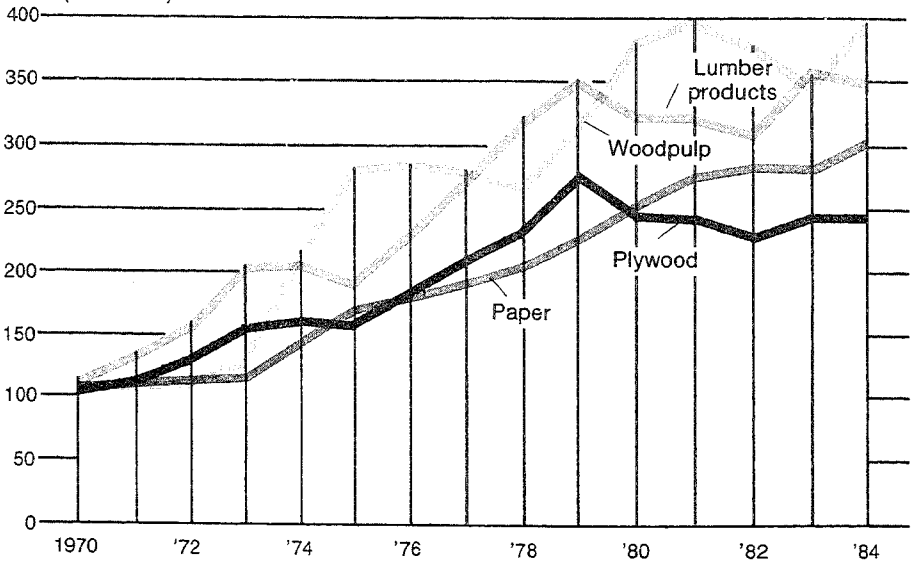
Figure 25.1

Selected Timber Products—Producer Price Indexes: 1970 to 1984

Index (1967 = 100)

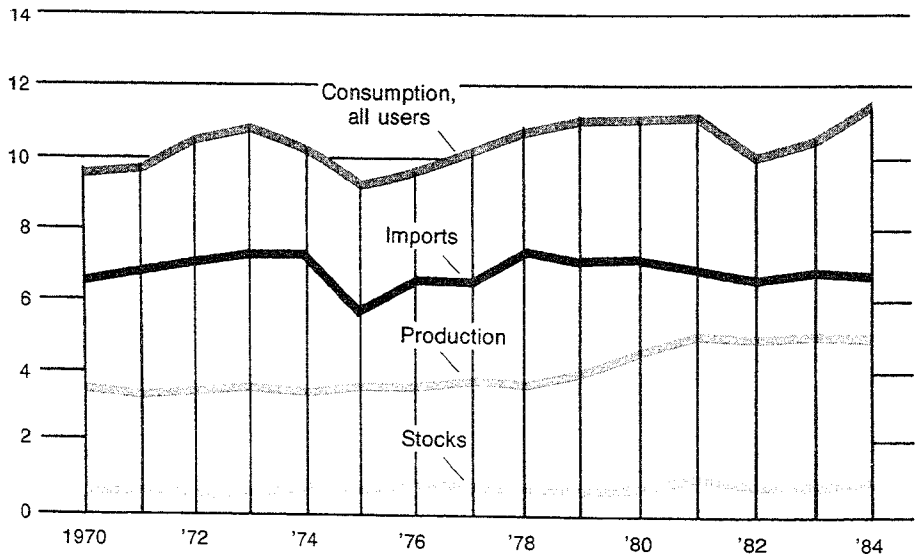


Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1205.

Figure 25.2

Newsprint—Production, Stocks, Consumption, and Imports: 1970 to 1984

Millions of metric tons



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1211.

1986

Section 25

Forests and Forest Products

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data.

The principal sources of these data are: *An Analysis of the Timber Situation in the United States, 1952–2030, Appendix 3; U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–84; Land Areas of the National Forest System;* and *Wildfire Statistics,* issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the annual *Current Industrial Reports,* issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. Estimates of fire damage or causes of fires for Federal lands are considered much better than those for private lands. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

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

No. 1196. National Forest Lands and Purchases: 1950 to 1984

[Area as of **June 30** except, beginning **1980,** as of **Sept. 30;** purchases for years ending **June 30,** except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970,* series L 10–14]

ITEM	Unit	1950	1960	1965	1970	1975	1980	1981	1982	1983	1984
Gross area [1]	Mil. acres	229	227	226	226	226	226	230	230	230	230
National Forest System	Mil. acres	181	186	187	187	188	187	191	191	191	191
Approved for purchase	1,000 acres	61	8	29	92	12	42	111	2	7	8
Average price per acre	Dollars	9	15	47	125	275	664	454	675	332	544
Total price	Mil. dol	.5	.1	1.3	11.5	3.3	27.9	50.4	1.5	2.4	4.2
Purchases completed	1,000 acres	97	8	33	113	34	27	83	13	31	35
Average price per acre	Dollars	7	31	39	96	267	617	530	409	330	407
Total price	Mil. dol	.7	.2	1.3	10.9	9.1	17.1	44.0	5.2	10.0	14.0
Gross area of purchase units	Mil. acres	53	56	56	56	56	56	56	58	58	58
Purchase completed, net area [2]	Mil. acres	19	19	19	20	20	20	20	20	20	20
Average price per acre	Dollars	4	4	4	6	9	12	14	14	15	15
Total price	Mil. dol	71	75	79	125	179	250	278	284	294	298

[1] Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, and land utilization projects (research and experimental areas, and other areas). [2] Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976;* and U.S. Forest Service, *Land Areas of the National Forest System,* annual; and unpublished data.

No. 1197. National Forest System—Summary: 1960 to 1984

[Through 1975, for years ending June 30, except as noted; thereafter, ending Sept. 30. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	Unit	1960	1965	1970	1975	1979	1980	1981	1982	1983	1984
Timber cut, total value	Mil. dol	157.1	161.9	308.6	368.4	973.0	736.6	728.9	348.7	655.9	762.2
Commercial and cost sales: [1]											
Volume	Mil. bd. ft	9,367	11,244	11,527	9,174	10,377	9,178	8,036	6,747	9,244	10,549
Value	Mil. dol	156.4	161.1	307.6	366.0	968.0	729.8	720.9	339.2	649.7	759.6
Free use:											
Volume	Mil. bd. ft	123	191	179	618	1,637	2,070	2,107	2,343	1,071	570
Value [2]	Mil. dol	.2	.3	.3	1.1	3.8	5.7	6.4	7.5	4.5	2.8
Misc. forest products	Mil. dol	.5	.5	.7	1.4	1.1	1.1	1.6	2.0	1.7	1.7
Livestock grazing: [3]											
Cattle and horses [4]	1,000	1,307	1,376	1,607	1,626	1,540	1,521	1,535	1,562	1,609	1,521
Sheep and goats	1,000	2,574	2,112	2,105	1,549	1,251	1,328	1,341	1,340	1,242	1,129
Roads and trails:											
Road construction [5]	Miles	851	1,613	942	136	820	925	1,217	1,867	2,016	(NA)
Trail construction [5]	Miles	142	671	278	298	[6] 1,390	[6] 2,419	[6] 727	(NA)	(NA)	(NA)
Receipts, total	Mil. dol	148.2	149.2	299.7	373.1	881.0	702.9	680.7	350.2	495.3	637.3
Timber use	Mil. dol	140.1	138.8	283.9	341.3	827.6	625.4	581.4	251.0	398.5	544.3
Grazing use	Mil. dol	4.5	3.5	4.4	7.7	12.5	15.8	14.9	12.4	10.2	9.6
Special land use, etc	Mil. dol	3.6	6.9	11.4	24.1	40.9	61.6	84.4	86.8	86.6	83.5
Payments to local gov't.[7]	Mil. dol	36.1	36.2	72.8	91.0	279.8	240.1	243.0	144.3	203.5	235.3
25-percent fund [8]	Mil. dol	35.4	35.5	71.9	89.8	277.0	233.6	230.5	132.6	192.7	224.9
Other [9]	Mil. dol	.7	.7	.9	1.2	2.8	6.5	12.5	11.7	10.8	10.4
Allotments to Forest											
Service, total [10]	Mil. dol	14.9	15.0	29.5	39.5	93.9	73.1	68.2	35.2	49.0	62.3
Roads and trails	Mil. dol	14.2	14.2	28.8	35.9	84.2	65.5	60.9	29.4	44.5	58.0
Other	Mil. dol	.7	.8	.8	3.6	9.7	7.6	7.3	5.8	4.5	4.3

NA Not available. [1] Includes land exchanges. [2] Includes some free use timber not reducible to board feet. [3] For 1960-1970, data for livestock permitted to graze; 1975 for authorized use; 1979-1984 for number actually grazed. Calendar-year data. Excludes Puerto Rico. [4] Excludes animals under 6 months of age. 1960-1970 includes swine. Includes burros beginning in 1979. [5] Includes reconstruction. Through 1965, excludes national grasslands. [6] Figures include work done by the Human Resources Programs. [7] Payments made in following year. [8] Includes Tongass Alaska suspense account. [9] Includes Arizona and New Mexico School Fund, State of Minnesota, and receipts paid to counties under Bankhead-Jones Farm Tenant Act. [10] For use in following year.

Source: U.S. Forest Service. In *Agricultural Statistics*, annual, and unpublished data.

No. 1198. Forest Land—Total and Commercial Area, Volume of Sawtimber, and Growing Stock: 1952 to 1977

[As of Jan. 1. For composition of regions, see table 1199]

YEAR AND REGION	Total forest land (mil. acres)	Commercial timberland, ownership [1]: All ownerships (mil. acres)	Federally owned or managed [2] (mil. acres)	State, county, and municipal (mil. acres)	Private: Total (mil. acres)	Private: Percent of total	Net volume of sawtimber [3]: Total (bil. bd. ft.)	Softwood (bil. bd. ft.)	Hardwood (bil. bd. ft.)	Growing stock, net (bil. cu. ft.)
United States, 1952	664	499	117	27	356	71.3	2,512	2,066	446	603
North	209	169	13	18	137	81.1	249	59	190	111
South	197	192	14	3	175	91.1	409	197	213	198
West	258	138	89	6	43	31.2	1,854	1,811	44	358
United States, 1962	759	509	117	27	366	71.9	2,516	2,033	484	648
North	178	171	12	18	140	81.9	282	70	212	137
South	220	200	14	3	183	91.5	465	246	219	156
West	360	139	90	6	42	30.2	1,769	1,717	52	354
United States, 1970	754	496	112	30	355	71.6	2,538	2,002	537	680
North	186	169	12	18	138	81.7	320	83	237	156
South	212	193	14	3	175	90.7	535	296	239	177
West	355	135	85	8	42	31.1	1,684	1,623	61	348
United States, 1977	737	482	105	30	347	72.0	2,579	1,985	594	711
North	178	166	12	19	136	81.9	359	97	263	173
South	207	188	14	3	170	90.4	615	341	274	202
West	352	128	79	8	41	32.0	1,605	1,548	57	336

[1] See footnote 1, table 1199. [2] Includes Indian land. [3] See footnote 3, table 1199.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952-2030*, Appendix 3.

No. 1199. Forest Land Area, Commercial Area Ownership, and Volume of Sawtimber and Growing Stock, by State: 1977 (Jan. 1)

STATE	Total forest land (1,000 acres)	COMMERCIAL TIMBERLAND, OWNERSHIP [1] (1,000 acres)				SAWTIMBER NET VOLUME [3]		GROWING STOCK, NET VOLUME [4]	
		Total	Federally owned or managed [2]	State, county, municipal	Private	Total (mil. bd. ft.)	Softwood (mil bd. ft.)	Total (mil. cu. ft.)	Softwood (mil. cu. ft.)
U.S	**736,558**	**482,486**	**105,472**	**30,249**	**346,764**	**2,578,940**	**1,985,408**	**710,968**	**455,779**
North	**177,662**	**166,141**	**11,964**	**18,549**	**135,628**	**359,021**	**96,504**	**173,145**	**44,574**
New Eng.	**32,461**	**30,985**	**770**	**1,317**	**28,898**	**75,507**	**43,800**	**41,848**	**23,383**
CT	1,861	1,806	2	144	1,659	5,870	1,305	2,662	425
ME	17,718	16,864	73	468	16,323	36,118	25,232	22,604	16,060
MA	2,952	2,798	10	356	2,432	7,868	4,168	3,893	1,439
NH	5,014	4,692	472	108	4,112	14,564	8,607	7,286	3,526
RI	404	395	-	32	363	697	289	412	108
VT	4,512	4,430	213	209	4,008	10,391	4,199	4,990	1,826
Mid. Atl	**50,686**	**46,415**	**1,505**	**4,554**	**40,355**	**101,959**	**17,094**	**56,461**	**7,606**
DE	392	384	1	13	370	1,393	408	625	169
MD	2,653	2,523	25	218	2,280	8,167	1,726	3,492	793
NJ	1,928	1,857	28	291	1,538	3,127	575	1,534	251
NY	17,218	14,243	58	835	13,351	26,088	7,771	13,256	3,523
PA	16,826	15,924	503	2,968	12,453	34,251	3,714	23,403	1,778
WV	11,669	11,484	892	229	10,363	28,934	2,901	14,153	1,092
Lake	**51,644**	**47,579**	**6,750**	**11,886**	**28,944**	**97,766**	**30,984**	**44,517**	**11,901**
MI	19,270	18,778	2,472	3,947	12,359	42,441	13,205	19,214	5,061
MN	16,709	13,695	2,336	4,992	6,367	24,607	8,531	11,454	3,477
ND	422	405	114	10	281	474	-	257	(z)
SD (east)	335	223	74	3	146	448	66	134	23
WI	14,908	14,478	1,753	2,934	9,792	29,797	9,183	13,457	3,340
Central	**42,872**	**41,163**	**2,940**	**792**	**37,431**	**83,788**	**4,625**	**30,319**	**1,684**
IL	3,810	3,692	269	11	3,413	7,094	30	2,180	24
IN	3,943	3,815	239	171	3,405	10,967	255	3,758	87
IA	1,561	1,460	57	56	1,348	3,419	14	1,038	6
KS	1,344	1,187	27	10	1,151	2,020	1	584	1
KY	12,161	11,902	819	77	11,007	28,941	2,091	11,968	916
MO	12,876	12,289	1,313	219	10,757	15,270	1,292	6,022	392
NE	1,029	789	67	12	710	1,737	510	442	119
OH	6,147	6,029	150	237	5,642	14,341	433	4,328	139
South	**206,875**	**188,046**	**14,485**	**3,245**	**170,315**	**614,709**	**341,023**	**202,009**	**97,136**
So. Atl	**48,710**	**47,677**	**3,897**	**883**	**42,897**	**171,401**	**74,317**	**59,988**	**23,333**
NC	20,043	19,562	1,365	398	17,799	76,794	35,375	26,131	10,742
SC	12,249	12,176	862	233	11,081	40,837	22,809	14,201	7,079
VA	16,417	15,939	1,670	252	14,017	53,771	16,134	19,657	5,512
E. Gulf	**42,296**	**40,142**	**3,040**	**620**	**36,482**	**112,478**	**74,078**	**40,134**	**24,405**
FL	17,040	15,330	1,623	492	13,215	31,950	21,129	11,733	7,525
GA	25,256	24,812	1,417	128	23,268	80,529	52,949	28,402	16,880
Ctr. Gulf	**51,237**	**50,657**	**2,935**	**1,016**	**46,707**	**162,351**	**87,903**	**51,977**	**23,555**
AL	21,361	21,333	800	209	20,324	69,396	46,509	22,240	12,339
MI	16,716	16,504	1,216	461	14,828	60,642	35,370	17,234	8,929
TN	13,161	12,820	919	346	11,555	32,313	6,024	12,504	2,287
W. Gulf	**64,632**	**49,569**	**4,614**	**726**	**44,229**	**168,478**	**104,724**	**49,910**	**25,843**
AR	18,282	18,207	2,718	256	15,233	48,969	26,462	17,145	7,060
LA	14,558	14,527	694	309	13,525	63,418	38,648	17,431	9,417
OK	8,513	4,323	463	105	3,755	6,067	3,576	2,082	1,010
TX	23,279	12,513	740	56	11,717	50,025	36,039	13,272	8,356
West	**352,021**	**128,299**	**79,023**	**8,455**	**40,821**	**1,605,211**	**1,547,882**	**335,814**	**314,069**
Pac. NW	**172,136**	**53,283**	**29,552**	**5,630**	**18,101**	**950,326**	**911,892**	**186,130**	**173,155**
AK	119,145	11,150	8,423	2,438	289	188,858	184,406	43,073	40,620
OR	29,810	24,211	14,201	926	9,084	431,172	414,186	79,554	74,735
WA	23,181	17,922	6,928	2,266	8,728	330,296	313,300	63,503	57,800
Pac. SW	**42,138**	**17,251**	**8,581**	**548**	**8,122**	**264,716**	**255,611**	**49,870**	**45,979**
CA	40,152	16,303	8,569	106	7,628	263,669	255,594	49,668	45,975
HI	1,986	948	12	442	494	1,047	17	202	4
No. Rocky Mt	**55,682**	**33,478**	**23,227**	**1,595**	**8,657**	**269,646**	**267,567**	**68,699**	**67,942**
ID	21,727	13,541	9,640	880	3,021	139,618	139,050	31,884	31,662
MT	22,559	14,359	9,260	534	4,565	97,334	96,238	27,977	27,691
SD (west)	1,367	1,244	958	70	215	5,615	5,597	1,643	1,627
WY	10,028	4,334	3,369	111	855	27,079	26,683	7,195	6,963
So. Rocky Mt	**82,065**	**24,287**	**17,663**	**682**	**5,941**	**120,524**	**112,812**	**31,116**	**26,993**
AZ	18,494	3,896	3,696	34	166	22,711	22,063	4,982	4,763
CO	22,271	11,315	7,962	234	3,118	54,941	50,684	15,036	12,624
NV	7,683	134	61	5	69	1,388	1,363	262	249
NM	18,060	5,538	3,439	171	1,927	25,919	24,346	6,395	5,796
UT	15,557	3,405	2,505	239	661	15,565	14,357	4,440	3,562

- Represents zero. Z Less than 500,000 cubic feet. [1] Commercial timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as commercial timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. [2] Includes Indian lands. [3] Net volume of the saw log portion of live sawtimber trees in board feet, International ¼-inch log rule. [4] Net volume in cubic feet of live sawtimber and poletimber trees from stump to a minimum 4-inch top (of central stem) outside bark or to the point where the central stem breaks into limbs.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952–2030*, Appendix 3.

No. 1200. National Forest Lands—States and Other Areas: 1984

[In thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

STATE	Gross area within unit boundaries [1]	National forest system lands	Other lands within unit boundaries
Total	**229,960**	**190,748**	**39,212**
AL	1,274	646	628
AK	24,018	22,939	1,080
AZ	11,934	11,269	664
AR	3,502	2,480	1,022
CA	24,287	20,457	3,830
CO	16,023	14,430	1,593
CT	(z)	(z)	-
FL	1,225	1,099	126
GA	1,911	872	1,039
HI	(z)	(z)	-
ID	21,703	20,433	1,270
IL	840	262	578
IN	645	189	457
KS	117	108	9
KY	2,102	674	1,428
LA	1,023	598	425
ME	94	51	42
MI	4,873	2,764	2,109
MN	5,467	2,804	2,663
MS	2,310	1,149	1,161
MO	3,082	1,469	1,612
MT	19,089	16,797	2,293
NE	442	352	90
NV	5,424	5,150	274
NH	819	706	114
NM	10,384	9,325	1,059
NY	13	13	-
NC	3,165	1,216	1,949
ND	1,106	1,106	(z)
OH	833	178	655
OK	461	295	166
OR	17,434	15,598	1,836
PA	743	511	232
SC	1,382	611	771
SD	2,348	1,997	350
TN	1,212	626	587
TX	1,994	783	1,212
UT	9,129	8,045	1,084
VT	630	295	334
VA	3,226	1,634	1,592
WA	10,041	9,056	984
WV	1,861	975	887
WI	2,023	1,504	519
WY	9,717	9,254	463
PR	56	28	28
VI	(z)	(z)	-

- Represents zero. Z Less than 500 acres. [1] See footnote 1, table 1196.

Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

No. 1201. Wildfires—Summary: 1965 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series L 44-55]

ITEM	1965	1970	1975	1978	1979	1980	1981	1982	1983
ACREAGE (1,000)									
Protected area: Federal [1 2]	655,001	647,239	677,949	680,185	680,223	680,261	685,552	682,962	682,216
Area burned [1]	146	719	408	202	1,237	751	946	332	1,017
State and private [3 4]	472,023	520,501	726,356	773,772	783,609	805,927	840,163	843,804	851,463
Area burned	1,206	1,541	1,119	1,553	1,317	2,348	3,235	1,100	944
Unprotected area: Federal	55	65,537	54,232	54,232	54,232	54,232	54,232	54,232	54,232
State and private	30,294	45,751	70,848	93,972	89,518	115,204	103,307	96,431	200,733
Area burned	1,300	1,019	(NA)	2,156	433	2,162	634	950	3,120
REPORTED FIRES (1,000)									
Total	113.7	121.7	134.9	218.8	163.2	234.9	249.4	174.8	161.6
Federal area [5]	9.1	15.0	12.3	14.1	13.9	14.6	15.4	10.7	10.4
State and private	104.6	106.8	122.6	204.8	149.3	220.3	234.0	164.1	151.2
Protected	91.5	101.5	91.0	130.8	104.4	141.0	173.8	91.0	84.7
Unprotected	13.1	5.3	31.6	74.0	44.9	79.2	60.2	73.1	66.5
Cause of fires on protected areas: [5]									
Total [4]	100.6	116.4	103.3	144.9	118.3	[6] 155.7	[6] 189.2	101.7	95.2
Incendiary (arson)	26.9	30.9	28.2	46.2	32.5	45.2	57.7	31.0	26.1
Debris burning	22.9	28.3	18.2	31.5	26.5	35.5	45.4	25.4	22.7
Smoking	16.5	14.5	10.5	13.2	10.2	12.6	19.7	7.1	6.7
Lightning	8.7	12.8	9.4	10.8	9.7	11.3	12.4	7.7	8.2
Caused by children	(NA)	7.7	10.8	11.6	11.2	11.8	12.9	6.5	7.0
Railroads	([7])	6.8	5.2	6.9	5.5	7.2	6.7	3.2	3.2
Equipment use	(NA)	3.4	4.6	7.1	7.2	9.2	9.2	6.1	5.9
Campfires	3.4	3.8	4.0	4.3	3.8	4.2	4.4	3.2	2.7
Miscellaneous	22.1	8.1	12.4	13.3	11.7	16.7	19.0	11.4	12.6
FIRE PROTECTION EXPENDITURES [3 8] (mil. dol.)									
Total funds	76.6	113.5	169.0	212.0	216.2	(NA)	(NA)	(NA)	(NA)
Federal	12.8	16.4	25.2	30.0	30.6	22.7	19.9	11.7	11.5
State and county	62.6	95.3	143.9	182.0	185.6	[9] 220.7	[9] 251.8	[9] 243.2	[9] 233.3
Private	1.2	1.8							

NA Not available. [1] Comprises land administered by U.S. Dept. of Agriculture, U.S. Dept. of Interior, and Tennessee Valley Authority, etc. [2] Includes nonforest watershed areas under U.S. Dept. of Interior protection. [3] Beginning 1975, includes Guam. [4] Includes nonforest watershed areas. [5] For protected areas only. [6] Includes 2,029 fires in 1980, 1,680 in 1981 in Puerto Rico not reported by cause. [7] Included in various other classifications. [8] For fire protection on State, county, and private lands only; years ending June 30, through 1975; thereafter, ending Sept. 30. [9] State funds only.

Source: U.S. Forest Service, *Wildfire Statistics*, annual; and unpublished data.

No. 1202. Timber-Based Industries—Employment and Average Hourly Earnings: 1970 to 1984

[Data for production or nonsupervisory workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
	1970	1975	1980	1982	1983	1984	1970	1975	1980	1982	1983	1984
Lumber and wood products [1]	554	517	578	488	547	592	2.96	4.26	6.55	7.43	7.80	8.03
Logging camps and contractors	(NA)	59	71	57	65	70	(NA)	5.28	8.64	9.79	10.17	10.69
Sawmills and planing mills	196	180	190	155	171	180	2.84	4.34	6.70	7.73	8.20	8.42
Millwork, plywood, and structural members	(NA)	137	164	142	165	184	(NA)	4.26	6.41	7.33	7.64	7.80
Paper and allied products	543	480	523	494	495	512	3.44	5.01	7.84	9.32	9.93	10.41
Furniture and fixtures	362	337	376	341	356	391	2.77	3.78	5.49	6.31	6.62	6.85

NA Not available. [1] Excludes furniture.

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

No. 1203. Timber Products—Production, Foreign Trade, and Consumption, by Type of Product: 1960 to 1983

[**In millions of cubic feet, roundwood equivalent.** See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

ITEM	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
Industrial roundwood:										
Domestic production [1]	8,920	11,105	10,570	12,185	12,575	12,955	12,090	10,915	10,825	12,395
Softwoods	6,930	8,635	8,380	9,655	9,850	10,135	9,280	8,485	8,410	9,660
Hardwoods	1,995	2,470	2,195	2,535	2,720	2,815	2,810	2,430	2,410	2,735
Imports	1,680	2,430	2,215	3,310	3,755	3,655	3,250	3,165	3,015	3,705
Exports	455	1,540	1,685	1,795	1,845	2,135	2,350	2,090	1,995	2,105
Consumption [2]	10,145	11,995	11,105	13,700	14,485	14,470	12,995	11,985	11,840	13,995
Softwoods	8,065	9,425	8,875	11,060	11,660	11,605	10,335	9,655	9,540	11,360
Hardwoods	2,080	2,565	2,230	2,640	2,825	2,865	2,660	2,335	2,300	2,635
Lumber:										
Domestic production	[3] 5,080	5,215	4,890	5,950	6,155	6,115	5,300	4,610	4,635	5,730
Imports	610	955	930	1,675	1,910	1,800	1,540	1,490	1,460	1,915
Exports	135	195	255	260	275	340	395	380	320	360
Consumption	5,560	5,970	5,565	7,365	7,790	7,580	6,450	5,720	5,780	7,285
Plywood and veneer:										
Domestic production	705	1,020	1,165	1,425	1,460	1,370	1,175	1,180	1,135	1,365
Imports	60	170	170	210	230	195	120	140	115	160
Exports	(z)	15	70	35	40	45	45	70	50	65
Consumption	765	1,170	1,265	1,600	1,650	1,520	1,245	1,250	1,200	1,465
Pulp products:										
Domestic production	2,575	3,835	3,485	3,645	3,745	4,110	4,390	4,125	3,980	4,180
Imports	985	1,280	1,105	1,395	1,595	1,635	1,565	1,515	1,415	1,600
Exports	275	720	715	725	720	805	1,070	995	900	965
Consumption	3,290	4,400	3,875	4,320	4,625	4,935	4,885	4,645	4,495	4,815
Logs:										
Imports	20	25	15	30	20	25	25	20	20	30
Exports	45	465	455	525	585	670	560	425	550	565
Pulpwood chips, exports	–	145	195	250	225	280	275	220	175	155
Other industrial prod.[4] consumption	510	425	385	385	400	410	390	350	345	400
Fuelwood consumption	**1,300**	**540**	**570**	**1,030**	**1,570**	**2,270**	**3,115**	**3,650**	**3,685**	**4,120**

– Represents zero. Z Less than 500,000 cubic feet. [1] Includes log exports. [2] Includes log imports. [3] Excludes Alaska and Hawaii. [4] Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

No. 1204. Timber Products—Per Capita Consumption: 1960 to 1983

[Based on total population estimated as of **July 1**. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983, prel.
All products	**Cu. ft**	**63.3**	**61.1**	**54.1**	**66.9**	**72.1**	**74.4**	**70.8**	**68.0**	**66.8**	**77.2**
Industrial roundwood	Cu. ft	56.1	58.5	51.4	62.2	65.1	64.3	57.1	52.1	51.0	59.7
Lumber	Cu. ft	30.8	29.1	25.8	33.4	35.0	33.7	28.3	24.9	24.9	31.1
Plywood and veneer	Cu. ft	4.2	5.7	5.9	7.3	7.4	6.8	5.5	5.4	5.2	6.2
Pulp products	Cu. ft	18.2	21.4	17.9	19.6	20.8	21.9	21.4	20.2	19.3	20.5
Other products	Cu. ft	2.8	2.1	1.8	1.7	1.8	1.8	1.7	1.5	1.5	1.7
Fuelwood	Cu. ft	7.2	2.6	2.6	4.7	7.1	10.1	13.7	15.9	15.9	17.6
Lumber	Bd. ft	199	193	171	220	229	222	188	164	161	200
Plywood and veneer	Bd. ft	25	34	32	39	40	37	30	29	28	34
Pulp products	Cords (128 cu. ft.)	.2	.3	.2	.2	.3	.3	.3	.3	.2	.3

Source of tables 1203 and 1204: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-84*, annual.

No. 1205. Selected Timber Products—Producer Price Indexes: 1970 to 1984

[See also *Historical Statistics, Colonial Times to 1970*, series L 206-210]

INDEX AND PRODUCT	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
1967 = 100												
Softwood lumber [1]	113	211	201	248	297	346	380	345	343	322	370	354
Douglas fir	109	214	212	251	291	340	384	353	312	266	362	328
Southern pine	115	185	175	217	263	305	324	297	292	286	320	320
Hardwood lumber [1]	115	190	160	176	200	236	260	252	255	262	284	320
Plywood [2]	108	161	161	187	212	236	251	247	246	232	244	242
Softwood	114	187	201	248	296	326	323	309	307	282	310	304
Hardwood	103	130	120	123	128	140	169	177	180	181	180	180
Insulation board	111	134	144	161	178	203	199	208	242	251	263	270
Woodpulp	110	218	283	286	281	267	315	380	397	379	347	397
Paper	111	149	173	182	194	206	230	257	280	286	282	303
Paperboard	101	152	170	176	176	180	202	235	258	255	251	282
Containerboard	99	146	172	176	172	173	198	231	253	246	(NA)	(NA)
Hardboard and particleboard	93	115	114	124	141	170	166	191	213	220	229	236
Dec. 1980 = 100												
Hardwood lumber:												
Oak, red, #1, common	43	80	60	73	91	113	120	103	(NA)	115	143	167
Gum #2, common	50	86	63	69	84	111	117	108	(NA)	(NA)	105	122
Poplar #1, common	62	102	71	77	81	97	102	99	104	(NA)	(NA)	104
Softwood, ponderosa pine, #3 boards	23	49	42	54	68	77	93	84	88	73	75	81

NA Not available. [1] Includes lumber listed below and other softwoods or hardwoods. [2] Includes softwood plywood veneer.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, annual.

No. 1206. Selected Species—Stumpage and Log Prices In Current and Constant (1967) Dollars: 1960 to 1984

[**In dollars per 1,000 board feet.** Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199-205]

SPECIES	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
CURRENT DOLLARS											
Softwoods:											
Douglas-fir [1]	32.00	41.90	169.50	225.90	250.30	394.40	432.20	350.20	118.20	161.60	132.90
Southern pine [2]	34.50	44.10	57.00	100.30	134.50	155.20	155.40	172.00	127.20	140.60	139.40
Sugar pine [3]	29.00	38.50	99.20	169.60	159.60	365.00	666.60	225.20	71.90	137.70	84.30
Ponderosa pine [4]	19.10	32.10	71.20	131.40	164.70	239.00	206.10	195.20	66.90	104.00	122.70
Western hemlock [5]	10.50	20.50	68.80	89.30	113.60	200.80	212.70	163.40	44.50	62.20	61.80
Hardwoods: [6]											
All eastern hardwoods	22.80	26.90	33.90	37.90	41.10	46.80	52.40	50.90	56.40	60.10	90.10
Oak, white, red, and black	23.40	26.60	29.70	60.00	59.20	68.80	65.60	63.20	70.80	87.90	145.00
Maple	35.00	34.40	39.60	42.10	57.40	33.90	37.40	41.50	34.30	25.00	48.60
Douglas-fir log prices: [7]											
Saw logs [8]	58.40	89.30	168.70	242.80	284.60	382.20	379.80	331.40	308.80	277.30	288.60
Peeler logs [9]	100.10	136.60	274.40	322.20	446.40	571.30	584.40	563.90	460.90	427.50	414.00
CONSTANT (1967) DOLLARS [10]											
Softwoods:											
Douglas-fir [1]	33.70	38.00	96.90	116.30	119.60	167.40	160.80	119.40	39.50	53.30	42.80
Southern pine [2]	36.40	39.90	32.60	51.60	64.30	65.90	57.80	58.60	42.50	46.40	44.90
Sugar pine [3]	30.60	34.90	56.70	87.30	76.30	154.90	248.00	76.80	24.00	45.40	27.20
Ponderosa pine [4]	20.10	29.10	40.70	67.70	78.70	101.40	76.70	66.50	22.40	34.30	39.50
Western hemlock [5]	11.10	18.60	39.30	46.00	54.30	85.20	79.10	55.70	14.90	20.50	19.90
Hardwoods: [6]											
All eastern hardwoods	24.00	24.40	19.40	19.50	19.60	19.90	19.50	17.30	18.80	19.80	29.00
Oak, white, red, and black	24.70	24.10	17.00	30.90	28.30	29.20	24.40	21.50	23.70	29.00	46.70
Maple	36.90	31.20	22.60	21.70	27.40	14.40	13.90	14.10	11.50	8.20	15.70
Douglas-fir log prices: [7]											
Saw logs [8]	61.50	80.90	96.50	125.00	136.00	162.20	141.30	113.00	103.20	91.50	93.00
Peeler logs [9]	105.50	123.70	156.90	165.90	213.30	242.50	217.40	192.20	154.00	141.00	133.40

[1] Western Washington and western Oregon. [2] Southern region. [3] Pacific Southwest region (formerly California region). [4] Pacific Southwest region (formerly California region). Includes Jeffrey pine. [5] Pacific Northwest region. [6] Eastern and Southern regions. [7] (Scribner log scale.) Prices are for western Washington and northwest Oregon and represent average transactions which may take place at a variety of points in the distribution process, e.g., at a river dump, reloading or truck scaling station, or on delivery to a mill. [8] Includes mixed grades, ungraded, and, beginning 1974 grade 4 logs. [9] Includes special fir peeler or special mill grade. [10] Deflated by the producer price index, all commodities.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-84*, annual.

