia	9	48	15	671	235	Japan	119	1,097	258	11,827	3,458
Canada	9	49	12	685	289	Netherlands	7	58	12	576	405
Finland	5	28	-10	338	95	South Korea	13	143	14	1,185	547
France	32	337	75	4,376	1,866	Sweden	14	93	6	1,052	615
Germany	33	473	91	3,998	3,017	Switzerland	10	117	53	1,306	754
India	6	27	7	328	966	U.K.	45	477	222	4,831	2,587
Italy	7	186	7	1,235	851	**U.S.**	**157**	**1,785**	**435**	**20,148**	**9,045**

Source: Time Warner, New York, NY, *The Fortune Directories*, (copyright).

No. 1411. Indexes of Hourly Compensation Costs for Production Workers in Manufacturing—Selected Countries: 1980 to 1992

[**United States = 100.** Compensation costs include pay for time worked, other direct pay, employer expenditures for legally required insurance programs and contractual and private benefit plans, and for some countries, other labor taxes. Data adjusted for exchange rates. Area averages are trade-weighted to account for differences in countries' relative importance to U.S. trade in manufactured goods. The trade weights used are the sum of U.S. imports of manufactured products for consumption (customs value) and U.S. domestic exports of manufactured products (f.a.s. value) in 1986; see source for detail

AREA OR COUNTRY	1980	1985	1989	1990	1991	1992	AREA OR COUNTRY	1980	1985	1989	1990	1991	1992
United States	100	100	100	100	100	100	Austria [6]	87	56	95	114	111	122
Total [1]	71	55	83	90	92	96	Belgium	133	69	108	129	127	136
OECD [2]	84	65	97	105	107	111	Denmark	110	62	101	120	117	124
Europe [3]	103	63	102	119	118	126	Finland [7]	83	63	116	139	132	116
Asian newly industrializing economies [4]	12	12	23	25	27	30	France	91	58	88	102	96	104
Canada	88	84	104	107	110	105	Germany [8]	125	74	124	147	145	160
Mexico	22	12	10	11	13	15	Greece	38	28	38	45	44	(NA)
Australia	85	63	86	86	86	80	Ireland	60	46	67	79	77	82
Hong Kong [5]	15	13	19	21	23	24	Italy	83	59	101	117	117	120
Israel	38	31	54	57	56	(NA)	Luxembourg	121	59	95	110	(NA)	(NA)
Japan	56	49	87	85	93	100	Netherlands	122	67	105	123	118	128
South Korea	10	10	23	26	28	30	Norway	117	80	128	144	139	143
New Zealand	54	34	54	56	54	49	Portugal	21	12	20	25	27	31
Singapore	15	19	22	25	28	31	Spain	60	36	62	76	78	83
Sri Lanka	2	2	2	2	(NA)	(NA)	Sweden	127	74	122	140	142	150
China: Taiwan	10	12	25	26	28	32	Switzerland	112	74	117	140	139	144
							United Kingdom	77	48	74	85	88	91

NA Not available. [1] The 25 foreign economies for which 1992 data are available. [2] Canada, Australia, Japan, New Zealand, and the 16 European countries for which 1992 data are available. [3] The 16 European countries for which 1992 data are available. [4] Hong Kong, South Korea, Singapore, and China: Taiwan. [5] Average of selected manufacturing industries. [6] Excludes workers in establishments considered handicraft manufactures (including all printing and publishing and miscellaneous manufacturing in Austria). [7] Includes workers in mining and electrical power plants. [8] Former West Germany (prior to unification).

Source: Bureau of Labor Statistics, *Report 844*, April 1993.

No. 1412. Structure of Manufacturing Industry for Selected Countries

[**In percent.** Contribution of each industry group to total manufacturing production. Based on International Standard Industrial Classification; see text, section 31, and source. Numbers in parentheses refer to ISIC codes]

COUNTRY	Food [1] (3100)	Textile [2] (3200)	Wood [3] (3300)	Paper [4] (3400)	Chemical [5] (3500)	Nonmetal [6] (3600)	Basic metal [7] (3700)	Machinery [8] (3800)	Other (3900)
United States: 1980	14.5	5.6	2.8	7.7	22.2	2.5	6.8	36.6	1.3
1985	14.1	5.3	2.9	9.1	19.9	2.4	4.5	40.8	1.1
1988	14.1	5.3	3.1	9.8	18.4	2.5	5.1	40.5	1.2
1989	14.0	5.1	3.1	9.9	19.0	2.4	5.0	40.2	1.2
1990	14.5	4.9	3.1	9.9	19.9	2.3	4.7	39.5	1.2
Japan: 1980	11.3	5.4	3.6	6.2	19.3	3.9	11.4	37.7	1.2
1985	11.0	4.9	2.4	6.1	16.7	3.3	8.5	45.7	1.4
1988	11.1	4.7	2.6	6.7	14.3	3.5	7.4	48.4	1.4
1989	10.6	4.4	2.5	6.7	14.1	3.4	7.5	49.3	1.4
1990	10.2	4.2	2.5	6.6	14.2	3.3	7.4	50.2	1.4
France: 1980	17.0	6.9	3.1	5.6	21.4	3.5	8.4	32.6	1.3
1985	17.6	6.9	2.5	6.5	21.6	3.0	7.3	33.3	1.3
1988	16.8	6.4	2.8	7.3	18.4	3.4	7.0	36.6	1.3
1989	16.5	6.1	2.8	7.4	18.4	3.3	7.2	37.2	1.3
1990	16.5	5.9	2.8	7.4	18.4	3.4	6.5	37.9	1.3
Italy: 1980	12.2	11.4	3.2	4.6	19.7	5.6	10.1	32.5	0.8
1985	12.6	13.5	2.9	5.4	22.5	4.8	9.6	27.8	0.8
1986	12.7	13.8	2.9	5.2	21.4	4.7	9.0	29.8	0.6
1987	12.7	14.0	3.4	5.7	20.1	5.1	8.6	29.8	0.6
1988	12.2	13.4	3.2	5.7	20.1	4.9	8.1	31.8	0.7
Portugal: 1980	18.2	18.9	6.0	6.3	24.5	6.1	2.2	17.6	0.2
1985	19.5	18.5	3.6	6.8	28.5	4.8	3.3	15.0	0.2
1986	20.7	20.4	3.9	7.3	24.1	5.2	2.9	15.3	0.2
1987	20.4	20.8	4.2	8.0	22.0	5.5	2.9	15.9	0.2
Sweden: 1980	13.3	2.6	8.1	13.5	15.3	2.6	8.5	35.8	0.4
1985	13.9	2.1	6.4	13.9	15.5	2.1	7.9	37.9	0.3
1987	13.6	2.0	6.8	15.3	13.1	2.3	7.1	39.4	0.3
1988	13.5	1.9	7.0	15.5	12.5	2.3	8.0	39.1	0.3
1989	13.5	1.7	7.2	15.4	12.6	2.3	8.3	38.8	0.3
United Kingdom: 1980	18.6	5.9	2.9	6.8	20.6	3.6	6.8	33.9	0.9
1985	18.7	5.6	2.7	7.5	21.1	3.5	5.8	34.2	0.9
1988	17.4	5.4	3.2	8.3	19.6	3.9	5.7	35.5	1.0
1989	16.9	5.0	3.1	8.4	19.8	4.0	5.6	36.3	1.0
1990	15.8	5.0	3.1	8.7	18.9	3.9	5.4	38.2	1.0
West Germany: 1980	12.4	5.4	3.4	4.1	22.9	3.4	7.6	40.3	0.5
1985	12.2	4.8	2.4	4.2	23.7	2.7	6.6	43.1	0.4
1988	11.7	4.6	2.7	4.4	20.4	2.9	6.1	46.7	0.5
1989	11.5	4.4	2.7	4.4	20.6	2.8	6.3	46.9	0.5
1990	11.7	4.4	2.8	(NA)	(NA)	2.8	5.5	47.5	0.5

[1] Manufacture of food, beverages, and tobacco. [2] Textile, apparel, and leather. [3] Wood products and furniture. [4] Paper, paper products, and printing. [5] Chemical products, petroleum, coal, rubber, and plastic products. [6] Nonmetallic mineral products, except petroleum and coal products. [7] Basic metal industries, including iron, steel, and nonferrous metal. [8] Fabricated metal products, machinery and equipment.

Source: Organization for Economic Cooperation and Development, Paris, France, *OECD Industrial Structure Statistics*, 1988; and unpublished data.

No. 1413. Selected Indexes of Manufacturing Activity—Selected Countries: 1970 to 1991

[1982=100. Data relate to all employed persons in the United States and Canada; all employees in other countries. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation]

INDEX AND YEAR	United States	Belgium	Canada	Denmark	France	Germany [1]	Italy	Japan	Netherlands	Sweden	United Kingdom
Output per hour:											
1970	(NA)	44.3	76.9	57.2	58.5	67.0	54.6	52.0	52.9	68.9	70.9
1980	94.4	87.5	99.9	98.0	90.6	98.4	95.5	92.1	93.9	96.2	89.9
1985	108.0	117.2	119.8	105.0	108.8	112.9	122.3	112.0	118.7	112.4	118.2
1989	122.5	131.2	119.0	105.6	127.9	119.0	135.1	135.2	126.3	120.0	143.5
1990	125.7	133.9	120.1	106.2	129.4	122.9	140.6	144.2	126.6	121.0	146.0
1991	128.1	137.0	121.7	109.3	129.1	125.4	145.2	146.5	128.6	122.4	149.8
Average annual percent change:											
1979-85	1.9	6.1	2.4	2.1	3.2	2.0	5.0	3.9	4.2	2.9	4.6
1985-91	2.9	2.6	0.3	0.7	2.9	1.8	2.9	4.6	1.3	1.4	4.0
1990-91	1.9	2.3	1.3	3.0	-0.2	2.0	3.2	1.6	1.6	1.2	2.6
Compensation per hour, national currency basis: [2]											
1970	(NA)	23.2	28.7	22.3	17.8	34.5	11.6	25.0	27.8	24.4	14.9
1980	83.1	86.3	48.6	83.4	72.8	89.2	70.2	89.0	88.5	84.4	79.8
1985	111.0	121.6	116.8	120.6	130.4	116.3	150.9	110.1	111.5	130.5	124.2
1989	127.3	138.1	137.4	148.3	153.2	138.2	191.1	128.2	118.1	177.4	162.8
1990	133.8	146.3	146.3	156.1	159.3	148.0	211.9	138.6	122.7	193.7	180.9
1991	140.6	154.5	156.0	163.0	166.2	158.3	232.4	147.1	127.6	206.9	197.1
Average annual percent change:											
1979-85	6.9	7.7	8.7	8.1	12.9	5.9	16.7	4.7	4.8	9.4	11.2
1985-91	4.0	4.1	4.9	5.1	4.1	5.3	7.5	4.9	2.3	8.0	8.0
1990-91	5.1	5.7	6.6	4.4	4.3	7.0	9.7	6.1	4.0	6.8	9.0
Real hourly compensation: [2,3]											
1970	(NA)	55.1	77.4	70.1	57.3	62.6	60.3	63.6	63.9	72.6	65.9
1980	97.4	101.0	97.9	102.6	92.3	99.9	96.9	96.0	100.0	103.0	97.1
1985	99.5	101.3	101.8	101.4	104.5	107.9	109.3	103.6	102.7	101.6	106.4
1989	99.1	107.2	100.8	105.5	109.1	123.3	111.4	116.3	107.1	113.5	114.6
1990	98.8	109.8	102.5	108.2	109.8	128.6	116.5	122.0	108.7	111.4	116.3
1991	99.6	112.2	103.4	110.4	111.1	132.9	119.9	125.3	108.8	109.3	119.7
Average annual percent change:											
1979-85	0.1	0.7	0.7	-0.5	2.4	1.8	1.5	1.1	0.3	-0.6	2.1
1985-91	-	1.7	0.3	1.4	1.0	3.5	1.6	3.2	1.0	1.2	2.0
1990-91	0.8	2.3	0.9	2.0	1.2	3.3	3.0	2.7	0.1	-1.8	2.9
Unit labor costs, national currency:											
1970	(NA)	52.2	37.3	39.0	30.4	51.4	21.3	48.0	52.7	35.4	21.0
1980	88.1	98.7	78.7	85.1	80.3	90.6	73.5	96.7	94.2	87.8	88.7
1985	102.8	103.8	97.6	114.9	119.9	103.0	123.4	98.4	93.9	116.1	105.1
1989	103.9	105.3	115.4	140.4	119.8	116.1	141.4	94.8	93.5	147.8	113.5
1990	106.4	109.2	121.8	146.9	123.1	120.3	150.7	96.1	96.9	160.1	123.9
1991	109.8	112.9	128.2	149.0	128.8	126.3	160.0	100.4	99.2	169.0	131.6
Average annual percent change:											
1979-85	4.9	1.5	6.1	5.9	9.4	3.8	11.1	0.7	0.6	6.3	6.3
1985-91	1.1	1.4	4.7	4.4	1.2	3.4	4.4	0.3	0.9	6.5	3.8
1990-91	3.2	3.3	5.2	1.4	4.6	4.9	6.2	4.4	2.4	5.5	6.2
Unit labor costs, U.S. dollar basis: [4]											
1970	(NA)	48.2	44.1	43.4	36.2	34.2	46.0	33.4	38.9	42.8	28.7
1980	88.1	154.7	83.1	126.2	125.2	121.2	116.3	106.7	126.8	130.5	118.1
1985	102.8	80.1	88.2	90.4	87.8	85.0	87.5	102.7	75.6	84.8	78.0
1989	103.9	122.3	120.3	160.1	123.6	149.9	139.5	171.1	117.7	143.9	106.3
1990	106.4	149.6	128.8	198.1	148.7	180.8	170.2	165.1	142.1	169.9	126.5
1991	109.8	151.2	138.1	194.2	150.0	184.6	174.6	185.8	141.6	175.5	133.0
Average annual percent change:											
1979-85	4.9	-9.7	3.4	-5.8	-3.4	-4.0	-3.3	-0.8	-7.5	-5.3	-2.0
1985-91	1.1	11.2	7.8	13.6	9.3	13.8	12.2	10.4	11.0	12.9	9.3
1990-91	3.2	1.0	7.1	-2.0	0.9	2.1	2.5	12.5	-0.3	3.3	5.2
Employment:											
1970	(NA)	137.7	96.3	119.6	107.3	115.2	97.6	99.9	135.4	114.8	141.8
1980	107.8	109.9	108.4	103.9	104.9	104.9	107.8	98.5	108.1	107.7	117.5
1985	102.3	95.1	103.6	112.4	92.0	97.4	89.8	106.9	96.5	101.3	91.7
1989	103.5	92.6	115.4	111.5	86.8	100.5	89.8	109.5	101.6	105.3	89.0
1990	102.0	92.9	109.9	112.1	87.4	103.4	89.9	112.0	103.7	102.3	87.9
1991	98.5	92.0	101.4	109.5	86.2	105.1	87.7	116.3	103.7	95.6	82.8
Average annual percent change:											
1979-85	-1.4	-2.7	-0.8	1.0	-2.4	-1.1	-2.9	1.7	-2.1	-1.0	-4.9
1985-91	-0.6	-0.5	-0.3	-0.4	-1.1	1.3	-0.4	1.4	1.2	-0.9	-1.7
1990-91	-3.4	-0.9	-7.7	-2.3	-1.3	1.7	-2.5	3.9	-	-6.5	-5.8
Aggregate hours:											
1970	(NA)	159.9	102.1	132.3	124.1	129.7	107.0	105.9	152.0	132.1	154.9
1980	109.9	110.1	110.8	103.7	111.0	106.3	108.0	99.3	108.1	106.4	118.1
1985	107.0	93.5	106.0	109.8	91.1	95.6	89.0	108.2	93.6	103.1	92.8
1989	109.8	93.0	118.6	107.6	86.4	95.9	96.0	110.4	97.8	104.3	90.8
1990	107.4	94.4	111.5	106.9	86.9	97.1	93.7	111.1	99.9	101.2	88.9
1991	103.0	91.9	102.8	104.7	85.5	97.7	90.4	112.9	99.7	94.7	82.1
Average annual percent change:											
1979-85	-1.2	-3.3	-0.9	0.8	-3.5	-1.8	-3.1	1.8	-2.5	-0.7	-5.3
1985-91	-0.6	-0.3	-0.5	-0.8	-1.0	0.4	0.3	0.7	1.1	-1.4	-2.0
1990-91	-4.1	-2.6	-7.8	-2.0	-1.5	0.7	-3.6	1.6	-0.2	-6.5	-7.6