No. 1207. Lumber Production and Consumption, by Kind of Wood: 1960 to 1983

[In millions of board feet, except as indicated. 1960 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98-112 and L 122-137]

ITEM	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Total production	**32,926**	**34,668**	**32,619**	**36,997**	**39,362**	**40,498**	**40,569**	**35,354**	**31,672**	**30,010**	**36,871**
Softwoods [1]	26,672	27,530	26,747	30,571	32,661	33,467	33,255	28,239	25,420	24,949	31,415
Cedar	(s)	633	821	934	967	929	837	722	757	470	721
Douglas fir	8,832	7,727	7,329	8,207	8,543	8,601	8,425	6,853	5,868	4,842	6,558
Hemlock	2,032	1,980	2,020	2,454	2,439	2,728	2,505	1,855	1,501	1,284	1,604
Ponderosa pine	3,169	3,429	3,544	4,032	4,167	4,175	3,966	3,269	2,894	2,350	2,899
Redwood	1,000	1,078	1,054	1,128	1,148	917	896	770	730	760	960
Southern yellow pine	5,660	7,063	6,967	7,893	8,879	9,231	9,283	8,217	8,415	8,754	10,406
White fir	2,224	2,063	2,012	2,104	2,184	2,099	2,140	1,643	1,253	974	1,276
White pine	675	898	947	1,060	1,080	1,154	(s)	(s)	502	272	293
Hardwoods [1]	6,254	7,138	5,872	6,427	6,701	7,031	7,314	7,115	6,252	5,061	5,456
Ash	125	159	124	137	144	160	(s)	(s)	130	122	139
Beech	195	188	136	140	137	146	193	183	95	88	89
Cottonwood	206	229	253	309	355	372	374	303	155	105	137
Elm	195	155	117	131	149	151	151	149	77	57	61
Maple	602	742	531	569	563	561	[2] 217	[2] 225	426	367	422
Oak	2,789	3,250	2,724	2,996	3,103	3,220	3,461	3,356	1,922	1,855	2,000
Sweet gum [3]	331	376	245	286	377	412	401	371	231	193	181
Tupelo and black gum	292	335	251	277	252	267	(s)	(s)	79	64	74
Yellow poplar	592	606	555	596	605	645	673	661	409	399	421
Domestic consumption [4]	**35,225**	**38,073**	**36,100**	**42,527**	**47,699**	**49,637**	**47,547**	**40,104**	**37,919**	**36,273**	**45,138**
Percent net imports [5]	8.7	12.7	12.0	14.9	19.0	21.1	19.7	18.5	18.9	20.2	22.2
Softwoods	28,974	31,585	30,309	36,086	40,809	42,640	40,608	33,832	32,064	31,173	39,742
Per capita (bd. ft.) [6]	164	155	141	166	186	192	181	149	140	134	170
Mill stocks, yearend	5,285	4,340	4,063	4,214	4,109	4,032	4,230	4,228	4,167	4,270	4,605
Exports	688	1,152	1,373	1,585	1,412	1,369	1,745	1,956	1,878	1,630	1,745
Imports	3,631	5,769	5,711	7,951	10,380	11,825	11,118	9,540	9,205	9,119	11,977
Hardwoods	6,252	6,488	5,791	6,441	6,890	6,997	6,939	6,272	5,855	5,098	5,397
Per capita (bd. ft.) [6]	35	32	27	30	31	32	31	28	26	22	23
Mill stocks, yearend	2,067	1,144	875	877	773	800	1,163	1,765	1,926	1,737	1,542
Exports	173	138	165	226	226	320	307	379	406	356	478
Imports	291	347	224	228	341	361	376	293	291	211	261

S Figure does not meet publication standards. [1] Includes types not shown separately. [2] Excludes hard maple. [3] Red and sap. [4] Source: Through 1970, Copeland Economics Group, Inc., Stamford, CT; thereafter, National Forest Products Association, Washington, DC. *The Economics Monthly Bulletin*, quarterly edition (copyright). [5] Imports minus exports. [6] Based on resident population estimated as of July 1.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1208. Lumber Production, by Geographic Division: 1970 to 1983

[In billion board feet. Data based in part on a sample of sawmills and are subject to sampling variability; see source. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

REGION AND DIVISION	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
United States	**34.7**	**37.7**	**38.6**	**34.6**	**32.6**	[1] **37.0**	[1] **39.4**	[1] **40.5**	[1] **40.6**	[1] **35.4**	[1] **31.7**	**30.0**	**36.9**
North [2]	4.4	4.4	4.6	4.4	4.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	4.3
Hardwood	3.4	3.3	3.5	3.3	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0
Softwood	1.0	1.1	1.1	1.1	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3
South [2]	10.8	11.3	11.4	10.4	9.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	12.5
Hardwood	3.6	3.3	3.4	3.4	2.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	2.1
Softwood	7.2	8.0	8.0	7.0	7.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.8	10.4
West [2]	19.4	22.0	22.6	19.7	18.8	21.1	21.8	21.7	21.1	17.2	(NA)	15.4	20.1
Hardwood	.1	.1	.2	.2	.3	.1	.2	.2	.2	.3	(NA)	.3	.4
Softwood	19.3	21.9	22.4	19.5	18.6	20.9	21.6	21.4	20.9	16.9	(NA)	15.1	19.7
New England	.7	.8	.8	.8	.8	.9	.9	1.0	1.0	1.1	.7	1.0	1.2
Middle Atlantic	.8	.8	.8	.9	.7	.8	.9	.9	.9	.9	.5	.8	.8
East North Central	1.2	1.2	1.3	1.2	1.1	1.2	1.3	1.4	1.4	1.3	1.0	1.1	1.2
West North Central	.6	.5	.6	.6	.5	.6	.6	.7	.6	.6	.2	.3	.4
South Atlantic	5.2	5.4	5.5	5.1	4.7	5.2	5.3	5.4	5.8	5.2	4.4	5.4	6.3
East South Central	3.4	3.6	3.6	3.4	3.0	3.3	3.6	3.7	3.6	3.2	2.8	3.2	3.8
West South Central	3.2	3.4	3.3	2.9	3.0	3.1	3.5	3.6	3.2	2.9	2.3	2.8	3.2
Mountain	4.2	4.5	4.6	3.9	3.9	4.6	4.7	4.7	4.5	3.8	3.3	3.3	4.4
Pacific	15.3	17.6	18.0	15.8	14.8	16.6	17.1	17.0	16.6	13.4	11.2	12.2	15.7

NA Not available. [1] Includes amounts not specified by division. [2] Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-84*, annual. Regions are as defined by the Forest Service, see table 1199.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1209. Wood Products—Production: 1960 to 1984

ITEM	Unit	1960	1970	1975	1978	1979	1980	1981	1982	1983 [1]	1984,[1] prel.
Hardwood flooring	Mil. bd. ft	915	333	155	385	360	292	315	275	365	400
Softwood plywood	Bil. sq. ft., 3/8" basis	7.8	14.1	15.7	19.5	18.2	15.5	15.6	14.1	18.0	18.4
Insulation boards	1,000 short tons	1,098	1,219	1,249	1,425	1,351	1,051	845	729	900	830
Hardboard	1,000 short tons	686	1,463	1,784	2,416	2,291	1,970	1,858	1,465	1,900	1,750
Particleboard	Mil. sq. ft., 3/4" basis	268	1,764	2,503	3,866	3,536	3,029	2,930	2,470	3,010	3,100

[1] Estimated by the International Trade Administration.

Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983); and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

No. 1210. Paper and Paperboard—Production and Consumption: 1970 to 1984

[**In millions of short tons.** See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178–191]

ITEM	PRODUCTION						CONSUMPTION [1]					
	1970	1975	1980	1982	1983	1984	1970	1975	1980	1982	1983	1984
Total paper and paperboard	**51.7**	**51.1**	**63.7**	**61.2**	**66.9**	**70.6**	**56.0**	**54.3**	**67.3**	**64.9**	**71.4**	**77.3**
Paper: Newsprint	3.5	3.7	4.7	5.0	5.2	5.5	9.8	9.0	11.8	11.3	11.8	13.1
Coated printing, converting	3.3	3.2	4.7	5.0	5.7	6.2	3.2	3.1	4.7	5.0	5.8	6.6
Uncoated free sheet	5.1	5.4	8.0	7.9	8.8	9.2	5.1	5.3	8.1	8.0	8.9	9.6
Other printing, writing, etc	2.6	2.5	2.9	2.8	2.9	3.0	2.7	2.6	3.2	3.2	3.6	4.1
Packaging and industrial converting	5.2	4.7	5.6	5.3	5.5	5.6	5.1	4.4	5.3	5.1	5.5	5.4
Tissue and other machine creped	3.7	4.0	4.4	4.4	4.8	4.9	3.7	3.9	4.3	4.4	4.8	4.9
Paperboard: Unbleached kraft	11.5	11.5	15.3	14.5	16.1	17.2	9.9	10.5	13.0	12.6	13.9	15.1
Bleached kraft	3.3	3.3	3.9	3.7	3.9	4.0	3.2	3.1	3.3	3.1	3.4	3.5
Semichemical	3.5	3.7	4.7	4.4	4.7	5.2	3.4	3.6	4.4	4.3	4.6	5.2
Recycled finish	7.0	6.2	7.1	6.5	7.4	7.6	7.0	6.2	7.0	6.5	7.4	7.5
Construction paper and board [2]	**3.0**	**3.0**	**2.6**	**1.7**	**1.9**	**2.1**	**3.0**	**3.0**	**3.0**	**2.0**	**2.3**	**2.5**

[1] Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by grade. [2] Source: U.S. Bureau of the Census, *Current Industrial Reports*, through 1980. Includes wet machine board, approximately 100,000–160,000 tons per year; 1982–1984 data estimated by A.P.I.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual.

No. 1211. Newsprint—Production, Stocks, Consumption, Imports, and Price: 1960 to 1984

[**In thousands of metric tons, except price and imports (imports shown in short tons).** See also *Historical Statistics, Colonial Times to 1970*, series L 192–198]

COUNTRY AND ITEM	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Canada: Production	6,114	7,808	6,966	8,154	8,841	8,756	8,625	8,950	8,109	8,486	9,016
Shipments from mills	6,125	7,795	7,010	8,169	8,913	8,780	8,622	8,913	8,054	8,440	9,034
Stocks at mills, end of year	127	214	86	256	184	162	165	202	256	303	285
United States:											
Estimated consumption [1]	6,634	8,805	8,395	9,279	9,877	10,199	10,088	10,164	10,107	10,587	11,441
Production	1,849	3,142	3,348	3,512	3,418	3,685	4,239	4,752	4,574	4,687	5,025
Shipments from mills	1,842	3,136	3,347	3,507	3,429	3,689	4,234	4,735	4,526	4,674	5,065
Stocks, end of year: At mills	24	30	19	31	20	16	21	38	86	99	60
At and in transit to publishers	570	680	666	722	660	628	732	961	854	790	874
Imports [2]	5,412	6,635	5,847	6,559	7,484	7,223	7,279	6,977	6,531	6,919	7,894
Producer price index (1967=100)	96.1	107.6	184.0	215.5	226.3	250.2	[3] 279.3	[3] 308.0	315.8	303.0	324.0

[1] By all newspapers. Based on American Paper Institute data. [2] Source: Reports of U.S. Bureau of the Census. Includes Puerto Rico and beginning 1981, Virgin Islands. [3] Average for 11 months.

Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Paper Institute, Inc., New York, NY, and Canadian Pulp & Paper Association.

No. 1212. Wastepaper Utilization and Recovery Rates: 1960 to 1984

[**In millions of short tons, except percent.** Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Paper and board, production [1]	33.9	51.7	51.1	60.2	62.2	64.5	63.7	64.4	61.2	66.9	70.6
Wastepaper consumption	[2] 9.0	11.8	11.7	14.1	14.8	15.4	14.9	15.0	14.4	15.6	16.9
Wastepaper utilization rate (percent)	26.5	22.8	23.0	23.3	23.7	23.8	23.4	23.3	23.6	23.3	23.9
Other wastepaper uses [3]	.20	.42	.54	.87	.50	.51	.47	.49	.49	.48	.48
Wastepaper exports	.15	.41	.86	1.51	1.60	2.23	2.66	2.21	2.13	2.57	3.24
Total wastepaper recovered	9.3	12.6	13.1	16.3	16.8	18.0	18.0	17.7	17.0	18.6	20.6
Paper and board, new supply [4]	38.5	56.0	54.3	64.4	68.0	70.0	67.3	68.1	64.9	71.4	77.3
Recovery rate (percent)	24.2	22.4	24.1	25.4	24.7	25.8	26.7	25.9	26.1	26.1	26.6

[1] Excludes hard pressed board; includes construction paper and board, and wet machine board. [2] Source: U.S. Bureau of the Census, Report FT 446. [3] Estimated. [4] Excludes production of hard pressed board.

Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual, and unpublished data.

No. 1213. Selected Wood Products—Production and Consumptions: 1970 to 1984

[See also *Historical Statistics of the United States, Colonial Times to 1970*, series L151–170]

Item	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
PULPWOOD											
Production, total	Mil. standard cords [1]	**70.5**	**69.0**	**79.8**	**80.1**	**86.2**	**88.6**	**85.3**	**81.7**	[2] **87.9**	(NA)
Softwood	Mil. standard cords [1]	53.4	52.4	60.2	58.9	63.3	65.2	62.1	59.3	[2] 62.2	(NA)
Hardwood	Mil. standard cords [1]	17.1	16.6	19.6	21.2	22.9	23.4	23.2	22.4	[2] 25.7	(NA)
Consumption, total [3]	Mil. standard cords [1]	**67.6**	**65.4**	**73.9**	**74.2**	**77.6**	**79.7**	**79.4**	**77.6**	[2] **82.4**	(NA)
Softwood	Mil. standard cords [1]	51.3	48.9	55.7	54.9	57.9	58.8	58.5	56.5	[2] 59.1	(NA)
Hardwood	Mil. standard cords [1]	16.3	16.5	18.3	19.2	19.7	20.9	20.9	21.1	[2] 23.3	(NA)
WOODPULP [4]											
Production, total [5]	Mil. short tons	**43.5**	**43.1**	**49.1**	**50.0**	**51.2**	**53.0**	**53.4**	**51.2**	**55.0**	**58.1**
Sulphate	Mil. short tons	29.5	29.2	34.2	35.5	36.3	38.0	38.7	37.9	40.7	43.1
Groundwood	Mil. short tons	4.4	4.4	4.9	4.7	4.6	5.3	5.7	5.1	5.1	5.5
Consumption in paper and board [6]	Mil. short tons	43.2	42.4	48.5	49.8	51.6	52.4	53.0	49.7	53.9	57.2
PLYWOOD											
Production, total	Mil. sq. ft [7]	**15,945**	**16,758**	**20,065**	**20,676**	**19,354**	**16,521**	**16,499**	**16,055**	**19,308**	(NA)
Softwood	Mil. sq. ft.[7]	14,149	15,706	18,877	19,492	18,204	15,483	15,524	15,134	18,306	(NA)
Hardwood	Mil. sq. ft.[7]	1,796	1,052	1,187	1,185	1,150	1,038	976	921	1,002	(NA)
Consumption	Mil. sq. ft.[7]	17,822	17,823	21,981	22,903	21,021	17,344	17,277	16,693	20,389	(NA)

NA Not available. [1] 128 cubic feet. [2] Preliminary. [3] Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-26A, monthly and annual. [4] Source: Through 1980, U.S. Bureau of the Census, *Current Industrial Reports;* thereafter American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard and Woodpulp*, annual, and *Monthly Statistical Summaries*. [5] Includes other woodpulp not shown separately. [6] Includes defibrated and exploded woodpulp, plus screenings (estimated at 2.6 million short tons in 1984). [7] ⅜" basis.

Source: Except as noted, U.S. Forest Service, *U.S. Timber Production, Trade, Consumption and Price Statistics, 1950 to 1984*, annual.

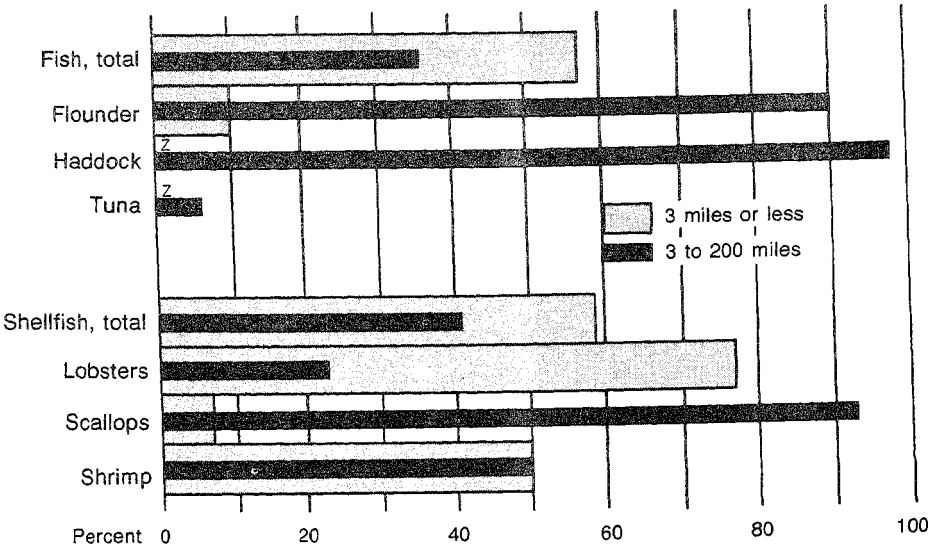
No. 1214. Selected Timber Products—Import and Export Summary: 1965 to 1984

Item	Unit	1965	1970	1975	1979	1980	1981	1982	1983	1984
IMPORTS										
Lumber, total [1]	Mil. bd. ft	5,234	6,114	5,976	11,530	9,866	9,523	9,360	12,254	13,632
From Canada	Percent	95.9	96.0	96.0	97.0	97.5	97.5	98.2	98.3	97.9
Softwoods	Mil. bd. ft	4,900	5,778	5,724	11,153	9,573	9,232	9,150	11,993	13,304
Value	Mil dol	315	434	717	2,551	1,826	1,763	1,624	2,569	2,681
Hardwoods	Mil. bd. ft	334	337	252	376	293	291	211	260	328
Value	Mil. dol	59	62	70	187	152	154	104	134	173
Logs, total	Mil. bd. ft.[2]	68	144	85	133	128	101	117	165	147
From Canada	Percent	29.8	79.6	93.9	83.6	97.4	98.3	98.6	97.9	97.4
Softwoods	Mil. bd. ft.[2]	14	107	69	118	114	88	99	142	117
Value	Mil. dol	1	9	12	26	17	17	23	24	15
Hardwoods	Mil. bd. ft.[2]	55	38	17	15	13	14	18	23	30
Value	Mil. dol	6	5	3	3	3	3	3	3	5
Paper and board [3]	1,000 tons	6,585	7,115	6,253	9,123	8,780	8,339	8,024	8,986	11,075
Value	Mil. dol	853	1,039	1,606	3,208	3,418	3,672	3,682	4,019	5,324
Woodpulp	1,000 tons	3,137	3,518	3,078	4,318	4,041	4,087	3,656	4,093	4,490
Value	Mil. dol	399	483	1,007	1,465	1,684	1,764	1,493	1,472	1,845
Plywood	Mil. sq. ft	2,138	4,171	3,913	4,243	2,477	3,047	2,270	3,393	3,056
Value	Mil. dol	125	208	260	591	409	465	331	451	438
EXPORTS										
Lumber, total [1]	Mil. bd. ft	919	1,243	1,618	2,142	2,494	2,406	2,021	2,270	2,150
To: Canada	Percent	31.0	21.7	34.0	30.4	25.3	30.3	20.7	29.3	25.8
Japan	Percent	11.5	30.8	31.9	30.2	26.0	21.8	31.1	27.8	28.0
Europe	Percent	26.8	24.1	15.1	21.3	23.8	16.6	20.3	20.2	16.0
Softwoods	Mil bd. ft	783	1,115	1,405	1,781	2,007	1,928	1,635	1,756	1,624
Value	Mil. dol	95	163	346	791	789	664	582	609	541
Hardwoods	Mil bd. ft	136	128	213	361	487	479	386	514	527
Value	Mil. dol	25	31	68	225	272	269	229	305	300
Logs, total	Mil. bd. ft.[2]	1,195	2,741	2,667	3,897	3,261	2,489	3,208	3,307	3,495
To: Canada	Percent	29.7	10.6	10.4	10.5	9.7	9.9	9.4	10.5	12.1
Japan	Percent	67.3	86.3	84.6	80.8	78.0	71.3	61.7	55.4	50.4
Softwoods	Mil. bd. ft.[2]	1,114	2,672	2,601	3,768	3,109	2,377	3,115	3,196	3,369
Value	Mil. dol	83	320	681	1,614	1,452	1,003	1,174	1,068	1,079
Hardwoods	Mil. bd. ft.[2]	81	69	66	129	152	112	93	112	126
Value	Mil. dol	35	36	43	138	129	92	84	98	101
Paper and board [3]	1,000 tons	1,770	2,817	3,116	3,872	5,214	4,641	4,246	4,568	4,367
Value	Mil. dol	388	602	1,315	1,914	2,773	2,891	2,589	2,481	2,551
Woodpulp	1,000 tons	1,402	3,095	2,782	2,935	3,806	3,678	3,395	3,644	3,594
Value	Mil. dol	190	464	875	1,104	1,652	1,661	1,415	1,362	1,502
Plywood	Mil. sq. ft	38	183	871	435	420	741	493	615	407
Value	Mil. dol	6	16	141	107	108	178	117	143	94

[1] Includes railroad ties. [2] Log scale. [3] Includes paper and board products. Excludes hardboard.

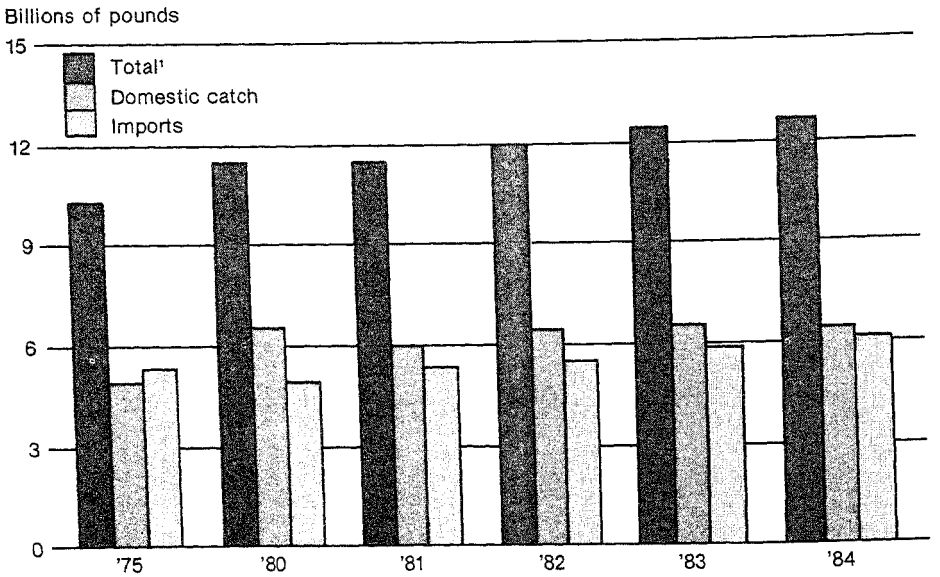
Source; U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950 to 84.*

Figure 26.1
U.S. Catch of Fish and Shellfish, by Distance Caught Off U.S. Shores: 1984



Z = Less than .5 percent.
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1225.

Figure 26.2
Fishery Products—Supply: 1975 to 1984



¹Supply of edible, industrial and commercial products.
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1218.

1986

Section 26

Fisheries

This section presents statistics on commercial fishing and the fish processing industry. The principal sources of these data are *Fishery Statistics of the United States,* and *Fisheries of the United States,* both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

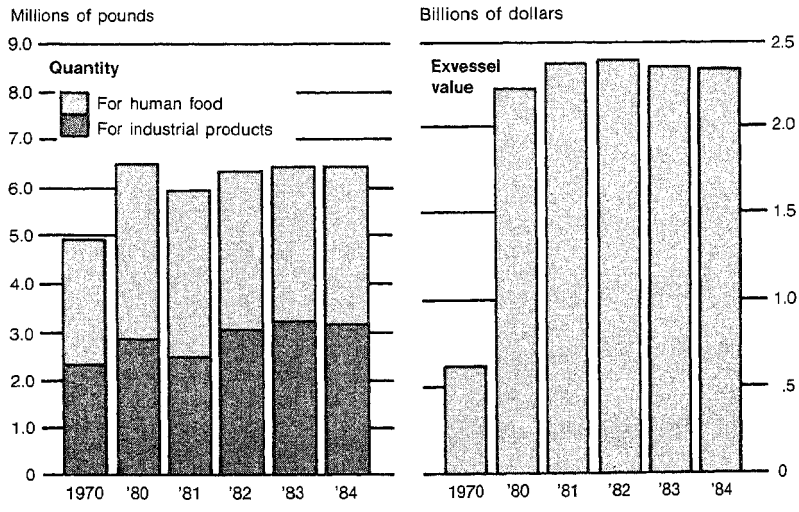
The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State.

The Magnuson Fishery Conservation and Management Act of 1976 established a Fisheries Conservation Zone (FCZ) which gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the FCZ. Within the FCZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1983.* The NMFS collects and disseminates data on catches by foreign fishing vessels in the FCZ.

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

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix VI.

Figure 26.3
Fisheries—Quantity and Value of Domestic Catch: 1970 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1215 and 1218.

No. 1215. Fisheries—Quantity and Value of Domestic Catch: 1940 to 1984

[Prior to 1950, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L 224-226, L 229, and L 310]

Year	Quantity (mil. lb.[1]) Total	For human food	For industrial products [2]	Ex-vessel value (mil. dol.)	Average price per lb. (cents)	Year	Quantity (mil. lb.[1]) Total	For human food	For industrial products [2]	Ex-vessel value (mil. dol.)	Average price per lb. (cents)
1940	4,060	2,675	1,385	99	2.4	1975	4,877	2,465	2,412	977	20.0
1945	4,598	3,167	1,431	270	5.9	1976	5,388	2,775	2,613	1,349	25.0
1950	4,901	3,307	1,594	347	7.1	1977	5,271	2,952	2,319	1,554	29.5
1955	4,809	2,579	2,230	339	7.1	1978, prel.	6,028	3,177	2,851	1,854	30.7
1960	4,942	2,498	2,444	354	7.2	1979, prel.	6,267	3,318	2,949	2,234	35.6
1965	4,777	2,587	2,190	446	9.3	1980, prel.	6,482	3,654	2,828	2,237	34.5
1970	4,917	2,537	2,380	613	12.5	1981, prel.	5,977	3,547	2,430	2,388	40.0
1971	5,018	2,441	2,577	651	13.0	1982, prel.	6,367	3,285	3,082	2,390	37.5
1972	4,806	2,435	2,371	748	15.6	1983, prel.	6,439	3,238	3,201	2,355	36.6
1973	4,858	2,398	2,460	937	19.3	1984, prel.	6,438	3,320	3,118	2,350	36.5
1974	4,967	2,496	2,471	932	18.7						

[1] Live weight. [2] Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1216. Fisheries—Employment, Fishing Craft, and Establishments: 1970 to 1983

[**In thousands.** As of **Dec. 31.** Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254-261]

Item	1970	1973	1974	1975	1976	1977	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1982, prel.	1983, prel.
Persons employed in U.S	**227**	**243**	**253**	**260**	**267**	**280**	**257**	**267**	**296**	**303**	**314**	**333**
Fishermen	140	149	161	168	174	182	172	184	193	198	216	223
Shore workers [1]	87	94	92	92	93	98	85	83	103	105	98	110
Craft used	**88**	**90**	**101**	**103**	**103**	**107**	**104**	**103**	**113**	**115**	**123**	**127**
Vessels, 5 net tons and over	14	15	16	16	17	17	18	18	19	20	20	21
Motorboats	72	72	83	85	84	88	84	84	93	93	102	105
Other boats	2	2	2	2	2	2	2	1	1	2	1	1
Fishery shore establishments	**3.7**	**3.6**	**3.5**	**3.6**	**3.6**	**3.6**	**3.3**	**3.4**	**3.6**	**3.6**	**3.6**	**3.9**

[1] Seasonal average.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1217. Fisheries—Catch and Ex-Vessel Value by Area: 1981 to 1984

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and ex-vessel value of catch]

Area	1981 [1] Total catch (mil. lb.)	Value (mil. dol.)	1982 [1] Total catch (mil. lb.)	Value (mil. dol.)	1983 [1] Total catch (mil. lb.)	Value (mil. dol.)	1984 [1] Total catch (mil. lb.)	Value (mil. dol.)
United States	**5,977**	**2,388**	**6,367**	**2,390**	**6,439**	**2,355**	**6,438**	**2,350**
New England States	697	356	687	374	711	435	694	434
Middle Atlantic States	228	95	129	93	128	94	153	109
Chesapeake Bay States	603	126	791	120	841	130	663	138
South Atlantic States	543	138	427	164	397	173	402	150
Gulf States	1,700	554	2,300	614	2,443	615	2,644	656
Pacific Coast States	2,070	1,064	1,872	964	1,739	846	1,701	795
Great Lakes States	39	12	36	13	47	14	61	14
Hawaii	13	18	14	14	29	18	35	29
Other [2]	85	25	109	34	103	30	85	25

[1] Preliminary. [2] Mississippi River and other areas.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1218. Fishery Products—Supply: 1970 to 1984

[Live weight, in millions of pounds, except percent. 1978–1984 preliminary. See *Historical Statistics, Colonial Times to 1970,* series L 224–226, for domestic catch]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	**11,474**	**9,875**	**10,164**	**11,593**	**10,652**	**11,509**	**11,831**	**11,357**	**11,353**	**12,011**	**12,352**	**12,552**
For human food	6,213	6,638	6,394	7,404	7,466	8,135	8,251	8,006	8,267	7,968	8,413	8,498
Finfish	(NA)	4,971	4,848	5,657	5,641	6,263	6,324	6,139	6,316	6,090	6,358	6,303
Shellfish [1]	(NA)	1,667	1,546	1,747	1,825	1,872	1,927	1,867	1,951	1,878	2,055	2,195
For industrial use	5,261	3,237	3,770	4,189	3,186	3,374	3,580	3,351	3,086	4,043	3,939	4,054
Domestic catch	**4,917**	**4,967**	**4,877**	**5,388**	**5,271**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**	**6,439**	**6,438**
Percent of total	42.8	50.2	47.9	46.5	49.5	52.4	53.0	57.1	52.7	53.0	52.1	51.3
For human food	2,537	2,496	2,465	2,775	2,952	3,177	3,318	3,654	3,547	3,285	3,238	3,320
Finfish	(NA)	1,522	1,548	1,776	1,833	2,018	2,204	2,516	2,414	2,324	2,351	2,348
Shellfish [1]	(NA)	974	917	999	1,119	1,159	1,114	1,138	1,133	961	887	972
For industrial use	2,380	2,471	2,412	2,613	2,319	2,851	2,949	2,828	2,430	3,082	3,201	3,118
Imports [2]	**6,557**	**4,908**	**5,287**	**6,205**	**5,381**	**5,481**	**5,564**	**4,875**	**5,376**	**5,644**	**5,913**	**6,114**
Percent of total	57.2	49.8	52.1	53.5	50.5	47.6	47.0	42.9	47.3	47.0	47.9	48.7
For human food	3,676	4,142	3,929	4,629	4,514	4,958	4,933	4,352	4,720	4,683	5,175	5,178
Finfish	(NA)	3,449	3,300	3,881	3,808	4,245	4,120	3,623	3,902	3,766	4,007	3,955
Shellfish [1]	(NA)	693	629	748	706	713	813	729	818	917	1,168	1,223
For industrial use [3]	2,881	766	1,358	1,576	867	523	631	523	656	961	738	936

NA Not available. [1] For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. [2] Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. [3] Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1219. Fisheries—Disposition of Domestic Catch: 1970 to 1984

[Live weight catch in millions of pounds. 1977–1984 preliminary. In addition to whole fish, a large portion of waste (400–500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970,* series L 305–310, for similar but not entirely comparable data]

DISPOSITION	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	**4,917**	**4,967**	**4,877**	**5,388**	**5,198**	**6,028**	**6,267**	**6,482**	**5,977**	**6,367**	**6,439**	**6,438**
Fresh and frozen	1,595	1,660	1,744	1,921	2,025	2,237	2,394	2,621	2,547	2,550	2,304	2,336
Canned	1,150	1,005	907	1,051	1,078	1,099	1,046	1,161	1,118	891	1,087	1,128
Cured	71	69	55	55	55	52	94	96	90	85	80	82
Reduced to meal, oil, etc	2,101	2,233	2,171	2,361	2,040	2,640	2,733	2,604	2,222	2,841	2,968	2,892

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States,* annual, and *Fisheries of the United States,* annual.

No. 1220. Fisheries, Selected Countries—Commercial Catch, 1975 to 1982, and Catch Per Capita, 1975

[In billions of pounds, live weight, except per capita. Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals. World total includes countries not shown separately]

COUNTRY	1975		1980	1981	1982
	Total	Per capita [1] (lb.)			
World total	**145.5**	**27.1**	**159.5**	**165.5**	**169.3**
United States	6.3	35.1	8.0	8.3	8.8
Japan	21.8	148.6	23.0	23.5	23.8
Soviet Union	22.0	63.3	20.9	21.0	22.0
Peru	7.6	37.9	6.0	6.0	7.6
Chile	2.0	34.8	6.2	7.5	8.1
Norway	5.5	103.6	5.3	5.6	5.5
India	5.0	7.0	5.4	5.4	5.1
Korea, Rep. of	4.2	104.3	4.6	5.2	5.0
Denmark	3.9	77.4	4.5	4.1	4.2
Indonesia	3.0	23.6	4.1	4.2	4.5
Thailand	3.4	50.5	4.0	4.4	4.2
Iceland	2.2	147.3	3.3	3.2	1.7
Philippines	3.2	73.0	3.4	3.7	3.9
Canada	2.2	40.1	2.9	3.1	3.1
Korea, D.P.R. (est.)	2.3	78.5	3.1	3.3	3.4
Spain	3.3	77.8	2.8	2.8	3.0
Vietnam (est.)	1.9	48.1	2.1	2.1	2.2
Brazil	1.7	15.2	1.8	1.8	1.9
Mexico	1.0	10.8	2.7	3.5	3.3
France	1.7	48.9	1.7	1.7	1.7
South Africa, Rep. of	1.3	15.4	1.4	1.3	1.4
Poland	1.8	45.2	1.4	1.4	1.3
United Kingdom	1.1	38.1	.9	.8	.7

[1] 1975–1977 average.

Source: Food and Agricultural Organization of the United Nations, Rome, Italy, *Yearbook of Fishery Statistics, 1982,* vol. 54.

No. 1221. Fisheries—Catch and Value of Principal Species: 1975 to 1984

[**Catch in millions of pounds live weight, value in millions of dollars.** Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish. 1980-84 preliminary]

Species	Catch						Value					
	1975	1980	1981	1982	1983	1984	1975	1980	1981	1982	1983	1984
Fish:												
Cod, Atlantic	56	118	100	104	112	97	13	32	33	37	38	36
Flounder	162	217	201	228	254	220	44	82	86	102	116	124
Haddock	16	55	55	45	33	26	5	21	22	22	19	18
Halibut	21	19	27	33	45	48	16	17	21	29	41	25
Herring, sea	131	291	247	202	180	179	6	45	31	35	44	26
Jack mackerel	37	44	31	58	40	23	2	4	3	5	3	2
Menhaden	1,803	2,497	2,105	2,766	2,963	2,891	49	112	81	108	119	117
Ocean perch, Atlantic	32	24	19	19	13	12	3	6	5	5	3	4
Pollock	21	43	41	35	34	64	2	7	9	7	6	9
Salmon, Pacific	202	614	648	607	639	691	107	357	438	392	351	392
Tuna	393	399	341	261	279	212	107	233	206	146	143	118
Whiting	42	36	37	36	37	46	4	6	7	8	7	7
Shellfish:												
Clams (meats)	113	95	121	108	115	133	43	90	107	97	96	116
Crabs	306	523	446	350	317	313	81	291	297	282	223	187
Lobsters, American	30	37	37	39	44	44	51	75	87	91	107	114
Oysters (meats)	53	49	50	54	50	48	45	70	69	76	67	81
Scallops (meats)	14	30	46	34	32	59	23	114	128	96	136	128
Shrimp	347	340	355	284	250	302	226	403	463	509	504	488

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1222. Prices Received by Fishermen and Vessel Owners: 1970 to 1984

[**Cents per pound. Live weight.** 1979-1984 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1970*, series L 321-337]

Species	Point of pricing	1970	1975	1978	1979	1980	1981	1982	1983	1984
Fish:										
Cod	Massachusetts	13.1	24.2	25.4	29.3	27.3	33.0	36.2	33.9	37.9
Flounder	Massachusetts	15.3	34.9	50.5	47.2	42.4	57.9	56.7	54.0	96.5
Haddock	Massachusetts	25.8	32.8	31.9	42.6	38.7	39.4	49.5	58.6	71.5
Menhaden	(No specific point)	1.8	2.7	3.8	4.2	4.5	3.8	3.8	4.0	4.0
Ocean perch	Maine, Massachusetts	4.9	10.3	17.1	21.0	23.0	28.3	27.4	26.6	28.8
Salmon, chinook	(No specific point)	55.4	85.9	133.8	173.5	166.3	182.5	182.3	127.3	173.1
Salmon, coho	(No specific point)	39.3	77.6	118.6	142.5	109.7	94.5	99.4	66.5	90.5
Tuna, albacore	(No specific point)	26.7	33.3	60.6	64.7	80.1	91.0	69.1	61.6	62.3
Shellfish:										
Clams, soft	Maine	47.5	86.9	124.3	144.6	150.7	156.7	152.3	174.8	222.8
Crabs, blue, hard	Maryland, Virginia	6.6	15.7	20.5	19.1	20.3	23.4	32.2	29.1	29.0
Lobsters, American	Maine	94.7	161.5	177.1	180.3	189.7	206.6	221.8	233.1	252.2
Oysters, eastern	Maryland, Virginia	61.1	80.1	110.7	125.9	131.3	128.2	129.5	144.3	211.4
Sea scallops	Massachusetts	135.6	188.8	253.5	340.3	404.2	406.8	384.2	570.0	560.3
Shrimp	So. Atlantic, Gulf	47.6	107.0	130.6	185.4	149.0	152.4	206.2	216.2	173.2

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 Revised), *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1223. Commercial Fishery Products—Per Capita Consumption: 1965 to 1984

[**Pounds of edible meat.** 1979-1984 preliminary. Based on U.S. Bureau of the Census estimates of the civilian resident population as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 294-304]

Product	1965	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	10.8	11.8	12.5	12.8	12.1	12.2	12.9	12.7	13.4	13.0	12.8	12.9	12.3	13.1	13.6
Fresh and frozen	6.0	6.9	7.1	7.4	6.9	7.5	8.2	7.7	8.1	7.8	8.0	7.8	7.7	8.0	8.3
Fish [1]	3.8	4.5	4.7	5.2	4.4	4.9	5.6	5.1	5.5	5.4	5.5	5.0	5.1	5.2	5.3
Shellfish	2.2	2.4	2.4	2.2	2.5	2.6	2.6	2.6	2.6	2.4	2.5	2.8	2.6	2.8	3.0
Canned	4.3	4.5	4.9	5.0	4.7	4.3	4.2	4.6	5.0	4.8	4.5	4.8	4.3	4.8	5.0
Tuna	2.3	2.5	2.9	3.1	3.1	2.9	2.8	2.8	3.3	3.3	2.9	3.1	2.7	3.1	3.2
Salmon	.9	.7	.7	.4	.3	.4	.4	.5	.6	.6	.5	.5	.5	.5	.5
Shellfish	.5	.5	.5	.5	.5	.4	.4	.6	.5	.5	.5	.5	.4	.6	.6
Sardines	.3	.4	.4	.5	.4	.2	.3	.3	.3	.3	.3	.4	.3	.2	.2
Other	.3	.4	.4	.5	.4	.4	.3	.4	.4	.3	.3	.3	.4	.4	.5
Cured	.5	.4	.5	.4	.5	.4	.5	.4	.3	.4	.3	.3	.3	.3	.3

[1] Beginning 1973, includes consumption of artificially cultivated catfish.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1224. Catch and Catch Limits in the U.S. Fishery Conservation Zone (FCZ), by Country: 1981 to 1984

[**In millions of pounds live weight.** Data are preliminary. Excludes tuna. (In 1981, U.S. domestic catch of tuna in FCZ was 35 mil. lb., in 1982 and 1983, 23 mil. lb. and in 1984, 34 mil. lb.). Allocations (catch limits) set by species for countries fishing within 200 to 300 miles of U.S. shores. For details, see text, p. 681, and source]

COUNTRY	ACTUAL CATCH				ALLOCATION			
	1981	1982	1983	1984	1981	1982	1983	1984
Total catch in FCZ	**5,968**	**5,451**	**5,440**	**5,984**	(x)	(x)	(x)	(x)
U.S.	2,320	2,331	2,525	2,939	(x)	(x)	(x)	(x)
Foreign	3,648	3,120	2,894	3,011	[1] 4,638	[1] 4,270	[1] 4,265	[1] 4,278
Japan	2,558	2,384	2,143	2,074	3,140	3,039	2,585	2,554
U.S.S.R.	(x)	(x)	(x)	51	(x)	(x)	(x)	77
Korea, Rep. of	536	536	613	605	592	677	716	727
Poland	362	(x)	(x)	154	508	(x)	(x)	174
Canada	66	66	51	27	(x)	(x)	(x)	(x)
Spain	43	34	10	9	62	36	30	22
Italy	26	32	20	25	50	45	32	19
Germany, Fed. Rep. of	26	36	52	54	53	49	64	62
Portugal	(x)	(z)	(x)	(z)	24	24	5	17
Bulgaria	16	16	(x)	(x)	50	40	1	(x)
Faroe Islands	(x)	(z)	(x)	(x)	1	1	1	1
China (Taiwan)	13	15	(x)	(x)	48	47	15	(x)
Cuba	(x)	(x)	(x)	(x)	15	(x)	(x)	(x)
Romania	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
German Dem. Rep.	(x)	(x)	3	12	(x)	12	11	26

X Not applicable. Z Less than 500,000 pounds. [1] Includes countries not shown separately.

No. 1225. U.S. Catch and Value of Fish and Shellfish, by Distance Caught Off U.S. Shores—Selected Species: 1984

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and catches by U.S. flag vessels unloaded onto foreign vessels within the U.S. FCZ (joint venture)]

SPECIES	Total U.S. catch [1] (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch [1] (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES		
		Catch (mil. lb.)			Percent of U.S. catch						
		3 miles or less [2]	3 to 200 miles	Over 200 miles	3 miles or less [2]	3 to 200 miles	Over 200 miles		3 miles or less [2]	3 to 200 miles	Over 200 miles
Fish, total [3]	**7,277.7**	**4,164.3**	**2,555.5**	**557.9**	**57.2**	**35.1**	**7.7**	**1,417.5**	**47.3**	**35.7**	**17.0**
Cod, Atlantic	96.8	3.6	92.6	.6	3.7	95.7	.6	36.1	3.8	95.5	.7
Flounder	339.8	33.7	305.5	.6	9.9	89.9	.2	131.9	13.3	86.3	.4
Haddock	26.0	(z)	25.5	.4	.2	98.1	1.5	18.4	.2	98.0	1.8
Halibut	47.9	17.0	30.9	(z)	35.5	64.5	(z)	25.4	31.8	68.1	(z)
Herring, sea	178.5	150.4	28.1	-	84.3	15.7	-	25.9	95.2	4.8	-
Jack mackerel	23.3	2.8	20.5	-	12.0	88.0	-	2.0	12.0	88.0	-
Menhaden	2,891.1	2,874.6	16.5	-	99.4	.6	-	117.3	99.6	.4	-
Ocean perch	25.5	2.8	20.8	1.9	11.0	81.6	7.4	6.1	11.8	78.3	9.8
Salmon, Pacific	691.4	686.8	4.6	-	99.3	.7	-	391.5	97.8	2.2	-
Tuna	582.9	.7	34.0	548.2	(z)	5.8	94.1	270.5	(x)	12.9	86.8
Shellfish [3]	**1,014.4**	**579.0**	**417.3**	**18.1**	**57.1**	**41.1**	**1.8**	**1,220.2**	**49.6**	**45.8**	**4.6**
Clams (meats)	132.9	40.7	92.2	-	30.6	69.4	-	116.5	62.2	37.8	-
Crabs	313.0	244.7	68.2	(z)	78.2	21.8	(z)	186.6	60.3	39.7	(z)
Lobsters	50.2	38.7	11.4	.1	77.1	22.7	(z)	131.6	74.3	25.3	.4
Scallops (meats)	59.4	4.1	55.3	-	6.9	93.1	-	127.8	14.3	85.7	-
Shrimp	301.7	151.5	150.2	-	50.2	49.8	-	488.4	40.8	59.2	-

- Represents zero. Z Less than 500,00 pounds or .05 percent. [1] Includes catch from international waters or off foreign shores. [2] Includes all landings in Great Lakes and other inland waters. [3] Includes other species not shown separately.

No. 1226. Supply of Tuna, Salmon, and Sardines: 1970 to 1984

[**In millions of pounds.** 1979-84 preliminary]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Tuna: Domestic landings, live weight	478	570	665	458	566	508	500	490	473	586	583
Imports, fresh and frozen, live weight	465	517	641	670	870	810	770	770	589	534	494
Canned tuna, total supply	510	582	658	583	757	674	666	698	626	713	777
From domestic landings	204	261	287	207	257	218	215	217	206	251	264
From imported fresh and frozen	234	269	312	341	448	402	387	410	332	339	351
Imported canned	72	52	59	35	52	54	64	71	88	123	162
Canned salmon, for U.S. consumption	168	59	108	115	116	98	126	152	71	127	144
Domestic pack	183	78	125	136	149	149	200	215	112	181	193
Exports	17	23	20	21	33	51	74	63	41	54	49
Canned sardines, total supply	66	57	79	74	75	80	71	86	68	48	59
Maine sardines	19	26	25	23	26	30	20	31	18	13	15
Imports	47	31	54	50	49	50	51	55	50	35	45

Source of tables 1224-1226: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1227. Fisheries—Quantity and Value of Catch, by State, and Catch of Principal Species, by Area: 1970 to 1984

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1979-1984 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 262-293]

Area, State, Catch, and Value	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
New England:											
Catch	531	498	547	586	661	709	788	697	687	711	694
Value	91	154	174	207	256	302	327	356	374	435	433
Maine:											
Catch	159	138	178	182	190	232	245	238	217	202	179
Value	31	48	54	62	69	80	93	104	101	108	108
New Hampshire:											
Catch	1	3	3	4	5	8	19	8	8	10	12
Value	1	1	1	2	2	3	5	4	4	4	8
Massachusetts:											
Catch	287	274	289	321	377	375	438	370	344	377	375
Value	47	83	96	116	152	176	178	197	204	245	233
Rhode Island:											
Catch	79	79	72	73	84	88	81	80	113	114	120
Value	11	19	21	23	29	36	46	49	55	66	70
Connecticut:											
Catch	5	4	5	5	5	6	5	1	5	8	8
Value	2	3	2	4	4	7	5	2	10	12	14
Catch for certain species:											
Cod	53	55	55	76	86	97	118	100	104	112	96
Flounder	104	77	80	89	87	98	118	112	128	154	115
Haddock	27	16	13	29	39	42	55	55	45	33	26
Herring, sea	66	79	110	111	111	143	184	139	73	51	74
Lobster, American	30	29	30	30	34	36	36	36	37	42	42
Ocean perch, Atlantic	55	32	32	35	36	34	24	19	19	13	12
Pollock	9	21	24	29	39	34	40	37	31	31	40
Whiting	40	33	37	33	35	16	18	20	24	26	33
Middle Atlantic:											
Catch	140	188	269	214	201	228	244	228	129	128	153
Value	30	50	69	70	79	92	97	95	93	94	109
New York:											
Catch	32	37	35	33	36	37	39	36	35	38	38
Value	16	28	32	31	34	38	45	45	45	38	40
New Jersey:											
Catch	98	144	227	179	164	189	201	189	90	86	112
Value	13	20	35	38	44	53	50	48	45	54	67
Delaware:											
Catch	10	7	7	2	1	2	4	3	4	4	3
Value	1	2	2	1	1	1	2	2	2	2	2
Catch for certain species:											
Clams (meats)	63	53	43	50	43	46	40	49	54	53	68
Menhaden	31	67	151	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oysters (meats)	1	3	4	2	2	3	3	2	2	2	2
Scup or porgy	4	10	9	9	11	8	8	10	7	8	7
Chesapeake Bay:											
Catch	630	509	587	671	599	639	717	603	791	841	663
Value	41	56	74	87	94	122	130	126	120	130	138
Maryland:											
Catch	80	64	58	62	60	66	80	115	100	90	89
Value	19	23	31	31	33	37	45	57	51	45	55
Virginia:											
Catch	551	445	529	609	539	573	637	488	691	751	574
Value	22	33	43	56	61	85	85	69	69	85	83
Catch for certain species:											
Alewives	21	12	4	1	2	2	1	1	1	2	1
Clams (meats)	23	47	24	28	28	30	36	38	31	38	36
Crabs	70	62	47	60	54	66	65	64	100	96	98
Menhaden	450	322	446	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oysters (meats)	25	23	21	18	22	20	21	22	18	11	13
South Atlantic:											
Catch	280	333	318	347	399	488	473	543	427	397	402
Value	30	64	74	71	96	145	148	138	164	173	150
North Carolina:											
Catch	173	238	226	251	300	390	356	432	308	288	276
Value	9	20	28	29	41	58	69	58	64	58	57
South Carolina:											
Catch	16	20	21	16	21	21	21	16	20	19	15
Value	4	13	14	10	16	26	20	14	24	25	15
Georgia:											
Catch	14	18	15	13	17	22	19	19	20	19	16
Value	4	12	12	9	14	28	20	13	22	25	12
Florida (east coast):											
Catch	76	57	56	66	61	55	77	76	79	71	95
Value	12	19	20	24	25	33	39	53	54	65	66
Catch for certain species:											
Crabs	43	31	27	31	47	49	55	60	62	58	52
Menhaden	136	167	145	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Shrimp	21	25	26	18	20	32	33	17	26	27	19

See footnotes at end of table.

No. 1227. Fisheries—Quantity and Value of Catch, by State, and Catch of Principal Species, by Area: 1965 to 1984—Continued

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. 1979-1984 preliminary. See also *Historical Statistics, Colonial Times to 1970*, series L 262-293]

Area, State, Catch, and Value	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Gulf States:											
Catch	1,698	1,654	1,743	1,482	2,287	2,129	1,979	1,700	2,300	2,443	2,644
Value	167	271	386	408	473	530	463	554	614	616	656
Florida (west coast):											
Catch	116	116	111	116	110	108	115	139	116	109	112
Value	31	57	69	76	73	91	86	119	114	113	112
Alabama:											
Catch	30	31	32	35	30	31	25	32	25	21	27
Value	10	21	34	37	35	49	25	43	46	43	44
Mississippi:											
Catch	298	306	288	313	374	379	332	260	379	439	477
Value	11	14	21	26	27	32	25	29	38	48	47
Louisiana:											
Catch	1,107	1,115	1,219	910	1,674	1,529	1,412	1,161	1,697	1,784	1,924
Value	61	86	135	136	190	199	174	190	232	225	263
Texas:											
Catch	147	86	93	109	99	80	94	108	84	90	104
Value	53	93	127	134	148	159	153	173	184	187	190
Catch for certain species:											
Crabs	36	41	39	48	41	42	45	41	41	41	55
Menhaden	1,209	1,197	1,238	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mullet	27	26	19	22	27	22	31	32	25	22	19
Oysters (meats)	18	19	22	20	18	15	17	17	24	28	24
Shrimp	230	170	210	265	248	207	208	268	210	198	254
Great Lakes: [1]											
Catch	72	62	67	73	68	49	44	39	36	47	61
Value	6	9	11	10	10	11	14	12	13	14	14
Superior:											
Catch	5	5	6	5	5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Value	1	2	2	2	2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan:											
Catch	53	45	48	55	51	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Value	4	4	5	5	4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Huron:											
Catch	2	2	2	2	2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Value	(z)	1	1	1	1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Erie:											
Catch	10	8	9	10	10	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Value	1	2	3	3	3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Pacific Coast:											
Catch	1,480	1,551	1,771	1,809	1,741	1,925	2,140	2,070	1,872	1,739	1,701
Value	235	352	538	673	821	1,006	1,025	1,063	964	846	795
Washington:											
Catch	134	146	142	164	138	170	156	185	170	150	156
Value	30	61	72	89	97	115	86	96	90	61	76
Oregon:											
Catch	98	86	95	115	135	128	126	135	128	97	82
Value	23	26	40	45	57	65	56	52	57	39	34
California:											
Catch	703	875	917	856	722	728	804	775	695	529	459
Value	86	135	187	189	228	227	323	275	241	202	176
Alaska:											
Catch	545	445	617	675	746	899	1,054	975	879	963	1,002
Value	96	130	239	349	439	597	560	640	576	544	509
Catch for certain species:											
Anchovies	193	329	264	223	35	117	107	127	103	22	18
Bonito	9	32	9	23	8	5	14	17	5	8	6
Crabs	126	164	222	268	301	326	347	235	143	118	93
Flounder	46	57	62	53	63	68	60	62	73	66	65
Halibut	34	21	18	17	17	21	19	27	33	45	48
Herring, sea	22	57	43	50	43	66	107	108	129	129	105
Jack mackerel	48	37	45	105	68	35	44	31	58	40	23
Salmon	410	202	310	377	404	536	614	648	607	639	670
Shrimp	93	140	168	154	154	96	98	67	45	21	21
Tuna	378	381	474	319	394	349	387	327	248	245	177
Mississippi River and tributaries:											
Catch	75	72	71	74	58	86	85	85	110	102	85
Value	10	15	14	17	13	15	21	25	34	30	25
Hawaii:											
Catch	11	9	15	13	14	14	11	13	14	29	35
Tuna catch	9	7	12	10	11	12	7	8	10	28	29
Value	4	6	9	10	12	11	12	18	14	18	29

D Withheld to avoid disclosure. NA Not available. Z Less than $500,000. [1] Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1228. Fresh and Frozen Fishery Products—Production and Value: 1975 to 1984

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii]

Product	Production (mil. lb.)						Value (mil. dol.)					
	1975	1980	1981 [1]	1982 [1]	1983 [1]	1984 [1]	1975	1980	1981 [1]	1982 [1]	1983 [1]	1984 [1]
Fish fillets and steaks [2]	**131.9**	**202.1**	**205.1**	**217.6**	**230.6**	**248.1**	**137.9**	**261.2**	**305.2**	**350.6**	**362.1**	**394.8**
Cod	15.2	31.3	43.3	41.5	51.3	70.6	14.6	43.2	68.6	60.0	68.3	94.6
Flounder	41.9	48.9	50.8	76.2	80.7	77.6	53.1	87.4	98.0	146.5	137.6	155.9
Haddock	8.2	17.2	17.8	13.5	11.7	8.4	12.3	29.0	32.9	24.7	22.0	18.4
Ocean perch, Atlantic	8.4	7.1	4.9	5.2	4.3	2.7	5.7	9.3	7.0	7.3	5.7	3.3
Whiting	.1	.6	.2	.1	.1	(3)	.1	.5	.2	.1	.1	(3)
Rockfish	5.5	14.2	16.4	17.8	17.3	19.8	3.2	12.8	16.2	19.2	22.1	25.2
Pollock, Atlantic	5.7	8.5	9.1	9.0	11.3	11.0	3.6	8.5	9.7	10.3	11.6	11.0
Other	46.9	74.3	62.6	54.3	53.9	58.0	45.3	70.5	72.6	82.8	94.7	86.4
Frozen fishery products	**299.7**	**228.2**	**220.7**	**243.0**	**186.7**	**188.1**	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. [1] Preliminary. [2] Fresh and frozen. [3] Included with "Other."

No. 1229. Canned Fishery Products—Production and Value: 1975 to 1984

[Data shown are for natural pack only. See also *Historical Statistics, Colonial Times to 1970*, series L 338-357 (production data in cases) and L 358]

Product	Production (mil. lb.)								Value (mil. dol.)							
	1975	1978	1979	1980	1981	1982	1983	1984, prel.	1975	1978	1979	1980	1981	1982	1983	1984, prel.
Total [1]	**1,382**	**1,598**	**1,439**	**1,516**	**1,476**	**1,283**	**1,391**	**1,368**	**1,067**	**1,884**	**1,743**	**1,928**	**1,954**	**1,457**	**1,534**	**1,570**
Tuna	529	705	620	602	627	539	591	614	653	1,273	1,104	1,144	1,180	918	859	872
Salmon	78	149	149	200	215	112	181	193	110	221	258	376	380	174	308	336
Clam products	76	69	73	77	88	99	102	100	42	60	61	66	72	85	86	84
Jack mackerel [2]	10	32	26	38	36	39	46	31	3	10	8	12	12	15	17	13
Sardines, Maine	26	26	30	20	31	18	13	15	25	36	45	32	55	28	20	25
Shrimp	12	17	10	16	10	6	7	6	28	50	54	80	60	35	41	33
Crabs	3	5	5	5	2	1	1	1	10	19	18	19	7	6	6	5
Squid	8	8	4	4	9	8	(NA)	(NA)	2	2	1	1	3	3	(NA)	(NA)
Oysters	2	1	(z)	(z)	(z)	1	1	(z)	4	1	1	(z)	1	2	2	(z)

NA Not available. Z Less than 500,000 pounds or $500,000. [1] Includes other products, not shown separately.
[2] Includes a small amount of Pacific mackerel.

No. 1230. Processed Fishery Products, Production and Value—Summary: 1975 to 1984

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362-365, for meal, scrap, and oil]

Product	Production (mil. lb.[1])						Value (mil. dol.)					
	1975	1980	1981	1982	1983	1984, prel.	1975	1980	1981	1982	1983	1984, prel.
Total	(x)	(x)	(x)	(x)	(x)	(x)	**2,651**	**4,942**	**4,888**	**4,509**	(NA)	(NA)
Packaged fresh and frozen	**1,113**	**1,403**	[2] **1,289**	**1,298**	(NA)	(NA)	**1,309**	**2,567**	**2,527**	**2,670**	(NA)	(NA)
Fish not breaded:												
Fillets and steaks, raw	132	203	205	218	231	248	138	262	305	351	362	395
Dressed	55	40	52	78	(NA)	(NA)	43	58	79	106	(NA)	(NA)
Other [3]	26	48	30	44	(NA)	(NA)	22	37	21	31	(NA)	(NA)
Fish breaded, raw or cooked:												
Sticks	91	88	89	91	87	92	62	89	97	106	116	109
Fillets, portions, and steaks	286	326	331	302	(NA)	(NA)	211	368	397	381	(NA)	(NA)
Shellfish: Not breaded	315	497	415	381	(NA)	(NA)	534	1,302	1,172	1,173	(NA)	(NA)
Breaded, raw and cooked	128	113	119	124	(NA)	(NA)	220	321	362	444	(NA)	(NA)
Specialties, fish and shellfish	80	88	48	60	(NA)	(NA)	79	130	94	78	(NA)	(NA)
Canned products [4]	**1,382**	**1,516**	**1,495**	**1,294**	**1,391**	**1,368**	**1,067**	**1,928**	**2,013**	**1,499**	**1,534**	**1,570**
Fish and shellfish	799	1,010	1,086	887	987	1,029	920	1,782	1,878	1,367	1,394	1,439
Animal food	583	506	409	407	403	339	148	146	135	132	141	131
Cured fish [5]	**55**	**66**	**43**	**43**	(NA)	(NA)	**102**	**175**	**135**	**105**	**159**	**150**
Salted (incl. spiced, pickled) [6]	30	43	16	17	(NA)	(NA)	44	85	37	32	(NA)	(NA)
Smoked	24	22	25	24	(NA)	(NA)	56	86	92	68	(NA)	(NA)
Dried (cod) lutefisk [5]	1	1	2	2	(NA)	(NA)	2	4	6	5	(NA)	(NA)
Industrial products	(x)	(x)	(x)	(x)	(x)	(x)	**173**	**272**	**213**	**235**	**252**	**234**
Meal and scrap (mil. tons)	(z)	(z)	(z)	(z)	(z)	(z)	66	134	119	123	(NA)	(NA)
Oil (body and liver)	246	313	184	348	399	372	33	58	33	54	67	61
Fish solubles (mil. tons)	(z)	(z)	(z)	(z)	(z)	(z)	9	14	15	16	16	16
Other	(x)	(x)	(x)	(x)	(x)	(x)	67	66	46	42	(NA)	(NA)

NA Not available. X Not applicable. Z Less than 500,000 tons. [1] Except as indicated. [2] Excludes Alaska.
[3] Includes bait and unbreaded portions. [4] Includes salmon eggs for bait. [5] Includes sun-dried and freeze-dried.
[6] In 1975 dried cod was included in salted.

Source of tables 1228-1230: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1231. Fishery Products—Imports and Exports: 1960 to 1984

[See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

Year	Imports: Total value (mil. dol.)	Imports: Edible products: Quantity (mil. lb.)	Imports: Edible products: Value (mil. dol.)	Imports: Non-edible, value (mil. dol.)	Exports: Total value (mil. dol.)	Exports: Edible products: Quantity (mil. lb.)	Exports: Edible products: Value (mil. dol.)	Exports: Non-edible, value (mil. dol.)
1960	363	1,095	311	53	44	61	26	19
1965	601	1,399	479	121	69	96	49	20
1970	1,037	1,873	813	225	118	140	94	24
1973	1,583	2,416	1,398	185	299	239	242	57
1974	1,711	2,267	1,495	215	262	178	195	67
1975	1,637	1,913	1,367	270	305	218	267	37
1976	2,328	2,228	1,914	414	385	241	330	55
1977	2,634	2,176	2,078	555	520	331	473	47
1978	3,086	2,411	2,256	830	906	448	832	74
1979	3,809	2,359	2,672	1,137	1,084	554	1,022	62
1980	3,648	2,145	2,687	962	1,006	574	904	102
1981	4,206	2,272	3,034	1,172	1,157	669	1,073	84
1982	4,523	2,225	3,202	1,321	1,059	657	999	60
1983	5,129	2,387	3,627	1,502	1,021	602	908	114
1984, prel.	5,883	2,454	3,742	2,141	949	574	842	106

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual. Compiled from U.S Bureau of the Census data.

No. 1232. Selected Fishery Products—Imports and Exports: 1981 to 1984

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

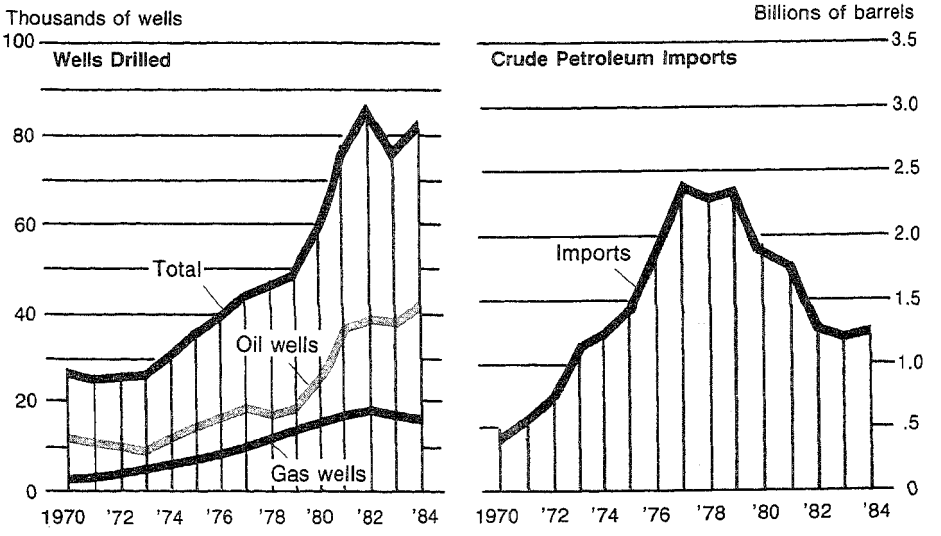
Product	Quantity (mil. lb.) 1981	1982	1983	1984, prel.	Value (mil. dol.) 1981	1982	1983	1984, prel.	Rank of three major foreign sources, 1984
IMPORTS									
Edible [1]	**2,272.5**	**2,225.0**	**2,386.8**	**2,454.3**	**3,034.2**	**3,202.4**	**3,626.7**	**3,742.3**	(x)
Fresh or frozen	1,988.5	1,921.3	2,051.5	2,057.1	2,640.2	2,806.2	3,211.9	3,281.3	Canada, Japan, Denmark
Whitefish [2]	7.5	8.3	9.7	8.5	7.2	7.4	7.4	8.5	Canada Philippines, Japan
Halibut [2]	6.3	6.7	6.1	8.1	10.1	10.4	11.2	13.7	Canada, Japan, Rep. of Korea
Salmon [2]	6.5	10.4	14.4	21.1	15.9	22.1	33.4	56.5	Canada, Norway, Netherlands
Sea herring	14.3	28.8	27.7	24.4	3.0	5.1	4.9	2.9	Iceland, Canada, Norway
Smelt	12.6	14.4	11.9	8.9	6.5	7.5	6.7	4.6	Canada, Sweden, Norway
Tuna	721.3	558.5	505.2	404.2	478.6	360.7	240.0	215.9	Japan, Taiwan, Ghana
Groundfish fillets, blocks [3]	601.3	614.2	682.6	624.0	605.2	629.0	708.0	631.1	Canada, Iceland, Denmark
Other fillets and steaks	157.0	145.7	141.5	165.7	194.2	189.0	188.0	238.3	Canada, New Zealand, Japan
Scallops (meats)	26.2	20.9	34.3	27.3	112.7	73.0	158.7	117.3	Canada, Japan, Iceland
Lobster, American and spiny	55.8	54.4	63.8	73.4	308.7	315.6	364.0	435.7	Canada, Australia, Brazil
Shrimp and prawn	218.4	268.5	328.3	328.9	715.0	970.0	1,198.0	1,189.9	Mexico, Ecuador, Panama
Canned [1]	161.6	224.5	257.6	316.4	207.9	308.7	330.4	372.9	Thailand, Philippines, Hong Kong
Anchovies, in oil	4.3	4.2	3.8	4.9	13.5	11.0	8.1	10.9	Spain, Portugal, Morocco
Salmon	.1	.2	.3	.1	.1	.6	1.5	.1	West Germany, Canada, Japan
Sardines, in oil	18.2	14.1	17.2	17.5	25.1	19.1	21.2	23.4	Norway, Canada, Portugal
Sardines and herring [4]	43.2	41.3	23.7	31.5	35.8	30.5	21.5	24.8	Peru, Canada, Iceland
Tuna	70.9	87.6	122.3	162.3	110.4	113.3	137.3	167.3	Spain, Portugal, Italy
Bonito and yellowtail	.9	.5	.2	.2	.8	.4	.3	.1	Peru, Spain, Japan
Crab meat	5.0	5.7	6.5	6.2	13.2	16.3	20.6	20.0	Canada, Thailand, Rep. of Korea
Oysters	20.4	22.4	21.6	23.0	24.0	26.5	24.8	26.2	Hong Kong, Rep. of Korea, Japan
Lobster, American and spiny	3.1	3.4	1.2	.4	20.4	26.1	8.6	2.1	Canada, Mexico, Japan
Pickled or salted [1]	67.9	64.3	60.9	61.1	71.0	62.5	56.1	55.5	Canada, Norway, Rep. of Korea
Cod, haddock, hake, pollock, cusk	45.3	40.8	37.7	38.0	56.2	48.6	42.9	42.3	Canada, Norway, Spain
Herring	20.1	21.2	20.3	20.2	11.5	10.6	9.8	9.9	Canada, Norway, Iceland
Nonedible scrap and meal	**118.9**	**168.7**	**135.9**	**166.9**	**20.5**	**25.7**	**21.8**	**26.5**	**Chile, Canada, Panama**
EXPORTS									
Canned salmon	63.5	41.2	54.5	49.0	126.6	65.9	97.0	86.8	(x)
Canned sardines	1.7	1.0	1.0	.9	1.7	.9	.7	.6	(x)
Fish oil, nonedible	**238.3**	**202.3**	**404.1**	**399.4**	**42.6**	**35.7**	**59.8**	**71.0**	(x)

X Not applicable. [1] Includes products not shown separately. [2] Excludes fillets. [3] Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting. [4] Not in oil.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

Figure 27.1

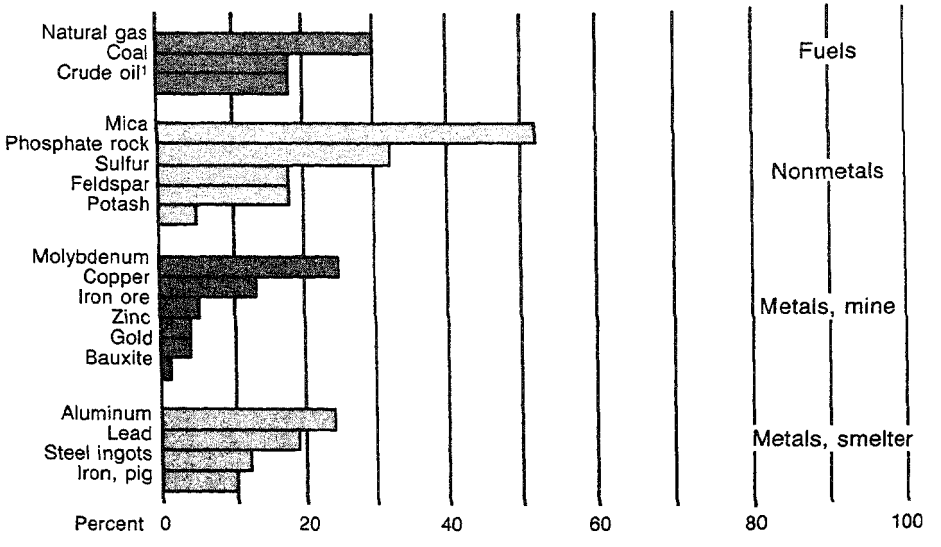
Crude Petroleum and Natural Gas—Wells Drilled and Imports of Crude Petroleum: 1970 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1248 and 1253.

Figure 27.2

U.S. Mineral Production as Percent of World Total: 1983



[1] Includes natural gas liquids.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1243.

1986

Section 27

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in Sections 29 and 33 of this *Abstract;* data on mining employment may be found in Section 14.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook,* published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, Section 20 for list of Department of Energy publications. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report* of the American Iron and Steel Institute, Washington, DC; *Metals Week* and the monthly *Engineering and Mining Journal,* issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age,* issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry,* conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employment, accidents, and injuries in the mineral industries, except petroleum and natural gas. In October 1977, mineral fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1237. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

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

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1985.* For cross-references, see Appendix VI.

No. 1233. Summary of Mineral Operations: 1958 to 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977	1982
Establishments [1]	Number	36,392	38,651	28,579	25,269	31,359	73,005
With 20 or more employees [1]	Number	6,045	5,499	5,682	5,312	6,632	10,272
Including all operations in manufactures	Number	37,966	40,532	29,688	26,178	31,967	73,349
Excluding oil and gas extraction	Number	19,444	19,290	13,330	11,680	13,520	12,838
Employees, total	1,000	734	616	567	595	799	1,114
Production workers [2]	1,000	565	482	433	443	593	762
All other	1,000	169	134	134	152	206	352
Worker-hours, production workers [2]	Million	1,081	973	892	909	1,183	1,578
Workerhours per production workers	1,000	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	Mil. dol	3,749	3,743	4,187	6,226	13,167	28,637
Wages, production workers [2]	Mil. dol	2,623	2,680	2,888	4,250	9,082	18,030
Salaries, all other employees	Mil. dol	1,126	1,063	1,299	1,976	4,085	10,607
Cost of supplies, etc.[3]	Mil. dol	7,521	8,974	10,576	14,884	46,079	109,697
Value added in mining	Mil. dol	13,385	15,910	19,330	26,471	68,013	188,056
Metal mining	Mil. dol	1,180	1,418	1,557	2,382	3,504	3,215
Coal mining	Mil. dol	1,780	1,727	2,091	3,754	11,266	18,631
Oil and gas extraction	Mil. dol	9,033	11,020	13,394	17,612	48,587	159,937
Nonmetallic minerals mining	Mil. dol	1,392	1,745	2,288	2,723	4,656	6,273
Value of shipments and receipts [4]	Mil. dol	16,373	18,804	22,784	36,319	96,375	250,000
Capital expenditures	Mil. dol	2,804	3,264	4,058	5,036	17,718	47,753

[1] See footnote 4, table 1236. [2] See footnote 5, table 1236. [3] Includes purchased machinery installed. [4] See footnote 7, table 1236.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977* and *1982*.

No. 1234. National Income Originating in Mining: 1970 to 1984

[**In billions of dollars, except percent.** For definition of national income, see text, p. 427. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970*, series F 230, for single-year figures prior to revisions issued in 1981]

INDUSTRY	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total mining	**8.0**	**10.5**	**16.0**	**18.6**	**20.9**	**22.8**	**24.2**	**30.1**	**38.5**	**45.1**	**46.5**	**40.0**	**45.5**
Percent of total national income	1.0	1.0	1.4	1.5	1.5	1.4	1.3	1.5	1.8	1.9	1.9	1.5	1.5
Metal mining	1.2	1.5	1.6	1.6	1.8	1.7	2.0	2.8	2.8	3.2	2.0	2.1	2.4
Coal mining	2.3	3.0	5.6	6.5	6.2	6.8	7.1	8.4	8.8	9.3	9.9	8.2	9.7
Oil and gas extraction	3.2	4.1	6.8	8.3	10.7	11.7	12.0	15.7	23.3	29.2	31.3	26.5	29.5
Nonmetallic minerals, exc. fuels	1.3	1.9	2.1	2.2	2.3	2.6	3.1	3.3	3.6	3.4	3.3	3.3	3.9

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July issues and unpublished data.

No. 1235. Mining and Primary Metal Production Indexes: 1970 to 1984

[**1967 = 100.** For a discussion of revisions to the industrial production measures, see Board of Governors of the Federal Reserve, *Industrial Production*, 1976 Revision. See also *Historical Statistics, Colonial Times to 1970*, series M 68-71]

INDUSTRY GROUP	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Mining	**112.2**	**114.7**	**115.3**	**112.8**	**114.2**	**118.2**	**124.0**	**125.5**	**132.7**	**142.2**	**126.1**	**116.6**	**125.7**
Coal	108.0	104.8	106.4	113.4	117.2	121.9	114.7	135.6	146.7	141.3	142.7	136.3	155.8
Anthracite	79.2	54.9	50.9	50.1	51.9	50.2	53.4	46.7	43.7	49.2	46.5	37.0	37.3
Bituminous	109.2	106.8	108.7	116.0	119.9	124.9	117.2	139.3	150.9	145.0	146.7	140.3	160.6
Oil and gas extraction	111.6	113.7	114.4	113.3	112.0	118.0	124.6	121.7	133.3	146.8	131.1	116.6	121.7
Crude oil and natural gas	111.6	108.4	103.6	97.9	95.4	95.7	99.1	97.3	97.9	98.2	96.7	95.0	96.4
Oil and gas drilling	108.3	146.5	189.3	222.8	230.1	279.3	315.2	303.8	405.8	523.4	392.4	280.5	314.7
Metal mining	131.9	130.2	125.6	115.8	122.8	105.5	121.0	127.0	109.2	123.1	82.4	80.9	91.7
Iron ore	112.1	112.6	110.4	105.4	105.4	74.3	110.0	117.1	96.6	104.4	51.9	54.3	73.1
Nonferrous ores	149.6	146.0	139.2	125.1	138.4	133.3	130.8	135.7	120.4	139.8	110.0	104.5	107.6
Copper ore	179.0	179.8	167.0	147.0	167.2	158.1	155.6	165.6	134.7	173.5	130.4	121.8	124.2
Lead and zinc ores	122.1	113.9	120.2	111.0	108.5	103.3	89.8	83.9	89.0	77.0	81.7	72.4	55.7
Primary metals, manufacturing	**106.6**	**126.7**	**123.1**	**96.4**	**109.7**	**111.1**	**119.9**	**121.3**	**102.3**	**107.9**	**75.3**	**85.4**	**95.1**
Nonferrous metals	109.9	134.5	129.0	97.5	118.5	124.1	131.9	135.8	119.8	122.4	99.7	110.1	122.3
Copper	162.7	160.5	139.9	123.0	138.2	128.0	135.8	145.9	113.1	135.6	98.1	102.1	115.1
Aluminum	121.6	138.6	150.1	118.8	129.7	138.8	147.0	153.6	156.5	151.4	110.5	113.0	137.8
Iron and steel	104.7	122.3	119.8	95.8	104.8	103.8	113.2	113.2	92.4	99.8	61.7	71.5	79.8

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1236. Mineral Industries—Summary: 1972 to 1982

["N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series M1-12]

Mineral industry	1972			1977					1982									
				Establishments		All employees			Establishments [4]		All employees		Production workers [5]					
	Establishments	All employees, payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Value added in mining [2] (mil. dol.)	Total	With 20 or more employees	Number [3] (1,000)	Payroll [1] (mil. dol.)	Number (1,000)	Hours [6] (millions)	Wages (mil. dol.)	Value added in mining [2] (mil dol.)	Value of shipments and receipts [7] (mil. dol.)	Capital expenditures (mil. dol.)
All industries	**25,269**	**6,226**	**26,471**	**31,359**	**6,632**	**799**	**13,167**	**68,013**	**73,005**	**10,272**	**1,114**	**28,637**	**762**	**1,578**	**18,030**	**188,056**	**250,000**	**47,753**
Metal mining	**1,014**	**853**	**2,382**	**1,206**	**328**	**88**	**1,485**	**3,504**	**1,515**	**328**	**68**	**1,860**	**47**	**90**	**1,222**	**3,215**	**5,287**	**1,161**
Iron ores	111	218	702	97	61	19	372	1,046	78	40	12	340	7	13	201	770	1,414	63
Copper ores	181	387	1,025	133	61	33	544	1,067	81	51	22	604	16	30	429	672	1,551	423
Lead and zinc ores	101	72	200	88	41	7	105	329	71	28	4	112	3	6	71	201	318	57
Gold and silver ores	132	30	61	175	20	5	71	161	371	80	10	263	7	15	181	650	741	238
Gold ores and placers	81	20	47	126	8	3	40	78	286	59	8	188	5	10	120	479	521	205
Silver ores	51	10	14	49	12	2	32	83	85	21	3	75	2	5	61	171	220	33
Bauxite	10	4	24	12	6	(Z)	7	31	8	4	(Z)	9	(Z)	(Z)	6	15	30	5
Ferroalloy ores, except vanadium	44	40	137	56	17	6	107	256	69	16	5	150	3	6	88	146	206	110
Metal mining services	172	31	54	270	42	3	52	112	394	22	3	.61	2	4	42	90	125	27
Miscellaneous metal ores	263	71	180	375	80	14	227	502	443	87	12	323	8	17	205	671	902	240
Anthracite mining	**230**	**35**	**68**	**176**	**43**	**4**	**51**	**123**	**173**	**41**	**4**	**69**	**3**	**6**	**57**	**176**	**293**	**23**
Anthracite	213	32	63	156	38	3	48	116	152	40	3	67	3	6	56	172	287	23
Anthracite mining services	17	3	5	20	5	(Z)	4	7	21	1	(Z)	2	(Z)	(Z)	2	5	7	1
Bituminous coal, lignite mining	**3,365**	**1,742**	**3,685**	**5,275**	**1,690**	**242**	**4,120**	**11,143**	**5,005**	**1,856**	**248**	**6,736**	**198**	**380**	**5,188**	**18,455**	**28,261**	**3,199**
Bituminous coal and lignite	3,191	1,714	3,626	4,944	1,610	235	4,005	10,837	4,513	1,767	241	6,570	193	370	5,056	18,041	27,695	3,141
Coal mining services, n.e.c	174	29	60	331	80	7	115	306	492	.89	7	166	6	11	132	414	565	58
Oil and gas extraction	**14,498**	**2,525**	**17,612**	**18,447**	**3,128**	**349**	**5,902**	**48,587**	**60,511**	**6,814**	**685**	**17,693**	**434**	**939**	**10,033**	**159,937**	**207,091**	**42,216**
Crude petroleum and natural gas	7,609	1,375	14,422	8,573	981	140	2,738	38,327	27,538	1,994	264	8,084	102	214	2,725	126,035	134,969	34,281
Natural gas liquids	680	117	1,019	692	209	13	227	3,286	793	236	14	402	12	24	323	8,865	41,010	1,131
Oil and gas field services	6,209	1,033	2,172	9,182	1,938	196	2,936	6,974	32,160	4,584	406	9,207	320	701	6,985	25,037	31,112	6,804
Drilling oil and gas wells	1,907	422	881	2,625	840	79	1,317	3,307	10,123	1,810	166	4,007	139	296	3,241	11,316	13,798	4,206
Oil and gas exploration services	715	89	212	1,252	116	18	220	545	4,228	389	42	810	33	73	622	2,307	2,960	391
Oil and gas field services, n.e.c	3,587	522	1,079	5,305	982	99	1,399	3,122	17,809	2,385	199	4,391	148	332	3,123	11,415	14,354	2,207
Nonmetallic minerals mining	**6,162**	**1,070**	**2,723**	**6,255**	**1,443**	**117**	**1,609**	**4,656**	**5,801**	**1,233**	**110**	**2,278**	**80**	**164**	**1,530**	**6,273**	**9,068**	**1,154**
Dimension stone [8]	198	13	26	209	23	2	19	39	154	22	2	21	1	2	16	50	64	3
Crushed and broken stone [9]	1,937	388	982	2,055	655	41	543	1,501	1,932	567	37	701	28	57	494	1,787	2,572	269
Sand and gravel [9]	2,929	322	776	2,807	430	31	418	1,017	2,758	343	28	520	21	42	380	1,336	1,877	211
Clay and related minerals [9]	309	78	198	255	103	10	136	358	224	97	11	212	8	16	139	510	887	107
Chemical and fertilizer minerals	204	203	583	205	112	24	372	1,433	196	114	26	681	16	35	395	2,237	3,135	519
Nonmetallic minerals, services	126	11	20	176	33	2	36	70	222	18	2	35	1	3	26	70	101	7
Miscellaneous [9]	459	55	138	548	87	7	87	238	315	72	6	109	5	10	81	283	433	37

Z Less than 500 or 500,000. [1] Gross earnings paid to all employees on payroll. [2] Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. [3] Excludes proprietors and firm members of unincorporated concerns. [4] Not comparable to prior years for the crude petroleum and natural gas and mining service industries. [5] Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. [6] Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). [7] Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis. [8] Excludes data for dimension stone quarries operated in conjunction with dressing plants. [9] Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1972, 1977,* and *1982,* final industry series reports.