- Represents or rounds to zero. NA Not available. [1] Former West Germany (prior to unification). [2] Compensation includes, but real hourly compensation excludes, adjustments for payroll and employment taxes that are not compensation to employees, but are labor costs to employers. [3] Index of hourly compensation divided by the index of consumer prices to adjust for changes in purchasing power. [4] Indexes in national currency adjusted for changes in prevailing exchange rates.

Source: Bureau of Labor Statistics, Office of Productivity and Technology, unpublished data.

No. 1414. Crude Steel Production: 1980 to 1990

[In million metric tons. Data cover both ingots and steel for castings and excludes wrought (puddled) iron]

COUNTRY	1980	1982	1983	1984	1985	1986	1987	1988	1989	1990
World	**718.2**	**645.3**	**662.6**	**715.9**	**715.6**	**708.8**	**729.3**	**770.6**	**777.3**	**762.0**
United States [1]	**101.5**	**67.7**	**76.8**	**83.9**	**80.1**	**74.0**	**80.9**	**91.8**	[2]**88.9**	[2]**88.6**
Argentina	2.6	2.8	2.8	2.5	2.8	3.1	3.5	3.5	[2]3.9	[2]3.6
Australia [3]	7.9	7.3	5.4	4.6	6.3	6.8	6.2	6.1	6.7	6.7
Austria	4.6	4.3	4.4	4.9	4.7	4.3	4.3	4.4	4.9	[2]4.5
Belgium	12.3	10.1	10.3	11.4	10.8	9.8	9.8	11.3	11.0	11.5
Brazil	15.3	13.0	14.7	18.4	20.5	21.2	22.2	24.7	25.1	20.5
Bulgaria	2.6	2.6	2.8	2.9	2.9	3.0	3.0	2.9	2.9	2.2
Canada	15.9	11.9	12.8	14.7	13.5	14.1	14.7	14.8	[2]15.0	[2]12.2
China: Mainland	39.0	38.8	41.9	45.6	49.5	54.8	58.9	62.1	64.2	68.9
Czechoslovakia	15.2	15.0	15.0	14.8	15.0	15.1	15.4	15.4	15.5	14.9
East Germany (former)	7.3	7.2	7.2	7.6	7.9	8.0	8.2	8.1	7.8	(NA)
Finland	2.5	2.4	2.4	2.6	2.5	2.6	2.7	2.8	2.9	2.9
France	23.2	18.4	17.6	19.0	18.8	17.9	17.7	19.1	19.5	19.3
Greece	1.1	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0
Hungary	3.8	3.6	3.5	3.6	3.5	3.6	3.5	3.5	3.3	2.9
India	9.4	10.9	10.1	10.3	11.2	11.4	12.3	13.0	12.9	13.0
Indonesia [4]	0.4	0.5	0.8	1.0	1.2	1.5	1.5	[2]2.0	[2]2.0	[2]2.1
Italy	26.5	24.0	21.8	24.1	23.9	22.9	22.9	23.9	25.6	[2]25.5
Japan	111.4	99.5	97.2	105.6	105.3	98.3	98.5	105.7	107.9	110.3
Luxembourg	4.6	3.5	3.3	4.0	3.9	3.7	3.3	3.7	3.7	3.6
Mexico	7.0	6.9	6.7	7.3	7.2	7.0	7.2	7.3	7.3	8.2
Netherlands	5.3	4.3	4.5	5.7	5.5	5.3	5.1	5.5	5.7	5.4
North Korea [2,4]	5.8	5.8	6.1	6.5	6.5	6.5	6.5	8.0	8.0	8.0
Poland	18.6	14.1	16.2	15.2	15.4	16.3	16.3	15.9	13.1	12.2
Romania	10.7	10.1	9.3	10.1	9.7	9.7	9.9	9.8	14.4	9.8
South Africa	9.1	8.3	7.2	7.8	8.6	8.1	9.0	[4]9.0	[4]9.7	[4]8.9
South Korea	14.4	16.6	16.4	17.8	18.6	18.8	19.5	21.3	23.7	24.5
Soviet Union	147.9	147.2	152.5	154.2	154.7	160.6	161.9	163.0	160.1	154.4
Spain	12.6	13.4	13.3	13.4	14.7	[2]12.1	[2]11.6	[2]11.7	[2]12.6	[2]12.8
Sweden	4.2	3.9	4.2	4.7	4.9	4.7	4.7	4.8	4.7	[2]4.5
Turkey	1.7	2.0	3.6	4.1	4.7	6.0	7.0	8.0	7.9	9.4
United Kingdom	11.3	13.7	15.0	15.1	15.7	14.7	17.4	19.0	18.7	17.8
Venezuela	1.8	2.2	2.3	2.8	3.1	3.4	3.7	3.6	3.4	3.1
West Germany (former)	43.8	35.9	35.7	39.4	40.5	37.1	36.2	41.0	41.1	38.4
Yugoslavia	3.6	3.9	4.1	4.2	4.5	4.5	4.4	4.5	4.5	3.6

NA Not available. [1] Excludes steel for castings made in foundries operated by companies not producing ingots. [2] Estimated. [3] For year ending June 30. [4] Source: U.S. Bureau of Mines.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Statistical Yearbook*, and *Industrial Statistics Yearbook*, vol. II, annuals, (copyright).

No. 1415. World Production of Major Mineral Commodities, by Selected Commodity: 1985 to 1990

COUNTRY	Unit	1985	1988	1989, prel.	1990, est.	Leading producers, 1990
MINERAL FUELS [1]						
Coal	Mil. metric tons	4,353	4,652	4,785	4,750	China, U.S., Soviet Union
Dry natural gas	Tril. cu. ft.	62.0	69.6	72.0	73.2	Soviet Union, U.S., Canada
Natural gas plant liquids [2]	Mil. barrels [3]	1,437	1,663	1,676	1,728	U.S., Saudi Arabia, Soviet Union
Petroleum, crude	Mil. barrels [3]	19,703	21,412	21,817	22,072	Soviet Union, U.S., Saudi Arabia
Petroleum, refined	Mil. barrels [3]	21,114	22,626	22,812	23,791	U.S., Soviet Union, Japan
NONMETALLIC MINERALS						
Cement, hydraulic	Mil. metric tons	960	1,077	1,148	1,153	China, Soviet Union, Japan
Diamond, gem and industrial	1,000 carats	66,018	96,471	97,462	101,566	Australia, Zaire, Botswana
Nitrogen in ammonia	Mil. metric tons	91.0	99.3	99.1	97.6	Soviet Union, China, U.S.
Phosphate rock	Mil. metric tons	149	161	160	154	U.S., Soviet Union, Morocco
Potash, marketable	Mil. metric tons	29.2	31.8	29.6	27.7	Soviet Union, Canada
Salt	Mil. metric tons	173	183	190	182	U.S., China, Soviet Union
Sulfur, elemental basis	Mil. metric tons	53.8	59.1	59.5	58.2	U.S., Soviet Union, Canada
METALS						
Aluminum [4]	Mil. metric tons	15.4	17.5	18.2	18.0	U.S., Soviet Union, Canada
Bauxite, gross weight	Mil. metric tons	84.2	97.0	104.1	109.6	Australia, Guinea, Jamaica
Chromite, gross weight [2]	1,000 metric tons	10,945	12,890	14,190	12,848	South Africa, Soviet Union, India
Copper, metal content [5]	1,000 metric tons	7,988	8,323	8,667	8,693	Chile, U.S., Canada
Gold, metal content	Metric tons	1,532	1,848	2,023	2,127	South Africa, Soviet Union, U.S.
Iron ore, gross weight [6]	Mil. metric tons	861	926	953	929	Soviet Union, Brazil, China
Lead, metal content [5]	1,000 metric tons	3,431	3,359	3,285	3,390	Australia, U.S., Soviet Union
Manganese ore, gross weight	Mil. metric tons	25.4	25.0	26.6	25.4	Soviet Union, South Africa, China
Nickel, metal content [5]	1,000 metric tons	813	918	970	937	Soviet Union, Canada, New Caledonia
Steel, crude	Mil. metric tons	718	780	786	771	Soviet Union, Japan, U.S.
Tin, metal content [5]	1,000 metric tons	181	205	234	219	China, Brazil, Indonesia
Zinc, metal content [5]	1,000 metric tons	6,758	6,980	7,100	7,320	Canada, Australia, Soviet Union

[1] Source: Energy Information Administration, *International Energy Annual*. [2] Excludes China: Mainland. [3] 42-gallon barrels. [4] Unalloyed ingot metal. [5] Mine output. [6] Includes iron ore concentrates and iron ore agglomerates.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1416. Energy Consumption and Production, by Country: 1980 and 1990