No. 1237. Mineral Production and Value, 1970 to 1983,

[Data represent production as measured by mine shipments, mine sales, or marketable production

	MINERAL	Unit	1970	1975	1979	1980	1981	1982	1983
		PRODUCTION QUANTITY							
1	**Total mineral production**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
2	**Mineral fuels**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite	Mil. sh. ton	603	648	776	824	818	834	778
4	Pennsylvania anthracite	Mil. sh. ton	10	6	5	6	5	5	4
5	Natural gas (wet)	Tril. cu. ft.	21.92	20.11	20.47	20.18	19.96	18.52	16.82
6	Petroleum (crude)	Mil. bbl. [1]	3,517	3,057	3,121	3,146	3,129	3,157	3,171
7	Uranium [2]	Mil. lb	23.1	23.2	37.5	43.7	38.5	26.9	21.2
8	**Nonmetallic minerals**	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone [3]	Sh. ton	3,055	2,953	2,094	631	2,501	1,285	1,101
10	Asbestos	1,000 sh. ton	125	99	103	88	83	70	77
11	Asphalt and related bitumens (native) [4]	1,000 sh. ton	1,981	1,902	1,614	1,252	1,261	(D)	(D)
12	Barite	1,000 sh. ton	854	1,318	2,113	2,245	2,849	1,845	754
13	Boron minerals	1,000 sh. ton	1,041	1,172	1,590	1,545	1,481	1,234	1,303
14	Bromine	Mil. lb	350	407	497	378	377	401	370
15	Calcium chloride	1,000 sh. ton	633	594	720	581	705	617	(D)
16	Carbon dioxide, natural (estimate)	Mil. cu. ft.	1,110	1,070	2,028	1,628	1,577	2,068	-
17	Cement: Portland	Mil. sh. ton	73.2	65.2	79.0	71.6	68.2	61.1	67.2
18	Masonry	Mil. sh. ton	3.0	2.9	3.7	3.0	2.7	2.4	2.9
19	Clays	Mil. sh. ton	54.9	49.0	54.7	48.8	44.4	35.3	40.9
20	Diatomite	1,000 sh. ton	598	573	717	689	687	613	619
21	Emery	1,000 sh. ton	(D)	3.5	10.0	(D)	(D)	(D)	(D)
22	Feldspar	1,000 sh. ton	726	670	740	710	665	615	710
23	Fluorspar	1,000 sh. ton	269	140	109	93	115	77	81
24	Garnet (abrasive)	1,000 sh. ton	18.8	17.2	21.2	26.9	25.5	27.3	29.8
25	Gem stones (estimate)	(X)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
26	Gypsum	Mil. sh. ton	9.4	9.8	14.6	12.4	11.5	10.5	12.9
27	Helium [6]	Mil. cu. ft.	4,600	1,079	1,617	1,458	1,398	1,248	1,299
28	Lime	Mil. sh. ton	19.7	19.1	20.9	19.0	18.9	14.1	14.9
29	Magnesium compounds [7]	1,000 sh. ton	708	(D)	(D)	(D)	(D)	(D)	556
30	Mica: Scrap	1,000 sh. ton	119	135	134	116	133	106	140
31	Sheet	1,000 lb	-	5.0	-	-	-	-	-
32	Peat	1,000 sh. ton	526	746	798	788	757	769	725
33	Perlite	1,000 sh. ton	456	512	660	638	591	506	474
34	Phosphate rock	Mil. sh. ton	38.7	48.8	56.9	60.0	59.1	41.2	46.9
35	Potash [8]	1,000 sh. ton	2,729	2,094	2,632	2,444	2,103	1,967	1,868
36	Pumice	1,000 sh. ton	3,036	3,892	1,172	543	499	416	449
37	Pyrites	1,000 lg. ton	(D)	625	1,032	834	784	665	(D)
38	Salt (common)	Mil. sh. ton	45.9	41.0	45.8	40.4	38.9	37.9	34.6
39	Sand and gravel	Mil. sh. ton	944	789	979	793	720	621	682
40	Sodium carbonate (natural)	1,000 sh. ton	2,688	4,328	(D)	(D)	(D)	(D)	(D)
41	Sodium sulfate (natural)	1,000 sh. ton	602	667	533	583	608	(D)	423
42	Stone [9]	Mil. sh. ton	869	901	1,101	982	874	791	863
43	Sulfur: Frasch mines (shipments)	1,000 lg. ton	6,504	6,077	7,388	7,283	5,817	3,541	4,046
44	Talc, soapstone, pyrophyllite	1,000 sh. ton	1,028	965	1,453	1,473	1,343	1,135	1,066
45	Tripoli	1,000 sh. ton	68	81	116	121	107	113	111
46	Vermiculite	1,000 sh. ton	285	330	346	337	320	316	282
47	Nonmetallic minerals, undistributed [10]	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
48	**Metals**	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
49	Antimony ore and concentrate	Sh. ton [11]	1,130	886	722	343	646	503	836
50	Bauxite (dried)	1,000 lg. ton [12]	2,082	1,772	1,792	1,534	1,486	720	668
51	Copper [2]	1,000 sh. ton	1,720	1,413	1,591	1,302	1,696	1,264	1,144
52	Gold [2]	1,000 fine oz	1,743	1,052	964	970	1,379	1,466	1,956
53	Iron ore, usable [14]	Mil. lg. ton [15]	87.2	75.7	86.1	69.6	72.2	35.8	44.6
54	Lead [2]	1,000 sh. ton	572	621	579	607	491	565	495
55	Manganiferous ore [16]	1,000 sh. ton [16]	368	159	241	174	175	32	34
56	Mercury	76 lb. flask	27,296	7,366	29,519	30,657	27,904	25,760	25,070
57	Molybdenum [17]	Mil. lb	110	105	144	149	119	76	49
58	Nickel [18]	1,000 sh. ton	15.9	17.0	15.1	14.7	12.1	3.2	-
59	Silver [2]	Mil. fine oz	45.0	34.9	37.9	32.3	40.7	40.2	43.4
60	Titanium concentrate: Ilmenite [2]	1,000 sh. ton [15]	921	702	646	594	524	233	(D)
61	Tungsten ore and concentrate	1,000 lb. [19]	9,312	5,490	6,646	6,036	7,815	3,473	2,240
62	Vanadium [2]	Sh. ton	5,319	4,743	5,520	4,806	5,126	4,098	2,171
63	Zinc mine production [2]	1,000 sh. ton	534	469	295	350	344	334	303
64	Metals, undistributed [10]	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. [1] 42 gal. bbl. [2] Recoverable content of ores, etc. [3] Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. [4] Contains bituminous limestone and sandstone, and gilsonite. [5] Value included in "Nonmetallic minerals, undistributed." [6] 1970–1981, crude and refined; 1982–1983, refined only. [7] From sea water and brines, except for metals (M_gO equiv.).
[8] K_2O equivalent; represents sales by producers. [9] Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

AND PRINCIPAL PRODUCING STATES, 1983

(including consumption by producers). See *Historical Statistics, Colonial Times to 1970,* series M 13-37 for selected values]

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1983	
1970	1975	1979	1980	1981	1982	1983		
28,369.7	**59,906.9**	**106,893.0**	**146,750.0**	**187,187.0**	**179,070.0**	**168,778.0**	(x)	1
18,800.0	45,422.0	82,919.0	121,616.0	161,899.0	159,395.0	147,644.0	(x)	2
3,770.0	12,470.0	18,360.0	20,200.0	21,510.0	22,620.0	19,960.0	KY, WV, WY, PA, IL.	3
110.0	200.0	200.0	260.0	240.0	230.0	214.0	PA.	4
3,730.0	9,050.0	24,160.0	32,090.0	39,510.0	45,560.0	43,614.0	TX, LA, OK, NM.	5
11,190.0	23,450.0	39,450.0	67,930.0	99,400.0	90,030.0	83,048.0	TX, AK, LA, CA.	6
(NA)	252.0	749.0	1,136.0	1,239.0	955.0	808.0	NM, WY, TX.	7
5,791.2	**9,570.0**	**15,438.0**	**16,213.0**	**16,446.0**	**14,158.0**	**15,268.0**	(x)	8
.6	1.1	2.1	1.9	1.1	.6	.5	AR, WI, OH.	9
10.7	14.2	28.9	30.6	30.7	24.9	27.9	CA and VT.	10
8.9	17.8	25.6	25.0	27.7	(D)	([5])	UT.	11
12.8	21.2	53.6	66.0	102.4	69.5	29.2	NV, GA, MO, MT.	12
86.8	158.8	310.2	366.8	435.4	384.6	439.2	CA.	13
60.6	113.1	114.5	95.4	90.2	102.6	91.0	AR and MI.	14
15.2	29.0	51.9	47.9	61.7	61.5	([5])	MI and CA.	15
.2	.3	3.2	2.6	2.6	3.4	–	–	16
1,268.7	2,015.6	3,650.4	3,613.3	3,515.6	3,084.4	3,315.7	TX, CA, PA, MI.	17
67.5	111.8	204.8	188.5	161.8	145.2	186.2		18
267.9	424.6	846.1	898.9	988.8	825.1	931.1	GA, TX, WY, NC.	19
32.6	45.8	90.3	100.6	113.0	107.6	114.3	CA, NV, WA, OR.	20
([5])	([5])	.2	([5])	([5])	([5])	([5])	NY.	21
9.6	11.7	21.5	23.2	21.0	20.3	22.5	NC, CT, GA, CA.	22
13.9	10.9	12.2	12.6	18.4	13.3	10.0	IL, NV, TX.	23
1.9	1.7	1.5	1.9	2.1	2.3	2.5	ID, ME, NY.	24
2.4	13.9	8.2	6.9	7.6	7.2	7.4	(x)	25
35.1	44.7	99.9	103.1	98.1	89.1	101.1	TX, IA, OK, CA.	26
64.2	23.9	31.3	30.2	33.9	42.4	45.5	KS, TX, NM.	27
286.2	523.8	862.5	842.9	884.2	696.2	757.6	OH, PA, MO, KY.	28
62.4	([5])	([5])	([5])	([5])	([5])	145.1	MI, CA, FL, TX.	29
2.5	5.2	7.7	6.3	8.2	6.4	6.5	NC, SD, NM, SC.	30
–	(Z)	–	–	–	–	–	–	31
6.0	12.3	15.5	16.2	18.8	16.9	18.7	MI, FL, IN, IL.	32
4.9	7.3	16.4	16.5	17.5	16.0	15.7	NM, AZ, CA, NV.	33
203.2	1,122.2	1,045.7	1,256.9	1,438.0	950.3	1,020.1	FL, ID, NC, TN.	34
98.1	223.1	279.2	353.9	328.9	265.6	220.8	NM, UT, CA.	35
4.7	11.2	4.9	4.3	4.3	3.8	4.5	OR, NM, CA, ID.	36
([5])	4.8	17.1	13.8	49.2	41.9	([5])	TN and AZ.	37
304.8	368.1	536.4	656.2	637.6	671.4	597.1	LA, TX, NY, OH.	38
1,115.7	1,416.3	2,427.0	2,289.0	2,260.3	1,997.8	2,270.2	CA, TX, AK, OH.	39
56.3	182.6	([5])	([5])	([5])	([5])	([5])	WY and CA.	40
10.9	27.7	29.7	36.4	43.2	([5])	39.4	CA, TX, UT.	41
1,474.9	2,120.3	3,398.7	3,393.5	3,275.4	3,063.4	3,486.5	TX, FL, PA, IL.	42
151.8	304.8	449.4	720.5	715.7	434.7	445.1	TX and LA.	43
7.8	8.9	20.4	25.6	31.5	20.7	20.3	TX, VT, MT, NY.	44
.5	.6	6.3	.7	.6	.7	.7	IL, OK, AR.	45
6.5	13.8	22.0	23.5	26.2	28.5	27.5	MT, SC, VA.	46
34.4	157.2	740.3	941.2	994.1	959.3	868.1	(x)	47
3,778.5	**4,914.9**	**8,536.0**	**8,921.0**	**8,842.0**	**5,517.0**	**5,866.0**	(x)	48
([12])	2.1	([12])	([12])	([12])	([12])	([12])	ID and MT.	49
30.1	25.1	24.9	22.4	26.5	12.3	11.3	AR, AL, GA.	50
1,984.5	1,814.8	2,960.7	2,666.9	2,886.4	1,840.9	1,751.5	AZ, UT, NM, MT.	51
63.4	169.9	296.6	594.1	633.9	551.0	829.9	NV, SD, UT, MT.	52
941.7	1,620.6	2,814.0	2,543.5	2,914.7	1,491.7	1,945.0	MN, MI, WY, MD.	53
178.6	267.2	609.9	515.2	358.8	288.6	214.6	MO, ID, CO, NY.	54
([12])	1.4	2.9	2.4	2.9	.3	.2	SC and MT.	55
11.1	1.2	8.3	11.9	11.5	([12])	([12])	NV.	56
190.1	259.3	871.1	1,344.2	945.5	504.1	166.6	AZ, CO, MT. UT.	57
([12])	([12])	([12])	([12])	([12])	([12])	–	–	58
79.7	154.4	420.3	667.3	427.9	320.0	496.7	ID, MT, NV, UT.	59
18.6	26.9	33.0	32.0	37.0	19.1	([12])	FL and NY.	60
23.8	29.1	55.8	50.6	62.2	22.1	10.5	CA, CO, ID.	61
34.9	49.3	73.9	64.4	71.5	52.6	30.7	CO, UT, ID.	62
163.7	366.1	219.8	261.7	306.9	257.1	251.2	TN, MO, NY, CO.	63
58.4	127.5	145.0	144.8	156.2	157.6	163.5	(x)	64

[10] Comprises value of items that cannot be disclosed. [11] Antimony content. [12] Included with "Metals, undistributed." [13] Dried equivalent. [14] Represents shipments; beginning 1976, includes byproduct ores. [15] Gross weight. [16] 5 to 35 percent manganiferous ore. [17] Content of concentrate. [18] Content of ore and concentrate. [19] Tungsten content.

Source: U.S. Bureau of Mines, *Minerals Yearbook,* and beginning 1979 for mineral fuels, U.S. Energy Information Administration, *Annual Energy Review.*

No. 1238. Mineral Industries—States: 1972 to 1982

[Represents establishments classified in the mineral industries only. Excludes data for stone, sand and gravel, clay and gypsum mines operated as parts of manufacturing establishments. See headnote, table 1236. For composition of regions, see fig. I inside front cover]

Region, division, and state	1972		1977		1982				
	All employees (1,000)	Value added in mining (mil. dol.)	All employees (1,000)	Value added in mining (mil. dol.)	Establishments: Total	Establishments: With 20 employees or more	All employees: Number (1,000)	All employees: Payroll (mil. dol.)	Value added in mining (mil. dol.)
U.S.[1]	**595.1**	**26,471**	**798.8**	**68,013**	**73,005**	**10,272**	**1,114.0**	**28,637**	**188,056**
Region:									
Northeast	56.7	1,155	65.6	2,576	3,004	550	63.6	1,606	3,639
Midwest	97.6	2,983	117.1	6,545	12,583	1,151	135.3	3,405	14,352
South	320.3	17,117	449.3	45,061	45,577	6,591	681.3	17,105	119,231
West	120.4	5,215	163.6	13,588	11,760	1,938	228.4	6,367	48,028
N. Eng	**3.8**	**76**	**3.8**	**99**	**336**	**55**	**4.4**	**119**	**168**
ME	.3	6	.3	5	28	1	.1	2	5
NH	.2	6	.2	8	28	3	.3	7	17
VT	.8	14	.7	25	46	12	.8	15	36
MA	1.5	28	1.3	32	118	13	1.1	25	54
RI	.3	4	.1	5	20	2	.2	3	7
CT	.7	18	1.2	24	96	24	1.9	68	47
Mid. Atl	**52.9**	**1,079**	**61.8**	**2,477**	**2,668**	**495**	**59.2**	**1,487**	**3,472**
NY	7.7	154	7.1	218	598	70	7.8	205	415
NJ	3.3	78	3.0	93	165	40	3.4	102	120
PA	41.9	847	51.7	2,166	1,905	385	48.0	1,180	2,937
E. No. Cent	**60.8**	**1,592**	**75.7**	**3,762**	**5,738**	**667**	**83.1**	**2,137**	**7,675**
OH	20.1	465	27.6	1,181	2,196	255	28.9	708	2,825
IN	6.3	211	8.4	392	711	98	10.3	269	786
IL	20.5	546	25.8	1,163	1,682	199	31.3	845	2,544
MI	11.4	306	11.3	939	941	91	10.7	277	1,935
WI	2.5	64	2.6	87	208	24	1.9	38	86
W. No. Cent	**36.8**	**1,391**	**41.4**	**2,783**	**6,845**	**484**	**52.2**	**1,268**	**6,677**
MN	11.7	498	11.5	699	170	35	9.2	248	599
IA	2.5	53	2.9	88	216	26	2.1	38	104
MO	8.9	218	8.1	396	394	65	7.9	198	418
ND	1.5	84	2.5	325	1,037	103	8.5	226	1,999
SD	1.8	32	2.4	68	143	9	2.3	50	116
NE	1.5	40	1.8	73	434	24	2.3	47	248
KS	8.9	466	12.2	1,134	4,451	222	19.9	461	3,196
So. Atl	**92.4**	**2,174**	**117.6**	**5,406**	**4,039**	**1,049**	**113.9**	**2,727**	**8,987**
DE					34	3	.2	6	2
DC	2.2	58	2.3	79					
MD					141	30	2.6	59	167
VA	16.8	360	23.2	1,016	916	279	24.4	533	1,467
WV	53.0	1,195	69.6	2,820	2,104	502	63.1	1,680	4,790
NC	3.3	71	3.7	111	179	60	4.0	68	198
SC	1.5	34	1.5	47	79	26	1.5	24	72
GA	6.6	158	7.4	294	210	73	7.6	142	430
FL	9.0	298	9.9	1,039	376	76	10.5	216	1,860
E. So. Cent	**51.9**	**1,428**	**77.0**	**4,187**	**4,664**	**877**	**88.7**	**2,146**	**8,385**
KY	30.2	780	47.8	2,515	2,139	530	54.2	1,372	4,142
TN	7.3	152	9.1	378	555	117	9.0	186	498
AL	8.8	264	14.1	787	596	115	15.9	375	1,980
MS	5.6	232	6.0	507	1,374	115	9.6	213	1,765
W. So. Cent	**176.0**	**13,515**	**254.7**	**35,468**	**36,874**	**4,665**	**478.7**	**12,232**	**101,859**
AR	3.7	142	4.7	395	862	58	5.4	115	1,015
LA	49.6	5,529	63.1	11,981	5,606	974	102.4	2,694	33,117
OK	26.9	1,133	43.5	3,418	9,144	1,065	104.1	2,667	13,274
TX	95.8	6,711	143.4	19,674	21,262	2,568	266.8	6,756	54,453
Mt	**85.3**	**3,367**	**119.9**	**8,668**	**8,858**	**1,315**	**158.9**	**4,269**	**21,859**
MT	5.6	189	5.9	560	1,148	87	8.5	214	1,695
ID	2.8	51	3.3	144	191	30	3.1	67	200
WY	11.5	679	22.7	2,282	2,101	323	34.2	940	6,859
CO	13.5	409	22.7	1,179	2,424	399	45.8	1,320	3,098
NM	16.2	958	23.5	2,689	1,581	248	26.6	660	7,127
AZ	21.1	625	21.0	751	291	54	16.6	427	748
UT	11.4	372	16.7	911	788	121	17.5	467	1,665
NV	3.2	104	4.1	152	334	53	6.6	155	468
Pac	**35.1**	**1,848**	**43.7**	**4,920**	**2,902**	**623**	**69.5**	**2,099**	**26,169**
WA	1.9	46	2.0	85	242	21	2.8	67	162
OR	1.3	38	1.3	59	216	19	1.8	37	60
CA	29.0	1,401	34.8	3,552	2,196	491	51.3	1,466	11,844
AK	2.6	354	5.5	1,216	236	88	13.4	525	14,093
HI	.3	9	.1	8	12	4	.2	4	10

[1] Includes offshore areas not associated with a State.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1977, General Summary, MIC 77-SR-1* and *1982* final geographic area series.

No. 1239. Mineral Production—Value, 1975 to 1983, and Principal Minerals in Order of Value, 1983, by State

[In millions of dollars. Data for States may not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. I, inside front cover]

Region, division, and State	1975	1980	1981	1982	1983 Total	1983 Fuels	1983 Non-fuels	1983 Principal minerals in order of value
U.S.	**59,907**	**147,021**	**187,126**	**179,070**	**168,778**	**147,644**	**21,134**	Petroleum, natural gas (wet), coal.
Region:								
Northeast	3,611	4,710	4,869	4,697	4,476	2,917	1,559	(x)
Midwest	8,216	16,286	18,622	16,883	17,128	11,692	5,436	(x)
South	38,473	78,072	108,397	109,004	(D)	(D)	6,921	(x)
West	11,963	39,262	(D)	47,339	(D)	(D)	7,213	(x)
N.E.	**181**	**268**	**279**	**258**	**252**	-	**262**	(x)
ME	37	37	43	35	26	-	26	Sand and gravel, cement, stone.
NH	17	25	23	23	19	-	19	Sand and gravel, stone, clays.
VT	29	43	54	50	42	-	42	Stone, asbestos, sand and gravel.
MA	59	91	95	89	96	-	96	Stone, sand and gravel, lime.
RI	6	6	5	5	8	-	8	Stone, sand and gravel, gem stones.
CT	33	66	59	56	71	-	71	Stone, sand and gravel, feldspar.
M.A.	**3,430**	**4,442**	**4,590**	**4,441**	**4,214**	**2,917**	**1,297**	(x)
NY	398	557	555	589	603	96	507	Stone, cement, salt.
NJ	124	149	149	132	155	-	155	Stone, sand and gravel, zinc.
PA	2,908	3,736	3,886	3,720	3,456	2,821	635	Coal, natural gas, cement.
E.N.C.	**4,813**	**9,005**	**9,538**	**9,268**	**9,145**	**6,746**	**2,399**	(x)
OH	1,356	2,390	2,439	2,444	2,511	2,032	479	Coal, natural gas, petroleum.
IN	542	1,106	1,103	1,174	1,187	936	251	Coal, petroleum, stone.
IL	1,491	2,770	2,790	3,009	2,929	2,522	407	Coal, petroleum, stone.
MI	1,292	2,587	3,054	2,529	2,417	1,256	1,161	Petroleum, iron ore, natural gas.
WI	132	152	152	112	101	-	101	Stone, sand and gravel, lime.
W.N.C.	**3,403**	**7,281**	**9,084**	**7,609**	**7,983**	**4,946**	**3,037**	(x)
MN	1,097	1,782	2,155	1,110	1,455	-	1,455	Iron ore, sand and gravel, stone.
IA	196	265	247	231	257	10	247	Stone, cement, sand and gravel.
MO	723	1,172	1,000	877	866	140	726	Lead, cement, stone.
ND	202	801	1,882	1,807	1,842	1,817	25	Petroleum, coal, natural gas.
SD	102	250	233	180	261	39	222	Gold, cement, petroleum.
NE	112	272	322	293	283	188	95	Petroleum, cement, stone.
KS	971	2,740	3,245	3,111	3,019	2,752	267	Petroleum, natural gas, cement.
S.A.	**7,191**	**10,528**	**11,496**	**10,718**	(D)	(D)	**3,350**	(x)
DE	2	2	3	3	3	-	3	Magnesium compounds, sand and gravel, clays.
MD	165	293	313	294	285	86	199	Coal, stone, cement.
VA	1,262	1,708	1,766	1,640	1,405	1,116	289	Coal, stone, cement.
WV	3,390	4,860	4,992	5,490	4,677	4,573	104	Coal, natural gas, petroleum.
NC	153	380	373	299	399	-	399	Stone, phosphate, lithium.
SC	115	195	206	195	231	-	231	Cement, stone, clays.
GA	333	771	801	718	(D)	(D)	850	Clays, stone, cement.
FL	1,771	2,317	3,042	2,079	1,704	429	1,275	Phosphate petroleum, stone.
E.S.C.	**4,541**	**8,316**	**10,155**	**9,692**	**8,759**	**7,676**	**1,083**	(x)
KY	2,739	4,498	5,142	5,029	4,310	4,085	225	Coal, petroleum, stone.
TN	423	674	771	638	639	232	407	Coal, stone, zinc.
AL	969	1,994	2,442	2,338	2,306	1,945	361	Coal, petroleum, natural gas.
MS	410	1,150	1,800	1,687	1,504	1,414	90	Petroleum, natural gas, sand & gravel.
W.S.C.	**26,741**	**59,226**	**90,283**	**86,594**	(D)	(D)	**2,488**	(x)
AR	436	787	1,089	1,089	(D)	(D)	246	Petroleum, natural gas, bromine.
LA	8,513	16,396	30,673	31,364	29,063	28,616	447	Petroleum, natural gas, sulfur.
OK	2,267	7,336	9,719	10,762	9,942	9,716	226	Natural gas, petroleum, coal.
TX	15,525	34,710	48,802	45,379	42,515	40,946	1,569	Petroleum, natural gas, cement.
Mt.	**8,014**	**18,862**	**24,166**	(D)	(D)	(D)	**4,977**	(x)
MT	573	1,331	1,908	1,732	1,671	1,378	293	Petroleum, coal, natural gas.
ID	234	522	425	300	415	-	415	Silver, phosphate, gold.
WY	1,644	5,133	7,372	6,885	6,677	6,047	630	Petroleum, coal, natural gas.
CO	958	2,544	2,867	2,676	2,117	1,779	338	Petroleum, natural gas, coal.
NM	2,092	4,789	6,403	5,517	5,487	4,970	517	Natural gas, petroleum, coal.
AZ	1,288	2,476	2,563	(D)	(D)	(D)	1,511	Natural gas, petroleum, coal.
UT	966	1,661	2,104	2,090	2,035	1,378	657	Petroleum, coal, copper.
NV	259	408	524	547	629	13	616	Gold, silver, diatomite.
Pac.	**3,949**	**20,400**	(D)	(D)	(D)	(D)	**2,236**	(x)
WA	159	207	(D)	(D)	(D)	(D)	187	Cement, sand and gravel, stone.
OR	106	152	140	108	111	-	111	Stone, sand and gravel, cement.
CA	3,153	10,483	13,238	12,626	11,979	10,215	1,764	Petroleum, natural gas, cement.
AK	481	9,498	14,357	(D)	(D)	(D)	122	Petroleum, natural gas, sand and gravel.
HI	50	60	57	47	52	-	52	Stone, cement, sand and gravel.

- Represents zero. D Withheld to avoid disclosing individual company data. X Not applicable.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

No. 1240. Mineral Industries—Gross Assets and Capital Expenditures: 1967 to 1982

[In millions of dollars]

Industry and year	End of year gross value of depreciable assets: Total [1]	Buildings and other structures	Machinery and equipment	Mineral exploration and development [1]	Mineral land and rights [1]	Capital expenditures: Total [2]	New buildings and other structures	New machinery and equipment	Used buildings and other structures	Used machinery and equipment	Mineral exploration and development [2]
Mineral industries: [3]											
1967	13,621	3,349	8,900	1,373		1,516	387	913	87		129
1972	21,690	4,244	15,038	2,409		2,802	317	1,407	128		230
1977	44,664	6,099	33,068	2,625	2,871	6,802	785	5,068	30	399	520
1982	94,613	10,228	73,419	5,036	5,930	13,472	1,229	10,551	78	937	677
Crude petroleum, natural gas:											
1967	36,971	(NA)	(NA)	(NA)	(NA)	2,542	365	759	45		1,372
1972	47,500	(NA)	(NA)	(NA)	(NA)	2,954	403	842	44		1,666
1977	94,414	(NA)	(NA)	(NA)	(NA)	10,916	571	2,269	14	93	7,989
1982	233,052	(NA)	(NA)	(NA)	(NA)	34,281	1,967	5,550	20	215	26,529

NA Not available. [1] Excludes data for mineral exploration and development, and mineral land and rights portions for mining service industries and natural gas liquids industry. [2] Excludes data for mineral exploration and development portion for mining service industries and natural gas liquids industry. [3] Excludes crude petroleum and natural gas.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1982.*

No. 1241. Mineral Industries—Employment, Hours, and Earnings: 1981 to 1984

Item	Unit	1981	1982	1983	1984
All mining:					
All employees	1,000	1,139	1,128	952	974
Production workers	1,000	841	821	673	693
Avg. weekly earnings	Dol	439	460	479	504
Avg. hourly earnings	Dol	10.04	10.77	11.28	11.63
Avg. weekly hours	No	43.7	42.7	42.5	43.3
Coal mining:					
All employees	1,000	245	237	194	197
Production workers	1,000	186	194	156	160
Avg. weekly earnings	Dol	482	506	548	603
Avg. hourly earnings	Dol	11.89	12.66	13.72	14.80
Average weekly hours	No	40.5	40.0	40.0	40.8
Oil and gas extraction:					
All employees	1,000	692	708	598	613
Production workers	1,000	486	491	398	409
Avg. weekly earnings	Dol	433	453	465	476
Oil and gas extraction—Con.					
Production workers—Con.					
Avg. hourly earnings	Dol	9.50	10.25	10.67	10.72
Average weekly hours	No.	45.6	44.2	43.6	44.4
Metal mining:					
All employees	1,000	104	73	56	56
Production workers	1,000	78	53	41	41
Avg. weekly earnings	Dol	468	484	494	530
Avg. hourly earnings	Dol	11.55	12.31	12.58	13.05
Average weekly hours	No	40.5	39.3	39.3	40.6
Nonmetallic minerals, except fuels:					
All employees	1,000	119	110	104	109
Production workers	1,000	91	83	79	83
Avg. weekly earnings	Dol	356	360	406	441
Avg. hourly earnings	Dol	8.28	8.90	9.31	9.86
Average weekly hours	No	43.0	42.7	43.6	44.7

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909–1984,* and *Supplement to Employment and Earnings, Revised Establishment Data,* June 1985.

No. 1242. Selected Mineral Products—Average Prices: 1965 to 1984

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970,* series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

Year	Tantalum (dol. per lb.) [1]	Copper, electrolytic [2] (cents per lb.)	Platinum [3] (dol./troy oz.)	Gold (dol./fine oz.)	Silver (dol./fine oz.)	Lead [4] (cents per lb.)	Tin (New York) [5] (cents per lb.)	Zinc [6] (cents per lb.)	Sulfur, crude [7] (dol./long ton)	Bituminous coal [8] (dol./short ton)	Crude petroleum [8] (dol./bbl.)	Natural gas [8] (dol./thous. cu. ft.)
1965	10.26	35.4	100	35	1.29	16.0	178.2	14.5	22.12	4.44	2.86	.16
1970	9.15	58.2	133	36	1.77	15.7	174.2	15.3	22.77	6.26	3.18	.17
1971	8.26	52.0	121	41	1.55	13.9	167.3	16.1	17.19	7.07	3.39	.18
1972	8.09	51.2	121	59	1.69	15.0	177.5	17.8	16.76	7.66	3.39	.19
1973	8.00	59.5	150	98	2.56	16.3	227.6	20.7	17.56	8.53	3.89	.22
1974	14.13	77.3	181	160	4.71	22.5	396.3	36.0	28.42	15.75	6.87	.30
1975	18.32	64.2	164	161	4.42	21.5	339.8	39.0	44.91	19.23	7.67	.45
1976	20.31	69.6	162	125	4.35	23.1	379.8	37.1	45.72	19.43	8.19	.58
1977	25.64	66.8	162	148	4.62	30.7	534.6	34.4	44.38	19.82	8.57	.79
1978	34.19	66.5	237	194	5.40	33.7	629.6	31.0	[9] 45.17	21.78	9.00	.91
1979	80.00	93.3	352	308	11.09	52.6	753.9	37.3	[9] 55.75	23.65	12.64	1.18
1980	103.50	101.3	439	613	20.63	42.5	846.0	37.4	[9] 69.06	24.52	21.59	1.59
1981	81.50	84.2	475	460	10.52	36.5	733.0	44.6	[9] 111.48	26.29	31.77	1.98
1982	40.91	72.8	475	376	7.95	25.5	654.0	38.5	[9] 108.27	27.14	28.52	2.46
1983	25.06	76.5	475	424	11.44	21.7	655.0	41.4	[9] 87.24	25.85	26.19	2.59
1984	30.70	68.2	475	361	8.14	25.6	623.8	48.6	[9] 94.31	27.00	25.88	2.60

NA Not available. [1] Dollars per pound of tantalum content. [2] Domestic market. [3] Average annual producer prices. [4] 1965–1971, New York prices; beginning 1972, nationwide delivered basis. [5] Straits tin through 1975; thereafter, composite price. [6] Prime western. Beginning 1971, delivered price. [7] F.O.B. works. [8] Average value at the point of production. Source: U.S. Energy Information Administration, *Annual Energy Review* and *Monthly Energy Review.* [9] Per metric ton.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Facts and Problems,* 1980 edition, and *Mineral Commodity Summaries,* annual.

No. 1243. Principal Fuels, Nonmetals, and Metals—U.S. Production as Percent of World Production: 1970 to 1983

Mineral	Unit	World production 1970	1975	1980	1981	1982	1983, prel.	Percent U.S. of world 1970	1975	1980	1981	1982	1983, prel.
Fuels: [1]													
Coal	Bil. sh. ton	3.3	3.7	4.2	4.2	4.4	4.4	16	18	20	19	19	18
Petroleum (crude)	Bil. bbl	16.7	19.3	21.8	20.4	19.4	19.3	21	16	14	15	16	16
Natural gas (dry, marketable)	Tril. cu. ft	37.7	44.1	53.3	54.7	54.2	54.5	58	43	36	35	33	29
Natural gas plant liquids	Bil. bbl	(NA)	1.1	1.3	1.4	1.4	1.4	(NA)	57	44	42	41	40
Nonmetals:													
Asbestos	Mil. metric ton	3.5	4.1	4.7	4.3	4.1	4.2	3	2	2	2	2	2
Barite	Mil. sh. ton	4.3	5.4	8.3	9.0	8.3	6.3	20	25	27	31	22	12
Feldspar	Mil. sh. ton	2.8	2.9	3.5	3.6	3.7	3.8	26	23	20	19	16	18
Fluorspar	Mil. sh. ton	4.6	5.0	5.3	5.3	4.7	4.7	4	3	2	2	2	1
Gypsum	Mil. sh. ton	56.9	65.3	86.5	83.9	79.0	85.8	17	15	14	14	13	15
Mica (incl. scrap)	1,000 sh. ton	180	250	251	263	237	267	66	54	46	51	45	52
Nitrogen, agricultural [2]	Mil. sh. ton	33.4	46.7	81.4	84.5	83.6	85.4	25	20	20	19	16	13
Phosphate rock	Mil. metric ton	84.9	107.5	139.2	138.2	122.2	135.0	41	41	39	39	31	32
Potash (K_2O equiv.)	Mil. metric ton	18.2	24.7	27.9	27.1	24.7	26.7	14	9	8	8	7	5
Sulfur, elemental	Mil. metric ton	41.9	50.7	54.9	53.4	50.8	50.5	23	23	22	23	19	18
Metals, mine basis:													
Bauxite	Mil. metric ton	67.8	74.8	89.2	85.5	77.8	76.0	4	2	2	2	1	1
Columbian-tantalum concentrates (gross weight)	Mil. lb	45.1	44.1	80.7	78.4	56.3	45.8	–	–	(NA)	(NA)	(NA)	–
Copper [3]	Mil. metric ton	6.0	7.0	7.7	8.2	8.1	8.0	26	18	15	19	14	13
Gold	Mil. troy oz	47.5	38.5	39.2	41.2	43.1	44.5	4	3	2	3	3	4
Iron ore	Mil. lg. ton	754	902	877	842	769	730	12	9	8	9	5	5
Lead [3]	Mil. metric ton	3.4	3.4	3.4	3.3	3.4	3.3	15	16	16	13	15	14
Mercury	1,000 flask [4]	284	252	197	211	198	188	10	3	16	13	13	13
Molybdenum [3]	Mil. lb	181	177	242	241	207	138	61	60	62	58	41	25
Nickel [5]	1,000 sh. ton	693	868	858	803	705	759	2	2	2	2	(z)	–
Silver	Mil. troy oz	301	298	344	362	384	391	15	12	9	11	10	11
Titanium concentrates:													
Ilmenite	Mil. sh. ton	[5] 4.0	3.2	4.1	4.0	3.3	2.9	23	22	14	13	8	(NA)
Tungsten	Mil. lb	71.4	84.5	114.4	108.0	99.9	85.7	13	7	5	7	3	3
Uranium oxide (U_3O_8) [5]	1,000 sh. ton	24	27	(NA)	(NA)	(NA)	(NA)	53	43	(NA)	(NA)	(NA)	(NA)
Vanadium [3]	1,000 sh. ton	19.9	23.2	38.3	38.8	35.9	30.1	26	20	13	13	11	7
Zinc [3]	Mil. metric ton	5.5	5.9	6.0	5.8	6.2	6.2	9	7	5	5	5	4
Metals, smelter basis:													
Aluminum	Mil. sh. ton	10.6	13.4	16.9	16.6	14.8	15.3	37	29	30	30	24	24
Cadmium	Mil. lb	36.5	33.9	40.2	38.3	36.3	38.0	26	13	9	9	6	6
Copper	Mil. metric ton	6.1	7.3	7.9	8.3	8.3	8.3	24	18	13	12	12	12
Iron, pig (incl. ferroalloys)	Mil. sh. ton	474	529	565	552	502	505	19	15	12	13	9	10
Lead	Mil. metric ton	3.3	4.5	5.4	5.3	5.3	5.2	18	17	23	21	21	19
Magnesium	1,000 sh. ton	242	258	348	336	273	291	46	47	49	46	37	40
Steel ingots and castings	Mil. sh. ton	655	713	787	777	707	724	20	16	14	16	11	12
Tin	1,000 m. ton [6]	227	228	249	248	239	222	(NA)	3	1	1	1	1
Zinc	Mil. metric ton	4.8	5.0	6.0	6.1	5.9	6.2	18	9	6	6	5	5

– Represents zero. NA Not available. Z Less than .5 percent. [1] Source: Beginning 1975, *Energy Information Administration, International Energy Annual*. See table 1249 for production by world region. [2] Through 1975, for years ending June 30; thereafter as of September 30. U.S. production includes Puerto Rico. [3] Content of ore and concentrate. [4] 76-lb. flasks. [5] Excludes Soviet Union. [6] Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

No. 1244. Federal Strategic and Critical Materials Inventory: 1980 to 1984

[As of **Dec. 31**. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale]

Mineral	Unit	Quantity [1] 1980	1981	1982	1983	1984	Value (mil. dol.) 1980	1981	1982	1983	1984
Tin	1,000 lg. ton	200	197	191	186	186	3,158	3,344	2,503	2,559	2,335
Silver	1,000 troy oz	139,500	137,506	137,506	137,506	136,506	2,288	1,097	1,423	1,651	996
Cobalt	Mil. lb	41	41	46	46	46	1,020	747	572	575	508
Bauxite [2]	1,000 lg. ton	14,333	14,333	15,958	15,958	16,954	583	666	733	775	779
Manganese [3]	1,000 sh. ton	3,495	4,837	4,775	4,447	4,361	540	579	556	509	506
Tungsten [4]	Mil. lb	62	93	92	92	88	533	713	493	485	505
Zinc	1,000 sh. ton	376	378	378	378	378	313	338	293	351	343
Titanium	1,000 sh. ton	21	32	32	32	32	301	459	353	353	386
Platinum	1,000 troy oz	440	453	453	453	453	209	215	215	194	147
Chromium [5]	1,000 sh. ton	763	784	784	784	784	747	788	784	728	798
Diamond:											
Stones	Carat	19,224	17,748	17,024	15,536	14,047	349	399	400	379	357
Industrial, bort	Carat	23,693	23,693	22,193	22,193	22,001	73	53	39	39	39

[1] Consists of stockpile and nonstockpile grades and reflects uncommitted balances. [2] Consists of abrasive grade, metallic grade Jamaica, metallic grade Suriname, and refractory. [3] Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. [4] Consists of carbide powder, ferro, metal powder, and ores and concentrates. [5] Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (AP-3).

No. 1245. Selected Mineral and Metal Products—Quantity and Value of Imports and Exports: 1980 to 1984

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

Product	Quantity						Value (mil. dol.)				
	Unit	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
Imports											
Petroleum (crude) [1]	Mil. bbl	1,975	1,751	1,417	1,283	1,317	61,899	61,458	45,724	36,492	37,859
Gem stones: Diamonds	Mil. carat	4.2	4.4	4.6	6.3	8.2	2,251	2,201	1,918	2,275	2,906
Ores and concentrates:											
Chromium (Cr_2O_3 content)	1,000 sh. ton	410	368	209	86	134	57	50	30	10	15
Copper	1,000 sh. ton	58	43	130	100	12	73	57	141	82	10
Iron	Mil. lg. ton	25.1	28.3	14.5	13.2	17.2	773	948	471	446	529
Tungsten	Mil. lb	11.4	11.8	7.8	6.3	12.8	87	91	47	26	52
Metals:											
Aluminum	1,000 sh. ton	581	711	679	819	972	778	991	858	1,021	1,293
Cobalt	Mil. lb	15.0	13.9	11.6	15.9	23.3	359	239	138	110	203
Copper refined ingots, etc	1,000 sh. ton	471	364	285	507	490	935	582	395	701	621
Gold (bullion)	Mil. troy oz	4.1	4.2	4.2	3.6	6.0	2,507	1,943	1,651	1,576	2,294
Iron and steel products (maj.)	Mil. sh. ton	16.2	20.7	17.3	17.8	27.3	7,713	11,202	10,290	7,129	11,356
Platinum group [2]	Mil. troy oz	3.5	2.8	2.5	3.2	4.5	1,177	800	554	753	1,118
Silver (bullion)	Mil. troy oz	64.9	75.9	96.9	161.2	93.5	1,332	837	786	1,926	785
Zinc: Blocks, pigs, slabs	1,000 sh. ton	452	675	503	681	705	319	549	371	504	636
Exports											
Fuels: [1]											
Bituminous coal	Mil. sh. ton	89.9	110.2	105.2	76.9	80.8	4,523	5,809	5,938	4,008	4,090
Petroleum (crude)	Mil. bbl	30.6	16.4	13.1	6.8	5.8	751	577	469	224	185
Nonmetallic minerals:											
Gem stones: Diamonds	Mil. carat	1.3	3.2	2.7	2.5	2.3	1,041	854	639	622	575
Nitrogen compounds (maj.)	Mil. sh. ton	11.1	8.4	7.8	7.5	10.4	1,842	1,398	1,179	1,050	1,635
Phosphatic fertilizers [3]	Mil. sh. ton	7.2	6.0	5.4	6.6	8.2	1,383	1,035	837	895	1,350
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton	715	344	401	398	286	1,107	527	476	534	397
Plates, sheets, bars, etc	1,000 sh. ton	306	264	194	179	219	716	625	440	389	497
Gold (refined bullion)	Mil. troy oz	4.7	5.2	1.6	1.9	3.5	2,787	2,501	591	825	1,285
Iron and steel prods. (maj.)	Mil. sh. ton	4.5	3.3	2.2	1.4	1.2	3,504	3,414	2,515	1,609	1,418
Magnesium [4]	1,000 sh. ton	56.8	34.9	39.6	46.7	48.3	128	91	105	125	137
Molybdenum [5]	1,000 lb	614	2,641	697	577	306	5	10	2	2	1
Silver (refined bullion)	Mil. troy oz	57.2	15.1	12.9	13.7	10.3	1,327	181	106	169	86
Scrap exports:											
Aluminum	1,000 sh. ton	445	241	214	262	285	483	236	158	249	276
Iron and steel	Mil. sh. ton	11.4	8.5	6.9	7.8	9.8	1,257	653	623	651	938

[1] Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country*, FT 246, annual; and *U.S. Exports, Schedule B Commodity and Country*, FT 446, monthly. [2] Unwrought and semimanufactured. [3] Superphosphates and ammonium phosphates. [4] Metal and alloys, scrap, semimanufactured forms. [5] Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1246. Mineral Industries—Lost Workday Injuries and Fatalities: 1980 to 1983

[Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286]

Item	1980	1981	1982	1983	Item	1980	1981	1982	1983
Coal mining:					**Quarrying and related industries—Con.**				
Injuries, total	18,822	15,638	14,337	9,545	Rate per million work-hours:				
Fatal	133	153	122	70	Fatal	.3	.1	.1	.1
Percent of total	.7	1.0	.9	.7	Nonfatal	21	17	14	16
Rate per million work-hours:					Fatalities per 1,000 employed [1]	.5	.2	.1	.2
Fatal	.3	.4	.3	.2	**Metal and nonmetal mining:** [3]				
Nonfatal	43	38	36	29	Injuries, total	6,923	6,376	3,184	2,551
Fatalities per 1,000 employed [1]	.55	.64	.53	.37	Fatal	46	56	35	22
Quarrying and related industries: [2]					Percent of total	.7	.9	1.1	.9
Injuries, total	3,551	2,527	925	2,035	Rate per million work-hours:				
Fatal	42	19	10	16	Fatal	.2	.2	.2	.2
Percent of total	1.2	.8	1.1	.8	Nonfatal	28	24	19	18
					Fatalities per 1,000 employed [1]	.3	.4	.4	.3

[1] Average number of persons at work each day mines were active. [2] Includes manufacture of cement. [3] Nonmetal mines exclude extraction of Frasch process sulfur.

Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.

No. 1247. Net U.S. Imports of Selected Minerals and Metals as Percent of Apparent Consumption, 1970 to 1984, and by Major Foreign Sources, 1980-1983

[In **percent**. Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

MINERAL	1970	1979	1980	1981	1982	1983	1984	Rank of major foreign sources, 1980-1983
Columbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	100	100	100	100	100	100	100	India, Belgium, France.
Strontium	100	100	100	100	100	100	100	Mexico, Spain.
Manganese	95	98	98	98	99	99	99	**Ore:** Rep. of So. Africa, Gabon, Australia.
Bauxite [1]	88	93	94	94	96	96	96	**Bauxite:** Jamaica, Guinea, Suriname; **Alumina:** Australia, Jamaica, Suriname.
Cobalt	98	94	93	92	92	95	95	Zaire, Zambia, Canada.
Tantalum	96	96	90	92	92	97	94	Thailand, Malaysia, Brazil.
Platinum group	78	89	88	84	81	90	91	Rep. of So. Africa, United Kingdom, Soviet Union.
Chromium	89	90	91	90	85	76	82	Rep. of So. Africa, Zimbabwe, Soviet Union.
Tin	81	80	79	77	68	73	79	Malaysia, Thailand, Bolivia, Indonesia.
Asbestos	83	83	78	78	74	68	75	Canada, Rep. of So. Africa.
Nickel	71	69	71	75	76	75	74	Canada, Australia, Norway.
Potassium	42	66	65	65	65	75	74	Canada, Israel.
Titanium [2]	24	39	32	52	74	(D)	(D)	Australia, Canada, Rep. of So. Africa.
Tungsten	50	58	53	50	42	52	71	Canada, China, Bolivia.
Zinc	54	63	60	64	58	65	67	**Ore:** Canada, Peru, Mexico; **Metal:** Canada, Peru, Mexico.
Barium	45	37	44	40	55	65	64	Canada, Morocco, Chile.
Silver	26	42	7	53	55	61	61	Canada, Mexico, Peru.
Antimony	40	53	48	48	50	54	(D)	**Metal:** Bolivia, China, Belgium-Luxembourg; **Ore:** Bolivia, Mexico, Canada.
Mercury	41	59	26	44	31	30	60	Spain, Japan, Mexico.
Cadmium	7	64	55	63	73	72	56	Canada, Australia, Mexico.
Selenium	11	28	59	45	55	39	51	Canada, United Kingdom, Japan.
Vanadium	21	28	35	34	24	26	41	Rep. of So. Africa, Canada, Finland.
Gypsum	39	35	35	37	36	40	38	Canada, Mexico, Spain.
Petroleum [3] [4]	22	43	37	34	28	28	30	Mexico, Canada, Venezuela.
Iron and steel	4	12	15	13	20	16	23	Japan, Europe, Canada.
Copper	(5)	12	14	6	1	19	21	Chile, Canada, Mexico.
Iron ore	30	25	25	22	34	37	19	Canada, Venezuela, Liberia.
Sulfur	(5)	11	14	5	4	15	17	Canada, Mexico.
Gold	59	50	18	15	32	19	16	Canada, Switzerland, Uruguay.
Aluminum	(5)	4	(5)	(5)	7	17	9	Canada, Ghana, Japan.
Natural gas [4]	4	6	5	4	5	5	5	Canada, Algeria, Mexico.

D Withheld to avoid disclosure. [1] Includes alumina. [2] Ilmenite. [3] Includes crude and products. [4] Source: Beginning 1979, Energy Information Administration: *Annual Energy Review.* [5] Net exports.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries;* Import and export data from U.S. Bureau of the Census.

No. 1248. Petroleum Industry—Summary: 1950 to 1984

YEAR	CRUDE OIL PRODUCING WELLS		COMPLETED WELLS DRILLED (1,000)				CRUDE OIL PRODUCTION			IMPORTS, (mil. bbl.)		OPERABLE REFINERIES (mil. bbl.)	
	Total (Dec. 31) (1,000)	Daily output per well (bbl.)	Total	Crude oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)	Crude oil	Refined petroleum products	Capacity (Jan. 1)	Output
1950	466	11.8	42	24	3	15	1,974	5.0	2.51	178	133	2,271	2,197
1955	524	13.2	55	30	4	20	2,484	6.9	2.77	265	170	3,061	2,880
1960	591	12.0	46	22	5	18	2,575	7.4	2.88	372	293	3,593	3,195
1965	589	13.3	39	18	4	16	2,849	8.2	2.86	452	449	3,803	3,639
1970	531	18.0	28	13	4	11	3,517	11.2	3.18	483	765	4,388	4,421
1971	517	18.1	26	12	4	10	3,454	11.7	3.39	613	819	4,694	4,562
1972	508	18.4	28	11	5	11	3,455	11.7	3.39	811	924	4,865	4,787
1973	497	18.3	28	10	7	10	3,361	13.1	3.89	1,184	1,099	4,979	5,057
1974	498	17.6	33	14	7	12	3,203	22.0	6.87	1,269	962	5,242	4,927
1975	500	16.8	39	17	8	14	3,057	23.5	7.67	1,498	712	5,461	4,995
1976	499	16.3	41	18	9	14	2,976	24.4	8.19	1,935	741	5,577	5,372
1977	507	16.4	46	19	12	15	3,009	25.8	8.57	2,414	800	5,985	5,794
1978	517	17.0	50	19	14	17	3,178	28.6	9.00	2,320	733	6,222	5,828
1979	531	16.3	52	21	15	16	3,121	39.5	12.64	2,380	707	6,366	5,753
1980	548	15.9	70	32	17	20	3,146	67.9	21.59	1,926	603	6,584	5,352
1981	557	15.4	90	43	20	27	3,129	99.4	31.77	1,605	584	6,796	5,106
1982	580	14.9	84	39	19	27	3,157	90.0	28.52	1,273	593	6,530	4,888
1983,	603	14.4	74	37	14	23	3,171	83.1	26.19	1,215	629	6,154	4,795
1984, prel	616	14.2	82	42	16	25	3,171	82.9	25.87	1,245	724	5,906	5,014

Source: U.S. Energy Information Administration, *Annual Energy Review* and *Petroleum Supply Annual.*

No. 1249. Crude Oil, Natural Gas, and Coal—World Production, by Region: 1973 to 1983

Fuel and Region	Production										Percent Distribution		
	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	1973	1980	1983
Crude Oil (mil. bbl.)													
World	**20,321**	**19,301**	**20,976**	**21,785**	**21,921**	**22,825**	**21,791**	**20,405**	**19,512**	**19,338**	**100.0**	**100.0**	**100.0**
United States	3,361	3,057	2,976	3,009	3,178	3,121	3,147	3,129	3,157	3,171	16.5	14.4	16.4
Other W. Hemisphere	2,531	2,090	2,082	2,135	2,217	2,468	2,569	2,648	2,765	2,746	12.5	11.8	14.2
Western Europe	164	218	335	518	663	860	926	987	1,104	1,240	.8	4.2	6.4
Africa	2,149	1,812	2,126	2,273	2,178	2,381	2,207	1,670	1,626	1,615	10.6	10.1	8.4
Middle East	7,689	7,126	8,072	8,123	7,702	7,869	6,737	5,742	4,614	4,237	37.8	30.9	21.9
Far East and Oceania	1,196	1,340	1,525	1,682	1,760	1,816	1,774	1,760	1,709	1,801	5.9	8.1	9.3
Eastern Europe and U.S.S.R.	3,232	3,659	3,858	4,045	4,223	4,311	4,431	4,469	4,537	4,528	15.9	20.3	23.4
Natural Gas (Dry) (tril. cu. ft.)													
World	**43.18**	**44.12**	**46.12**	**47.31**	**48.73**	**51.87**	**53.60**	**54.22**	**53.73**	**54.22**	**100.0**	**100.0**	**100.0**
United States	21.73	19.24	19.10	19.16	19.12	19.66	19.40	19.18	17.76	16.03	50.3	36.4	29.6
Other W. Hemisphere	4.10	4.03	4.07	4.32	4.60	4.98	5.04	4.81	4.93	5.02	9.5	9.4	9.3
Western Europe	5.15	6.07	6.46	6.01	5.79	6.44	7.07	6.89	6.26	6.49	11.9	13.1	12.0
Africa	.32	.37	.47	.42	.90	.83	.87	.89	1.19	1.54	.7	1.6	2.8
Middle East	.98	1.19	1.26	1.41	1.38	1.58	1.41	1.36	1.15	1.29	2.3	2.6	2.4
Far East and Oceania	.92	1.27	1.48	1.73	1.84	2.06	2.48	2.60	2.65	2.85	2.1	4.6	5.3
Eastern Europe and U.S.S.R.	9.96	11.95	13.27	14.26	15.11	16.32	17.34	18.49	19.78	20.99	23.1	32.2	38.7
Coal (mil. sh. ton)													
World	**3,447**	**3,673**	**3,772**	**3,840**	**3,921**	**4,121**	**4,197**	**4,228**	**4,389**	**4,346**	**100.0**	**100.0**	**100.0**
United States	599	655	685	697	670	781	830	824	838	782	17.4	19.8	18.0
Other W. Hemisphere	36	43	44	49	51	57	64	66	72	75	1.0	1.5	1.7
Western Europe	508	509	518	508	509	529	543	562	579	564	14.7	12.9	13.0
Africa	75	82	91	100	105	120	133	149	157	169	2.2	3.2	3.9
Middle East, Far East and Oceania	800	890	921	942	1,026	1,063	1,061	1,098	1,148	1,146	23.2	25.3	26.4
Eastern Europe and U.S.S.R.	1,431	1,494	1,513	1,546	1,560	1,571	1,566	1,529	1,593	1,610	41.5	37.3	37.0

Source: U.S. Energy Information Administration, *International Energy Annual* and *Monthly Energy Review*.

No. 1250. Fuel Consumption, by Type of Use: 1970 to 1984

Fuel and Use	Consumption										Percent			
	Unit	1970	1975	1979	1980	1981	1982	1983	1984 [1]	1970	1980	1983	1984 [1]
Petroleum [2]	**Mil. bbl**	**5,364**	**5,958**	**6,757**	**6,242**	**5,861**	**5,583**	**5,559**	**5,749**	**100**	**100**	**100**	**100**
Fuel use [3]	Mil. bbl	4,787	5,299	5,918	5,455	5,109	4,889	4,871	5,014	89	87	88	87
Nonfuel use [3]	Mil. bbl	578	659	839	788	752	694	688	735	11	13	12	13
Residential [4]	Mil. bbl	797	710	630	555	487	454	441	464	15	9	8	8
Industrial	Mil. bbl	1,394	1,475	1,952	1,772	1,563	1,482	1,436	1,520	26	28	26	26
Transportation	Mil. bbl	2,835	3,266	3,650	3,494	3,460	3,396	3,435	3,559	53	56	62	62
Electrical generation	Mil. bbl	339	506	525	421	352	251	247	206	6	7	4	4
Natural gas (dry)	**Bil. cu. ft**	**21,139**	**19,538**	**20,241**	**19,877**	**19,404**	**18,001**	**16,835**	**17,645**	**100**	**100**	**100**	**100**
Fuel use [3]	Bil. cu. ft	(NA)	19,008	19,646	19,288	18,858	17,510	16,353	17,115	(NA)	97	97	97
Nonfuel use [3]	Bil. cu. ft	(NA)	530	595	589	546	491	482	530	(NA)	3	3	3
Residential [4]	Bil. cu. ft	7,236	7,432	7,751	7,363	7,066	7,239	6,813	7,206	34	37	40	38
Industrial [5]	Bil. cu. ft	7,851	6,968	6,899	7,172	7,128	5,831	5,643	5,757	37	36	34	35
Pipeline fuel	Bil. cu. ft	722	583	601	635	642	596	490	515	3	3	3	3
Electrical generation	Bil. cu. ft	3,932	3,158	3,491	3,682	3,640	3,226	2,911	3,111	19	19	17	18
Lease and plant fuel	Bil. cu. ft	1,399	1,396	1,499	1,026	928	1,109	978	1,052	7	5	6	6
Coal [6]	**Mil. sh. ton**	**523**	**563**	**681**	**703**	**733**	**707**	**737**	**793**	**100**	**100**	**100**	**100**
Fuel use [3]	Mil. sh. ton	518	563	677	700	730	705	735	791	99	100	100	100
Nonfuel use [3]	Mil. sh. ton	6	5	3	3	3	2	2	2	1	(Z)	(Z)	(Z)
Residential [4]	Mil. sh. ton	16	9	8	6	7	8	8	9	3	1	1	1
Industrial	Mil. sh. ton	187	147	145	127	128	105	103	119	36	18	14	15
Electrical generation	Mil. sh. ton	320	406	527	569	597	594	625	664	61	81	85	84

NA Not available. Z Less than .5 percent. [1] Preliminary. [2] Products refined and processed from crude oil, including still gas, liquefied refinery gas, and natural gas liquids. [3] Source: 1970 to 1979, U.S. Bureau of Mines, *United States Energy Through the Year 2000*, December 1972; and *Minerals Yearbook*. [4] Includes commercial. [5] Excludes lease and plant fuel. [6] Includes anthracite, bituminous, and lignite coals.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*.

No. 1251. Crude Petroleum and Refined Products: 1973 to 1984

[**Barrels of 42 gallons.** See tables 972, 973 and 1060 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 138-142, M 178, and M 181]

ITEM	Unit	1973	1975	1978	1979	1980	1981	1982	1983	1984
Crude petroleum:										
Domestic production	Mil. bbl	3,361	3,057	3,178	3,121	3,138	3,129	3,157	3,171	3,250
Value at wells	Bil. dol	13.1	23.4	28.6	39.5	66.9	99.4	90.0	83.0	82.9
Average price per barrel at wells	Dol	3.89	7.67	9.00	12.64	21.59	31.77	28.52	26.19	25.87
World production	Mil. bbl	20,561	19,301	21,921	22,825	21,791	20,404	19,512	19,338	19,660
U.S. proportion of world total	Percent	17	16	14	14	14	15	16	16	16
Imports	Mil. bbl	1,184	1,498	2,320	2,380	1,926	1,605	1,273	1,215	1,245
Value [1]	Mil. dol	4,231	18,374	32,140	46,100	62,014	61,940	45,862	36,809	37,945
Exports	Mil. bbl	1	2	58	86	105	83	86	60	66
Value [1]	Mil. dol	2,621	178	389	394	751	577	469	224	185
Stocks, Dec. 31	Mil. bbl	242	271	376	430	466	594	644	723	794
Proved reserves, Dec. 31 [2]	Mil. bbl	35,300	32,682	31,355	29,810	29,805	29,426	27,858	27,735	28,446
Refinery:										
Number of refineries	Number	273	276	308	319	324	301	258	247	223
Operable capacity (Dec. 31) [3]	Mil. bbl	5,242	5,577	6,366	6,584	6,796	6,530	6,154	5,906	5,731
Crude oil receipts at refineries	Mil. bbl	4,546	4,546	5,373	5,346	4,934	4,563	4,331	4,283	4,448
By pipeline: Domestic	Mil. bbl	2,905	2,662	2,418	2,329	2,275	2,343	2,401	2,419	2,442
Foreign	Mil. bbl	409	398	594	612	503	346	406	421	366
By water: Domestic	Mil. bbl	399	305	584	592	642	587	619	611	673
Foreign	Mil. bbl	775	1,101	1,683	1,722	1,406	1,184	817	735	857
By tank cars and trucks	Mil. bbl	58	80	94	108	121	103	89	96	110
Utilization rate [3] [4]	Percent	89.8	84.2	86.9	87.6	81.0	77.4	69.8	72.4	76.8
Refined products:										
Daily crude oil capacity [5]	Mil. bbl	14.4	15.2	17.0	18.0	18.6	17.9	16.9	16.1	15.7
Retail prices for leaded regular motor gasoline (U.S. city average)	Cents	[6] 38.8	56.7	62.6	85.7	119.1	131.1	122.2	115.7	112.9
Yield of gasoline	Percent	45.6	46.5	44.1	43.0	44.5	44.5	46.2	47.4	46.5
Imports	Mil. bbl	1,099	712	733	707	603	584	593	629	724
Value [1]	Mil. dol	3,318	6,751	6,844	9,752	11,502	13,328	13,200	15,166	19,752
Exports	Mil. bbl	84	74	74	86	94	134	211	210	198
Value [1]	Mil. dol	391	325	685	858	1,242	2,088	4,589	3,554	3,419
Stocks, Dec. 31	Mil. bbl	766	862	901	911	926	890	786	731	761

NA Not available. [1] Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E Commodity by Country*, FT 135, monthly, and *U.S. Imports and Imports for Consumption, Schedule A Commodity by Country*, FT 410, monthly. [2] Source: 1973-1975 American Petroleum Institute, Washington, DC, thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [3] Source: 1973-1980, U.S. Energy Information Administration, *Petroleum Refineries in the United States* and *U.S. Territories*, annual. [4] Annual crude oil runs as a percent of December 31 operable capacity. [5] Operating capacity. [6] Average dealer's net price per gallon (incl. tax) of regular grade full service gasoline. Data from Platt's Oilgram Price Service.

Source: Except as noted, through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, *Annual Energy Review*, and *Petroleum Supply Annual*.

No. 1252. Petroleum—Runs to Stills and Refinery Products, by Product: 1973 to 1984

[**In millions of barrels, except percent.** Barrels of 42 gallons, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series M 162-177]

PRODUCT	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	PERCENT 1973	1980	1983	1984
Input	4,890	4,827	5,602	5,646	5,561	5,133	4,921	4,694	4,617	4,804	100.0	100.0	100.0	100.0
Crude petroleum	4,537	4,541	5,330	5,379	5,346	4,934	4,552	4,297	4,265	4,408	92.8	96.1	92.4	91.8
Natural gas liquids	297	259	245	233	186	169	191	188	168	183	6.1	3.3	3.6	3.8
Other [1]	56	27	27	34	29	30	178	209	184	213	1.1	.6	4.0	4.4
Output	5,057	4,995	5,794	5,828	5,753	5,352	5,106	4,888	4,795	5,007	100.0	100.0	100.0	100.0
Gasoline (motor)	2,399	2,393	2,566	2,630	2,508	2,388	2,336	2,313	2,313	2,362	47.4	44.6	48.2	47.2
Distillate fuel oil	1,029	968	1,196	1,156	1,151	974	954	951	897	981	20.3	18.2	18.7	19.6
Residual fuel oil	354	451	640	609	616	578	482	390	311	326	7.0	10.8	6.5	6.5
Jet fuel	314	318	355	354	369	366	353	357	373	414	6.2	6.8	7.8	8.3
Petrochemical feedstocks	133	122	193	223	252	254	220	160	153	129	2.6	4.7	3.2	2.6
Still gas for fuel [2]	177	175	191	200	205	197	199	195	192	205	3.5	3.7	4.0	4.1
Asphalt and road oil [3]	175	149	157	176	170	144	124	120	136	141	3.5	2.6	2.9	2.8
Coke (5 bbl.=1 sh. ton)	132	129	135	135	137	135	142	150	153	161	2.6	2.5	3.2	3.2
Liquefied refinery gases	128	109	122	125	121	119	115	99	120	133	2.5	2.2	2.5	2.7
Kerosene	79	55	62	56	67	50	44	42	40	42	1.6	.9	.8	.8
Other finished products	137	126	177	164	157	145	137	111	107	113	2.7	2.8	2.2	2.3
Processing gains	−165	−168	−191	−181	−192	−219	−185	−194	−178	−203	(X)	(X)	(X)	(X)

X Not applicable. [1] Includes unfinished oil rerun net, blending components, other hydocarbons and alcohol. [2] 1 barrel=3,600 cu. ft. [3] 5.5 barrels=1 sh. ton.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1253. Crude Petroleum and Natural Gas—Wells Drilled, Footage, and Drilling Cost, by Type of Well: 1970 to 1983

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

Year	Wells drilled		Footage drilled (mil. ft.)	Drilling cost (mil. dol.)		Average depth per well (ft.)	Average cost per well ($1,000)		Average cost per ft. (dol.)
	Total	Offshore		Total	Offshore		Total	Offshore	
Wells, total:									
1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
1975	36,960	1,028	177.6	6,571	1,174	4,806	178	1,142	36.99
1980	62,011	1,272	296.0	22,800	3,846	4,773	368	3,024	77.02
1981	80,816	1,476	388.8	36,665	5,551	4,811	454	3,761	94.30
1982	76,652	1,464	362.6	39,428	6,154	4,731	514	4,203	108.73
1983	67,536	1,270	301.2	25,105	4,961	4,460	372	3,906	83.34
Oil wells:									
1970	12,547	533	56.4	1,088	282	4,496	87	528	19.29
1975	16,276	283	66.1	2,257	253	4,059	139	892	34.15
1980	28,553	317	117.1	7,768	844	4,099	272	2,663	66.36
1981	38,725	415	162.0	13,023	1,074	4,183	336	2,589	80.40
1982	35,865	486	144.3	12,459	1,563	4,024	347	3,217	86.34
1983	33,485	459	130.8	9,504	1,499	3,907	284	3,266	72.65
Gas wells:									
1970	3,844	193	23.1	618	139	6,007	161	720	26.75
1975	7,654	271	43.4	2,005	338	5,667	262	1,247	46.23
1980	15,225	444	85.8	8,167	1,446	5,636	536	3,256	95.16
1981	17,533	515	100.3	12,248	2,122	5,718	699	4,121	122.17
1982	17,052	442	100.8	14,738	2,165	5,912	864	4,898	146.20
1983	12,919	293	72.5	7,856	1,213	5,611	608	4,140	108.37
Dry holes:									
1970	10,786	332	57.4	873	178	5,320	81	536	15.21
1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86
1980	18,233	511	93.1	6,865	1,556	5,108	377	3,046	73.70
1981	24,558	546	126.6	11,395	2,354	5,154	464	4,312	90.03
1982	23,735	536	117.5	12,232	2,425	4,951	515	4,525	104.09
1983	21,132	518	97.9	7,745	2,249	4,633	367	4,341	79.10

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey on Drilling Costs*, annual.

No. 1254. Federal Offshore Leasing, Exploration, Production and Revenue: 1954 to 1984

[See source for explanation of terms and for reliability statement]

Leasing	Unit	1954-1964	1965-1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Tracts offered	Number	2,251	4,478	536	358	586	666	483	1,398	1,410	21,689	27,326
Tracts leased	Number	1,026	1,679	246	211	249	351	218	430	357	1,251	1,360
Acres offered	1,000	9,742	19,336	2,827	1,843	3,141	3,412	2,563	7,680	7,637	120,054	151,236
Acres leased	1,000	4,623	7,946	1,278	1,101	1,297	1,767	1,134	2,265	1,886	6,588	7,261
Bonus paid for leased tracts	Mil. dol	1,184	14,697	2,243	1,569	1,767	5,079	4,205	6,612	3,987	5,749	3,862
Exploration and development												
New wells being drilled:												
Active	Number	583	1,048	97	169	117	175	191	173	166	134	(NA)
Suspended	Number	651	1,753	362	496	486	603	739	724	701	597	(NA)
Wells completed	Number	18,995	56,662	6,461	7,914	8,433	8,964	9,638	10,308	11,164	11,990	(NA)
Wells plugged and abandoned	Number	7,096	37,794	6,088	6,610	7,133	7,576	8,057	8,704	8,913	9,374	(NA)
Other wells	Number	102	6,273	1,117	–	–	–	–	–	–	–	(NA)
Revenue and production												
Revenue, total [1]	Mil. dol	1,628	18,234	2,968	2,510	2,941	6,617	6,363	9,924	7,823	9,160	(NA)
Bonuses	Mil. dol	1,184	14,697	2,243	1,569	1,767	5,079	4,205	6,612	3,987	5,749	(NA)
Oil and gas royalties [1]	Mil. dol	382	3,309	680	890	1,139	1,512	2,133	3,287	3,815	3,376	(NA)
Rentals	Mil. dol	53	103	23	20	22	20	19	22	20	32	(NA)
Production, value [2]	Mil. dol	2,198	21,021	4,402	5,774	7,097	9,273	13,056	20,200	22,573	21,034	(NA)
Crude oil	Mil. dol	1,554	13,034	2,336	2,434	2,628	2,874	4,784	8,844	8,929	8,935	(NA)
Condensate	Mil. dol	92	1,104	198	249	226	254	360	844	1,225	1,106	(NA)
Natural gas	Mil. dol	514	5,673	1,653	2,766	4,135	6,126	7,885	10,503	12,420	10,993	(NA)
Production: [2]												
Crude oil	Mil. bbls	499	3,167	294	277	270	262	259	263	284	304	(NA)
Condensate	Mil. bbls	30	247	22	27	22	23	19	27	37	36	(NA)
Natural gas	Tril. cu. ft	2,867	24,738	3,596	3,738	4,365	4,673	4,641	4,850	4,680	3,940	(NA)

– Represents zero. NA Not available. [1] Includes condensate royalties. [2] Production value is value at time of production, not current value.

Source: U.S. Dept. of Interior, *Federal Offshore Statistics*, September 1984.