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED [1] (coal equiv.) Total (mil. metric tons)		Per capita (kilograms)		ELECTRIC ENERGY PRODUCTION [2] (bil. kWh)		CRUDE PETROLEUM PRODUCTION [3] (mil. metric tons)		COAL PRODUCTION [4] (mil. metric tons)	
	1980	1990	1980	1990	1980	1990	1980	1990	1980	1990
World, total	**8,593**	**10,412**	**1,932**	**1,955**	**8,237**	**11,771**	**2,982**	**3,019**	**2,728**	**3,561**
United States	**2,364.4**	**2,572.3**	**10,381**	**10,321**	[5]**2,354.4**	[5]**3,040.9**	**424.2**	**371.0**	**710.4**	**853.6**
Algeria	24.8	24.7	1,322	990	7.1	16.1	47.4	37.0	(Z)	[6](Z)
Argentina	49.1	59.0	1,739	1,825	39.7	50.9	25.3	24.8	0.4	0.3
Austria	31.2	31.8	4,138	4,196	41.6	50.4	1.5	1.1	-	-
Bahrain	4.4	8.0	12,615	15,595	1.7	3.5	2.4	2.1	(NA)	(NA)
Bangladesh [7]	4.0	8.5	45	73	2.7	8.1	(Z)	[6](Z)	(X)	(X)
Belgium	62.3	56.1	6,320	5,695	53.1	70.8	(X)	(X)	6.3	[8]1.0
Brazil	92.4	115.0	762	765	139.5	222.8	9.1	32.7	(NA)	4.6
Bulgaria	47.5	38.8	5,360	4,304	34.8	41.3	[6]0.3	0.1	0.3	[6]0.1
Burma [9]	2.0	2.5	60	59	1.5	2.6	1.6	[6]0.9	(Z)	[6](Z)
Canada	251.4	278.7	10,457	10,507	377.5	482.0	70.4	76.2	20.2	37.7
Chile	11.4	16.5	1,021	1,249	11.8	18.4	1.6	0.8	1.0	2.2
China: Mainland	545.5	893.4	557	787	300.6	621.2	105.9	138.3	595.8	[10]1,079.9
Taiwan [11]	37.8	67.1	2,126	3,285	(NA)	(NA)	0.2	0.2	2.6	0.5
Colombia	20.2	26.1	753	790	20.6	35.4	6.5	22.2	4.1	20.5
Cuba	13.7	15.3	1,412	1,447	10.0	16.2	0.3	[6]0.9	(X)	(X)
Czechoslovakia	95.2	89.8	6,215	5,729	72.7	89.3	0.1	0.1	[8]28.3	[6 8]22.8
Denmark	27.7	24.1	5,398	4,695	27.1	25.8	0.3	6.0	(X)	(X)
Ecuador	5.7	7.7	699	726	3.4	6.3	10.4	14.9	(NA)	(NA)
Egypt	20.9	36.5	512	696	18.9	39.4	29.4	44.0	(X)	(X)
Ethiopia	0.8	1.3	21	26	0.7	0.9	(X)	(X)	(NA)	(NA)
Finland	25.7	29.5	5,384	5,926	[5]38.7	[5]54.4	(X)	(X)	(X)	(X)
France [12]	242.9	217.4	4,506	3,870	[5]245.7	[5]419.6	1.2	3.0	[8]20.2	[8]10.5
Germany	492.3	457.9	(NA)	(NA)	466.3	572.0	[13]5.3	[13]3.6	94.5	[6]76.4
Greece	20.2	30.6	2,098	3,048	22.7	35.0	-	[13]0.8	(X)	(X)
Hong Kong	7.3	10.4	1,447	1,782	12.6	28.9	(NA)	(NA)	(X)	(X)
Hungary	40.9	34.7	3,815	3,284	23.9	28.4	2.0	2.0	[8]3.1	[8]1.7
India [9]	139.3	284.9	202	311	119.3	286.0	9.4	33.3	109.2	201.8
Indonesia	36.1	57.3	239	311	14.2	44.3	77.6	70.4	0.3	7.3
Iran [14]	45.7	93.4	1,174	1,710	22.4	56.0	72.7	158.8	[6]0.9	[6]1.3
Iraq	10.7	16.0	802	848	11.4	29.2	130.1	100.6	(NA)	(NA)
Ireland	11.4	13.5	3,361	3,624	10.6	14.5	(X)	(X)	0.1	(Z)
Israel	8.8	14.7	2,277	3,190	12.5	20.7	(Z)	(Z)	(X)	(X)
Italy [15]	188.9	220.1	3,346	3,856	183.5	216.9	1.8	4.6	-	0.1
Japan	433.4	519.3	3,710	4,206	577.5	857.3	0.4	0.5	18.0	8.3
Kuwait [16]	12.0	14.8	8,735	7,247	9.4	20.6	84.1	59.6	(NA)	(NA)
Libya	7.3	19.7	2,399	4,344	4.8	19.0	88.3	67.2	(X)	(X)
Malaysia	11.3	26.7	821	1,490	10.1	23.0	13.4	30.0	(X)	0.1
Mexico	117.1	155.1	1,663	1,751	[5]67.0	[5]122.4	99.9	133.1	7.0	[6]10.0
Morocco	6.5	9.3	336	369	4.9	9.6	(Z)	(Z)	0.7	0.5
Netherlands	98.5	107.8	6,965	7,210	64.8	71.9	1.3	3.5	-	-
New Zealand [17]	10.0	16.4	3,208	4,822	22.0	30.2	0.3	1.8	2.0	2.2
Nigeria	12.0	22.9	153	211	7.2	9.9	104.2	86.0	0.2	[6]0.1
North Korea	48.5	91.5	2,658	4,203	35.0	53.5	(X)	(X)	[6]36.0	[6]40.7
Norway [18]	26.5	26.0	6,476	6,173	83.6	121.8	24.6	79.7	0.3	0.3
Pakistan [7]	16.6	34.4	195	280	15.0	43.9	0.5	2.6	1.6	2.8
Peru	11.0	10.6	637	491	10.0	13.8	9.7	6.9	(Z)	[6]0.1
Philippines	15.9	18.8	330	301	18.0	26.3	0.5	0.2	0.3	1.2
Poland	176.8	142.9	4,969	3,718	121.9	136.3	0.3	0.2	193.1	[6]147.0
Portugal	12.5	19.2	1,281	1,868	15.3	28.5	(X)	(X)	0.2	0.3
Romania	103.0	86.8	4,637	3,731	67.5	64.3	11.5	7.9	8.1	[6]4.5
Saudi Arabia [16]	25.3	99.1	2,703	7,010	18.9	46.7	495.9	320.4	(NA)	(NA)
South Africa [19]	84.3	106.2	2,604	2,594	89.6	166.7	(X)	(X)	116.6	175.7
South Korea	51.4	105.8	1,349	2,473	40.1	118.7	(X)	(X)	18.6	17.2
Soviet Union	1,507.5	1,931.3	5,677	6,692	1,293.9	1,726.0	603.2	565.5	492.9	543.0
Spain	87.1	100.5	2,321	2,565	109.2	151.8	1.6	0.8	[8]13.1	[8]14.7
Sudan	1.5	1.6	81	64	0.9	1.3	(X)	(X)	(NA)	(NA)
Sweden	44.2	40.4	5,318	4,785	96.3	146.4	(Z)	(Z)	(Z)	(Z)
Switzerland [20]	24.3	26.0	3,834	3,912	[5]47.1	55.8	(X)	(X)	(X)	(X)
Syria	8.6	13.6	981	1,084	3.8	11.5	9.2	22.9	(X)	(X)
Tanzania	0.9	1.0	46	36	0.8	0.9	(X)	(X)	(Z)	[6](Z)
Thailand	17.3	41.1	371	738	15.1	46.2	(Z)	1.3	-	-
Trinidad and Tobago	7.5	9.1	6,901	7,066	2.1	3.5	11.0	7.9	(NA)	(NA)
Tunisia	4.1	6.6	643	807	2.8	5.5	5.6	4.5	(X)	(X)
Turkey	31.1	59.3	699	1,062	23.3	57.5	2.3	3.7	3.6	2.7
United Arab Emirates	9.9	32.1	9,749	20,183	6.3	13.6	82.8	102.0	(NA)	(NA)

See footnotes at end of table.

No. 1416. Energy Consumption and Production, by Country: 1980 and 1990—Continued

[See text, section 31, for general comments about the data. For additional data qualifications for countries, see source]

COUNTRY	ENERGY CONSUMED [1] (coal equiv.)				ELECTRIC ENERGY PRODUCTION [2] (bil. kWh)		CRUDE PETROLEUM PRODUCTION [3] (mil. metric tons)		COAL PRODUCTION [4] (mil. metric tons)	
	Total (mil. metric tons)		Per capita (kilograms)							
	1980	1990	1980	1990	1980	1990	1980	1990	1980	1990
United Kingdom	271.8	290.0	4,809	5,049	283.7	319.0	78.9	88.0	[8]130.1	[8]94.4
Venezuela	49.2	64.7	3,278	3,277	35.9	55.8	114.8	112.0	(Z)	2.2
Vietnam	6.7	9.1	126	136	4.2	8.7	(X)	2.7	5.3	5.0
Yugoslavia	47.9	57.3	2,145	2,409	59.4	85.9	4.2	3.6	0.4	0.3
Zaire	2.0	2.3	75	66	4.4	6.2	1.0	[6]1.4	0.1	[6]0.1
Zambia	2.3	1.7	396	201	[5]9.2	7.8	(X)	(X)	0.6	0.4

- Represents or rounds to zero. NA Not available. X Not applicable. Z Less than 50,000 metric tons. [1] Based on apparent consumption of coal, lignite, petroleum products, natural gas, and hydro, nuclear, and geothermal electricity. [2] Comprises production by utilities generating primarily for public use, and production by industrial establishments generating primarily for own use. Relates to production at generating centers, including station use and transmission losses. [3] Includes shale oil, but excludes natural gasoline. [4] Excludes lignite and brown coal, except as noted. [5] Net production, i.e. excluding station use. [6] Provisional. [7] For year ending June of year shown. [8] Includes recovered slurries. [9] For year ending April of year shown. [10] Includes lignite. [11] Source: U.S. Bureau of the Census. Data from Republic of China publications. [12] Includes Monaco. [13] Includes inputs other than crude petroleum and natural gas liquids. [14] For year ending March 20 of year shown. [15] Includes San Marino. [16] Includes share of production and consumption in the Neutral Zone. [17] For year ending March 31 of year shown. [18] Includes Svalbard and Jan Mayen Islands. [19] Includes Botswana, Lesotho, Namibia, and Swaziland. [20] Includes Liechtenstein.

Source: Except as noted, Statistical Office of the United Nations, New York, NY, *Energy Statistics*, annual, (copyright).

No. 1417. Selected Petroleum Product Prices—Selected Countries: 1991

[As of January 1, 1991. Includes taxes]

COUNTRY	AUTOMOTIVE FUELS (U.S. dollars per gallon)		RESIDENTIAL (U.S. dollars per gallon)			INDUSTRIAL (U.S. dollars per barrel)	
	Premium gasoline	Diesel fuel	Light fuel oil	Kerosene	Liquified petroleum gases	Light fuel oil	Heavy fuel oil
United States [1]	**[2]1.43**	**[2]0.91**	**[2]1.17**	**[2]1.05**	**[2]0.87**	**24.94**	**20.87**
Argentina	3.07	1.53	1.53	1.28	1.19	64.26	29.01
Austria [1]	3.47	3.31	1.80	(NA)	2.01	28.32	21.70
Belgium [1]	3.61	(NA)	1.33	(NA)	(NA)	47.46	14.39
Bolivia	1.78	1.00	0.95	0.67	0.50	25.72	(NA)
Brazil	1.65	0.81	0.43	0.95	0.97	18.02	13.71
Canada [1]	2.06	1.98	1.55	1.24	1.21	65.10	27.08
Chile	1.71	1.48	1.44	1.32	(NA)	37.68	27.80
Denmark [1]	4.18	3.38	3.15	4.08	2.73	57.12	25.51
Ecuador	0.44	0.41	0.25	0.05	0.13	18.29	14.71
El Salvador	2.36	0.96	1.55	1.12	(NA)	65.10	(NA)
Ethiopia	2.93	1.44	(NA)	1.20	1.30	41.46	24.99
Finland [1]	4.45	3.53	1.69	(NA)	4.69	(NA)	36.58
France [1]	3.86	(NA)	2.03	(NA)	(NA)	(NA)	19.08
Germany [1]	2.87	2.69	1.34	(NA)	3.58	56.06	32.77
Ghana	1.49	1.24	(NA)	1.12	0.61	(NA)	35.39
Greece [1]	3.32	1.59	(NA)	2.12	0.96	27.74	27.74
India	3.09	1.05	(NA)	0.57	1.60	41.12	30.07
Ireland [1]	3.62	(NA)	1.43	(NA)	(NA)	42.84	21.80
Israel	2.70	2.01	0.80	2.05	0.54	24.52	22.96
Italy [1]	5.10	3.77	3.54	2.61	2.78	(NA)	54.64
Jamaica	1.94	2.04	2.05	(NA)	(NA)	85.68	35.91
Japan	3.90	2.40	1.69	(NA)	(NA)	(NA)	50.68
Luxembourg [1]	2.95	2.10	1.34	2.79	1.57	62.05	32.34
Mexico	0.87	0.66	(NA)	0.26	0.27	27.65	9.60
Morocco	2.92	1.67	0.83	1.50	0.70	31.64	29.78
Netherlands [1]	3.28	2.24	1.46	1.66	1.24	94.01	28.56
Norway [1]	4.80	2.33	2.07	2.35	(NA)	87.07	76.30
Pakistan	2.46	0.97	0.80	0.86	0.41	33.80	21.42
Panama	2.44	1.36	(NA)	1.10	0.81	21.28	21.15
Paraguay	2.34	1.40	(NA)	0.88	1.00	58.92	22.09
Peru	1.99	1.07	(NA)	0.98	1.16	45.05	38.17
Portugal [1]	4.25	3.02	(NA)	2.69	1.74	(NA)	30.73
Saudi Arabia	0.54	0.12	(NA)	0.20	0.49	3.60	5.30
South Africa	2.00	2.00	1.86	1.55	2.00	77.07	45.52
Spain [1]	3.53	(NA)	1.85	(NA)	(NA)	69.30	29.15
Sweden [1]	4.45	3.58	2.05	2.88	1.28	80.70	77.20
Switzerland [1]	3.21	3.42	1.19	(NA)	(NA)	(NA)	37.73
Thailand	1.67	1.27	(NA)	1.32	0.90	52.01	23.00
Turkey [1]	2.51	1.91	(NA)	2.10	0.68	(NA)	28.79
United Kingdom [1]	2.55	(NA)	0.81	(NA)	(NA)	30.24	19.59
Uruguay	3.05	1.79	1.22	1.34	1.46	46.14	37.11
Venezuela	0.27	0.19	(NA)	0.07	0.19	(NA)	6.55

NA Not available. [1] Average for January 1991. [2] Price excludes tax.
Source: Energy Information Administration, *International Energy Annual 1990.*

No. 1418. Indices of Food Production: 1980 to 1991

[1979-1981 = 100. For explanation of annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

REGION AND COUNTRY	TOTAL FOOD PRODUCTION						PER CAPITA FOOD PRODUCTION					
	1980	1985	1990	1991	Average annual percent change 1980-1991	Average annual percent change 1990-1991	1980	1985	1990	1991	Average annual percent change 1980-1991	Average annual percent change 1990-1991
World	**99**	**114**	**126**	**125**	**2.4**	**-0.6**	**99**	**105**	**106**	**103**	**0.4**	**-2.3**
Developed countries	99	108	111	106	0.8	-3.9	99	105	104	99	0.1	-4.4
United States	96	108	106	103	0.3	-2.5	96	102	96	93	-0.6	-3.2
Canada	99	113	126	126	1.6	-0.2	99	108	115	114	0.5	-1.1
Europe (including Central)	101	107	108	107	0.7	-0.9	101	106	105	104	0.4	-1.2
Japan	95	109	103	99	0.2	-3.2	95	105	97	94	-0.3	-3.5
Oceania	95	107	111	109	1.2	-1.6	95	101	96	94	-0.2	-2.8
South Africa	97	95	104	104	1.1	0.3	97	85	83	82	-1.0	-1.8
Soviet Union (former)	100	111	121	107	1.7	-11.8	100	106	111	97	0.8	-12.5
Developing countries	99	120	140	142	3.9	1.9	99	108	113	113	1.2	-0.2
Latin America	99	116	128	129	2.7	0.8	99	104	103	102	0.3	-1.2
Mexico	100	114	123	124	1.9	0.7	100	102	98	96	-0.6	-1.4
Brazil	102	155	166	167	6.3	0.2	102	139	134	132	3.0	-1.7
Argentina	96	107	111	110	0.8	-0.5	96	100	97	95	-0.5	-1.7
Africa	100	113	132	138	3.1	3.1	100	97	97	98	-0.2	0.1
Near East	100	115	130	130	2.7	-0.1	100	100	99	96	-0.4	-2.8
Far East	99	123	147	150	4.6	2.2	99	113	122	123	2.0	0.3
India	98	123	149	151	4.8	1.1	98	111	120	119	1.9	-1.0
China: Mainland	99	128	157	160	5.5	2.4	99	120	137	138	3.5	0.9

Source: Food and Agriculture Organization of the United Nations, Rome, Italy, FAO AGRISTAT Database.

No. 1419. Wheat, Rice, and Corn—Exports and Imports of 10 Leading Countries: 1980 to 1990

[In millions of dollars. Countries listed are the ten leading exporters or importers in 1990]

LEADING EXPORTERS	EXPORTS 1980	EXPORTS 1985	EXPORTS 1990	LEADING IMPORTERS	IMPORTS 1980	IMPORTS 1985	IMPORTS 1990
WHEAT				WHEAT			
United States	**6,376**	**3,602**	**3,887**	Soviet Union	2,891	2,975	2,490
France	2,110	2,351	3,296	China, Mainland	2,582	1,019	2,319
Canada	3,302	2,769	2,863	Italy	773	790	1,217
Australia	2,425	2,222	1,971	Japan	1,236	991	1,019
Argentina	816	1,133	871	Egypt	839	814	965
United Kingdom	260	282	760	Iran	243	344	707
West Germany	185	156	503	Netherlands	333	267	595
Netherlands	154	84	406	West Germany	309	488	429
Denmark	23	65	229	Algeria	402	543	422
Saudi Arabia	-	7	211	South Korea	367	442	419
RICE				RICE			
Thailand	953	830	1,086	Saudi Arabia	230	204	226
United States	**1,285**	**665**	**804**	Iran	209	171	216
Vietnam	10	15	375	France	154	146	216
Italy	289	304	357	United Kingdom	98	126	209
India	173	188	246	West Germany	96	92	165
Pakistan	422	220	242	Hong Kong	158	115	150
Belgium-Luxembourg	91	114	168	Brazil	99	83	147
Spain	22	32	108	Philippines	-	123	128
Uruguay	64	81	104	Iraq	217	175	124
China, Mainland	510	233	98	United Arab Emirates	123	65	120
CORN				CORN			
United States	**8,571**	**5,312**	**6,206**	Japan	2,011	1,937	2,295
France	869	815	1,854	Soviet Union	1,508	2,315	1,690
China, Mainland	17	742	404	South Korea	376	422	837
Argentina	513	766	329	China, Mainland	716	437	750
South Africa	541	49	176	Netherlands	626	422	538
Thailand	352	280	162	Mexico	589	255	473
Zimbabwe	17	22	87	United Kingdom	547	266	396
West Germany	39	25	71	West Germany	443	327	375
Hungary	27	39	51	Italy	450	212	363
Spain	1	1	41	Spain	668	495	307

- Represents or rounds to zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *World Agriculture-Trends and Indicators.*

No. 1420. Wheat, Rice, and Corn Production, by Country: 1980 to 1991

[**In thousands of metric tons.** Rice data cover paddy. Data for each country pertain to the calendar year in which all or most of the crop was harvested. See text, section 31, for general comments concerning quality of the data]

COUNTRY	WHEAT			RICE			CORN		
	1980	1990	1991	1980	1990	1991	1980	1990	1991
World, total	**445,895**	**601,723**	**550,993**	**399,422**	**521,703**	**519,869**	**397,512**	**479,340**	**478,775**
United States	**64,800**	**74,475**	**53,915**	**6,629**	**7,080**	**7,006**	**168,647**	**201,508**	**189,867**
Argentina	7,780	11,014	9,000	266	467	347	6,400	5,049	7,768
Australia	10,856	15,402	9,633	613	924	726	173	200	159
Austria	1,201	1,404	1,341	(X)	(X)	(X)	1,293	1,620	1,524
Belgium-Luxembourg	906	1,409	1,620	(X)	(X)	(X)	39	60	62
Brazil	2,702	3,094	3,077	9,776	7,419	9,503	20,372	21,339	22,604
Burma	91	124	123	13,317	13,969	13,201	166	187	190
Canada	19,292	32,709	32,822	(X)	(X)	(X)	5,753	7,157	7,319
China: Mainland	55,213	98,232	95,003	142,993	191,197	187,450	62,715	97,158	93,350
Egypt	1,736	4,268	4,483	2,382	3,167	3,152	3,231	4,799	5,270
France	23,781	33,312	34,483	24	121	109	9,365	9,291	12,787
Germany [1]	8,156	11,053	11,948	(X)	(X)	(X)	672	1,545	1,809
Greece	2,970	1,965	2,750	80	110	127	1,279	1,992	1,700
Hungary	6,077	6,198	5,954	24	39	38	6,673	4,500	7,509
India	31,830	49,850	54,522	80,312	111,953	110,945	6,957	9,073	8,200
Indonesia	(X)	(X)	(X)	29,652	45,179	44,321	3,991	6,734	6,409
Iran	5,922	8,218	8,900	1,449	2,273	2,100	60	7	7
Iraq	976	1,196	525	167	229	125	60	185	74
Italy	9,156	8,109	9,289	968	1,291	1,236	6,377	5,864	6,208
Japan	583	952	860	12,189	13,124	12,005	4	1	1
Mexico	2,785	3,931	4,115	445	394	354	12,374	14,635	13,527
Pakistan	10,857	14,316	14,505	4,685	4,897	4,903	970	1,185	1,190
South Korea	92	1	1	5,311	7,732	7,478	154	120	75
Soviet Union (former)	98,182	109,600	80,000	2,791	2,473	2,200	9,454	9,900	8,500
Sweden	1,193	2,243	1,524	(X)	(X)	(X)	(X)	(X)	(X)
Thailand	(X)	(X)	(X)	17,368	17,300	20,040	2,998	3,722	3,990
United Kingdom	8,470	14,000	14,300	(X)	(X)	(X)	1	(NA)	(NA)
Yugoslavia	5,091	6,359	6,530	42	28	32	9,317	6,724	8,800

NA Not available. X Not applicable. [1] Former West Germany (prior to unification).

Source: U.S. Department of Agriculture, Economic Research Service, *World Agriculture-Trends and Indicators.*

No. 1421. Fisheries—Commercial Catch, by Country: 1985 to 1990

[**In thousand metric tons, live weight.** Catch of fish, crustaceans, mollusks (including weight of shells). Does not include marine mammals and aquatic plants]

COUNTRY	1985	1987	1988	1989	1990	COUNTRY	1985	1987	1988	1989	1990
World, total [1]	**86,398**	**94,399**	**99,062**	**100,333**	**97,246**	Japan	11,409	11,848	11,966	11,173	10,353
						Mexico	1,226	1,419	1,372	1,469	1,401
United States	**4,949**	**5,986**	**5,937**	**5,763**	**5,856**	North Korea (est.)	1,700	1,700	1,700	1,700	1,750
Canada	1,453	1,565	1,609	1,572	1,624	Norway	2,119	1,949	1,839	1,908	1,747
Chile	4,804	4,814	5,209	6,454	5,195	Peru	4,137	4,587	6,641	6,853	6,875
China: Mainland	6,779	9,346	10,358	11,219	12,095	Philippines	1,865	1,988	2,010	2,098	2,208
Denmark	1,765	1,706	1,971	1,927	1,517	South Korea	2,650	2,876	2,727	2,832	2,750
Iceland	1,680	1,632	1,759	1,504	1,507	Soviet Union	10,523	11,159	11,332	11,310	10,389
India	2,826	2,907	3,126	3,641	3,790	Spain	1,483	1,524	1,592	1,559	1,458
Indonesia	2,333	2,583	2,789	2,948	3,080	Thailand	2,225	2,779	2,642	2,781	2,650

[1] Includes other countries not shown separately.

Source: U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, *Fisheries of the United States*, annual. Data from Food and Agricultural Organization of the United Nations, Rome, Italy.

No. 1422. Meat—Production, by Country: 1980 to 1991

[**In thousands of metric tons, carcass weight.** Covers beef and veal (incl. buffalo meat), pork (incl. bacon and ham), mutton and lamb (incl. goat meat), horsemeat, and poultry. Refers to meat from animals slaughtered within the national boundaries irrespective of origin of animals, and relates to commercial and farm slaughter. Excludes lard, tallow, and edible offals. See text, section 31 for general comments concerning the data]

COUNTRY	1980	1990	1991	COUNTRY	1980	1990	1991
World	**134,407**	**176,629**	**178,830**	France	5,300	5,506	5,764
United States	24,599	28,776	29,720	Italy	3,571	3,956	[2]3,956
Argentina	3,622	3,380	3,432	Japan	3,046	3,529	3,489
Australia [1]	2,672	3,067	3,200	Mexico	2,537	3,478	3,403
Brazil	4,551	6,428	6,663	United Kingdom	3,070	3,356	3,508
Canada	2,556	2,838	2,769	West Germany	5,199	5,684	5,881
China: Mainland	13,744	29,725	31,907				

[1] Year ending June 30. [2] Estimate.

Source: U.S. Department of Agriculture, Economic Research Service, *World Agriculture-Trends and Indicators*, and Food and Agriculture Organization of the United Nations, Rome, Italy, *FAO Production Yearbook, 1991.*

No. 1423. Foreign Trade of Selected Countries—Source of Imports and Destination of Exports: 1992

[In billions of dollars, except percent. All exports are f.o.b. (free on board) and all imports are c.i.f. (cost insurance freight) except for U.S. and Canadian imports, which are f.o.b.]

COUNTRY	Total [1]	O.E.C.D. [2]		C.E.E.C. [4]	China: Mainland, Vietnam, North Korea	O.P.E.C. [5]	Other developing countries [6]	Africa	America [7]	Middle East [8]	Far East [9]
		Total	E.E.C. [3]								
IMPORTS											
United States	531.3	310.1	94.1	2.0	25.7	33.0	160.6	14.3	68.7	15.7	119.7
Australia	40.8	29.1	8.2	0.1	1.8	1.9	7.7	0.1	0.4	1.1	8.7
Austria	54.2	45.8	36.8	3.5	0.6	1.1	3.3	1.0	0.5	0.5	2.4
Belgium-Lux	125.0	109.3	92.0	2.1	0.4	3.3	9.9	4.8	1.8	2.9	3.8
Canada	123.1	105.0	12.0	0.4	2.1	1.7	11.6	0.9	4.5	0.7	9.3
Denmark	33.6	29.1	18.0	1.1	0.6	0.2	2.7	0.2	1.0	0.1	1.9
France	238.8	191.9	142.3	5.5	3.6	9.4	23.8	11.2	5.0	5.7	13.7
Germany	408.5	326.3	212.5	22.5	7.8	9.8	41.8	10.6	9.4	4.2	30.9
Italy	164.4	127.1	96.7	6.7	2.4	10.1	17.6	11.4	4.0	4.3	8.2
Japan	232.7	112.3	31.4	3.1	18.1	38.9	60.4	3.5	8.3	29.1	75.5
Netherlands	130.4	110.6	85.5	2.2	1.0	6.3	10.3	2.8	2.4	4.6	7.4
Spain	99.8	78.9	60.6	1.5	1.7	5.9	11.6	6.5	4.4	2.0	6.1
Sweden	49.9	43.4	27.7	1.6	0.8	0.9	3.3	0.4	0.7	0.6	3.0
Switzerland	65.7	59.5	47.4	0.7	0.6	0.0	4.8	0.7	1.2	0.6	2.9
United Kingdom	220.3	183.3	115.0	2.7	1.7	4.9	26.5	4.7	4.2	4.1	19.1
Percent distribution:											
United States	100.0	58.4	17.7	0.4	4.8	6.2	30.2	2.7	12.9	3.0	22.5
Australia	100.0	71.5	20.1	0.2	4.5	4.7	18.9	0.4	1.1	2.8	21.4
Austria	100.0	84.4	67.9	6.5	1.1	1.9	6.1	1.9	0.9	0.9	4.5
Belgium-Lux	100.0	87.4	73.6	1.6	0.3	2.6	7.9	3.9	1.4	2.3	3.1
Canada	100.0	85.3	9.8	0.3	1.7	1.4	9.4	0.7	3.6	0.6	7.5
Denmark	100.0	86.7	53.5	3.2	1.7	0.5	7.9	0.5	3.0	0.2	5.7
France	100.0	80.4	59.6	2.3	1.5	3.9	10.0	4.7	2.1	2.4	5.8
Germany	100.0	79.9	52.0	5.5	1.9	2.4	10.2	2.6	2.3	1.0	7.6
Italy	100.0	77.3	58.8	4.1	1.5	6.2	10.7	6.9	2.4	2.6	5.0
Japan	100.0	48.3	13.5	1.3	7.8	16.7	25.9	1.5	3.6	12.5	32.5
Netherlands	100.0	84.8	65.6	1.7	0.7	4.8	7.9	2.1	1.9	3.5	5.7
Spain	100.0	79.0	60.8	1.5	1.7	5.9	11.6	6.5	4.4	2.0	6.1
Sweden	100.0	86.8	55.5	3.2	1.5	1.8	6.7	0.8	1.5	1.2	6.0
Switzerland	100.0	90.6	72.2	1.0	1.0	0.0	7.4	1.1	1.8	0.9	4.4
United Kingdom	100.0	83.2	52.2	1.2	0.8	2.2	12.0	2.1	1.9	1.9	8.7
EXPORTS											
United States	447.5	264.6	102.9	5.5	7.5	21.9	147.7	9.9	75.7	16.9	73.6
Australia	42.4	23.6	5.4	0.2	1.4	2.1	14.3	0.6	0.4	1.0	14.6
Austria	44.4	35.8	29.4	4.3	0.3	1.3	2.8	0.6	0.4	1.0	1.5
Belgium-Lux	123.0	106.7	92.1	1.7	0.5	2.6	10.7	2.8	1.2	4.3	5.1
Canada	134.9	122.8	9.5	1.2	1.9	1.7	7.2	0.8	2.7	0.8	6.4
Denmark	39.6	34.0	21.5	1.1	0.1	0.8	3.4	0.8	0.9	0.9	1.5
France	231.8	183.7	145.4	4.8	1.6	9.7	31.9	15.3	8.1	6.2	11.0
Germany	430.4	345.9	234.0	23.9	3.8	14.8	41.3	9.9	9.2	13.0	23.5
Italy	155.4	120.2	89.8	5.7	1.4	8.0	19.6	6.4	4.4	6.9	8.2
Japan	339.8	184.1	62.8	1.9	12.6	19.0	122.2	6.4	15.1	14.0	117.1
Netherlands	139.0	123.0	105.8	2.7	0.5	3.0	8.9	2.7	1.8	2.6	4.6
Spain	64.3	53.0	45.8	0.8	0.3	2.3	7.5	3.1	3.1	1.4	1.7
Sweden	56.1	48.5	31.3	1.4	0.4	1.4	4.3	0.7	1.1	1.3	2.8
Switzerland	65.5	52.4	38.6	1.3	0.5	2.4	9.0	1.2	1.9	2.7	5.6
United Kingdom	189.6	152.0	106.2	2.8	0.8	9.3	23.1	6.3	3.1	9.1	13.5
Percent distribution:											
United States	100.0	59.1	23.0	1.2	1.7	4.9	33.0	2.2	16.9	3.8	16.4
Australia	100.0	55.5	12.7	0.4	3.3	5.0	33.8	1.4	1.0	2.5	34.4
Austria	100.0	80.5	66.1	9.7	0.6	2.8	6.4	1.3	0.9	2.2	3.3
Belgium-Lux	100.0	86.7	74.9	1.4	0.4	2.1	8.7	2.3	0.9	3.5	4.2
Canada	100.0	91.0	7.1	0.9	1.4	1.3	5.3	0.6	2.0	0.6	4.8
Denmark	100.0	85.8	54.4	2.9	0.3	2.1	8.7	1.9	2.3	2.2	3.9
France	100.0	79.2	62.7	2.1	0.7	4.2	13.7	6.6	3.5	2.7	4.8
Germany	100.0	80.4	54.4	5.6	0.9	3.4	9.6	2.3	2.1	3.0	5.5
Italy	100.0	77.3	57.8	3.7	0.9	5.2	12.6	4.1	2.8	4.5	5.3
Japan	100.0	54.2	18.5	0.6	3.7	5.6	36.0	1.9	4.4	4.1	34.5
Netherlands	100.0	88.5	76.1	1.9	0.3	2.2	6.4	1.9	1.3	1.9	3.3
Spain	100.0	82.4	71.2	1.3	0.4	3.6	11.7	4.9	4.8	2.2	2.7
Sweden	100.0	86.5	55.8	2.5	0.8	2.5	7.7	1.3	2.0	2.3	5.0
Switzerland	100.0	79.9	58.9	2.0	0.7	3.6	13.8	1.9	2.9	4.2	8.6
United Kingdom	100.0	80.1	56.0	1.5	0.4	4.9	12.2	3.3	1.6	4.8	7.1