No. 1255. Petroleum Inventories at the Beginning of Peak Seasons: 1974 to 1984

FUEL	Unit	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Petroleum, total (Sept. 30)	Mil. bbls	1,114	1,147	1,192	1,304	1,263	1,309	1,447	1,476	1,414	1,485	1,513
	Days' supply [1]	68.3	72.7	71.4	73.4	69.9	74.5	89.8	95.0	94.9	96.9	96.8
Motor gasoline (Mar. 31)	Mil. bbls	220.3	248.7	239.1	262.2	259.6	240.1	282.8	232.4	198.1	182.7	202.1
	Days' supply [1]	36.6	40.0	36.3	38.8	37.4	33.8	43.9	36.6	31.9	29.0	32.2
Distillate fuel oil (Sept. 30)	Mil. bbls	208.3	220.8	232.3	252.8	220.7	220.4	232.4	207.3	161.2	154.0	142.9
	Days' supply [1]	89.3	102.8	98.1	96.1	82.9	83.0	100.1	85.5	71.4	63.0	55.6
Residual fuel oil (Sept. 30)	Mil. bbls	60.3	76.9	76.4	87.5	81.3	87.8	87.9	80.2	61.8	49.7	46.8
	Days' supply [1]	24.2	34.4	29.6	29.9	29.0	34.6	38.0	42.2	40.7	36.8	38.8

[1] Days' supply is derived by dividing inventories by previous three month average daily consumption (products supplied).
Source: U.S. Energy Information Administration, *Petroleum Supply Annual.*

No. 1256. U.S. Direct Investment and Income Abroad in Petroleum—Value, by Region and Country: 1980 to 1984

[In millions of dollars. Minus sign (–) indicates loss. See also *Historical Statistics, Colonial Times to 1970,* series U 41–46]

REGION AND COUNTRY	DIRECT INVESTMENT POSITION (at yearend)					INCOME				
	1980	1981	1982	1983	1984 [1]	1980	1981	1982	1983	1984 [1]
All areas	**47,591**	**53,244**	**56,810**	**60,330**	**63,319**	**13,181**	**13,330**	**10,227**	**9,548**	**10,065**
Developed countries	34,621	37,535	37,134	39,093	40,616	8,632	7,142	4,879	5,640	6,043
Canada	10,800	10,677	10,357	10,883	11,614	1,986	995	1,079	1,342	1,468
Europe	20,101	22,681	22,539	23,774	24,714	5,879	5,350	3,241	3,698	4,166
Japan	1,570	1,737	1,709	2,012	2,100	178	330	271	443	225
Australia, New Zealand, and South Africa	2,149	2,440	2,530	2,423	2,189	589	467	288	156	184
Developing countries	(D)	12,341	16,040	16,903	18,417	4,138	5,461	4,669	3,184	3,523
Latin America	4,380	4,831	6,677	6,944	5,940	961	1,081	1,046	658	–32
Other Africa	2,247	2,686	3,537	3,522	3,485	1,238	922	831	719	1,147
Middle East [2]	(D)	707	758	986	1,205	–338	1,019	535	–25	359
Other Asia and Pacific	2,777	4,138	5,068	5,450	6,787	2,277	2,438	2,257	1,831	2,050
International	(D)	3,368	3,636	4,334	4,285	412	727	679	925	499

D Withheld to avoid disclosure of individual company data. [1] Preliminary. [2] Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Syria, Oman, United Arab Emirates, and Yemen. Data for 1980–1984, are based on the 1977 benchmark survey. See *Survey of Current Business,* August 1982.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August 1985.

No. 1257. Foreign Direct Investment in Petroleum in the United States: 1975 to 1984

[In millions of dollars. Investment at yearend]

AREA	INVESTMENT						INCOME					
	1975	1980	1981	1982	1983,	1984, prel.	1975	1980	1981	1982	1983	1984, prel.
Total	**6,213**	**12,200**	**15,246**	**17,660**	**18,209**	**24,916**	**714**	**2,885**	**3,075**	**2,259**	**1,657**	**2,659**
Canada	596	1,817	1,801	1,550	1,391	1,419	57	141	25	–281	–222	–91
Europe [1]	5,478	10,137	12,854	15,071	16,326	22,897	596	2,607	2,893	2,501	2,109	2,804
United Kingdom	(D)	–257	–124	5,444	9,455	10,917	(D)	–16	–38	(D)	(D)	1,212
Netherlands	(D)	9,265	11,547	8,098	8,646	9,878	(D)	2,433	2,568	1,383	1,048	1,345
Japan	(D)	–232	–78	113	–408	–178	1	3	6	(Z)	–57	–28
Australia, New Zealand, and So. Africa	(Z)	(D)	38	22	67	43	–	(Z)	1	(D)	–1	–4
Latin America	101	413	618	906	829	695	60	113	149	30	–176	–24
Middle East	(D)	(Z)	(D)	14	14	15	(Z)	–	(Z)	(D)	3	1
Africa,[2] Asia, and Pacific	(D)	(D)	(D)	–16	–9	25	–1	(Z)	–	(D)	–	–

– Represents zero. D Withheld to avoid disclosure of individual company data. Z Less than $500,000.
[1] Includes countries not shown separately. [2] Excludes South Africa.
Source: U.S. Bureau of Economic Analysis, *Survey of Current Business,* August 1985, and earlier issues.

No. 1258. Liquefied Petroleum Gases—Summary: 1980 to 1984

[In millions of 42-gallon barrels. Includes ethane]

ITEM	1980	1982	1983	1984	ITEM	1980	1982	1983	1984
Production	**561**	**558**	**599**	**621**	**Consumption**	**538**	**547**	**551**	**576**
At natural gas plants	441	459	480	488	Ethane [1]	164	186	194	215
At refineries	121	99	120	133	Propane [1 2]	298	323	307	305
Imports	79	82	69	71	Butane (incl. isobutane) [2]	76	39	49	55
Refinery input	85	110	92	106	Stocks, Dec. 31	116	94	101	101
Exports	9	24	27	18					

[1] Reported comsumption of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane.
[2] Reported consumption of butane-propane mixtures have been allocated 60 percent butane and 40 percent propane.
Source: U.S. Energy Information Administration, *Petroleum Supply Annual.*

No. 1259. Crude Petroleum and Natural Gas—Production, by State: 1971 to 1984

[See *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142 for petroleum production, and series M 147-161 for natural gas production]

STATE	CRUDE PETROLEUM PRODUCTION (mil. bbl.)							NATURAL GAS MARKETED PRODUCTION [1] (bil. cu. ft.)						
	1971-1975, avg.	1976-1980, avg.	1980	1981	1982	1983	1984	1971-1975, avg.	1976-1980, avg.	1980	1981	1982	1983	1984, prel.
Total	**3,306**	**3,085**	**3,147**	**3,129**	**3,157**	**3,171**	**3,250**	**21,876**	**20,161**	**20,154**	**19,960**	**18,520**	**16,822**	**18,054**
AL	11	19	22	21	20	19	20	16	75	65	79	75	91	87
AK	73	357	592	587	619	626	630	134	202	231	243	264	277	280
AR	17	19	18	18	19	19	19	147	108	112	93	125	128	164
CA	337	346	357	385	402	405	412	447	307	310	381	384	415	466
CO	34	35	30	30	31	29	29	136	188	188	196	210	164	180
FL	27	47	43	35	26	19	14	27	48	41	32	23	21	13
IL	32	24	23	24	28	29	29	1	1	2	1	1	1	1
IN	6	5	5	5	6	5	6	(z)	(z)	(z)	(z)	(z)	(z)	(z)
KS	68	58	60	66	71	72	76	880	800	735	640	430	435	466
KY	9	6	6	7	7	8	8	66	63	57	61	52	47	42
LA	809	533	469	449	458	480	515	7,828	7,181	6,639	6,780	6,172	5,332	5,824
MI	16	33	34	33	31	32	31	55	143	158	153	153	139	136
MS	56	40	36	34	33	31	33	95	118	175	181	167	151	158
MT	34	31	30	31	31	29	30	44	49	52	57	57	52	52
NE	8	6	6	7	7	6	6	3	3	3	3	2	2	2
NM	105	82	75	72	71	75	79	1,213	1,188	1,150	1,134	991	895	952
ND	21	28	40	45	47	51	53	30	30	42	43	54	69	77
OH	9	11	13	14	15	15	15	88	113	139	141	138	151	135
OK	190	152	150	154	159	159	168	1,701	1,800	1,892	2,019	1,934	1,730	2,080
PA	3	3	3	4	4	4	4	79	95	97	122	121	118	106
TX	1,261	1,081	977	945	925	903	905	8,276	7,044	7,116	6,190	6,469	5,939	6,130
UT	33	31	25	26	22	30	35	46	65	88	91	94	63	52
WV	3	2	2	3	3	4	4	203	153	157	161	151	130	138
WY	141	133	126	131	118	118	124	351	368	410	410	425	444	499
Other	3	4	5	3	4	3	6	10	19	27	28	28	28	25

Z Less than 500 million cubic feet. [1] 1980 and thereafter, excludes nonhydrocarbon gases.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Natural Gas Annual, Natural Gas Monthly, Petroleum Statement*, annual, *Petroleum Supply Annual*, and *State Energy Overview*.

No. 1260. Natural Gas—Supply, Production, Consumption, Reserves, and Marketed Production: 1970 to 1984

[See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	Unit	1970	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Producing wells (yearend)	1,000	117	124	132	148	157	170	182	199	211	222	226
Production value at wells	Bil. dol	3.7	5.0	9.0	15.8	18.2	24.2	32.1	39.5	45.6	43.6	47.0
Avg. per 1,000 cu. ft.	dollars	.17	.22	.45	.79	.91	1.18	1.59	1.98	2.46	2.59	2.60
Proved reserves [1]	Tril. cu. ft.	291	250	228	207	208	201	199	202	204	197	197
Marketed production [2]	Tril. cu. ft.	21.92	22.65	20.11	20.03	19.97	20.47	20.18	19.96	18.52	16.82	18.08
Drawn from storage	Tril. cu. ft.	1.46	1.53	1.76	1.75	2.16	2.05	1.97	1.93	2.16	2.27	2.04
Imports [3]	Tril. cu. ft.	.82	1.03	.95	1.01	.97	1.25	.98	.90	.93	.92	.84
Consumption, total	Tril. cu. ft.	21.14	22.05	19.54	19.52	19.63	20.24	19.88	19.40	18.00	16.83	17.65
Residential	Tril. cu. ft.	4.84	4.88	4.92	4.82	4.90	497	4.75	4.55	4.63	4.38	4.65
Commercial [4]	Tril. cu. ft.	2.40	2.60	2.51	2.50	2.60	2.79	2.61	2.52	2.61	2.43	2.56
Industrial	Tril. cu. ft.	9.25	10.18	8.36	8.47	8.40	8.40	8.20	8.06	6.94	6.62	5.76
Lease and plant fuel	Tril. cu. ft.	1.40	1.50	1.40	1.66	1.65	1.50	1.03	.93	1.11	.98	1.05
Other industrial	Tril. cu. ft.	7.85	8.69	6.97	6.82	6.76	6.90	7.17	7.13	5.83	5.64	5.76
Electric utilities	Tril. cu. ft.	3.93	3.66	3.16	3.19	3.19	3.49	3.68	3.64	3.23	2.91	3.11
Transportation [5]	Tril. cu. ft.	.72	.73	.58	.53	.53	.60	.63	.64	.60	.49	.52
Extraction losses [6]	Tril. cu. ft.	.91	.92	.87	.86	.85	.81	.78	.77	.76	.79	.85
Exports	Tril. cu. ft.	.07	.08	.07	.06	.05	.06	.05	.06	.05	.06	.06
Additions to storage [7]	Tril. cu. ft.	1.86	1.97	2.10	2.31	2.28	2.30	1.95	2.23	2.47	1.82	2.26
Unaccounted for gas [8]	Tril. cu. ft.	.23	.20	.24	.04	.29	.37	.64	.50	.47	.64	.29
World production (dry)	Tril. cu. ft.	37.54	43.15	44.12	47.31	48.73	51.87	53.60	954.22	53.73	[9] 54.22	(NA)
U.S. production (dry)	Tril. cu. ft.	21.01	21.73	19.24	19.16	19.12	19.66	19.40	19.18	17.76	16.03	17.23
Percent U.S. of world	Percent	56.0	50.4	43.6	40.5	39.2	37.9	36.2	35.4	33.1	29.6	(NA)

NA Not available.

[1] Estimated, end of year. Source: 1970-1975; American Gas Association, Arlington, VA. (Copyright.); thereafter U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual. [2] Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. [3] Includes imports of liquefied natural gas. [4] Includes deliveries to municipalities and public authorities for institutional heating and other purposes. [5] Pipeline fuel. [6] Volumetric reduction in natural gas resulting from the extraction of natural gas constitutents at natural gas processing plants. [7] Beginning with 1980, includes liquefied natural gas (LNG) storage in above ground tanks. [8] Derived by subtracting the sum of additions to storage, exports and consumption from total supply. [9] Preliminary.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review, International Energy Annual*, and *Monthly Energy Review*, April 1985.

No. 1261. Natural Gas Plant Liquids—Production and Value: 1970 to 1984

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 143–146]

ITEM	Unit	1970	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984
Total produced	**Mil. bbl**	**606**	**634**	**594**	**590**	**572**	**578**	**576**	**588**	**566**	**569**	**596**
Pentanes plus	Mil. bbl	197	182	149	146	139	125	126	122	103	85	107
Liquefied petroleum gases	Mil. bbl	400	447	444	443	432	444	441	459	459	480	488
Ethane [1]	Mil. bbl	73	108	123	145	148	146	145	145	155	168	184
Propane [1 2]	Mil. bbl	206	214	202	187	180	182	181	190	189	197	193
Butane (incl. isobutane) [2]	Mil. bbl	121	124	119	111	104	115	115	124	114	116	111
Other finished petroleum products	Mil. bbl	9	6	2	2	1	9	8	7	4	4	1
All light products:												
Average value	Dol. per bbl	2.10	2.93	4.65	6.85	7.85	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average yield	Gal. per 1,000 cu ft	1.37	1.35	1.42	1.41	1.41	1.47	1.63	1.65	1.68	1.80	[3] 1.78
Natural gas processed	Tril. cu ft	19	20	18	18	17	16	15	15	14	13.2	[3] 14.0

NA Not available. [1] Reported production of ethane-propane mixtures have been allocated 70 percent ethane and 40 percent propane. [2] Reported production of ethane-propane mixtures have been allocated 60 percent ethane and 30 percent propane. [3] Estimated.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual,* and *Petroleum Supply Annual.*

No. 1262. Coal and Coke—Summary: 1970 to 1984

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1983, was 490 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93–126]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984 [1]
COAL [2]											
Total production	Mil. sh. tons	613	655	697	670	781	830	824	838	782	890
Value	Mil. dol.	3,878	12,671	13,908	14,664	18,552	20,452	21,748	22,850	20,319	24,000
World production	Mil. sh. tons	3,295	3,673	3,840	3,921	4,121	4,197	4,228	4,389	4,349	(NA)
Bituminous coal and lignite: [3]											
Number of mines	Number	5,601	6,168	6,077	6,229	6,150	6,200	5,578	5,628	4,489	(NA)
Production	Mil. sh. tons	603	648	691	665	776	824	818	838	782	890
Value, total	Mil. dol.	3,773	12,472	13,705	14,486	18,359	20,196	21,514	22,850	20,319	24,000
Average per ton	Dollars	6.26	19.23	19.82	21.78	23.65	24.52	26.29	27.26	25.98	27.00
Method of mining:											
Underground	Mil. sh. tons	339	292	266	242	320	337	316	339	300	369
Surface	Mil. sh. tons	264	356	425	423	456	487	502	499	482	521
Percent of total production	Percent	43.8	54.8	61.5	63.6	58.7	59.0	61.4	59.5	61.6	58.5
Exports	Mil. sh. tons	71	66	54	40	65	90	110	106	78	81
Value	Mil. dol.	951	3,233	2,626	2,004	3,328	4,523	5,809	5,997	4,057	4,250
Imports	1,000 sh. tons	36	940	1,647	2,953	2,059	1,194	1,043	742	1,271	1,286
Value	Mil. dol.	(z)	22	39	75	51	30	30	30	43	45
Consumption [4]	Mil. sh. tons	516	556	620	621	677	699	729	707	737	791
Electric power utilities	Mil. sh. tons	319	404	476	480	526	568	596	594	625	664
Industrial	Mil. sh. tons	184	146	138	133	144	126	128	105	103	118
Productivity average: [5]											
Daily employment	1,000	140	190	221	242	224	225	226	217	176	178
Days worked	Number	228	232	210	166	206	210	186	196	197	204
Tons per worker:											
Per day	Sh./tons	18.84	14.74	14.84	14.68	15.33	16.32	18.08	18.13	20.98	(NA)
Per year	Sh./tons	4,296	3,420	3,235	2,952	3,158	3,427	3,363	3,497	4,133	4,308
Production, by State:											
Alabama	Mil. sh. tons	20.6	22.6	21.5	20.6	23.9	26.4	24.5	26.6	23.8	26.3
Illinois	Mil. sh. tons	65.1	59.5	53.5	48.6	59.5	62.5	51.9	60.3	56.8	63.9
Indiana	Mil. sh. tons	22.3	25.1	27.8	24.2	27.5	30.9	29.3	31.8	31.8	37.4
Kentucky	Mil. sh. tons	125.3	143.6	146.3	135.7	149.8	150.1	157.6	150.2	131.2	164.6
Montana	Mil. sh. tons	3.4	22.1	27.2	26.6	32.5	29.9	33.6	27.9	28.9	33.1
Ohio	Mil. sh. tons	55.4	46.8	47.9	41.2	43.5	39.4	37.4	36.5	33.8	40.5
Pennsylvania	Mil. sh. tons	80.5	84.1	84.6	81.5	89.2	87.1	78.1	79.4	69.8	72.3
Virginia	Mil. sh. tons	35.0	35.5	37.6	31.9	37.0	41.0	42.0	39.8	35.0	35.5
West Virginia	Mil. sh. tons	144.1	109.3	95.4	85.3	112.4	121.6	112.8	128.5	115.0	130.9
Wyoming	Mil. sh. tons	7.2	23.8	46.0	58.3	71.8	94.9	103.0	103.0	112.2	130.9
Other States	Mil. sh. tons	44.0	76.0	103.5	111.2	129.2	139.8	148.2	154.1	143.8	154.7
COKE											
Production [5]	Mil. sh. tons	66.5	57.2	53.5	49.0	52.9	46.1	42.8	28.1	25.8	30.6
Oven coke [7]	Mil. sh. tons	65.7	56.5	53.1	49.0	52.9	46.1	42.8	28.1	25.8	30.6
Value of product at plant	Mil. dol.	2,193	5,261	5,536	6,557	6,662	6,029	(NA)	(NA)	(NA)	(NA)
Coke and breeze	Mil. dol.	1,899	4,607	4,653	5,635	5,459	4,784	(NA)	(NA)	(NA)	(NA)
Avg. market value per ton	Dollars	28	84	85	97	98	103	113	115	114	105
Coal charged	Mil. sh. tons	96.5	83.6	77.7	71.4	77.4	66.7	61.0	40.9	37.0	44.0
Average value per ton	Dollars	12.47	44.21	46.26	52.10	50.70	56.26	62.86	64.97	59.30	56.54
Yield of coke from coal	Percent	69.1	68.4	68.8	68.6	68.4	69.2	70.1	68.7	69.7	69.4

NA Not available. Z Less than $500,000. [1] Preliminary. [2] Includes bituminous coal, lignite, and anthracite. [3] All domestic product data for 1970–1978 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. Beginning 1982, includes anthracite, which accounts for approximately 0.5 percent of total coal production. [4] Includes some categories not shown separately. [5] Data for 1970–1978 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes all types of coal. [6] Includes beehive coke. [7] Prior to 1978, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1970 and 1975, U.S. Bureau of Mines, *Minerals Yearbook;* thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production; Coal Production,* annual; *Coke Plant Report,* and *Quarterly Coal Report.*

No. 1263. World Coal Trade: 1973 to 1983

[In millions of short tons]

COUNTRIES	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
EXPORTING COUNTRIES											
Total [1]	**190.9**	**209.9**	**212.5**	**210.2**	**224.7**	**222.5**	**254.9**	**276.0**	**287.4**	**291.3**	**284.2**
United States	53.6	60.7	66.3	60.0	54.3	40.7	66.0	88.7	106.5	106.5	76.5
Australia	31.0	32.5	33.5	34.3	42.3	42.6	44.6	46.6	54.3	44.8	59.9
South Africa	2.1	2.5	3.0	6.6	14.0	17.0	25.7	29.9	32.5	29.9	32.2
Soviet Union	27.0	28.9	28.8	29.6	31.1	31.6	28.4	26.2	22.5	23.0	24.1
West Germany	15.3	19.2	16.2	14.4	16.0	21.0	17.2	13.8	13.1	11.2	11.5
Canada	12.1	11.9	12.9	13.0	13.3	15.1	15.3	16.1	17.7	16.4	17.6
Poland	39.5	44.1	42.4	42.9	43.3	44.2	45.6	34.3	16.6	30.6	39.0
China	[2].3	[2].4	[2].5	.4	.5	.9	1.7	4.2	4.1	5.1	6.2
IMPORTING COUNTRIES											
Total [1]	**190.9**	**209.9**	**212.5**	**210.2**	**224.7**	**222.5**	**254.9**	**276.0**	**287.4**	**291.3**	**284.2**
Western Europe	67.0	79.3	80.8	80.2	85.9	94.3	107.4	126.9	129.4	126.5	117.1
Japan	62.7	70.7	68.5	67.0	67.1	57.5	64.5	75.6	86.0	86.5	81.6
Eastern Europe	36.3	35.6	35.1	35.4	36.8	38.4	40.2	34.8	30.1	37.0	41.2
Canada	16.5	13.6	16.8	16.1	16.9	14.6	19.4	17.4	16.3	17.3	16.2

[1] Includes countries not shown separately. [2] Includes trade with Japan only.

Source: U.S. Energy Information Administration, *Annual Prospects for World Coal Trade 1985.*

No. 1264. Cement, Sand, Gravel, Stone, Gypsum, Lime, and Phosphate Rock: 1970 to 1984

[See also *Historical Statistics, Colonial Times to 1970,* series M 188-194 and series M 203-204. Lime excludes Puerto Rico]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Cement production [1]	**Mil. sh. ton**	**76.1**	**69.7**	**80.1**	**85.5**	**85.9**	**76.7**	**72.9**	**64.3**	**71.3**	**78.7**
Portland	Percent	96.1	95.8	95.3	95.2	95.6	95.9	96.2	96.5	95.9	95.8
Shipments [2]	Mil. sh. ton	76.4	70.7	81.6	88.0	87.2	77.7	73.0	65.1	71.9	81.2
Portland	Mil. sh. ton	73.4	67.8	77.9	83.8	83.4	74.7	70.2	62.7	68.9	77.9
Value	Mil. dol	1,366	2,220	3,000	3,623	4,061	3,780	3,666	3,199	3,440	4,020
Average per ton	Dollar	17.88	31.41	36.76	41.17	46.57	50.89	52.20	51.04	49.89	51.62
Imports	Mil. sh. ton	2.5	3.6	4.0	6.6	9.4	5.2	4.0	2.9	4.3	8.8
Value	Mil. dol	34	71	94	191	302	196	151	111	161	294
Exports	1,000 sh. ton	123	417	236	55	149	186	300	201	118	80
World production (est.)	Mil. sh. ton	630	774	879	940	962	977	977	972	1,008	1,059
Sand and gravel sold [3]	**Mil. sh. ton**	**944**	**789**	**929**	**996**	**979**	**793**	**720**	**621**	**682**	**803**
Value	Mil. dol	1,116	1,340	2,028	2,302	2,427	2,289	2,260	1,998	2,270	2,621
Stone sold or used by producers	**Mil. sh. ton**	**869**	**901**	**955**	**1,051**	**1,101**	**985**	**874**	**791**	**863**	**957**
Value	Mil. dol	1,470	2,120	2,457	2,886	3,399	3,405	3,276	3,056	3,475	3,911
Crude gypsum: [4]											
Active establishments [5]	Number	108	110	115	116	113	114	113	109	111	113
Apparent supply	Mil. sh. ton	15.5	15.1	20.3	23.1	22.3	19.7	18.9	17.1	20.8	23.1
Mined	Mil. sh. ton	9.4	9.8	13.4	14.9	14.6	12.4	11.5	10.5	12.9	14.3
Imports for consumption	Mil. sh. ton	6.1	5.4	7.1	8.3	7.8	7.4	7.6	6.7	8.0	8.9
Exports	1,000 sh. ton	41	75	143	132	91	88	157	123	117	131
Calcined gypsum produced	**Mil. sh. ton**	**8.4**	**9.2**	**12.6**	**14.0**	**14.5**	**11.8**	**11.7**	**11.2**	**13.9**	**15.5**
Value	Mil. dol	132	186	278	387	442	270	243	196	270	321
Gypsum products sold, value [6]	**Mil. dol**	**353**	**514**	**911**	**1,248**	**1,392**	**1,242**	**1,196**	**1,122**	**1,606**	**2,274**
Building uses, value	Mil. dol	323	466	843	1,171	1,312	1,149	1,099	1,032	1,504	2,162
Lime:											
Active plants	**Number**	**194**	**171**	**161**	**155**	**154**	**153**	**150**	**147**	**139**	**132**
Quantity sold	1,000 sh. ton	19,747	19,133	19,947	20,443	20,945	19,010	18,856	14,075	14,867	15,922
Value	Mil. dol	286	524	666	750	862	843	884	696	758	811
Per ton	Dollars	14.49	27.38	33.41	36.67	41.18	44.34	46.89	49.46	50.96	50.95
Phosphate rock:											
Mine production	**Mil. ton**	**125.5**	**187.5**	**184.0**	**191.2**	**204.8**	**231.4**	**202.5**	**114.8**	**138.6**	**179.7**
P_2O_5 content	Mil. ton	18.6	23.5	22.4	23.5	25.4	26.2	26.2	14.8	19.4	23.2
Marketable production	Mil. ton	38.7	48.8	52.1	55.2	56.9	60.0	59.1	41.2	46.9	54.2
P_2O_5 content	Mil. ton	12.0	15.0	16.1	16.9	17.5	18.4	18.0	12.7	14.4	16.4
Value	Mil. dol	203	1,122	822	929	1,046	1,257	1,438	950	1,021	1,182
Per ton	Dollars	5.25	22.99	15.77	16.84	18.38	20.95	24.33	23.04	21.75	21.80
Imports [7]	Mil. sh. ton	.14	.04	.17	1.00	.98	.54	.01	.03	.01	(NA)
Value	Mil. dol	3.8	1.6	6.1	24.4	21.6	12.9	.4	1.3	.4	.3
Per ton	Dollars	27.87	43.83	35.02	24.38	22.04	23.99	30.00	38.29	37.90	27.62
Exports	Mil. sh. ton	11.7	12.3	14.6	14.2	15.8	15.7	11.5	10.8	13.2	12.7
P_2O_5 content	Mil. sh. ton	3.8	4.0	4.7	4.5	5.1	5.0	3.6	3.5	4.2	4.0
Value	Mil. dol	60.0	429.2	288.6	297.4	356.5	431.4	373.2	293.6	327.3	324.8
Per ton	Dollars	5.11	34.98	19.79	20.94	22.56	27.41	32.57	27.06	24.73	25.56
Consumption, apparent [8]	Mil. sh. ton	27.2	34.2	37.9	40.6	43.6	45.0	38.7	31.7	38.4	46.0
World production	Mil. sh. ton	93.6	118.6	131.5	137.8	145.3	158.9	157.7	140.4	153.5	166.0

NA Not available.
[1] Includes Puerto Rico; excludes Alaska except for imports and exports. [2] Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement. [3] Represents sand stone and gravel used by producers. [4] Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. [5] Each mine, plant, or combination mine and plant is counted as one establishment. [6] Made from domestic, imported, and byproduct gypsum. [7] For consumption; P_2O_5 content not available. [8] Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1265. POTASH—SUMMARY: 1970 TO 1984

[In thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Production of potassium salts (marketable)	4,853	4,576	4,675	4,769	4,708	4,756	4,578	3,710	3,053	3,350
Approximate equivalent K_2O	2,729	2,501	2,457	2,483	2,453	2,468	2,377	1,966	1,575	1,724
Value [1] (mil. dol.)	98.1	223.1	206.9	226.5	279.2	(NA)	(NA)	(NA)	(NA)	(NA)
Sales of potassium salts by producers	4,703	3,819	4,675	4,804	5,014	4,701	4,045	3,734	3,252	3,510
Approximate equivalent K_2O	2,729	2,094	2,460	2,543	2,632	2,444	2,103	1,967	1,668	1,807
Value at plant (mil. dol.)	92.4	187.9	206.9	226.5	279.2	353.9	328.9	265.6	220.8	241.8
Per ton (dollars)	19.64	49.19	44.22	47.15	55.68	75.28	81.31	71.13	67.90	66.89
Imports for consumption of potash materials	4,403	6,271	8,386	8,556	9,375	9,031	8,712	6,986	8,071	8,761
Approximate equivalent K_2O	2,605	3,797	5,076	5,189	5,693	5,481	5,287	4,253	4,894	5,323
Value (mil. dol.)	94.7	267.2	373.8	399.2	520.8	648.0	750.4	575.4	600.6	658.1
Exports of potash materials	966	1,419	1,650	1,577	1,233	1,746	978	1,049	622	922
Approximate equivalent K_2O	544	779	932	892	700	926	541	572	331	492
Value (mil. dol.)	28.5	92.7	90.2	88.6	79.5	179.8	107.9	93.2	55.8	85.7
Apparent consumption of potassium salts [2]	8,140	8,671	11,405	11,782	13,156	11,987	11,779	9,671	10,701	11,349
Approximate equivalent K_2O	4,730	5,112	6,604	6,840	7,626	6,999	6,849	5,647	6,231	6,638
World production (marketable), approximate equivalent K_2O	20,013	27,269	27,836	28,795	28,404	30,707	29,849	27,187	30,232	31,568

NA Not available. [1] Derived from reported value of amount sold or used. [2] Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1266. SULFUR—SUMMARY: 1970 TO 1984

[In thousands of long tons, except value. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 195-199]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production, all forms [1]	**9,557**	**11,259**	**10,707**	**10,558**	**10,999**	**11,910**	**11,679**	**11,953**	**9,632**	**9,143**	**10,484**
Sulfur from Frasch mines	7,082	7,211	6,264	5,822	5,559	6,257	6,289	6,248	4,144	3,151	4,127
Recovered elemental sulfur	1,457	2,969	3,138	3,567	3,998	4,006	4,009	4,192	4,334	4,877	5,132
Pyrites, sulfur content only	339	237	286	166	296	394	317	302	261	(D)	(D)
Gross weight of total pyrites	845	625	750	435	766	1,033	834	784	665	(D)	(D)
Byproduct sulfuric acid [2]	537	767	942	945	1,086	1,148	987	1,141	815	818	947
Shipments, Frasch mines	6,504	6,077	5,860	5,935	5,645	7,388	7,283	5,817	3,541	4,046	4,922
Approximate value (mil. dol.)	152	305	300	295	280	449	721	716	435	414	546
Avg. value per long ton (dol.)	24	50	51	50	50	61	99	123	123	102	111
Imports for consumption:											
Crude sulfur	1,537	1,897	1,727	1,977	2,143	2,455	2,483	2,482	1,875	1,668	2,517
Pyrites, sulfur content [3]	130	-	-	-	-	-	-	-	-	-	-
Exports, sulfur	1,433	1,352	1,270	1,178	852	2,012	1,754	1,370	946	976	1,313

- Represents zero. D Withheld to avoid disclosure of individual company data. [1] Includes other byproduct sulfur compounds, not shown separately. [2] Represents sulfur content. Produced at copper, lead, and zinc plants. [3] Estimate.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1267. LEAD—SUMMARY: 1970 TO 1984

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-248]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Smelter production of refined primary lead	**667**	**636**	**653**	**605**	**623**	**634**	**604**	**546**	**565**	**567**	**436**
Domestic ores and base bullion [1]	528	530	569	536	553	584	560	485	507	508	364
Foreign ores and base bullion	139	106	84	68	70	50	43	61	58	61	72
Recovery of secondary lead	597	658	727	835	848	883	745	707	630	555	642
Imports, general:											
Lead in pigs and bars	244	101	146	261	244	211	90	112	101	144	178
Lead in ores and matte	112	88	76	73	58	44	49	65	39	52	76
Exports of refined pig lead [2]	8	21	6	10	9	12	181	26	56	19	5
Consumption of metal, primary and secondary	1,361	1,297	1,490	1,582	1,579	1,497	1,180	1,287	1,185	1,266	2,473
Average price, common lead:											
New York (cents per lb.)	15.69	21.53	23.10	30.70	33.65	52.64	42.46	36.53	25.54	21.68	25.55
London (cents per lb.)	13.76	18.73	20.46	28.00	29.86	54.52	41.21	33.30	24.66	19.27	20.12
Mine production of recoverable lead [3]	572	621	610	592	584	579	607	491	565	495	355
Value [3] (mil. dol.)	179	267	282	364	394	610	515	359	289	215	181
World smelter production, primary (est.)	3,628	3,633	3,568	3,516	3,466	3,611	3,508	3,439	3,512	3,560	3,452
World smelter capacity	(NA)	(NA)	5,190	5,255	5,230	5,241	(NA)	(NA)	(NA)	5,027	5,027

NA Not available. [1] Excludes lead content of antimonial lead. [2] Pigs, bars, and anodes. [3] Includes Alaska.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1268. Iron Ore—Summary: 1970 to 1984

[**In millions of long tons, except as indicated.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970,* series M 205-211]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Number of mines	74	67	65	54	51	49	37	32	27	20	20
Production [1]	**89.8**	**78.9**	**80.0**	**55.8**	**81.6**	**85.7**	**69.6**	**73.2**	**35.4**	**37.6**	**51.3**
Lake Superior	69.6	66.7	67.4	44.0	72.7	77.2	62.3	67.5	31.0	35.6	49.7
Northeastern	3.5	1.9	2.4	2.0	} 8.9	8.6	7.3	5.7	4.4	2.0	1.6
Western	14.3	9.6	10.1	9.8							
Hematite [2]	33.6	19.2	19.3	11.5	15.9	13.9	11.8	10.6	6.7	5.4	} (NA)
Magnetite [2]	53.8	58.4	59.3	43.1	64.8	71.0	57.8	62.6	28.7	32.2	
Other	2.4	1.2	1.4	1.1	.8	.8	–	–	–	–	
Shipments [3]	87.2	75.7	77.1	54.1	83.2	86.2	69.6	72.2	35.8	44.6	50.9
Value [3] (mil. dol.)	942	1,621	1,871	1,423	2,401	2,814	2,544	2,915	1,492	1,945	2,248
Average price per ton at mine (dol.)	10.80	21.41	24.28	26.32	28.86	32.64	36.56	40.39	41.72	43.61	44.17
Stocks, Dec. 31 (at mines)	15.3	12.3	14.0	14.8	12.4	11.3	11.7	12.7	12.1	4.1	5.3
Price (Lake Superior ores) Dec. 31:											
Natural ores, basis 51.5% Fe (dol./lg. ton)	10.80	18.50	20.26	21.18	22.30	24.56	28.50	32.53	32.53	30.03	30.03
Imports for consumption [4]	44.9	46.7	44.4	37.9	33.6	33.8	25.1	28.3	14.5	13.2	17.2
Canada	23.9	19.1	25.0	25.3	19.2	22.6	17.3	18.8	9.3	8.8	11.2
Venezuela	13.0	13.1	9.0	6.2	6.1	4.6	3.6	5.1	1.6	1.3	1.5
Brazil	2.0	7.5	5.4	2.2	4.0	3.1	2.0	1.7	1.0	1.3	2.5
Value (mil. dol.)	480	860	980	957	845	923	773	948	471	446	529
Exports	5.5	2.5	2.9	2.1	4.2	5.1	5.7	5.5	3.2	3.8	5.0
Value (mil. dol.)	68	60	82	63	137	179	231	245	151	183	239
World production (est.)	754	902	885	828	833	889	877	843	767	724	789

– Represents zero. NA Not available. [1] Includes Southeastern district and byproduct ore, not shown separately. [2] Predominant mineral. [3] Beginning 1976, includes byproduct ore. [4] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1269. Gold and Silver—Summary: 1970 to 1984

[See *Historical Statistics, Colonial Times to 1970,* series M 268-269, for mine production]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984, prel.
GOLD										
Ore produced [1]	1,000 sh. ton	3,687	5,722	4,292	7,046	9,893	12,729	17,918	23,222	30,056
Production, U.S	1,000 fine oz.	1,743	1,052	999	964	970	1,379	1,466	1,956	2,059
Value	Mil. dol.	63	170	193	297	594	634	551	830	743
World production	1,000 fine oz.	47,522	38,476	39,057	38,830	39,179	41,257	43,083	44,882	46,035
Industrial consumption U.S., net	1,000 fine oz.	5,973	3,993	4,738	4,785	3,215	3,276	3,423	3,061	3,082
Imports [2]	Mil. dol.	237	457	903	1,480	2,750	2,157	1,894	1,977	2,947
Canada	Mil. dol.	152	182	339	565	1,234	1,314	1,124	987	1,554
Soviet Union	Mil. dol.	–	1	287	549	88	22	4	–	–
South Africa	Mil. dol.	(z)	6	1	3	33	188	38	16	8
Exports	Mil. dol.	38	493	1,114	4,908	3,648	3,072	1,089	1,326	1,813
Price per fine oz.[3]	Dollars	36.4	161.5	193.6	307.5	612.6	459.6	375.9	424.0	360.7
Production:										
Nevada	1,000 fine oz.	480	333	261	250	278	525	757	915	998
South Dakota	1,000 fine oz.	579	305	286	246	268	278	185	310	311
Utah	1,000 fine oz.	408	190	236	261	180	228	175	238	(D)
SILVER										
Ore produced [1] [4]	1,000 sh. ton	934	919	1,840	1,822	2,936	5,579	6,636	8,618	9,392
Production, U.S	1,000 fine oz.	45,006	34,938	39,385	37,896	32,329	40,683	40,248	43,415	44,440
Value	Mil. dol.	80	154	213	420	667	428	320	497	362
World production	1,000 fine oz.	300,991	303,112	344,978	348,120	342,804	359,571	381,533	392,268	398,554
Industrial consumption U.S., net [5]	1,000 fine oz.	128,404	157,650	160,165	157,258	124,694	116,670	118,840	116,464	114,841
Imports [2]	Mil. dol.	104	394	389	962	1,606	1,028	927	2,124	963
Canada	Mil. dol.	64	150	180	277	660	375	303	420	301
Mexico	Mil. dol.	9	96	94	257	282	228	205	340	336
Peru	Mil. dol.	19	76	85	188	354	273	143	269	197
Exports	Mil. dol.	49	148	119	471	1,910	332	209	377	206
Price per fine oz.[3] [5]	Dollars	1.77	4.42	5.40	11.09	20.63	10.52	7.95	11.44	8.14
Production: [4]										
Idaho	Mil. fine oz	19.1	13.9	18.4	17.1	13.7	16.5	14.8	17.7	18.9
Arizona	Mil. fine oz	7.3	6.3	6.6	7.5	6.3	8.1	6.3	4.5	4.1
Utah	Mil. fine oz	6.0	2.8	2.9	2.5	2.2	2.9	4.3	4.6	(D)
Colorado	Mil. fine oz	2.9	3.4	4.2	2.8	3.0	3.0	1.9	2.1	2.2

– Represents zero. D Withheld to avoid disclosure. Z Less than $500,000. [1] Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver. [2] General imports, 1970 and 1975; thereafter, imports for consumption. [3] Selling price. [4] Includes gold-silver ore. [5] Excludes coinage.