[1] Includes other areas not shown separately. [2] Organization for Economic Cooperation and Development. For member countries, see text, section 31. [3] European Economic Community comprises Belgium-Luxembourg, Denmark, France, Greece, Ireland, Italy, Netherlands, Portugal, Spain, United Kingdom, and Germany. [4] Central European Economic Community. [5] Organization of Petroleum Exporting Countries. For member countries, see footnote 4, table 1430. [6] Comprises trade with all countries other than China: Mainland, North Korea, Vietnam, South Africa, Eastern Europe, and members of O.P.E.C. and O.E.C.D. [7] All countries comprising the continent except Canada and the United States. [8] Comprises Syria, Lebanon, Israel, Gaza Strip, Jordan, Iraq, Saudi Arabia, Yemen, Kuwait, Bahrain, United Arab Emirates, Qatar, Oman, and Iran. [9] All countries comprising the continent of Asia except Japan, China: Mainland, North Korea, Vietnam, and those countries listed under Middle East.

Source: Organization for Economic Cooperation and Development, Paris, France. Data derived from Monthly Statistics of Foreign Trade.

No. 1424. Reserve Assets and International Transaction Balances: 1985 to 1992

[In millions of U.S. dollars. Assets include holdings of convertible foreign currencies, special drawing rights, and reserve position in International Monetary Fund and exclude gold holdings. Minus sign (-) indicates decrease]

COUNTRY	TOTAL RESERVE ASSETS				CURRENT ACCOUNT BALANCE			MERCHANDISE TRADE BALANCE		
			1992							
	1985	1990	Total	Currency holdings [1]	1985	1990	1991	1985	1990	1991
United States	**32,100**	**72,260**	**60,270**	**40,010**	**122,250**	**-90,460**	**-3,890**	**122,160**	**108,840**	**-73,440**
Algeria	2,819	725	1,457	1,456	1,015	1,420	2,367	4,223	4,187	5,478
Argentina	3,273	4,592	(NA)	(NA)	-952	1,903	-2,803	4,878	8,628	4,578
Australia	5,768	16,264	11,199	10,526	9,015	-14,724	-9,853	-1,317	366	3,530
Austria	4,767	9,376	12,383	11,506	-273	1,174	116	-4,406	-8,328	-9,968
Bangladesh	337	629	1,825	1,783	-458	-397	65	-1,287	-1,587	-1,386
Belgium	4,849	12,151	10,135	9,159	669	4,950	4,731	-472	590	-66
Brazil	10,605	7,441	22,521	22,520	-273	-3,788	(NA)	12,466	10,747	(NA)
Burma	34	313	280	280	-206	(NA)	(NA)	-202	(NA)	(NA)
Cameroon	132	26	(NA)	(NA)	-562	(NA)	(NA)	490	621	(NA)
Canada	2,503	17,845	11,431	9,382	-2,279	-21,965	-25,529	12,574	9,181	5,929
Chile	2,450	6,069	9,168	9,167	-1,328	-598	142	850	1,273	1,575
China: Mainland	12,728	29,586	(NA)	(NA)	-11,417	11,997	13,272	-13,123	9,165	8,743
Colombia	1,595	4,212	7,389	7,236	-1,609	542	2,349	-23	1,971	2,959
Cote d'Ivoire	5	4	7	7	64	-1,204	-1,451	1,351	1,419	1,162
Denmark	5,429	10,591	11,044	10,477	-2,767	1,380	2,167	-764	4,875	4,748
Ecuador	718	839	(NA)	(NA)	114	-166	-467	1,294	1,003	644
Egypt	792	2,684	10,810	10,677	-2,166	184	1,903	-5,215	-6,699	-5,975
Finland	3,750	9,644	5,213	4,774	-811	-6,682	-6,695	878	768	2,321
France	26,589	36,778	27,028	24,384	-35	-13,772	-6,148	-5,276	-13,667	-10,139
Germany [2]	44,380	67,902	90,967	85,887	16,960	46,280	-19,500	28,580	71,710	23,530
Ghana	479	219	(NA)	(NA)	-134	-229	(NA)	-36	-308	(NA)
Greece	868	3,412	4,794	4,633	-3,276	-3,537	-1,521	-5,053	-10,178	10,112
Hungary	2,153	1,070	(NA)	(NA)	-455	379	403	448	534	358
India	6,420	1,521	5,757	5,461	-4,177	(NA)	(NA)	-5,616	(NA)	(NA)
Indonesia	4,974	7,459	10,449	10,181	-1,923	-2,988	-4,080	5,822	5,352	4,804
Ireland	2,940	5,223	3,440	3,080	-690	921	(NA)	631	3,971	(NA)
Israel	3,680	6,275	5,127	5,127	1,120	575	-822	-2,364	-2,816	-4,765
Italy	15,595	62,927	27,643	24,966	3,408	-14,422	-21,454	-6,083	616	-898
Japan	26,719	78,496	71,623	61,888	49,170	35,870	72,910	55,990	63,580	103,090
Kenya	391	205	53	35	-113	-502	-231	-327	-998	-659
Kuwait	5,471	1,952	5,147	4,835	5,150	(NA)	(NA)	5,047	(NA)	(NA)
Libya	5,904	5,839	6,182	5,361	1,906	2,203	(NA)	4,599	3,780	(NA)
Malaysia	4,912	9,754	(NA)	(NA)	-613	-1,630	-4,530	3,577	1,910	-168
Mexico	4,906	9,863	(NA)	(NA)	1,130	-7,117	-13,282	8,451	-4,433	-11,063
Morocco	115	2,066	3,584	3,465	-891	-200	-396	-1,368	-2,071	-1,976
Nepal	56	295	470	462	-122	-289	-304	-283	-449	-482
Netherlands	10,782	17,484	21,937	20,237	4,190	8,856	7,772	5,393	10,330	10,740
Nigeria	1,667	3,864	966	966	2,566	4,988	1,203	5,616	8,653	4,441
Norway	13,917	15,332	11,940	11,101	3,052	3,886	4,939	4,728	7,770	8,717
Pakistan	807	296	850	850	-1,080	-1,654	-1,929	-3,230	-2,714	-2,247
Peru	1,842	1,040	2,849	2,849	135	-766	1,478	1,172	340	-165
Philippines	615	924	4,403	4,283	-35	-2,695	-1,034	-482	-4,020	-3,211
Poland	870	4,492	4,099	3,992	-982	3,067	-2,146	347	3,589	-711
Portugal	1,395	14,485	19,129	18,769	380	-181	-716	-1,504	-6,831	-7,848
Romania	199	373	223	212	1,381	-3,254	-1,184	1,772	-3,344	-1,220
Saudi Arabia	25,004	11,668	5,935	4,561	-12,932	-4,267	-25,738	7,029	22,806	22,096
Singapore	12,847	27,748	39,885	39,661	-4	2,170	4,208	-2,829	-5,119	-4,128
South Africa	315	1,008	(NA)	(NA)	2,622	2,253	2,664	5,842	6,338	6,267
South Korea	2,869	14,793	17,121	16,640	-887	-2,172	-8,726	-19	-2,004	-6,980
Spain	11,175	51,228	45,504	44,176	2,851	-16,819	-15,954	-4,171	-29,566	-30,027
Sri Lanka	451	423	927	899	-419	-298	-268	-523	-473	-474
Sudan	12	11	3	3	155	-369	-958	-139	-322	-836
Sweden	5,793	17,988	20,882	20,217	-1,231	-6,907	-3,115	2,385	3,402	6,059
Switzerland	18,016	29,223	33,255	32,440	6,040	6,942	9,847	-1,561	-6,391	-3,808
Syria	83	(NA)	(NA)	(NA)	-958	1,827	(NA)	-2,090	2,159	(NA)
Thailand	2,190	13,305	20,359	20,012	-1,537	-7,282	-7,564	-1,332	-6,751	-5,985
Trinidad and Tobago	1,129	492	172	172	-90	440	-17	756	988	541
Turkey	1,056	6,050	6,159	6,115	-1,013	-2,625	272	-2,975	-9,555	-7,326
United Kingdom	12,860	35,850	36,640	34,090	4,136	-29,390	-11,549	-3,850	-32,742	-18,286
Venezuela	10,251	8,321	9,562	9,288	3,327	8,279	1,663	6,782	10,637	4,791
Yugoslavia	1,095	5,474	(NA)	(NA)	833	-2,364	-1,161	-588	-2,676	512
Zaire	190	219	157	157	-289	-643	(NA)	606	600	(NA)

NA Not available. [1] Holdings of convertible foreign currencies. [2] Former West Germany (prior to unification).

Source: International Monetary Fund, Washington, DC, *International Financial Statistics*, monthly with annual supplements.

No. 1425. Foreign Exchange Rates: 1970 to 1992

[National currency units per dollar, except as noted. Except as indicated, data are annual averages of certified noon buying rates for cable transfers]

YEAR	Australia [1] (dollar)	Austria (schilling)	Belgium (franc)	Canada (dollar)	China: Taiwan (dollar)	Denmark (krone)	France (franc)	Greece (drachma)	Hong Kong (dollar)
1970	111.36	25.880	49.680	1.0103	40.050	7.4890	5.5200	30.00	6.0600
1980	114.00	12.945	29.237	1.1693	36.015	5.6345	4.2250	42.62	4.9760
1981	114.95	15.948	37.194	1.1990	36.849	7.1350	5.4396	55.41	5.5678
1982	101.65	17.060	45.780	1.2344	39.124	8.3443	6.5793	66.87	6.0697
1983	90.14	17.968	51.121	1.2325	40.065	9.1483	7.6203	87.90	7.2569
1984	87.94	20.005	57.749	1.2953	39.633	10.3540	8.7355	112.73	7.8188
1985	70.03	20.676	59.336	1.3658	39.889	10.5980	8.9799	138.40	7.7911
1986	67.09	15.260	44.662	1.3896	37.837	8.0954	6.9256	139.93	7.8037
1987	70.14	12.649	37.357	1.3259	31.756	6.8477	6.0121	135.47	7.7985
1988	78.41	12.357	36.783	1.2306	28.636	6.7411	5.9594	142.00	7.8071
1989	79.19	13.236	39.409	1.1842	26.407	7.3210	6.3802	162.60	7.8008
1990	78.07	11.331	33.424	1.1668	26.918	6.1899	5.4467	158.59	7.7899
1991	75.93	11.686	34.195	1.1460	26.759	6.4038	5.6468	182.63	7.7712
1992, Oct.	69.10	10.962	32.061	1.1968	25.109	6.0215	5.2760	187.54	7.7405

YEAR	India (rupee)	Ireland [1] (pound)	Italy (lira)	Japan (yen)	Malaysia (ringgit)	Netherlands (guilder)	New Zealand [1] (dollar)	Norway (krone)	Portugal (escudo)
1970	7.576	239.59	623.00	357.60	3.0900	3.5970	111.48	7.1400	28.75
1980	7.887	205.77	856.20	226.63	2.1767	1.9875	97.34	4.9381	50.08
1981	8.681	161.32	1,138.60	220.63	2.3048	2.4998	86.85	5.7430	61.74
1982	9.485	142.05	1,354.00	249.06	2.3395	2.6719	75.10	6.4567	80.10
1983	10.104	124.81	1,519.30	237.55	2.3204	2.8543	66.79	7.3012	111.61
1984	11.348	108.64	1,756.10	237.45	2.3448	3.2083	57.84	8.1596	147.70
1985	12.332	106.62	1,908.90	238.47	2.4806	3.3184	49.75	8.5933	172.07
1986	12.597	134.14	1,491.16	168.35	2.5830	2.4484	52.46	7.3984	149.80
1987	12.943	148.79	1,297.03	144.60	2.5185	2.0263	59.33	6.7408	141.20
1988	13.899	152.49	1,302.39	128.17	2.6189	1.9778	65.56	6.5242	144.26
1989	16.213	141.80	1,372.28	138.07	2.7079	2.1219	59.35	6.9131	157.53
1990	17.492	165.76	1,198.27	145.00	2.7057	1.8215	59.62	6.2541	142.70
1991	22.712	174.70	1,241.28	134.59	2.7503	1.8720	54.03	6.4912	144.77
1992, Oct.	28.043	167.90	1,202.28	127.31	2.5456	1.7541	52.18	6.1439	133.78