Source: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1270. Copper—Summary: 1970 to 1984

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, *except for imports and exports. See also Historical Statistics, Colonial Times to 1970,* series M 235-241]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984, prel.
New (primary) copper produced:										
Mines (from domestic ores)	1,720	1,413	1,504	1,496	1,595	1,302	1,696	1,264	1,144	1,203
Copper ore produced [1] (mil. sh. tons)	258	263	260	264	306	244	306	201	196	189
Average yield of copper (percent)	.59	.47	.52	.51	.47	.48	.51	.55	.51	.57
Smelters (from domestic ores)	1,605	1,374	1,394	1,400	1,448	1,096	1,427	1,037	979	1,091
Percent of world total	24	17	16	16	16	13	16	12	11	13
Refineries (from domestic ores)	1,521	1,286	1,411	1,463	1,557	1,241	1,577	1,173	1,106	1,195
From foreign ores, matte, etc., refinery	244	157	85	134	114	98	125	179	197	128
Total new refined, domestic and foreign	1,765	1,443	1,496	1,597	1,671	1,339	1,702	1,352	1,303	1,323
Secondary copper produced	1,248	972	1,196	1,375	1,711	1,584	1,563	1,309	1,194	1,256
Recovered from old scrap only	504	369	452	553	666	676	659	571	495	513
Imports (unmanufactured) [2]	392	324	437	586	310	603	474	558	636	573
Refined	132	147	387	444	225	471	364	285	507	490
Exports of refined metallic copper	221	172	52	101	81	16	27	34	90	101
Stocks (producers), Dec. 31	470	519	580	459	374	354	472	552	362	390
Mine production of primary copper	1,720	1,413	1,504	1,496	1,595	1,302	1,696	1,264	1,144	1,203
Arizona	918	813	924	983	1,043	849	1,147	848	748	823
Montana	120	88	86	74	77	42	69	72	37	(D)
New Mexico	166	146	165	141	181	165	170	(D)	(D)	(D)
Utah	296	177	194	205	213	174	233	208	187	(D)
Other States	220	189	135	93	77	72	77	136	173	380
Avg. price, domestic production (cents per lb.)	58.2	64.2	66.8	66.5	93.3	102.4	85.1	74.3	79.3	68.2
World smelter production	6,752	8,069	8,967	8,759	8,833	8,432	8,820	8,719	8,920	9,104
World smelter capacity	(NA)	(NA)	(NA)	10,900	11,180	(NA)	(NA)	(NA)	12,692	12,695

D Withheld to avoid disclosure of individual company data. NA Not available. [1] Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper." [2] Includes copper imported for immediate consumption plus material entering country under bond. Beginning 1977, includes imports for consumption. Comprises copper in ores and concentrates, matte, refined, blister, and scrap.

No. 1271. Molybdenum Concentrates—Summary: 1970 to 1984

[In millions of pounds of contained molybdenum, except as indicated. See *Historical Statistics, Colonial Times to 1970,* series M 227-228, *for production and exports of ores and concentrates*]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Production	111.4	112.0	106.0	113.2	122.4	131.8	144.0	150.7	139.9	84.4	33.6	103.7
Shipments from mines	110.4	118.2	105.2	114.5	125.0	130.7	143.5	149.3	118.9	76.1	48.8	102.4
Average price per pound [1] (dol.)	1.92	2.24	2.74	3.26	4.02	4.86	6.07	9.00	6.85-8.50	8.50	3.64	3.56
Value (mil. dol.)	190.1	234.7	259.3	333.5	450.4	607.9	871.1	1,344.2	945.5	504.1	166.6	326.8
Exports [2]	55.7	78.7	62.6	62.5	65.7	69.2	72.2	68.2	51.4	49.8	47.1	63.4
Imports for consumption	(Z)	.2	2.6	2.1	2.0	2.7	2.3	1.6	2.0	3.1	1.7	(Z)
Consumption	76.1	91.7	90.0	85.0	91.0	96.4	103.2	108.2	80.7	49.4	27.0	54.8
Stocks (industry), Dec. 31 [3]	9.7	18.7	10.7	9.4	9.2	9.0	9.5	18.1	35.0	38.5	11.6	12.5
World production, estimate	[4] 161.1	185.6	180.3	195.5	209.7	220.6	229.4	243.8	240.0	214.8	140.3	208.7

Z Less than 50,000 pounds. [1] Molybdenum in technical-grade oxide, f.o.b., plant of major producer, domestic sales. [2] Includes roasted concentrates. [3] At mines and at plants making molybdenum products. [4] Free world.

No. 1272. Cobalt—Summary: 1970 to 1984

[In millions of pounds of contained cobalt, except price]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production: Mine	.7	-	-	-	-	-	-	-	-	-	-	-
Secondary (scrap) [1]	.1	.3	.3	.3	.5	1.0	1.2	1.2	1.0	.9	.7	.9
Imports [2]	12.4	16.1	6.6	16.5	17.5	19.0	20.0	16.3	15.6	12.9	17.2	25.3
Zaire	(NA)	7.5	2.2	6.8	7.5	7.9	8.8	6.2	4.2	5.0	7.7	11.7
Zambia	(NA)	.1	-	1.7	2.4	2.1	3.5	2.2	1.5	1.2	2.3	3.8
Finland	(NA)	.9	1.1	.8	1.3	.9	1.2	1.1	1.2	.8	1.0	1.0
Exports [3]	1.5	1.3	1.8	1.8	.9	1.5	.7	.6	.8	.6	.8	.7
Consumption	13.4	16.9	12.8	16.5	16.6	20.0	17.4	15.3	11.7	9.5	11.3	12.9
Inventories	81.0	56.0	49.5	44.1	44.5	45.2	44.2	43.3	42.2	45.1	47.3	47.6
Government [4]	79.1	54.0	47.6	41.0	40.9	40.8	40.8	40.8	40.6	43.8	45.9	46.2
Private [5]	1.9	2.0	1.8	3.2	3.7	4.4	3.4	2.5	1.4	1.3	1.4	1.4
Price per pound [6] (dollars): Low	2.20	3.46	3.98	4.44	5.58	6.40-	20.00-	25.00	14.58	8.56	5.76	10.40
High						20.00	25.00					

- Represents zero. NA Not available. [1] Reported consumption of purchased scrap. [2] Includes countries not shown separately. [3] Content of unwrought cobalt and cobalt alloys, and waste and scrap. [4] Includes cobalt sold but not delivered. [5] Consumer stocks only. [6] 1970-77 weighted average based on the market price quoted by a major U.S. cobalt dealer; otherwise based on range of prices; 1980-84 weighted average "Metals Week" prices.

Source of tables 1270-1272: U.S. Bureau of Mines, *Minerals Yearbook.*

No. 1273. Nickel—Summary: 1970 to 1984

[**Quantities in thousands of short tons.** Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Mine production	16	17	17	16	14	14	15	15	12	3	–	15
Plant production:												
Primary [1]	16	14	14	14	13	11	12	11	10	3	(D)	10
Secondary [2]	49	65	42	47	45	44	57	49	52	43	50	59
Imports (est. nickel content)	156	221	161	188	195	240	177	189	209	130	152	177
Exports (gross weight)	31	30	30	47	39	36	51	57	47	57	44	51
Consumption	156	208	146	163	155	181	196	156	145	104	128	137
Stocks (consumer), Dec. 31	25	45	35	32	19	20	20	15	23	19	20	21
Price per pound [3] (dollars)	1.33	2.01	2.20	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22
World production, est	693	849	890	873	913	725	756	859	805	675	723	820

– Represents zero. D Withheld to avoid disclosing company proprietary data. [1] From domestic ores. [2] Includes nickel recovered from iron and steel scrap. [3] Through 1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario; thereafter, New York dealer price.

No. 1274. Tin—Summary: 1970 to 1984

[**In thousands of short tons, except price.** See headnote, table 1273, for exclusions]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Production: Domestic smelters	(D)	7.2	6.3	7.4	6.5	5.1	3.3	2.2	3.9	2.8	4.4
Secondary sources	22.4	17.5	18.1	20.4	23.3	23.7	20.5	17.0	15.8	15.7	17.0
Imports for consumption:											
Metal	56.7	48.9	49.7	52.7	51.6	53.3	50.7	50.6	30.8	37.5	45.4
Ore (tin content)	5.2	7.1	6.3	7.4	4.3	5.0	.9	.3	2.2	1.1	3.6
Exports	5.0	4.0	2.6	6.0	5.2	3.8	[1] .7	[1] 2.6	[1] 6.4	[1] 1.5	[1] 1.6
Price of Straits tin at NY, dol. per lb.[2]	1.74	3.40	3.80	5.35	6.30	7.54	8.46	7.33	6.54	6.55	6.24
Consumption	83	62	69	67	68	69	62	60	51	50	54
World mine production, est	256	245	241	254	266	270	270	278	260	232	229

D Withheld to avoid disclosure of individual company data. [1] Excludes reexports. [2] See footnote 5, table 1242.

No. 1275. Tungsten Concentrate—Summary: 1970 to 1984

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-226, for related data]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Production:											
Concentrates (60% WO_3 basis) [1]	1,000 sh. ton	10.1	5.8	6.3	7.3	7.0	6.3	8.2	3.6	(NA)	(NA)
Tungsten content	Mil. lb	9.3	5.5	6.0	6.9	6.6	6.0	7.8	3.5	2.2	2.6
Shipments from mines:											
Reported value f.o.b. mines	Mil. dol	23.8	29.1	55.1	56.7	55.8	50.6	62.2	22.1	10.5	13.4
Avg. value per lb. of tungsten	Dollars	2.55	5.30	9.15	8.22	8.40	8.38	7.96	6.35	4.70	5.18
Imports, general [2]	Mil. lb	1.3	6.9	6.8	[3] 9.1	[3] 11.4	[3] 11.4	[3] 11.8	[3] 7.8	[3] 6.3	12.8
Consumption [2]	Mil. lb	16.7	14.0	17.1	18.8	21.6	20.4	21.7	9.9	11.4	18.9
Stocks,[2] end of year	Mil. lb	2.2	2.5	1.0	1.5	1.6	1.4	1.7	4.0	2.5	2.2
World production [2]	Mil. lb	71.4	84.5	90.5	101.5	107.1	114.6	108.2	100.7	86.9	99.1

NA Not available. [1] A short ton of 60% tungsten trioxide (WO_3) contains 951.72 pounds of tungsten. [2] Tungsten content. [3] Imports for consumption.

Source of tables 1273-1275: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1276. U.S. Uranium Industry—Summary: 1973 to 1984

[Middle demand case. See table 987. See also *Historical Statistics, Colonial Times to 1970*, series M266-267]

ITEM	Unit	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production	1,000 sh. tons	13.2	11.6	12.8	14.9	18.5	18.7	21.9	19.2	13.4	10.6	7.4
Net imports (U_3O_8)	1,000 sh. tons	–.6	.2	1.2	.8	–.8	–1.6	–1.1	–1.1	6.3	2.4	6.3
Utility inventories (U_3O_8 equivalent)	1,000 sh. tons	(NA)	(NA)	[1] 20.5	[1] 21.5	35.6	42.8	54.4	64.0	68.6	75.0	[2] 62.7
Price (1983 dol./lb U_3O_8):												
Long-term contract price	Dollars	20.40	36.50	46.30	46.40	45.30	43.10	35.50	29.40	25.90	27.20	22.60
Spot market price	Dollars	13.10	40.80	65.00	65.20	62.20	56.40	38.60	26.80	20.80	23.00	16.60
Delivered price	Dollars	14.50	18.10	26.30	30.50	31.10	31.60	34.20	35.70	41.60	38.20	[3] 31.30
Capital expenditures (1983 dollars)	Mil. dol	(NA)	461	697	1,159	1,069	1,060	949	461	173	67	34
Mining and milling	Mil. dol	(NA)	251	417	760	617	642	625	300	96	30	10
Exploration	Mil. dol	100	210	280	399	452	418	324	161	77	37	24
Employment	1,000	6.6	9.7	13.1	18.8	21.4	22.2	19.9	13.7	9.1	5.6	3.3
Mining and milling	1,000	5.0	7.6	10.3	14.6	17.0	18.1	16.5	11.4	8.3	5.2	3.1
Exploration	1,000	1.6	2.0	2.8	4.1	4.4	4.1	3.4	2.3	.8	.4	.2

NA Not available. [1] Natural U_3O_8 only. [2] Includes natural U_3O_8 (uranium oxide), natural UF_6 (uranium hexafluoride), natural UF_6 under usage agreement, UF_6 at enrichment suppliers, enriched UF_6 and fabricated fuel. [3] Average U.S. contract prices and market price settlements.

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual.

No. 1277. Zinc—Summary: 1970 to 1984

[**Production in thousands of short tons.** Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249-250, for production]

ITEM AND STATE	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Smelter production, primary slab zinc	878	555	438	499	450	448	521	375	382	252	260	279
Value (mil. dol.)	236	399	341	369	310	276	369	261	341	194	215	271
From domestic ores	404	347	308	382	355	295	281	256	286	213	232	218
From foreign ores	474	208	130	117	95	154	240	120	96	38	28	61
Production, redistilled secondary slab zinc	77	79	58	69	51	38	59	32	55	82	76	86
Avg. price of common zinc (cents per lb.)	15.3	36.0	39.0	37.1	34.4	31.0	37.3	37.4	44.6	36.5	41.4	46.6
World smelter production, est	5,321	6,183	5,526	5,986	6,407	6,483	6,900	6,668	6,708	6,461	6,835	7,107
World smelter and refining capacity	(NA)	6,940	(NA)	7,545	7,666	8,487	8,524	(NA)	(NA)	(NA)	8,529	8,600
Mine production, recoverable zinc	534	500	469	485	450	334	295	350	344	334	303	279
Colorado	57	49	48	51	40	24	11	15	(D)	(D)	(D)	(D)
Idaho	41	39	41	47	31	36	33	31	(D)	(D)	(D)	(D)
Missouri	51	92	75	84	82	65	68	69	58	70	63	50
New York	59	93	77	74	71	29	13	37	41	58	63	(D)
Tennessee	118	86	83	83	90	97	94	123	130	134	121	126
Other States	208	141	145	146	136	83	76	75	116	72	56	101

D Withheld to avoid disclosure of individual company data. NA Not available.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1278. Bauxite—Summary: 1970 to 1984

[See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production:												
Crude ore	Mil. lg. ton	2.5	2.2	2.4	2.4	2.0	2.2	1.8	1.8	.9	.8	1.0
Dried bauxite	Mil. lg. ton	2.1	1.8	2.0	2.0	1.6	1.8	1.5	1.5	.7	.7	.8
Value	Mil. dol	30.1	25.1	26.6	27.6	23.2	24.9	22.4	26.5	12.3	11.3	15.6
Imports [1] (crude, dried)	Mil. lg. ton	13.6	11.5	12.5	12.9	13.8	13.6	13.9	12.6	10.0	7.5	9.3
Jamaica	Mil. lg. ton	7.5	5.4	6.2	6.4	6.4	6.4	6.0	5.3	4.0	3.0	3.7
Guinea	Mil. lg. ton	.5	2.6	3.0	3.0	3.4	3.9	4.0	3.5	4.1	3.5	3.7
Suriname	Mil. lg. ton	2.9	1.9	1.5	1.9	2.3	1.5	1.3	1.1	.4	.2	.3
Value [2]	Mil. dol	159.6	245.1	315.1	349.5	397.5	389.1	(NA)	(NA)	(NA)	(NA)	(NA)
Exports (as shipped)	1,000 lg. ton	3	19	15	26	13	15	21	20	48	73	81
Value	Mil. dol	.2	1.7	1.3	2.3	1.5	3.3	(NA)	(NA)	(NA)	(NA)	(NA)
Consumption (dry equivalent)	Mil. lg. ton	15.7	12.4	13.8	14.3	14.5	15.4	15.7	13.3	9.1	9.0	10.4
World production, est	Mil. lg. ton	56.9	73.6	76.2	80.1	79.7	84.2	87.8	84.1	76.9	77.6	83.3

NA Not available. [1] Includes countries not shown separately. [2] See footnote 1, table 1245.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1279. Aluminum—Summary: 1970 to 1984

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production	Mil. sh. ton	4.8	4.9	5.4	5.8	6.1	6.4	6.5	6.4	5.2	5.4	6.4
Primary aluminum	Mil. sh. ton	4.0	3.9	4.3	4.5	4.8	5.0	5.1	4.9	3.6	3.7	4.5
Plant capacity	Mil. sh. ton	4.3	5.0	5.2	5.2	5.2	5.3	5.5	5.5	5.5	5.5	5.4
Secondary aluminum [1]	Mil. sh. ton	.8	1.0	1.2	1.3	1.3	1.4	1.4	1.5	1.6	1.7	1.9
Value [2] (primary metal)	Bil. dol	2.6	3.7	4.8	6.0	6.6	7.8	9.3	9.8	8.0	8.5	10.4
Primary aluminum	Bil. dol	2.2	3.0	3.8	4.7	5.2	6.1	7.3	7.5	5.5	5.8	7.3
Price (cents per lb.[3])	Cents/lb	28.7	39.8	44.5	51.6	54.0	61.0	71.6	76.0	76.0	77.8	81.0
Secondary aluminum	Bil. dol	.5	.8	1.0	1.3	1.4	1.7	2.0	2.3	2.5	2.7	3.1
Imports for consumption [4]	1,000 sh. ton	468	550	749	836	1,080	840	713	935	968	1,203	1,628
Value	Bil. dol	.2	.4	.6	.8	1.1	1.0	1.0	1.4	1.3	1.6	2.5
Exports [4]	1,000 sh. ton	612	440	484	411	520	773	1,483	867	824	855	809
Value	Bil. dol	.4	.4	.5	.5	.7	1.1	2.4	1.5	1.2	1.3	1.3
Shipments [5] (net domestic)	Mil. sh. ton	4.5	4.6	5.8	6.1	6.8	6.9	6.1	6.2	5.6	6.4	7.2
World production, est	Mil. sh. ton	10.6	13.4	13.9	15.2	15.6	16.0	17.0	16.6	14.6	15.4	17.1
World plant capacity	Mil. sh. ton	12.0	16.4	17.6	18.0	18.9	19.4	18.7	19.0	19.2	19.5	20.1

[1] Recoverable aluminum content from scrap, old and new. [2] Based on published producers' prices for primary metal. [3] Average of prices for primary aluminum, 1970-1978, quoted by *American Metal Market*; thereafter *Metals Week*. [4] Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap). [5] Compiled by Aluminum Association from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1280. Magnesium—Summary: 1970 to 1984

[In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production (domestic)	124	148	151	159	185	200	209	200	145	161	207
Primary [1]	112	120	120	126	149	162	169	154	102	115	159
Secondary (recovered from scrap)	12	28	31	33	36	37	40	46	43	46	48
Exports	36	33	13	28	42	54	57	35	40	47	48
Value (mil. dol.)	22.5	48.2	26.9	51.8	75.8	113.8	127.7	90.8	104.8	124.7	136.7
Imports	3	8	15	6	7	5	4	7	5	6	9
Value (mil. dol.)	2.5	11.5	22.7	8.0	10.1	9.0	8.3	17.6	15.6	16.3	25.7
Consumption	93	94	104	104	109	109	96	91	75	82	90
Castings and wrought products	23	19	17	20	19	19	17	15	14	15	14
Alloys (aluminum)	37	47	54	56	59	61	54	51	40	46	49
Other	33	28	33	28	31	29	24	25	21	21	27
Price per pound (cents)	35	82	87–92	96–99	99–101	101–109	107–125	125–134	134	138	143–148
World production (primary)	242	258	275	284	318	339	348	336	277	286	358

[1] For 1975–1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production.

No. 1281. Platinum-Group Metals—Summary: 1970 to 1984

[In thousands of troy ounces, except as indicated. The platinum group is comprised of six closely related metals. The metals commonly occur together in nature and are among the scarcest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; are used as catalysts in the chemical, petroleum refining, and automotive industries, and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984 [1]
World mine production, total [2]	4,239	5,714	6,229	6,511	6,440	6,487	6,848	6,931	6,424	6,524	7,053
United States	17	19	6	6	8	7	3	7	8	6	15
U.S.S.R.	2,200	2,650	3,050	3,100	3,150	3,200	3,250	3,350	3,500	3,600	3,700
South Africa	1,503	2,600	2,700	2,870	2,860	3,017	3,100	3,110	2,600	2,600	2,900
Primary refined	21	17	7	5	8	8	3	7	9	9	24
Secondary refined	350	270	215	195	257	309	331	392	344	303	339
Imports	1,411	1,820	2,667	2,510	2,921	3,479	3,502	2,850	2,494	3,218	4,474
Value (mil. dol.)	105	273	292	273	450	841	1,177	800	554	753	1,118
Exports	414	660	512	427	703	900	765	863	836	1,229	1,162
Value (mil. dol.)	43	88	53	46	102	202	341	302	182	310	275
Consumption [3]	1,331	1,309	1,603	1,592	2,260	2,756	2,206	1,921	1,873	1,914	2,469
Industry stocks, Jan. 1	1,068	1,122	849	1,086	1,013	861	761	973	918	1,107	943
Producer price per troy ounce (dol.):											
Platinum	133	164	162	162	237	352	439	475	475	475	475
Palladium	38	93	51	60	71	113	214	130	110	130	147
Rhodium	215	398	348	441	510	733	766	641	600	600	625
Iridium	156	477	325	258	300	257	505	600	600	600	600
Ruthenium	53	60	60	60	56	45	45	45	45	45	[4] 45
Osmium	215	200	200	175	150	150	150	150	137	110	([5])

[1] Preliminary. [2] Includes countries not shown separately. [3] Reported sales to consumers. [4] Price suspended June 7, 1984. [5] Price suspended Jan. 13, 1984.

No. 1282. Titanium—Summary: 1970 to 1984

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Ilmenite concentrate:												
Mine shipments	1,000 sh. ton	921	702	618	542	581	646	594	524	233	(D)	(D)
Value	Mil. dol	18.6	26.9	27.6	25.2	25.6	33.0	32.0	37.0	19.1	(D)	(D)
Imports	1,000 sh. ton	96	122	168	335	309	184	357	236	348	259	410
Value	Mil. dol	1.0	2.1	2.6	5.7	4.5	2.8	6.7	5.9	8.8	9.3	11.1
Consumption	1,000 sh. ton	972	748	822	867	792	791	849	856	583	731	783
Titanium dioxide pigments:												
Production	1,000 sh. ton	655	603	713	687	701	742	727	761	660	760	799
Imports for consumption	1,000 sh. ton	60	26	68	115	118	105	98	125	139	175	194
Apparent consumption	1,000 sh. ton	(NA)	596	754	785	802	837	753	806	741	853	880
Price, Dec. 31:												
Anatase	Cents/lb	26	39	41	44	46	53	57	69	69	69	69
Rutile	Cents/lb	26–27	44	47	49	51	59	63	75	75	75	75
World production:												
Ilmenite concentrate	1,000 sh. ton	3,109	3,194	3,490	3,653	3,875	3,910	4,107	4,023	3,340	[1] 2,967	[1] [2] 3,183
Titanium slag	1,000 sh. ton	853	832	901	765	1,037	842	1,313	1,245	1,157	[2] 1,160	[1] 1,260
Rutile concentrate, natural [1]	1,000 sh. ton	460	422	445	401	333	390	480	399	374	[3] 351	[2] 391

D Withheld to avoid disclosing company proprietary data. NA Not available. [1] Excludes U.S. production data to avoid disclosing company proprietary data. [2] Estimated. [3] Preliminary.

Source of tables 1280–1282: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1283. Chromite—Summary: 1970 to 1984

[In thousands of short tons, except as indicated]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Imports for consumption [1]	1,405	1,252	1,275	1,293	1,013	1,024	982	898	507	190	305
Value (mil. dol.)	31.8	60.7	70.0	68.7	51.4	55.6	56.5	49.9	29.7	10.4	15.5
South Africa	407	289	438	659	490	353	405	482	277	144	235
Soviet Union	248	349	189	80	157	250	170	111	34	(Z)	-
Philippines	210	210	166	172	185	194	138	145	70	13	48
Exports	41	139	124	187	23	27	6	71	8	11	55
Reexports	73	45	85	61	29	28	44	67	57	5	4
Consumption, total	1,403	881	1,006	1,000	1,010	1,214	977	889	558	320	512
Metallurgical industry	912	532	597	578	534	774	577	503	283	64	226
Refractory industry	278	183	202	208	237	198	160	148	80	72	97
Chemical industry	213	166	207	214	239	242	240	238	195	184	189
Stocks, Dec. 31 (consumer)	733	952	1,009	1,338	1,301	907	675	728	545	456	327
World production [1]	6,672	9,136	9,362	10,415	12,064	10,277	10,915	10,224	9,193	9,387	10,468
South Africa	1,573	2,288	2,656	3,372	3,466	3,634	3,763	3,164	2,385	2,460	3,314
Soviet Union	1,930	2,290	2,300	2,400	3,640	2,535	3,200	3,200	3,240	3,240	3,300
Philippines	624	573	475	593	595	613	547	484	355	294	300

- Represents zero. Z Fewer than 500 short tons. [1] Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1284. Ferroalloys—Summary: 1970 to 1984

[Domestic production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. The major consumers of ferroalloys are the steel and ferrous foundry industries; see tables 1367–1370]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1982	1983	1984	1970	1975	1980	1982	1983	1984
Domestic shipments [1]	**2,489.6**	**1,768.1**	**1,486.1**	**826.0**	**869.0**	**1,153.9**	**548.1**	**906.7**	**1,129.9**	**652.2**	**551.3**	**760.5**
Ferromanganese [2]	807.4	556.1	194.3	98.4	108.9	185.5	134.5	222.5	99.6	65.0	53.8	106.3
Silicomanganese	173.0	126.4	161.6	82.9	63.1	([3])	32.0	53.9	70.3	40.8	21.2	([3])
Manganese metal	(NA)	22.1	(NA)	18.1	(D)	([3])	(NA)	(NA)	(NA)	25.3	(D)	([3])
Ferrosilicon	659.2	709.9	661.4	317.3	361.0	498.1	136.2	321.5	442.6	161.7	180.3	259.4
Silicon metal	97.7	131.1	124.5	80.8	123.1	139.4	(NA)	(NA)	(NA)	102.8	113.5	171.8
Chromium alloys	370.9	223.5	237.5	119.3	53.2	120.8	126.3	177.5	179.9	83.7	53.4	102.1
Ferrocolumbium	1.4	.5	1.3	(D)	(D)	(D)	9.4	3.5	34.5	(D)	(D)	9.8
Ferrophosphorus	176.1	96.0	85.4	(D)	62.1	113.5	6.5	10.9	13.1	(D)	7.0	18.1
U.S. exports	(NA)	(NA)	**155.5**	**48.2**	**75.4**	**133.5**	(NA)	(NA)	**173.8**	**81.3**	**100.8**	**165.0**
Ferroalloys	151.1	97.4	128.5	42.6	66.1	124.8	55.7	58.9	93.1	40.4	41.9	66.9
Metals [1]	(NA)	(NA)	27.0	5.6	9.4	8.8	(NA)	(NA)	80.7	40.9	58.9	98.1
Silicon	(NA)	(NA)	14.4	2.4	2.8	4.4	(NA)	(NA)	65.5	34.3	47.8	88.5
Manganese	3.0	3.3	12.3	2.9	6.4	4.1	2.0	3.3	11.5	3.9	8.5	5.9
U.S. imports	(NA)	**927.3**	**1,149.1**	**843.0**	**1,009.6**	**1,219.1**	(NA)	**482.9**	**643.7**	**405.0**	**448.7**	**600.5**
Ferroalloys	385.5	913.6	1,115.9	810.2	973.1	1,176.8	60.5	466.0	585.9	363.0	403.3	537.0
Manganese alloys	305.5	451.9	683.5	554.8	481.4	548.0	33.3	151.4	240.8	176.0	133.3	162.5
Ferrosilicon	22.4	70.4	71.2	76.7	159.4	143.7	4.1	42.0	42.6	40.3	67.4	72.9
Chromium alloys	41.3	322.9	302.3	148.3	281.7	433.8	9.6	192.7	155.8	80.8	109.7	187.2
Metals	(NA)	13.7	33.2	32.8	36.5	42.3	(NA)	16.9	57.8	42.0	45.4	63.5
Silicon	(NA)	7.7	21.3	25.7	27.5	24.3	(NA)	6.2	21.4	26.7	26.4	26.5
Chromium	1.9	1.6	4.1	1.9	3.1	4.7	3.1	6.6	28.4	10.1	13.7	24.1
Manganese	1.3	4.4	7.9	5.2	6.0	13.3	.5	4.0	8.0	5.2	5.3	13.0

D Withheld to avoid disclosure of individual company data. NA Not available. [1] Includes other not shown separately. [2] Includes fused-salt electrolytic law and medium-carbon ferromanganese. [3] Included with ferromanganese.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1285. Beryllium—Summary: 1970 to 1984

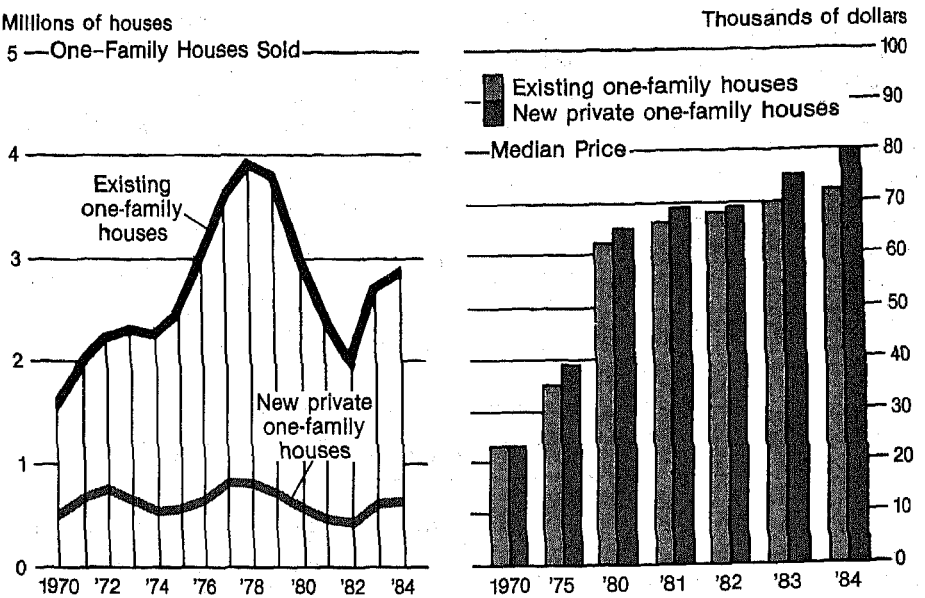
[In short tons, except as indicated Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of other metals, including steels), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating and reflecting properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, computers, switching, and other electronic and electrical applications]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Imports for consumption	4,942	1,479	1,058	746	1,031	1,037	1,703	2,138	2,652	2,194	1,332
Consumption [1]	9,496	4,850	3,740	4,165	5,916	9,518	8,508	8,141	5,387	6,989	9,003
Price, per short ton unit BeO [2] (dollars)	35	32	36	40	40	47	69	94	121	126	88
Yearend stocks [1]	5,698	3,546	3,957	3,557	1,346	835	1,350	2,223	5,112	7,037	5,653
World production of beryl	6,857	3,290	2,553	2,844	2,888	2,642	10,272	10,579	8,875	10,335	9,670

[1] Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO. [2] Approximate. Imported cobbed beryl at port of exportation.

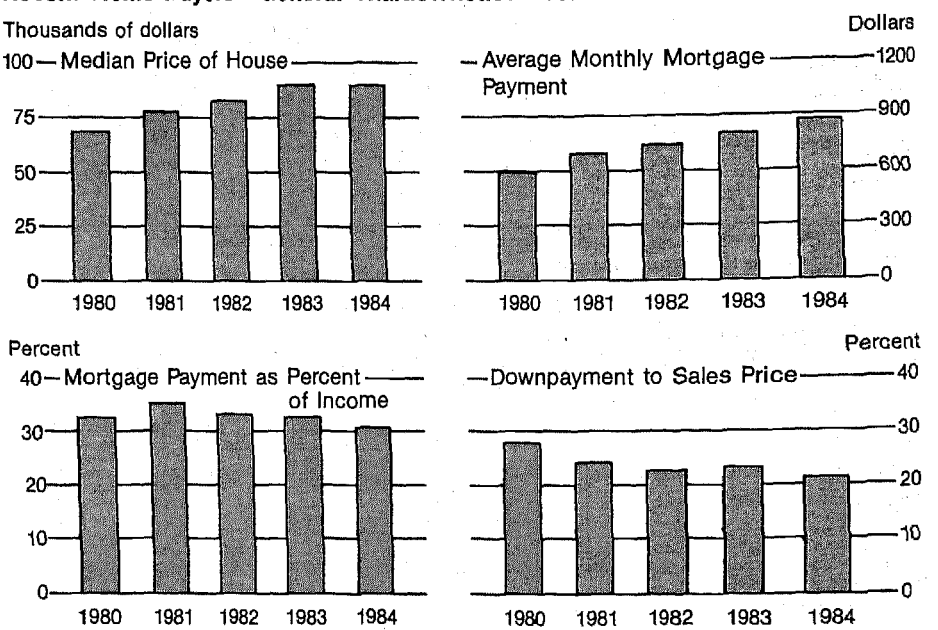
Source: U.S. Bureau of Mines, *Minerals Yearbook*.

Figure 28.1
Existing and New Private One-Family Houses Sold and Sales Price: 1970 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1301, 1302 and 1304.

Figure 28.2
Recent Home Buyers—General Characteristics: 1980 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1323.

1986

Section 28

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics and occupants; on public housing; on mortgages; and on nonresidential buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of structure and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data; and *Housing Units Authorized by Building Permits and Public Contracts* covers approximately 17,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs.* Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies,* the quarterly *Market Absorption of Apartments,* the Annual Housing Survey and reports of the censuses of housing and of construction industries. *Construction Review,* published quarterly by the International Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY, which presents State data on construction contracts; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1979.* Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. In addition, the *Statistical Yearbook,* published by HUD through the 1979 issue, also contained housing data.

Censuses and surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1982.

The 1982 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, page 388), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals: For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, 1970, and 1980 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, 1.7 percent, and 1.5 percent respectively. The missed rate in 1980 for all housing units was 2.6 percent or approximately 2.3 million units, 1 million of which were vacant housing units.

The Annual Housing Survey (*Current Housing Reports*, series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1985 the name of the survey was changed to the American Housing Survey. It is currently based on a biennial national sample and on 11 annual MSA samples. All samples represent a cross section of the housing stock in their respective areas. Estimates are

subject to both sampling and nonsampling errors; caution should therefore, be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

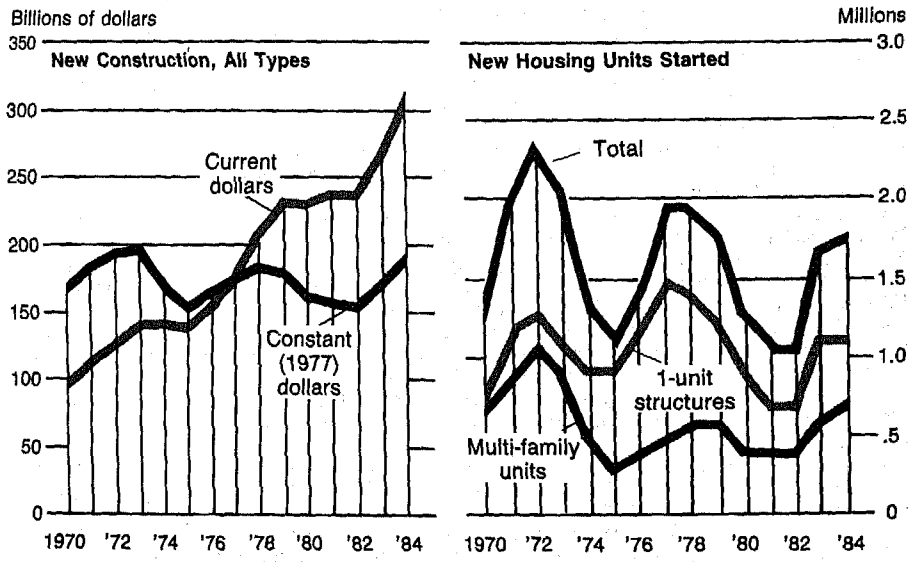
Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

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

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1985.* For cross-references, see Appendix VI.

Figure 28.3

New Construction—Value of Total Construction and Number of Housing Units Started: 1970 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1290, 1291, and 1298.