YEAR	Singapore (dollar)	South Africa (rand)	South Korea (won)	Spain (peseta)	Sweden (krona)	Switzerland (franc)	Thailand (baht)	United Kingdom [1] (pound)	Germany (deutsche mark)
1970	3.0800	0.7181	310.57	69.72	5.1700	4.3160	21.000	239.59	3.6464
1980	2.1412	0.7796	607.43	71.76	4.2309	1.6772	20.476	232.43	1.8175
1981	2.1053	0.8787	681.03	92.40	5.0659	1.9674	21.731	202.43	2.2632
1982	2.1406	1.0876	731.93	110.09	6.2838	2.0327	23.014	174.80	2.4281
1983	2.1136	1.1146	776.04	143.50	7.6717	2.1006	22.991	151.59	2.5539
1984	2.1325	1.4761	807.91	160.78	8.2706	2.3500	23.582	133.66	2.8455
1985	2.2008	2.2344	861.89	169.98	8.6031	2.4551	27.193	129.74	2.9420
1986	2.1782	2.2919	884.61	140.04	7.1272	1.7979	26.314	146.77	2.1705
1987	2.1059	2.0385	825.93	123.54	6.3468	1.4918	25.774	163.98	1.7981
1988	2.0132	2.2770	734.51	116.52	6.1369	1.4642	25.312	178.13	1.7570
1989	1.9511	2.6214	674.29	118.44	6.4559	1.6369	25.725	163.82	1.8808
1990	1.8134	2.5885	710.64	101.96	5.9231	1.3901	25.609	178.41	1.6166
1991	1.7283	2.7633	736.73	104.01	6.0521	1.4356	25.528	176.74	1.6610
1992, Oct.	1.6279	2.8233	783.58	100.31	5.6781	1.4027	25.398	180.88	1.5574

[1] Value is U.S. cents per unit of foreign currency.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1426. Exchange Rates—Indexes of Value of Foreign Currency Relative to U.S. Dollar: 1970 to 1991

[1982 = 100]

YEAR	United States	Belgium	Canada	Denmark	France	Germany [1]	Italy	Japan	Netherlands	Norway	Sweden	United Kingdom
1970	100.0	92.2	118.3	111.3	119.0	66.6	215.9	69.5	73.9	90.3	121.2	137.1
1980	100.0	156.8	105.6	148.2	155.9	133.8	158.3	110.4	134.6	130.8	148.6	133.1
1981	100.0	123.6	103.0	116.9	121.0	107.7	118.9	112.9	107.4	112.4	124.0	115.8
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	100.0	89.5	100.2	91.2	86.3	95.1	89.1	104.8	93.6	88.4	81.9	86.7
1984	100.0	79.3	95.3	80.6	75.3	85.3	77.1	104.9	83.3	79.1	76.0	76.5
1985	100.0	77.2	90.4	78.7	73.3	82.5	70.9	104.4	80.5	75.1	73.0	74.2
1986	100.0	102.5	88.8	103.1	95.0	111.9	90.8	147.9	109.1	87.3	88.2	84.0
1987	100.0	122.5	93.1	121.9	109.4	135.0	104.4	172.2	131.9	95.8	99.0	93.8
1988	100.0	124.5	100.3	123.8	110.4	138.2	104.0	194.3	135.1	99.0	102.4	101.9
1989	100.0	116.2	104.2	114.0	103.1	129.1	98.7	180.4	125.9	93.4	97.3	93.7
1990	100.0	137.0	105.8	134.8	120.8	150.2	113.0	171.8	146.7	103.2	106.1	102.1
1991	100.0	133.9	107.7	130.3	116.5	146.2	109.1	185.1	142.7	99.5	103.8	101.1

[1] Former West Germany for years prior to 1991.

Source: U.S. Bureau of Labor Statistics, News Release USDL: 90-383, *"International Comparisons of Manufacturing Productivity and Labor Cost Trends"*; July 27, 1990; and unpublished data.

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No. 1427. Central Bank Discount Rates, Money Market Rates, and Government Bond Yields—Selected Countries: 1980 to 1993

[In percent per annum. **Central bank discount rates** refer to the rate at which the monetary authority lends or discounts eligible paper for deposit money banks. **Money market rates** refer to the rate at which short-term borrowings are effected between financial institutions. **Government bond yields** refer to one or more series representing average yields to maturity of government bonds or other bonds that would be indicative of longer term rates]

NATIONAL INTEREST RATE AND YEAR	United States	Canada	Japan	France	Germany [1]	Italy	Netherlands	Sweden	Switzerland	United Kingdom
Central bank discount rates: [2]										
1980	13.00	17.26	7.25	9.50	7.50	16.50	8.00	10.00	3.00	14.00
1985	7.50	9.49	5.00	9.50	4.00	15.00	5.00	10.50	4.00	(3)
1989	7.00	12.47	4.25	9.50	6.00	13.50	7.00	10.50	6.00	(3)
1990	6.50	11.78	6.00	9.50	6.00	12.50	7.25	11.50	6.00	(3)
1991	3.50	8.00	4.50	9.50	8.00	12.00	8.50	8.00	7.00	(3)
1992	3.00	7.00	3.25	9.50	8.25	12.00	7.75	10.00	6.00	(3)
1993, February	3.00	6.00	2.50	9.50	8.00	[4]12.00	7.50	9.00	5.50	(3)
Money market rates: [5]										
1980	13.36	13.28	10.93	11.85	9.10	17.17	10.13	12.17	2.29	15.62
1985	8.10	9.57	6.46	9.93	5.20	15.25	6.30	13.85	3.75	10.78
1989	9.22	12.06	4.87	9.07	6.59	12.69	6.99	11.52	6.50	13.88
1990	8.10	11.62	7.24	9.85	7.92	12.38	8.29	13.45	8.33	14.68
1991	5.70	7.40	7.46	9.49	8.84	12.18	9.01	11.81	7.73	11.75
1992	3.52	6.79	4.58	10.35	9.42	(NA)	9.27	18.42	7.47	9.55
1993, February	3.03	5.93	[4]3.83	11.46	8.65	(NA)	8.30	10.29	5.71	5.83
Government bond yields:										
1980	11.46	12.48	9.22	13.03	8.50	16.11	10.21	11.74	4.77	13.79
1985	10.62	11.04	6.34	10.94	6.87	13.00	7.34	13.09	4.78	10.62
1989	8.50	9.92	5.05	8.79	7.09	10.72	7.21	11.18	5.20	9.58
1990	8.55	10.85	7.36	9.96	8.88	11.51	8.93	13.08	6.68	11.08
1991	7.86	9.76	6.53	9.05	8.63	10.10	8.74	10.69	6.35	9.92
1992	7.01	8.77	4.94	8.60	7.96	(NA)	8.10	10.02	5.48	9.15
1993, February	6.26	8.19	3.76	7.79	6.77	(NA)	7.02	9.80	4.93	8.63

NA Not available. [1] Prior to 1990, data for former West Germany (prior to unification). [2] End of period. [3] Minimum lending rate suspended as of August 20, 1981. [4] January. [5] Period averages.

Source: International Monetary Fund; Washington, DC, *International Financial Statistics*, monthly.

No. 1428. External Debt of Eastern European Countries: 1980 to 1991

[**In billions of dollars. Gross debt:** total amount owed. **Commercial debt:** money owed to private institutions or indiviuals. **Official debt:** money owed to or guaranteed by a foreign government. Net debt represents gross debt minus assets held with Western commercial banks]

TYPE AND SOURCE	1980	1984	1985	1986	1987	1988	1989	1990	1991
Former Soviet Union: Gross debt	20.5	22.3	29.0	36.0	40.8	42.4	50.8	53.6	61.0
Commercial debt	11.0	13.2	19.5	25.9	30.1	33.7	40.5	35.6	31.8
Official debt	9.5	9.1	9.5	10.1	10.7	8.7	10.3	18.0	29.2
Net debt	10.5	10.8	15.7	21.1	25.9	26.9	36.3	45.4	(NA)
Bulgaria: Gross debt	3.5	2.2	3.7	4.9	6.1	7.5	10.0	11.4	11.9
Commercial debt	3.2	1.8	3.1	4.2	5.3	6.5	8.8	9.5	9.4
Official debt	0.3	0.5	0.6	0.7	0.9	1.0	1.2	1.9	2.5
Net debt	2.7	0.8	1.5	3.6	5.0	(NA)	(NA)	(NA)	(NA)
Czechoslovakia: Gross debt	4.9	3.6	3.8	4.5	5.8	6.1	7.8	8.1	9.3
Commercial debt	4.1	2.6	2.8	3.4	4.5	4.8	5.9	6.1	6.9
Official debt	0.9	1.0	1.0	1.1	1.3	1.3	1.9	2.0	2.4
Net debt	3.7	2.6	2.8	3.3	4.2	(NA)	(NA)	(NA)	(NA)
Hungary: Gross debt	9.1	8.8	11.8	15.1	17.8	18.0	21.9	21.3	22.7
Commercial debt	8.8	7.0	9.8	12.7	15.0	15.3	17.0	16.4	15.7
Official debt	0.3	0.8	0.8	0.9	1.0	1.0	3.2	2.3	3.1
BIS/IMF [1]	-	1.1	1.2	1.5	1.8	1.7	1.7	2.6	3.9
Net debt	7.0	6.7	8.6	12.0	15.5	(NA)	(NA)	(NA)	(NA)
Poland: Gross debt	25.0	26.8	29.3	33.5	39.2	38.5	39.7	48.5	46.3
Commercial debt	14.9	9.4	10.6	12.1	12.8	11.9	13.4	14.5	12.8
Official debt	10.1	17.4	18.7	21.4	26.4	26.6	26.3	33.5	30.6
IMF/World Bank [1]	-	-	-	-	-	-	-	0.5	2.9
Net debt	24.4	25.3	27.7	31.8	36.2	(NA)	(NA)	(NA)	(NA)
Romania: Gross debt	9.4	7.1	6.6	6.4	5.1	2.2	0.1	0.8	2.2
Commercial debt	6.5	3.4	2.9	2.7	1.7	0.4	0.1	0.7	0.3
Official debt	1.7	1.1	1.1	1.1	0.8	0.6	-	0.1	0.7
IMF/World Bank/CEMA bank [1]	1.2	2.6	2.6	2.6	2.6	1.2	-	-	1.2
Net debt	9.1	6.4	6.4	5.8	4.5	(NA)	(NA)	(NA)	(NA)
Yugoslavia: Gross debt	17.4	18.8	19.2	19.4	18.7	18.2	15.7	(NA)	(NA)
Commercial debt	12.8	9.0	7.8	7.4	7.6	7.8	6.7	(NA)	(NA)
Official debt	2.6	5.8	7.1	7.7	6.6	5.4	5.3	(NA)	(NA)
IMF/World Bank [1]	2.1	4.1	4.3	4.2	4.5	5.0	3.7	(NA)	(NA)
Net debt	16.2	17.7	18.1	17.9	18.0	(NA)	(NA)	(NA)	(NA)

- Represents zero. NA Not available. [1] IMF=International Monetary Fund. CEMA=Council for Mutual Economic Assistance.

Source: U.S. Central Intelligence Agency, *Handbook of International Economic Statistics, 1992;* and unpublished data.

No. 1429. Total External Public Debt, 1980 to 1991, and by Type of Creditor, 1991, and Debt Service Payments and Ratio, 1980 to 1991

[**External public debt** is defined as debt repayable to external creditors in foreign currency, goods, or services, with an original or extended maturity of more than 1 year, which is a direct obligation of, or has repayment guaranteed by, a public body in the borrowing country. Excludes undisbursed debt (amounts not yet drawn by recipient) and unguaranteed private debt, which for some countries is substantial. Debt contracted for the purchase of military equipment is not usually reported. **Debt service** payments represent the sum of interest payments and repayments of principal on external public debt]

COUNTRY	TOTAL EXTERNAL PUBLIC DEBT (mil. dol.)							DEBT SERVICE PAYMENTS (mil. dol.)			DEBT SERVICE RATIO [3] (percent)		
				1991									
	1980	1985	1990	Total [1]	Bilateral official	Banks [2]	International organizations	1980	1990	1991	1980	1990	1991
Argentina [4]	10,181	37,327	46,931	45,388	6,955	32,041	5,415	1,987	4,600	5,449	17.7	30.5	36.8
Bangladesh	3,417	5,966	11,440	12,103	4,931	-	6,998	110	523	412	9.4	15.0	11.1
Bolivia	2,182	3,511	3,682	3,524	1,501	245	1,718	290	289	221	(NA)	18.2	21.2
Brazil	40,895	74,739	83,760	87,477	14,779	53,191	11,068	8,065	5,575	7,604	27.7	28.9	23.4
Bulgaria	(NA)	3,964	9,564	11,023	2,063	5,534	549	(NA)	1,284	1,076	34.6	15.7	21.8
Cameroon	2,005	2,003	4,753	5,027	2,543	349	1,418	186	300	306	21.9	15.0	24.0
Chile	4,705	12,897	10,356	10,024	964	4,384	4,315	1,375	1,571	2,793	4.4	9.7	10.3
China: Mainland	4,504	9,963	45,284	50,502	9,514	20,322	7,527	930	5,896	7,269	23.9	14.6	13.5
Colombia	4,089	9,573	14,681	14,503	2,315	4,507	6,159	529	3,116	3,089	10.1	12.8	13.1
Congo	1,257	2,342	4,102	3,989	2,657	419	574	71	457	216	6.9	30.5	19.3
Costa Rica	1,700	3,534	3,076	3,316	1,460	616	1,189	206	433	341	8.9	30.8	27.6
Cote d'Ivoire	4,310	5,778	10,188	10,424	4,501	2,678	2,931	870	520	499	16.9	21.2	15.1
Dominican Republic	1,220	2,691	3,435	3,471	1,628	777	880	154	145	180	10.3	5.5	6.8
Ecuador	3,300	7,199	9,867	9,952	1,984	4,908	2,235	559	875	927	18.8	26.7	27.0
Egypt	16,212	34,978	34,318	36,028	27,828	774	3,339	747	2,734	1,828	8.1	16.5	10.0
Ethiopia	669	1,726	3,123	3,301	1,576	101	1,357	34	190	126	5.8	28.1	23.0
Gabon	1,271	945	2,925	2,935	1,891	182	350	398	144	78	16.4	5.5	3.0
Ghana	1,161	1,297	2,672	2,958	672	6	2,071	108	180	161	8.9	18.1	14.7
Guatemala	549	2,166	2,179	2,103	777	323	953	45	163	253	2.5	9.7	15.0
Honduras	974	2,137	3,217	2,866	967	156	1,618	98	313	261	10.1	29.0	25.0
Hungary	6,416	9,965	17,999	19,221	521	14,149	3,342	1,460	3,748	3,772	(NA)	30.4	30.1
India [5]	18,373	31,563	60,228	62,842	16,352	11,749	23,992	1,166	5,322	5,988	7.9	22.2	20.8
Indonesia	15,027	26,777	45,004	48,003	21,259	5,449	15,955	1,763	6,666	6,817	7.7	19.9	22.7
Jamaica	1,421	3,122	3,874	3,751	2,079	287	1,192	206	525	566	14.0	20.2	24.0
Jordan	1,486	3,404	7,143	7,570	3,822	1,358	936	182	517	583	7.3	14.4	16.7
Kenya	2,120	2,670	4,702	4,789	1,326	580	2,678	247	489	522	12.3	6.2	3.8
Madagascar	892	2,154	3,195	3,381	1,761	59	1,388	57	132	115	5.6	8.9	8.2
Malaysia	4,008	14,840	14,777	16,447	2,720	9,729	1,942	376	3,146	2,724	27.1	14.4	19.6
Mali	669	1,301	2,305	2,392	1,419	2	962	9	40	11	11.0	25.4	24.6
Mexico	33,915	72,703	76,752	78,456	9,694	48,141	15,475	7,890	7,977	9,378	35.6	17.5	19.9
Morocco	8,325	13,825	22,236	20,132	10,483	3,175	5,064	1,173	1,490	2,023	2.8	5.9	1.8
Nicaragua	1,661	4,892	8,067	8,703	5,554	2,088	957	87	10	386	2.5	9.0	6.9
Oman	436	1,908	2,205	2,270	237	1,619	132	223	757	541	16.9	2.5	110.9
Pakistan	8,507	10,565	16,486	17,632	9,014	317	8,048	592	1,365	1,472	5.7	12.8	10.6
Panama	2,271	3,320	3,988	3,939	601	2,307	956	466	140	181	12.4	13.3	14.9
Papua New Guinea	465	1,069	1,511	1,601	328	267	870	61	270	236	6.0	2.6	2.9
Peru	6,218	9,816	12,906	15,080	7,663	3,731	1,898	1,506	174	794	31.2	4.0	18.4
Philippines	6,363	13,697	23,695	24,530	10,161	6,776	6,672	596	2,866	2,787	7.3	21.1	18.4
Poland	(NA)	29,763	39,285	44,057	31,886	10,195	878	(NA)	840	834	5.6	18.1	13.3
Portugal	6,728	12,825	16,994	19,374	1,463	10,565	2,805	1,024	4,395	5,077	-	4.3	4.5
Senegal	1,105	2,058	2,946	2,838	1,283	77	1,412	219	212	222	12.0	21.9	22.9
South Korea	15,933	28,279	18,781	22,246	5,544	8,227	3,590	2,783	4,769	3,204	10.5	14.0	15.8
Sri Lanka	1,227	2,838	4,938	5,653	2,939	294	2,085	84	285	288	9.9	2.2	3.6
Sudan	3,822	6,602	9,156	9,221	5,782	1,579	1,856	102	23	23	24.2	12.7	13.5
Syria	2,918	9,502	14,959	14,932	13,069	-	1,048	302	1,374	627	9.0	23.5	12.7
Tanzania	1,915	2,957	5,598	5,786	3,569	16	1,968	63	106	98	5.1	10.5	4.9
Thailand	3,943	9,860	12,573	13,293	4,841	2,933	3,544	441	3,297	1,856	11.6	18.6	17.2
Tunisia	3,210	4,455	6,684	7,156	3,161	281	2,714	427	1,208	1,135	18.3	22.6	23.1
Turkey	15,040	19,564	38,617	39,207	8,618	17,426	10,142	1,053	6,433	6,605	8.2	19.3	18.3
Uganda	542	877	2,212	2,325	645	77	1,449	36	65	92	10.9	28.0	42.2
Uruguay	1,127	2,695	3,009	2,843	158	1,817	859	198	709	638	12.4	29.7	26.7
Venezuela	10,614	17,738	24,611	25,189	346	20,483	2,210	2,955	4,169	2,312	13.3	19.4	12.6
Yemen	1,453	2,968	5,126	5,207	3,991	80	1,059	35	107	111	(NA)	2.5	3.7
Yugoslavia [6]	4,581	11,149	12,986	11,641	4,001	4,735	2,784	617	2,719	2,339	3.4	6.8	11.3
Zaire	4,261	4,958	8,951	9,151	6,194	524	2,085	396	136	95	16.5	5.9	4.3
Zambia	2,141	3,141	4,858	4,954	2,944	73	1,518	287	166	483	17.7	11.5	40.7
Zimbabwe	696	1,778	2,465	2,604	907	413	728	50	370	465	2.9	18.5	22.6

- Represents or rounds to zero. NA Not available. [1] Includes other types of creditors not shown separately. [2] Includes other private financial institutions. [3] Debt service payments as percent of exports. [4] The increase in debt outstanding from 1980 to 1985 includes the refinancing of short-term private debt by public debt, which matured in 1986-87. [5] Fiscal year basis. [6] The bulk of the debt of Yugoslovian enterprises is reported as nonguaranteed.

Source: The World Bank, Washington, DC, *World Debt Tables*, periodic.

No. 1430. Net Flow of Financial Resources to Developing Countries, by Origin and Type of Resource: 1970 to 1991

[**In billions of U.S. dollars.** Net flow covers loans, grants, and grant-like flows minus amortization on loans. Military flows are excluded. Developing countries cover countries designated by Development Assistance Committee as developing. Official development assistance covers all flows to developing countries and multilateral institutions provided by official agencies, including State and local governments, or by their executive agencies, which are administered with the promotion of economic development and welfare of developing countries as their main objective and whose financial terms are intended to be concessional in character with grant element of at least 25 percent. Other official flows cover export credits and portfolio investment from the official sector]

ORIGIN AND TYPE OF RESOURCE	1970	1980	1984	1985	1986	1987	1988	1989	1990	1991
Development Assistance Committee countries [1]	15.9	75.4	79.1	45.2	68.8	66.4	85.6	84.4	68.4	(NA)
Official development assistance	6.9	27.3	28.7	29.4	36.7	41.6	48.1	45.7	53.0	56.7
Bilateral grants [2]	3.3	14.1	15.5	17.8	21.1	23.4	26.0	25.9	30.8	34.6
Bilateral loans	2.4	4.0	4.2	4.1	5.2	6.6	7.1	7.1	6.4	6.7
Multilateral contributions [3]	1.3	9.2	9.0	7.5	10.4	11.6	15.0	12.8	15.8	15.4
Other official flows	1.1	5.3	6.2	3.4	2.1	2.0	4.9	5.8	8.9	(NA)
Private flows at market terms	7.0	40.4	41.6	9.4	26.7	18.8	28.3	28.8	1.4	(NA)
Direct investment	3.7	10.1	10.9	6.5	11.0	21.0	25.1	30.1	26.8	(NA)
Private export credits	2.2	11.5	3.5	0.8	−1.7	2.4	−1.3	5.7	−0.4	(NA)
Portfolio investment	1.2	18.7	27.2	2.1	17.4	0.3	4.4	-7.0	−25.2	(NA)
Private voluntary agencies	0.9	2.4	2.6	2.9	3.3	4.0	4.2	4.0	5.1	(NA)
Organization of Petroleum Exporting Countries [4]	0.6	10.8	3.7	4.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Official development assistance	0.4	9.7	4.6	3.6	4.7	3.3	2.4	2.4	6.4	2.7
Other official flows	0.2	1.1	−0.9	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Centrally-planned economies: [5]										
Official development assistance	1.0	2.6	3.4	3.6	4.6	5.0	5.0	4.7	−2.2	(NA)
Total net flow to developing countries, by DAC country [1]	15.9	75.4	79.1	45.2	68.8	66.4	85.6	84.4	68.4	(NA)
United States	6.4	13.9	28.6	1.8	18.2	13.8	17.5	16.4	11.1	20.8
Official development assistance	3.2	7.1	8.7	9.4	9.6	8.9	10.1	7.7	11.4	11.3
Bilateral grants [2]	1.4	3.0	5.6	7.3	7.0	6.7	6.5	6.8	8.5	12.1
Bilateral loans	1.3	1.4	0.8	0.9	0.6	0.3	0.3	(Z)	−0.2	-2.7
Multilateral contributions [3]	0.5	2.8	2.3	1.2	2.0	1.9	3.4	0.9	3.0	1.9
Other official flows	0.1	1.1	1.0	0.2	−0.6	−1.8	1.9	-0.5	−0.4	−0.8
Private flows at market terms	2.5	4.3	17.4	9.3	7.5	4.4	3.2	7.3	−2.4	7.6
Direct investment	1.9	3.4	4.4	0.9	3.1	8.0	4.2	7.1	7.8	10.5
Private export credits and portfolio investment	0.6	0.9	13.0	−10.2	4.4	−3.6	−1.0	-0.3	−10.1	-2.9
Private voluntary agencies	0.6	1.3	1.5	1.5	1.7	1.6	2.3	1.9	2.5	2.7
Australia	0.4	0.9	1.5	1.2	1.1	0.9	3.6	1.5	1.5	−2.1
Austria	0.1	0.3	0.1	0.2	0.1	0.2	0.3	0.2	0.6	0.7
Belgium	0.3	2.9	3.5	1.3	−0.8	-0.3	1.8	1.5	0.1	1.5
Canada	0.6	3.2	2.8	1.7	1.6	2.5	2.7	2.7	3.2	4.0
Denmark	0.1	0.8	0.6	0.4	0.5	0.9	0.7	0.9	1.1	1.1
Finland	(Z)	0.2	0.3	0.3	0.4	0.6	0.8	0.9	1.0	1.0
France	1.8	11.6	8.9	8.9	9.2	8.7	7.2	5.6	6.1	(NA)
Germany [6]	1.5	10.6	6.5	5.8	7.9	8.8	11.8	12.1	13.6	13.1
Ireland	(NA)	(Z)	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.2
Italy	0.7	4.0	2.3	2.2	2.6	2.0	5.1	5.8	3.2	7.6
Japan	1.8	6.8	11.7	11.6	14.6	20.3	21.2	24.1	18.7	25.0
Netherlands	0.4	2.4	2.0	2.6	2.8	3.2	2.7	2.5	4.0	4.4
New Zealand	(Z)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Norway	0.1	0.9	0.6	0.6	0.7	0.9	0.9	0.9	1.2	1.4
Sweden	0.2	1.9	1.3	1.4	1.7	1.8	2.3	2.3	2.8	1.8
Switzerland	0.1	2.7	3.4	2.5	1.4	−1.6	2.0	2.7	4.6	0.8
United Kingdom	1.3	12.2	4.8	2.5	6.7	3.5	4.7	3.4	−4.4	(NA)

NA Not available. Z Less than $50 million. [1] Includes flows to OPEC countries (see footnote 4). Comprises as donors Australia, Austria, Belgium, Canada, Denmark, Finland, France, Ireland, Italy, Japan, Netherlands, New Zealand, Norway, Sweden, Switzerland, United Kingdom, United States, and Germany. [2] Includes "grant-like" flows (i.e., loans repayable in recipients' currencies). [3] Includes capital subscriptions to multilateral organizations in the form of demand instruments as of date of issue. [4] Algeria, Ecuador, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. [5] Bulgaria, Czechoslovakia, Hungary, Poland, Romania, and former Soviet Union. [6] Former West Germany (prior to unification).
Source: Organization for Economic Cooperation and Development, Paris, France, unpublished data.

No. 1431. Per Capita Public and Private Aid to Developing Countries: 1980 to 1990

[**In dollars.** See headnote, table 1430. Private aid figures exclude government subsidies to voluntary agencies. Countries are ranked by per capita gross national product in 1990]

COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID			COUNTRY	OFFICIAL DEVELOPMENT ASSISTANCE			PRIVATE VOLUNTARY AID		
	1980	1985	1990	1980	1985	1990		1980	1985	1990	1980	1985	1990
Switzerland	40	46	110	10	8	17	Austria	24	33	51	3	2	4
Finland	23	43	170	3	3	7	Belgium	60	45	89	5	2	6
Sweden	116	101	235	7	9	(NA)	Italy	12	19	59	(Z)	(Z)	(NA)
Norway	119	138	284	8	12	31	Netherlands	115	78	173	6	7	16
Denmark	92	86	228	3	3	6	Australia	45	47	56	3	3	3
Germany [1]	58	48	100	7	7	12	United Kingdom	33	27	46	2	3	6
Japan	29	31	73	(Z)	(Z)	1	New Zealand	23	16	28	2	3	4
United States	31	39	45	6	6	10	Spain	(NA)	(NA)	959	(NA)	(NA)	(NA)
Canada	45	64	93	4	7	10	Ireland	9	11	16	-	6	7
France	77	72	166	1	1	3	Portugal	(NA)	(NA)	148	(NA)	(NA)	(NA)

- Represents or rounds to zero. NA Not available. Z Less than 50 cents. [1] Former West Germany (prior to unification).
Source: Organization for Economic Cooperation and Development, Paris, France, unpublished data.

No. 1432. Military Expenditures in Current and Constant (1989) Dollars: 1980 to 1989

[In millions of dollars, except as indicated. See also table 551. For most countries, data for expenditures and for GNP were based on local currencies which were deflated to constant 1989 local currency values before conversion to U.S. dollar equivalents. In general, the rates used for conversion are the 1989 average par/market exchange rates as supplied by the International Bank for Reconstruction and Development]

COUNTRY	CURRENT DOLLARS				CONSTANT (1989) DOLLARS							
									Per capita (dollars)		Percent of GNP [1]	
	1980	1985	1988	1989	1980	1985	1988	1989	1980	1989	1980	1989
United States	**144,000**	**265,800**	**293,100**	**304,100**	**212,100**	**302,600**	**305,100**	**304,100**	**931**	**1,222**	**5.3**	**5.8**
Algeria [2]	940	1,040	1,595	2,313	1,385	1,183	1,660	2,313	73	94	3.9	5.1
Argentina	1,559	[2]1,847	1,989	1,858	2,296	[2]2,103	2,070	1,858	81	58	3.6	3.4
Australia	3,226	5,856	6,093	6,153	4,753	6,666	6,342	6,153	325	368	2.3	2.3
Austria	820	[2]1,322	1,310	1,402	1,208	[2]1,505	1,364	1,402	160	184	1.1	1.1
Belgium	2,951	3,592	3,811	3,881	4,348	4,089	3,968	3,881	442	392	3.3	2.5
Brazil	1,899	2,793	5,731	(NA)	2,799	3,180	5,966	(NA)	23	(NA)	0.7	(NA)
Bulgaria [2]	3,993	5,808	5,868	5,885	5,883	6,612	6,109	5,885	665	656	13.1	11.9
Canada	5,176	8,943	10,500	10,840	7,626	10,180	10,930	10,840	317	413	1.9	2.0
Chile [3]	449	619	[2]803	[2]790	662	704	[2]836	[2]790	60	[2]61	3.6	[2]3.4
China:												
Mainland [2]	16,370	19,850	21,830	22,330	24,120	22,600	22,720	22,330	25	20	8.8	3.7
Taiwan	3,222	[2]6,377	[2]6,607	[2]8,060	4,748	[2]7,260	[2]6,877	[2]8,060	266	[2]397	6.5	[2]5.4
Cuba [3]	1,140	1,335	1,350	1,377	1,680	1,520	1,405	1,377	174	131	6.5	3.9
Czechoslovakia [2]	5,249	7,998	9,131	8,361	7,734	9,105	9,505	8,361	507	534	7.4	6.8
Denmark	1,454	1,909	2,135	2,184	2,143	2,173	2,222	2,184	418	426	2.5	2.2
East Germany [2]	7,040	10,810	12,770	13,970	10,370	12,310	13,290	13,970	620	848	7.9	8.8
Egypt [2]	2,923	6,785	5,559	3,499	4,306	7,724	5,786	3,499	103	67	9.5	5.0
El Salvador	120	[2]276	[2]237	[2]252	177	[2]314	[2]247	[2]252	38	[2]48	2.7	[2]4.0
Finland	909	1,435	1,687	1,788	1,339	1,633	1,756	1,788	280	360	1.6	1.6
France	21,230	29,600	33,490	35,260	31,270	33,690	34,860	35,260	581	628	4.0	3.7
Greece	1,779	3,052	3,170	3,097	2,621	3,474	3,300	3,097	272	309	5.5	5.9
Hungary [2]	2,832	3,782	4,396	4,064	4,173	4,305	4,576	4,064	390	384	7.2	6.3
India	3,608	6,662	8,377	8,174	5,316	7,584	8,721	8,174	8	10	3.2	3.1
Indonesia	1,093	1,446	1,402	1,510	1,611	1,646	1,460	1,510	10	8	3.1	1.7
Iran [2]	2,624	(NA)	(NA)	(NA)	3,867	(NA)	(NA)	(NA)	99	(NA)	7.0	(NA)
Israel	6,654	7,027	5,585	5,745	9,805	7,999	5,814	5,745	2,623	1,323	28.8	12.8
Italy	10,110	15,320	19,790	20,720	14,900	17,440	20,600	20,720	264	360	2.1	2.4
Japan	12,330	20,650	26,100	28,410	18,170	23,510	27,170	28,410	156	231	0.9	1.0
Kuwait	892	1,525	1,273	1,964	1,314	1,736	1,325	1,964	959	962	2.9	6.2
Malaysia	664	[2]910	832	1,039	978	[2]1,036	866	1,039	71	61	4.4	2.9
Mexico	456	1,049	962	875	671	1,194	1,002	875	10	10	0.4	0.5
Morocco [2]	763	(NA)	1,102	1,203	1,124	(NA)	1,147	1,203	55	48	7.2	5.5
Netherlands	4,048	5,433	6,070	6,399	5,965	6,185	6,319	6,399	422	431	3.1	2.9
Nicaragua [2]	53	192	(NA)	(NA)	78	218	(NA)	(NA)	28	(NA)	6.2	(NA)
Nigeria	447	294	201	130	658	335	210	130	7	1	2.4	0.5
North Korea [2]	4,380	5,260	5,840	6,000	6,454	5,988	6,079	6,000	359	285	20.0	20.0
Norway	1,320	2,152	2,680	2,925	1,945	2,450	2,790	2,925	476	691	3.0	3.3
Oman	1,059	1,937	1,350	1,552	1,560	2,205	1,405	1,552	1,585	1,085	22.1	20.3
Pakistan	777	1,748	2,309	2,488	1,145	1,990	2,404	2,488	13	22	5.4	6.8
Peru	1,457	[2]2,356	(NA)	(NA)	2,147	[2]2,682	(NA)	(NA)	124	(NA)	5.0	(NA)
Philippines	501	405	675	960	738	461	702	960	15	15	1.9	2.2
Poland [2]	9,644	14,670	15,350	15,480	14,210	16,700	15,980	15,480	399	410	8.9	8.9
Portugal	858	1,051	1,338	1,457	1,265	1,196	1,393	1,457	129	141	3.6	3.3
Romania [2]	4,587	6,840	7,004	6,916	6,759	7,787	7,291	6,916	304	299	6.1	6.1
Saudi Arabia	14,990	21,340	13,600	14,690	22,090	24,290	14,160	14,690	2,176	897	14.3	16.0
Singapore	533	1,125	1,343	1,475	785	1,281	1,398	1,475	325	550	5.2	5.1
South Africa	2,563	2,612	3,555	3,786	3,777	2,974	3,701	3,786	125	98	5.2	4.4
South Korea	3,821	6,109	8,030	9,100	5,629	6,955	8,359	9,100	148	213	6.1	4.3
Soviet Union [2]	198,200	277,200	317,900	311,000	292,000	315,600	330,900	311,000	1,096	1,077	12.9	11.7
Spain	4,560	6,639	7,244	7,775	6,719	7,558	7,541	7,775	179	199	2.3	2.1
Sweden	3,257	4,390	4,875	4,872	4,799	4,998	5,075	4,872	577	574	3.1	2.6
Switzerland	2,461	[2]3,487	[2]3,468	[2]3,806	3,626	[2]3,970	[2]3,610	[2]3,806	568	[2]568	2.4	[2]2.1
Syria [3]	1,936	[2]3,627	[2]1,801	2,234	2,852	[2]4,129	[2]1,875	2,234	328	186	17.2	11.6
Thailand	1,011	1,814	1,741	1,843	1,489	2,065	1,813	1,843	32	33	4.1	2.7
Turkey	1,635	2,552	2,826	3,150	2,409	2,906	2,942	3,150	53	56	4.8	4.1
United Arab Emirates	1,724	[2]1,901	1,587	1,471	2,541	[2]2,165	1,652	1,471	2,540	695	5.5	5.3
United Kingdom	22,080	32,560	32,710	34,630	32,530	37,070	34,050	34,630	578	605	5.0	4.2
Venezuela	317	358	[2]647	[2]407	467	407	[2]674	[2]407	31	[2]21	1.1	[2]1.0
West Germany	22,400	29,980	32,300	33,600	33,000	34,130	33,630	33,600	536	544	3.3	2.8
Yugoslavia	1,669	1,884	2,528	2,126	2,459	2,144	2,631	2,126	110	90	4.3	3.6

NA Not available. [1] Military expenditure as percent of gross national product. [2] Estimated. [3] Data probably omit a major share of total military expenditures, probably including most arms acquisitions.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 1433. Armed Forces Personnel—Number and Rate, by Country: 1980 to 1989

[**Personnel data as of July.** Armed Forces refer to active-duty military personnel, including paramilitary forces where those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included]

COUNTRY	ARMED FORCES PERSONNEL (1,000)						ARMED FORCES PER 1,000 POPULATION					
	1980	1985	1986	1987	1988	1989	1980	1985	1986	1987	1988	1989
United States	**2,050**	**2,244**	**2,269**	**2,279**	**2,246**	**2,241**	**9.0**	**9.4**	**9.4**	**9.3**	**9.1**	**9.0**
Algeria	101	170	180	170	126	126	5.4	7.7	7.9	7.2	5.2	5.1
Argentina	155	129	104	118	95	95	5.5	4.3	3.4	3.8	3.0	3.0
Australia	71	70	71	70	71	70	4.9	4.4	4.4	4.3	4.3	4.2
Austria	40	40	39	70	55	48	5.3	5.3	5.2	9.2	7.2	6.3
Belgium	108	107	107	109	110	110	11.0	10.9	10.8	11.0	11.1	11.1
Brazil	450	496	527	541	319	319	3.7	3.6	3.7	3.8	2.2	2.1
Bulgaria	188	189	190	191	160	150	21.2	21.2	21.2	21.3	17.8	16.7
Canada	82	83	85	86	88	88	3.4	3.3	3.4	3.4	3.4	3.4
Chile	116	124	127	127	96	95	10.5	10.3	10.3	10.1	7.6	7.4
China: Mainland	4,650	4,100	4,030	3,530	3,783	3,903	4.7	3.9	3.8	3.3	3.5	3.5
Taiwan	465	440	390	365	390	379	26.1	22.7	19.9	18.4	19.4	18.6
Cuba	220	297	297	297	297	297	22.8	29.4	29.2	28.9	28.6	28.3
Czechoslovakia	190	210	214	215	211	175	12.5	13.5	13.8	13.8	13.5	11.2
Denmark	33	29	28	28	30	31	6.4	5.7	5.5	5.5	5.8	6.0
East Germany	228	242	242	241	242	262	13.6	14.5	14.6	14.5	14.6	15.9
Egypt	447	466	400	450	452	450	10.7	9.9	8.3	9.1	8.9	8.7
El Salvador	16	48	48	49	45	45	3.4	10.0	9.8	9.8	8.8	8.6
Finland	36	40	37	37	40	39	7.5	8.2	7.4	7.4	8.1	7.9
France	575	563	558	559	558	554	10.7	10.2	10.1	10.0	10.0	9.9
Greece	186	201	202	199	199	201	19.3	20.2	20.3	19.9	19.9	20.1
Honduras	14	21	22	22	19	19	3.9	5.0	5.1	4.9	4.2	4.1
Hungary	120	117	116	116	117	109	11.2	11.0	10.9	10.9	11.0	10.3
India	1,104	1,515	1,492	1,502	1,362	1,257	1.6	2.0	1.9	1.9	1.7	1.5
Indonesia	250	281	278	281	284	285	1.6	1.6	1.6	1.6	1.6	1.5
Iran	305	345	345	350	654	604	7.8	7.3	7.1	6.9	12.6	11.2
Iraq	430	788	800	900	1,000	1,000	32.5	50.2	49.2	53.5	57.4	55.3
Israel	196	195	180	180	191	191	52.4	47.8	43.5	42.8	44.7	44.0
Italy	500	531	529	531	533	533	8.9	9.3	9.2	9.3	9.3	9.3
Japan	242	241	245	244	245	247	2.1	2.0	2.0	2.0	2.0	2.0
Kuwait	12	16	18	20	15	20	8.8	9.3	10.0	10.7	7.7	9.9
Malaysia	83	106	106	106	108	110	6.0	6.8	6.6	6.5	6.5	6.4
Mexico	120	140	141	141	154	154	1.7	1.8	1.8	1.7	1.8	1.8
Morocco	117	165	185	200	195	195	5.7	7.2	7.9	8.3	7.9	7.8
Netherlands	107	103	106	106	107	106	7.6	7.1	7.3	7.2	7.2	7.1
Nicaragua	24	74	75	80	74	74	8.6	22.5	22.2	23.2	21.0	20.4
Nigeria	150	134	138	138	107	107	1.7	1.3	1.3	1.3	1.0	0.9
North Korea	700	784	838	838	842	1,040	38.9	40.0	42.0	41.3	40.8	49.5
Norway	40	36	38	38	40	43	9.7	8.7	9.1	9.1	9.5	10.2
Oman	15	25	26	27	27	29	15.2	20.2	20.3	22.3	19.3	20.3
Pakistan	467	644	573	572	484	520	5.5	6.5	5.6	5.4	4.5	4.7
Peru	151	128	127	127	111	110	8.7	6.5	6.3	6.2	5.3	5.1
Philippines	155	157	161	161	105	106	3.0	2.7	2.7	2.7	1.7	1.7
Poland	408	439	443	441	430	350	11.5	11.8	11.8	11.7	11.4	9.3
Portugal	88	102	101	105	104	104	9.0	10.0	9.9	10.2	10.1	10.1
Qatar	6	7	9	11	7	7	26.0	20.1	24.0	27.2	16.1	15.1
Romania	211	237	238	248	220	207	9.5	10.4	10.4	10.8	9.5	8.9
Saudi Arabia	79	80	80	80	84	82	7.8	5.9	5.6	5.4	5.3	5.0
Singapore	50	59	56	55	56	56	20.7	23.1	21.5	21.1	21.0	20.7
South Africa	70	95	90	102	100	100	2.3	2.7	2.5	2.8	2.7	2.6
South Korea	600	600	604	604	626	647	15.7	14.6	14.5	14.4	14.8	15.1
Soviet Union	3,900	3,900	3,900	3,900	3,900	3,700	14.6	14.0	13.9	13.7	13.6	12.8
Spain	356	314	314	314	304	277	9.5	8.2	8.1	8.1	7.8	7.1
Sweden	70	69	66	66	65	62	8.4	8.3	7.8	7.8	7.7	7.4
Switzerland	23	23	21	20	23	17	3.6	3.5	3.2	3.0	3.5	2.5
Syria	250	402	400	400	400	400	28.8	38.8	37.2	35.9	34.5	33.3
Thailand	234	270	275	275	273	273	5.0	5.2	5.2	5.1	5.0	4.9
Turkey	717	814	860	879	847	780	15.9	16.0	16.5	16.4	15.5	13.9
United Arab Emirates	44	44	44	44	43	43	44.0	28.0	25.7	23.8	21.7	20.3
United Kingdom	330	334	331	328	324	318	5.9	5.9	5.8	5.8	5.7	5.6
Venezuela	55	71	66	69	73	75	3.7	4.1	3.7	3.8	3.9	3.9
Vietnam	900	1,000	1,300	1,300	1,100	1,000	16.9	16.9	21.4	21.0	17.3	15.4
West Germany	490	495	495	495	495	503	8.0	8.1	8.1	8.1	8.1	8.1
Yugoslavia	260	258	234	234	229	225	11.6	11.2	10.0	10.0	9.7	9.5

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.