No. 1286. Construction Industries—Summary, by Industry: 1972 to 1982

[Based on a probability sample of about 167,000 construction establishments with payroll in 1972, 181,000 in 1977, and 172,000 in 1982; see Appendix III. N.e.c. = Not elsewhere classified]

Industry	Establishments with payroll (1,000)	Employees (1,000)		Payroll (mil. dol.)		Receipts (mil. dol.)		Value added [2] (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction [1]	
1972, total	**437.9**	**4,146**	**3,487**	**40,005**	**32,187**	**155,850**	**111,232**	**68,197**
Contract construction	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors	133.1	1,150	938	10,159	7,740	64,350	33,245	17,884
Heavy construction contractors	28.0	827	709	9,255	7,537	31,461	25,357	16,200
Special trade contractors	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,726
1977, total	**480.0**	**4,273**	**3,565**	**54,980**	**43,112**	**224,665**	**164,516**	**98,864**
Contract construction	474.9	4,234	3,548	54,566	42,963	221,622	163,463	98,116
General building contractors	156.0	1,181	963	13,537	10,041	69,787	48,262	25,040
Heavy construction contractors	31.3	917	757	14,267	10,988	50,728	40,272	26,573
Special trade contractors	287.7	2,136	1,827	26,762	21,934	81,108	74,929	46,502
1982, total	**456.7**	**4,275**	**3,453**	**78,666**	**60.175**	**324,512**	**233,267**	**145,965**
Contract construction	450.8	4,235	3,438	78,097	60,017	321,100	232,005	144,946
General building contractors	123.2	994	756	17,049	11,647	117.111	57,367	33,588
Single-family houses	72.1	310	253	3,608	2,749	20,129	14,116	7,877
Other residential buildings	7.5	.63	50	1,078	760	7,953	3,570	1,951
Operative builders	14.1	108	53	1,874	710	18,085	8,920	5,492
Industrial buildings and warehouses	7.4	154	122	3,231	2,344	18,119	9,294	5,756
Nonresidential buildings, n.e.c	22.1	360	278	7,260	5,085	52,825	21,547	12,512
Heavy construction contractors	28.2	852	703	19,444	15,359	71,024	54,654	36,060
Highway and street construction	10.1	213	180	3,989	3,138	19,035	14,987	8,633
Bridge, tunnel, and elevated highway	1.0	38	32	816	665	3,549	2,812	1,468
Water, sewer, and utility lines	9.4	187	160	3,576	2,907	12,129	10,462	7,005
Heavy construction, n.e.c	7.7	415	329	11,063	8,649	36,310	26,392	18,953
Special trade contractors [3]	299.4	2,389	1,979	41,605	33,011	132,965	119,984	75,299
Plumbing, heating, air-conditioning	60.2	512	398	9,861	7,477	33,521	28,846	16,962
Painting, paperhanging, decorating	24.8	136	121	1,676	1,589	4,688	4,399	3,360
Electrical work	39.6	435	352	9,107	7,347	26,441	25,252	15,123
Masonry and other stonework	20.2	121	110	1,551	1,344	4,333	4,046	2,667
Plastering, drywall, insulation	16.4	200	172	3,573	2,930	10,206	9,215	6,009
Carpentering	30.8	133	117	1,612	1,352	5,512	4,759	2,929
Roofing and sheet metal work	21.1	191	159	3,035	2,921	10,034	9,315	5,460
Concrete work	20.0	157	138	2,310	1,902	8,377	7,447	4,492
Structural steel erection	3.7	62	53	1,291	1,056	3,650	3,233	2,376
Excavating and foundation work	19.6	136	115	2,152	1,757	8,473	7,337	5,507
Installing building equipment, n.e.c	3.8	60	49	1,449	1,145	4,256	3,971	2,952
Special trade contractors, n.e.c	25.1	172	136	2,960	1,931	9,379	8,324	5,306
Subdividers and developers, n.e.c	5.9	40	15	569	157	3,425	1,263	1,019

[1] Construction receipts less payments for construction work subcontracted to others, not shown separately. [2] Total receipts less (*a*) payments for materials, components, and supplies, (*b*) payments for construction work subcontracted to others, not shown separately. [3] Includes other industries each with less than $3.0 billion in total receipts, not shown separately.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972, 1977,* and *1982,* series CC.

No. 1287. Construction Materials—Producer Price Indexes: 1970 to 1984

[**1967 = 100, except as noted.** For discussion of producer price index, see text, p. 467. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See also *Historical Statistics, Colonial Times to 1970,* series N 140-155]

Commodity	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All materials	**112.5**	**174.0**	**187.7**	**204.9**	**228.3**	**251.4**	**266.4**	**283.0**	**288.0**	**297.7**	**306.4**
Softwood lumber: Douglas fir	108.7	212.0	250.7	291.4	339.7	383.9	353.0	311.8	266.2	361.5	328.1
Southern pine	114.7	175.3	217.4	262.5	304.6	324.2	297.4	291.6	285.9	319.9	319.8
Hardwood lumber	114.6	160.3	176.0	200.3	235.8	260.0	252.0	255.2	262.4	283.7	319.7
Millwork	116.0	160.4	176.9	193.7	235.4	254.3	260.4	273.4	279.4	302.3	307.8
Plywood	108.4	161.2	187.0	212.2	235.6	250.5	246.5	245.7	232.1	244.1	241.6
Building paper and board	101.0	127.1	138.8	157.0	187.4	182.4	206.2	231.7	239.5	250.0	259.0
Prepared paint	112.4	166.9	174.4	182.4	192.3	204.4	235.3	249.8	262.8	264.7	272.5
Finished steel products:											
Line pipe, carbon	113.2	227.8	234.6	260.5	296.6	303.4	336.3	394.2	416.8	406.4	405.6
Reinforcing bars [1]	42.9	77.4	70.9	72.2	80.9	101.4	106.7	107.0	99.7	92.4	98.9
Galvanized sheets and strip [1]	34.0	58.7	63.6	69.2	75.3	83.8	86.1	97.9	100.0	106.3	113.7
Wire nails, 8d common	114.8	241.4	243.6	261.3	273.5	298.5	331.9	356.9	365.3	358.0	363.0
Nonferrous metal products	124.7	171.6	181.6	195.4	207.8	261.7	305.0	285.8	263.6	276.1	277.1
Aluminum drawn tube, 6,000 alloy [2]	100.7	159.9	163.1	174.1	189.7	216.1	242.2	265.9	282.9	285.5	310.5
Plumbing fixtures	111.2	162.3	174.1	186.6	199.1	217.1	246.7	267.5	278.7	289.3	302.7
Heating equipment	110.6	150.7	158.0	165.5	174.4	187.1	206.5	224.2	237.2	243.6	252.9
Metal doors, sash, trim	113.0	162.5	171.3	188.7	207.6	229.6	255.2	278.8	290.5	298.8	309.6
Concrete ingredients	112.6	172.3	186.7	199.0	217.7	244.0	274.0	296.3	310.0	313.3	325.7
Concrete products	112.2	170.5	180.1	191.8	214.0	244.1	273.9	291.2	297.8	302.0	309.6
Structural clay products	109.9	151.2	163.5	179.8	197.2	217.9	231.5	249.8	260.8	277.8	286.6
Gypsum products	99.7	144.0	154.4	183.5	229.1	252.3	256.3	256.2	256.1	286.0	346.7
Asphalt roofing	102.7	225.9	238.3	253.0	292.0	325.3	396.8	407.5	398.4	384.0	399.5
Insulation materials	123.2	196.2	212.6	235.9	250.7	256.3	287.9	(NA)	356.6	369.7	370.7

NA Not available. [1] June 1982 = 100. [2] Dec. 1969 = 100.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes,* monthly and annual.

No. 1288. Price and Cost Indexes for Construction: 1970 to 1984

[1977=100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970,* series N 118-137, for construction cost indexes on a 1947-49 base]

ITEM	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984
Price index for new one-family houses sold [1]	55.3	81.7	88.7	114.5	130.8	145.2	157.4	161.5	165.5	171.9
Construction cost indexes:										
Dept. of Commerce composite [2]	56.8	89.3	92.4	113.0	128.8	143.2	151.9	154.2	157.3	163.7
Federal Highway Admin.: Highways [3]	58.0	96.7	93.4	119.4	142.6	163.0	156.7	146.8	146.5	155.0
Environmental Protection Agency:										
Sewers	51.2	88.5	94.1	109.5	123.2	133.6	142.2	(NA)	(NA)	(NA)
Sewage treatment plant	51.6	89.8	94.3	109.5	120.4	131.3	142.5	(NA)	(NA)	(NA)
Federal Energy Regulatory Commission:										
Pipeline	54	93	98	112	121	133	145	147	149	151
American Appraisal Co.: Building construction [4]	57	86	94	109	118	125	132	(NA)	(NA)	(NA)
Turner Construction Co.: Building construction [5]	62	95	97	106	118	131	144	156	164	172
E. H. Boeckh, building cost index: [6]										
Small residential structures	56.5	84.7	91.7	109.0	119.0	128.9	136.0	147.5	156.2	165.1
Apartments, hotels, and office buildings	57.5	85.6	92.4	106.5	114.7	125.1	137.4	150.0	159.6	166.8
Commercial and factory buildings	55.6	85.3	92.6	107.5	117.1	127.7	140.1	151.9	159.9	166.2
Engineering News-Record: [7]										
Building construction	54.1	84.6	92.3	108.4	117.8	125.9	135.9	144.7	154.4	158.6
General construction	53.8	85.8	93.1	107.7	116.5	125.6	137.3	148.5	157.8	161.0
Handy-Whitman public utility: [8]										
Building	53	93	95	109	121	135	142	142	146	152
Electric light and power [9]	52	88	94	106	116	127	139	146	151	154

NA Not available. [1] Includes value of site. [2] Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. [3] Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). [4] Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit. [5] Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. [6] Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. [7] Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. [8] Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. [9] As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review,* bimonthly.

No. 1289. Value of New Construction Put in Place: 1960 to 1984

[**In millions of dollars.** Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970,* series N 1-29 and N 66-68]

YEAR	CURRENT DOLLARS					CONSTANT (1977) DOLLARS				
	Total	Private			Public	Total	Private			Public
		Total	Residential buildings	Nonresidential buildings			Total	Residential buildings	Nonresidential buildings	
1960	54,738	38,875	22,975	10,149	15,863	(NA)	(NA)	(NA)	(NA)	(NA)
1965	74,096	52,034	27,934	16,509	22,062	169,981	118,136	62,738	37,834	51,845
1966	76,772	52,765	25,715	18,279	24,007	169,075	115,211	55,605	40,020	53,865
1967	78,452	52,916	25,568	17,589	25,536	166,676	111,552	53,544	36,937	55,124
1968	87,474	59,869	30,565	18,164	27,605	176,224	119,529	60,436	35,973	56,695
1969	94,271	66,318	33,200	21,153	27,952	176,604	123,210	61,314	38,441	53,394
1970	95,204	67,114	31,864	21,412	28,090	167,618	118,405	57581	35,692	49,213
1971	110,301	80,433	43,267	22,478	29,867	182,228	133,660	73,935	34,706	48,568
1972	124,421	94,248	54,288	24,036	30,173	193,998	147,589	86,701	35,294	46,409
1973	138,428	105,927	59,726	27,583	32,501	198,850	152,480	87,033	37,510	46,370
1974	139,221	100,886	50,376	29,637	38,334	170,289	126,032	66,393	33,379	44,258
1975	135,941	95,057	46,472	26,407	40,884	152,198	108,556	56,074	28,011	43,642
1976	151,084	111,961	60,520	26,091	39,123	163,457	122,083	67,737	27,642	41,374
1977	173,829	135,655	80,956	28,695	38,174	173,395	135,299	80,689	28,640	38,097
1978	205,561	159,665	93,424	36,293	45,896	181,987	141,171	81,226	32,224	40,816
1979	230,413	181,621	99,030	47,298	48,792	178,951	141,354	75,958	36,064	37,597
1980	230,712	175,699	87,261	52,434	55,013	161,098	123,559	60,911	35,444	37,539
1981	239,111	185,762	86,566	60,816	53,349	157,387	122,246	55,893	39,356	35,141
1982	236,934	186,092	80,609	65,134	50,842	153,626	120,089	50,900	41,856	33,537
1983	268,732	218,017	121,308	60,309	50,715	170,869	137,534	74,973	38,322	33,335
1984	312,988	257,801	145,059	74,147	55,187	191,225	156,095	85,681	45,396	35,130

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports,* series C 30.

No. 1290. Value of New Construction Put in Place: 1970 to 1984

[In **millions of dollars, except percent.** Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1–29 and N 66–69]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Total	**95,204**	**135,941**	**173,829**	**205,561**	**230,413**	**230,712**	**239,111**	**236,934**	**268,732**	**312,988**
Average annual percent change [1]	5.2	7.4	13.1	18.3	12.1	.1	3.6	−.9	13.4	16.5
Private	**67,114**	**95,057**	**135,655**	**159,665**	**181,621**	**175,699**	**185,762**	**186,092**	**218,017**	**257,801**
Percent of total	70.5	69.9	78.0	77.7	78.8	76.2	77.7	78.5	81.1	82.4
Residential buildings (incl. farm)	31,864	46,472	80,956	93,424	99,030	87,261	86,566	80,609	121,308	145,059
New housing units	24,272	34,408	65,749	75,808	78,587	63,139	62,664	57,715	95,682	114,620
Structures with—										
1 unit	14,754	27,423	55,271	62,385	60,790	45,662	44,401	41,462	72,203	85,101
2 or more units	9,518	6,986	10,478	13,422	17,798	17,476	18,263	16,253	23,479	29,519
Additions, alterations	6,234	10,925	14,209	16,349	18,236	21,125	20,025	16,673	20,260	23,440
Nonhousekeeping	1,358	1,139	998	1,267	2,206	2,997	3,876	4,221	5,366	7,000
Nonresidential buildings [2]	21,412	26,407	28,695	36,293	47,298	52,434	60,818	65,134	60,309	74,147
Industrial	6,537	8,018	7,712	10,994	14,950	13,837	17,030	17,343	12,861	13,745
Office	9,753	4,973	5,269	6,574	9,461	13,318	17,473	23,049	20,768	25,940
Other commercial		7,833	9,514	11,991	15,463	16,627	16,775	14,235	15,025	22,167
Hospital and institutional	2,529	3,209	3,290	3,347	3,530	4,046	4,907	5,875	6,559	6,297
Religious	929	867	1,046	1,248	1,548	1,637	1,665	1,543	1,780	2,132
Educational	864	567	660	729	806	1,175	1,171	1,356	1,412	1,411
Other nonresidential	800	939	1,203	1,410	1,540	1,794	1,798	1,733	1,905	2,455
Public utilities	11,017	17,379	20,272	23,455	28,258	29,480	32,499	35,388	31,681	33,822
Telephone, telegraph	2,968	3,683	4,345	5,418	6,343	6,733	7,074	7,110	6,471	7,174
Other public utilities	8,049	13,696	15,926	18,037	21,910	22,747	25,424	28,278	25,210	26,648
Electric light, power [3]	5,807	9,688	12,432	14,384	17,480	17,647	19,827	21,884	19,512	19,473
Gas	1,654	1,350	1,560	1,929	2,650	3,035	3,631	3,422	2,290	3,233
Railroads	304	514	737	1,190	1,189	1,256	1,224	2,595	2,951	3,671
Petroleum pipelines	284	1,944	1,197	534	591	809	742	377	457	271
Farm (nonresidential)	1,875	3,731	4,431	5,209	5,588	5,274	4,612	3,692	3,255	2,860
All other private	946	1,068	1,301	1,283	1,452	1,250	1,268	1,269	1,464	1,912
Public	**28,090**	**40,884**	**38,174**	**45,896**	**48,792**	**55,013**	**53,349**	**50,842**	**50,715**	**55,187**
Percent of total	29.5	30.1	22.0	22.3	21.2	23.8	22.3	21.5	18.9	17.6
Buildings	10,656	15,474	12,799	15,241	15,558	18,517	17,792	16,997	17,276	17,883
Educational	5,619	7,760	5,459	6,264	6,903	8,050	6,737	5,927	5,374	5,557
Hospital	838	1,745	1,793	1,822	1,648	1,785	2,083	1,991	2,098	2,039
Industrial	498	918	1,070	1,184	1,112	1,441	1,655	1,632	1,809	1,828
Housing, redevelopment	1,106	754	908	1,053	1,211	1,648	1,722	1,658	1,700	1,636
Other public buildings	2,594	4,296	3,629	4,919	4,684	5,593	5,595	5,769	6,295	6,822
Highways and streets	9,982	10,854	9,380	10,706	11,997	13,770	13,599	13,292	14,142	16,294
Conservation, development	1,907	3,257	3,862	4,457	4,587	5,090	5,300	5,027	4,820	4,654
Military facilities	717	1,389	1,429	1,502	1,647	1,880	1,964	2,205	2,544	2,839
Other public construction	4,827	9,911	10,704	13,989	15,002	15,755	14,693	13,320	11,933	13,516
Sewer systems	1,543	4,801	5,374	6,765	7,298	7,171	5,935	5,529	5,260	6,241
Water supply facilities	1,093	1,765	1,810	2,661	2,490	3,266	3,004	2,902	2,083	2,621
Miscellaneous	2,192	3,345	3,520	4,563	5,215	5,318	5,754	4,889	4,590	4,654
Public ownership:										
State and local government	24,798	34,566	30,855	37,497	40,227	45,372	42,935	40,834	40,158	43,994
Buildings	9,753	13,580	10,501	12,764	13,215	15,699	14,641	14,012	13,886	14,088
Highways and streets	9,728	10,547	8,984	10,285	11,468	13,314	12,848	12,774	13,675	15,825
Conservation, development	540	618	774	597	673	821	896	908	820	727
Other	4,777	9,821	10,595	13,851	14,872	15,538	14,550	13,139	11,777	13,354
Federal government	3,293	6,318	7,320	8,398	8,564	9,641	10,413	10,008	10,557	11,193
Conservation, development	1,367	2,638	3,088	3,860	3,915	4,270	4,404	4,119	4,000	3,927
Buildings	903	1,894	2,298	2,477	2,343	2,818	3,151	2,986	3,390	3,796
Military facilities	717	1,389	1,429	1,502	1,647	1,880	1,964	2,205	2,544	2,839
Misc. (incl. highways and streets)	305	397	505	559	659	673	894	699	624	631

[1] Change from prior year shown; for 1970, change from 1965. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Excludes building by privately owned public utilities.
[3] Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1291. Value of New Construction Put in Place in Constant (1977) Dollars: 1970 to 1984

[In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-80S]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
New construction	**187,618**	**152,198**	**173,395**	**181,987**	**178,951**	**161,098**	**157,387**	**153,626**	**170,869**	**191,225**
Average annual percent change [1]	−.3	−1.9	6.7	5.0	−1.7	−10.0	−2.3	−2.4	11.2	11.9
Private	**118,405**	**108,556**	**135,299**	**141,171**	**141,354**	**123,559**	**122,246**	**120,089**	**137,534**	**156,095**
Percent of total	70.6	71.3	78.0	77.6	79.0	76.7	77.7	78.2	80.5	81.6
Residential buildings [2]	57,581	56,074	80,689	81,226	75,958	60,911	55,893	50,900	74,973	85,681
New housing units	43,873	41,506	65,472	65,891	60,268	44,080	40,484	36,443	59,122	67,689
Structures with—										
1 unit	26,656	33,051	55,016	54,223	46,630	31,858	28,686	26,188	44,608	50,247
2 or more units	17,217	8,455	10,456	11,668	13,638	12,223	11,798	10,255	14,514	17,442
Additions, alterations	11,252	13,190	14,218	14,231	14,003	14,739	12,911	11,793	12,533	13,853
Nonhousekeeping	2,456	1,378	1,000	1,104	1,687	2,092	2,497	2,664	3,318	4,139
Nonresidential buildings [3]	35,692	28,011	28,640	32,224	36,064	35,444	39,356	41,856	38,322	45,396
Industrial	10,895	8,506	7,698	9,734	11,425	9,360	11,018	11,145	8,176	8,418
Office	16,255	5,273	5,263	5,838	7,205	8,995	11,305	14,811	13,197	15,861
Other commercial		8,310	9,486	10,651	11,766	11,242	10,858	9,147	9,543	13,566
Hospital, institutional	4,217	3,404	3,290	2,991	2,702	2,734	3,176	3,775	4,168	3,860
Religious	1,550	920	1,044	1,107	1,180	1,106	1,078	991	1,131	1,305
Educational	1,442	601	659	649	614	793	758	871	897	864
Other nonresidential	1,334	996	1,199	1,255	1,172	1,214	1,164	1,114	1,210	1,503
Public utilities	20,328	19,376	20,249	21,927	23,943	22,792	23,175	24,113	21,191	22,023
Telephone, telegraph	5,050	4,181	4,340	5,136	5,436	5,243	5,117	4,906	4,313	4,695
Other public utilities	15,278	15,195	15,909	16,792	18,508	17,549	18,058	19,206	16,878	17,330
Electric light, power [4]	11,146	11,143	12,414	13,539	14,913	13,830	14,247	14,894	13,056	12,630
Gas	3,065	1,446	1,558	1,721	2,189	2,266	2,491	2,322	1,541	2,131
Railroads	541	547	734	1,060	917	849	809	1,734	1,974	2,390
Petroleum pipelines	526	2,057	1,203	472	489	604	511	256	307	179
Farm (nonresidential)	3,126	3,959	4,425	4,640	4,268	3,562	2,984	2,372	2,068	1,752
All other private	1,678	1,137	1,296	1,155	1,121	849	838	848	980	1,243
Public	**49,213**	**43,642**	**38,097**	**40,816**	**37,597**	**37,539**	**35,141**	**33,537**	**33,335**	**35,130**
Percent of total	29.4	28.7	22.0	22.4	21.0	23.3	22.3	21.8	19.5	18.4
Buildings	17,922	16,530	12,788	13,550	11,895	12,540	11,515	10,904	10,951	10,917
Educational	9,367	8,235	5,453	5,569	5,273	5,432	4,361	3,808	3,416	3,403
Hospital	1,399	1,852	1,734	1,630	1,261	1,205	1,348	1,280	1,333	1,250
Industrial	831	973	1,069	1,058	852	974	1,071	1,049	1,150	1,120
Housing, redevelopment	1,999	910	909	911	929	1,150	1,112	1,047	1,051	967
Other public buildings	4,325	4,559	3,624	4,382	3,580	3,779	3,621	3,720	4,000	4,178
Highways and streets	17,670	11,146	9,332	9,215	8,585	8,462	8,634	8,995	9,669	10,682
Conservation, development	3,406	3,603	3,855	4,104	3,821	3,821	3,666	3,328	3,165	3,007
Military facilities	1,243	1,489	1,431	1,331	1,248	1,251	1,271	1,439	1,640	1,752
Other public construction	8,972	10,874	10,690	12,616	12,047	11,465	10,057	8,871	7,909	8,772
Sewer systems	2,992	5,379	5,366	6,146	5,971	5,409	4,163	3,658	3,451	4,031
Water supply facilities	2,074	1,935	1,808	2,395	2,048	2,456	2,090	1,946	1,385	1,710
Miscellaneous	3,906	3,559	3,516	4,076	4,029	3,601	3,804	3,267	3,073	3,031

[1] Change from prior year shown; for 1970, change from 1965. Minus sign (−) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. [2] Including farm. [3] Excludes building by privately owned public utilities. [4] Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1292. Value of Privately Owned Nonresidential Building Projects, by Construction Status, 1975 to 1984, and by Type of Project, 1984

[In billions of dollars]

CONSTRUCTION STATUS	1975	1977	1978	1979	1980	1981	1982	1983	1984				
									Total	Industrial	Office building	Other commercial	Other [1]
Value of projects—													
Started	20.1	29.3	38.7	49.0	48.3	65.8	55.5	57.1	73.4	12.4	27.3	23.3	10.4
Completed	28.0	27.7	31.7	40.1	48.4	52.7	56.3	56.3	61.2	11.4	20.5	17.9	11.4
Under construction at year end	41.9	44.6	55.2	68.3	73.5	92.6	97.8	100.7	117.8	26.0	48.4	22.4	21.0

[1] Privately owned religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

No. 1293. Construction Contracts—Value of Construction, and Floor Space of Buildings, by Class of Construction: 1970 to 1984

[Includes new structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78-100]

Year	Total	Residential buildings	Nonresidential buildings: Total	Commercial [1]	Manufacturing	Educational [2]	Hospital	Public buildings	Religious	Social and recreational [3]	Nonbuilding construction
VALUE (bil. dol.)											
1970	68.3	24.8	24.6	9.1	3.7	5.3	2.8	1.0	.6	2.1	19.0
1971	80.2	34.7	25.5	9.6	2.6	5.6	3.2	1.5	.6	2.4	19.9
1972	91.2	45.4	27.1	11.5	3.0	4.8	3.5	1.5	.6	2.2	18.7
1973	99.3	45.7	31.4	12.8	4.8	5.1	3.3	2.0	.7	2.7	22.1
1974	93.7	33.6	33.2	11.8	5.6	6.3	3.8	2.1	.8	2.8	27.0
1975	92.7	31.3	31.6	9.2	6.8	5.9	3.7	2.1	.8	3.1	29.8
1976	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	3.0	35.9
1977	139.7	62.0	35.1	13.6	5.4	5.2	4.5	2.3	1.0	3.3	42.6
1978	159.9	74.9	45.0	20.6	9.2	5.7	3.8	1.5	1.2	3.0	39.9
1979	168.4	74.6	50.2	24.4	7.6	6.3	4.8	1.6	1.3	4.1	43.7
1980	148.4	63.7	52.5	24.8	8.4	6.8	5.3	1.6	1.2	4.4	32.2
1981	153.5	60.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	4.9	33.2
1982	156.2	59.2	59.6	28.2	9.5	6.1	7.8	1.9	1.2	4.8	37.4
1983	193.6	93.6	62.3	33.7	5.3	6.2	8.5	2.1	1.5	5.0	37.8
1984	209.9	100.8	73.2	41.3	7.1	7.6	7.2	2.6	1.7	5.6	35.9
FLOOR SPACE (mil. sq. ft.)											
1970	2,938	1,781	1,157	530	212	195	75	29	27	89	(x)
1971	3,437	2,279	1,156	552	175	189	76	40	26	98	(x)
1972	4,082	2,823	1,260	647	211	157	84	38	27	96	(x)
1973	4,013	2,574	1,439	717	293	156	76	49	28	120	(x)
1974	2,938	1,657	1,282	594	246	176	75	47	27	117	(x)
1975	2,390	1,441	949	409	146	152	63	46	28	105	(x)
1976	2,819	1,867	952	440	152	118	71	42	31	99	(x)
1977	3,536	2,440	1,096	564	175	112	66	43	32	105	(x)
1978	4,101	2,815	1,286	758	219	104	53	22	35	96	(x)
1979	3,905	2,528	1,377	816	243	102	57	20	34	106	(x)
1980	3,092	1,892	1,200	688	216	95	54	18	28	101	(x)
1981	2,797	1,620	1,177	733	187	74	60	14	25	85	(x)
1982	2,442	1,497	945	571	119	74	70	19	25	68	(x)
1983	3,379	2,349	1,029	647	110	74	83	20	29	66	(x)
1984	3,601	2,382	1,218	793	143	89	71	23	29	70	(x)

X Not applicable. [1] Includes nonindustrial warehouses. [2] Includes science. [3] Includes miscellaneous.

No. 1294. Construction Contracts—Value, by State: 1980 to 1984

[**In millions of dollars.** See headnote, table 1293. Represents value of construction in States in which work was actually done]

State	1980	1982	1983	1984 Total (incl. nonbldg.)	1984 Residential	1984 Nonresidential
U.S.	**148,393**	**156,240**	**193,602**	**209,861**	**100,763**	**73,226**
AL	1,918	2,011	2,764	3,040	1,233	931
AK	706	1,545	1,964	1,752	560	783
AZ	3,137	3,856	5,339	5,945	3,695	1,561
AR	1,324	1,585	1,540	1,707	910	462
CA	17,688	15,542	22,643	26,789	14,374	9,883
CO	2,791	4,147	4,757	4,725	2,517	1,702
CT	1,440	1,656	2,280	2,726	1,237	1,018
DE	305	375	472	488	220	175
DC	510	794	688	782	214	486
FL	12,847	10,820	14,304	16,880	9,929	5,091
GA	3,939	4,975	5,887	6,620	3,694	2,115
HI	1,216	931	708	881	377	330
ID	635	508	545	634	307	200
IL	5,313	4,696	6,058	7,099	2,435	2,829
IN	2,775	2,893	3,188	3,552	1,467	1,500
IA	1,540	1,280	1,530	1,667	590	583
KS	1,887	1,950	1,957	2,293	1,087	652
KY	2,185	2,611	2,623	2,483	1,253	713
LA	3,270	5,751	4,333	4,322	1,854	1,470
ME	538	495	625	682	372	148
MD	3,062	2,992	4,297	4,716	2,423	1,614
MA	2,712	2,891	3,820	4,673	1,956	1,930
MI	4,174	2,536	3,490	4,925	1,910	2,049
MN	2,746	2,985	4,183	3,835	1,665	1,387
MS	1,561	1,103	1,600	1,721	843	402
MO	2,613	2,391	3,417	3,774	1,694	1,358
MT	395	635	649	724	281	179
NE	830	1,028	987	1,145	433	409
NV	1,167	1,210	1,449	1,299	796	295
NH	477	544	833	1,041	561	306
NJ	3,790	3,676	5,621	6,379	2,846	2,605
NM	1,371	1,354	2,040	1,834	756	702
NY	5,860	6,999	8,169	9,256	3,029	3,646
NC	3,471	3,493	4,934	5,626	3,183	1,698
ND	456	3,096	584	597	267	138
OH	5,221	4,844	5,896	6,246	2,309	2,562
OK	2,300	3,179	4,232	3,284	1,749	1,010
OR	1,926	1,380	1,415	1,782	719	508
PA	5,246	4,503	4,938	6,681	2,580	2,710
RI	322	250	511	545	238	196
SC	2,522	2,222	2,663	2,938	1,801	770
SD	421	765	430	516	222	125
TN	2,789	2,537	3,530	4,189	2,103	1,408
TX	13,611	17,842	22,459	20,425	10,368	7,129
UT	1,116	3,320	3,738	1,615	801	494
VT	258	364	363	430	263	91
VA	3,451	3,592	5,121	6,574	3,273	2,284
WA	4,795	3,395	3,668	3,849	1,841	1,271
WV	855	763	858	832	257	209
WI	2,269	1,805	2,622	2,776	1,121	963
WY	644	721	880	570	148	146

Source of tables 1293 and 1294: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge Construction Potentials*.

No. 1295. Value of Private Construction Authorized by Building Permits: 1976 to 1984

[In billions of dollars. "14,000, 16,000, and 17,000 places" series are based on U.S. total of approximately 14,000, 16,000, and 17,000 places identified in 1972, 1978, and 1984 respectively, with local building permit systems]

Type of construction	14,000 places			16,000 places							17,000 places
	1976	1977	1978	1978	1979	1980	1981	1982	1983	1984	1984
Total	**64.2**	**82.9**	**96.6**	**101.6**	**107.4**	**102.1**	**103.7**	**98.5**	**127.5**	**153.4**	**155.0**
New housing units	35.5	50.0	55.4	58.9	56.3	47.2	41.9	40.5	69.3	76.7	77.7
In structures with—											
1 unit	29.0	40.0	43.2	46.3	42.6	33.1	28.7	27.4	49.1	53.5	54.3
2-4 units	1.8	2.6	3.0	3.1	3.3	3.3	3.2	2.7	4.3	4.8	4.9
5 units or more	4.7	7.4	9.3	9.6	10.4	10.8	10.0	10.4	15.8	18.3	18.4
New nonhousekeeping residential buildings	1.8	1.0	1.3	1.3	1.6	1.6	2.0	2.6	3.1	3.7	3.7
New nonresidential buildings	19.2	23.7	30.8	32.2	38.3	34.8	39.3	34.8	37.0	46.7	47.2
Industrial buildings	3.9	5.5	7.4	7.8	9.3	8.0	7.9	6.1	5.8	9.1	9.2
Office buildings	3.1	4.3	6.6	6.8	9.1	9.9	14.6	12.9	12.6	15.9	16.1
Stores and other mercantile	4.3	5.7	7.3	7.6	9.0	6.7	6.2	5.5	7.4	9.8	9.9
Hospitals and other institutional	2.4	2.0	2.1	2.1	2.3	1.6	1.7	2.0	2.4	2.0	2.1
All other nonresidential	5.4	6.1	7.4	7.9	8.7	8.7	8.9	8.3	8.9	9.9	9.9
Additions and alterations	7.7	8.2	9.1	9.2	11.2	18.5	20.5	20.6	23.5	26.3	25.4

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review.*

No. 1296. New Privately Owned Housing Units Authorized by State: 1984

[Based on about 17,000 places in U.S. having building permit systems]

State	Housing units (1,000)			Valuation (mil. dol.)			State	Housing units (1,000)			Valuation (mil. dol.)		
	Total	1 unit	5 or more units	Total	1 unit	5 or more units		Total	1 unit	5 or more units	Total	1 unit	5 or more units
U.S.	**1,681.8**	**922.4**	**616.8**	**77,661**	**54,320**	**18,423**	MO	24.8	12.4	9.5	1,018	682	249
AL	15.3	8.2	5.2	468	324	109	MT	2.8	1.6	.7	129	91	21
AK	6.5	3.6	1.3	484	326	72	NE	5.8	3.9	1.4	254	212	26
AZ	79.2	30.7	44.3	3,138	1,860	1,151	NV	13.7	6.7	5.7	589	394	157
AR	9.7	4.5	3.4	354	227	84	NH	11.1	7.2	2.8	510	402	73
CA	224.7	112.9	91.8	13,336	8,772	3,565	NJ	43.8	32.5	9.0	2,321	1,888	336
CO	44.3	23.4	18.4	1,980	1,346	535	NM	16.5	8.0	7.7	684	475	188
CT	17.8	13.3	3.5	956	788	134	NY	44.7	26.8	12.3	2,424	1,597	666
DE	4.4	2.8	1.3	178	130	37	NC	62.7	38.5	18.6	2,505	1,892	443
DC	.4	.1	.3	31	9	21	ND	3.2	1.4	1.4	131	83	35
FL	204.9	103.1	81.2	8,180	4,991	2,553	OH	29.6	16.3	10.2	1,517	1,117	274
GA	70.3	43.6	21.1	2,897	2,200	553	OK	22.9	11.6	9.8	959	689	219
HI	5.4	4.1	1.0	324	262	48	OR	8.0	6.1	1.4	453	403	36
ID	4.3	3.4	.5	225	196	13	PA	39.4	30.2	6.5	1,782	1,514	194
IL	30.2	19.6	8.0	1,717	1,376	254	RI	4.2	3.0	.6	171	141	14
IN	18.9	11.0	6.3	905	681	162	SC	35.9	19.0	13.9	1,415	905	424
IA	7.0	3.9	2.6	295	213	65	SD	3.2	1.6	1.4	110	75	31
KS	16.7	7.1	7.2	717	480	151	TN	36.8	13.8	17.5	1,273	671	435
KY	13.0	6.2	5.6	483	334	120	TX	195.4	84.6	95.1	8,640	5,747	2,365
LA	28.1	15.0	9.8	1,099	767	245	UT	19.7	8.6	9.7	827	523	248
ME	6.6	4.3	1.7	276	201	55	VT	3.9	2.6	.8	175	137	23
MD	38.5	30.1	8.1	1,803	1,510	280	VA	60.2	43.5	14.2	2,598	2,139	380
MA	29.3	21.2	5.9	1,628	1,340	215	WA	30.4	17.2	10.9	1,556	1,143	333
MI	27.7	17.2	8.7	1,324	1,002	252	WV	2.1	1.3	.6	76	54	19
MN	26.7	16.0	8.9	1,456	1,048	335	WI	17.8	11.0	4.3	802	610	109
MS	11.5	6.5	4.0	417	293	95	WY	1.6	1.2	.2	71	63	5

Source: U.S. Bureau of the Census, *Construction Reports,* series C40, annual.

No. 1297. New Housing Units Started: 1960 to 1985

[Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970,* series N 156–159]

Year	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)	Year	Total (1,000)	Percent change	Privately owned (1,000)		Publicly owned (1,000)
			Total	1-unit structures					Total	1-unit structures	
1960	1,296	[1] –16.6	1,252	995	44	1976	1,548	32.2	1,538	1,162	10
1965	1,510	[2] –3.3	1,473	964	37	1977	2,002	29.3	1,987	1,451	15
1966	1,196	–20.8	1,165	779	31	1978	2,036	1.7	2,020	1,433	16
1967	1,322	10.5	1,292	844	30	1979	1,760	–13.6	1,745	1,194	15
1968	1,545	16.9	1,508	899	36	1980	1,313	–25.4	1,292	852	20
1969	1,500	–2.9	1,467	811	33	1981	1,100	–16.2	1,084	705	16
1970	1,469	–2.1	1,434	813	35	1982	1,072	–2.6	1,062	663	10
1971	2,085	41.9	2,052	1,151	32	1983	1,712	59.7	1,703	1,068	9
1972	2,379	14.1	2,357	1,309	22	1984	1,756	2.6	1,750	1,084	6
1973	2,057	–13.5	2,045	1,132	12	1984, Jan.–July [3]	(NA)	(NA)	1,878	1,161	(NA)
1974	1,353	–34.2	1,338	888	15	1985, Jan.–July [3] [4]	(NA)	(NA)	1,764	929	(NA)
1975	1,171	–13.4	1,160	892	11						

NA Not available. [1] Change from 1959. [2] Change from 1964. [3] Average seasonally adjusted annual rate. [4] Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports,* series C20.

No. 1298. New Privately-Owned Housing Units Started—Selected Characteristics: 1970 to 1984

[In thousands. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970,* series N 156-163 and 170]

Year	Total units [1]	Structures with— One unit	2-4 units	5 or more units	Region: Northeast	Midwest	South	West	Condominium units [2]: Total	Single-family	Multi-family	Type of assistance [3]: FHA	VA
1970	1,434	813	85	536	218	294	612	311	(NA)	(NA)	(NA)	421	61
1971	2,052	1,151	120	781	264	434	869	486	(NA)	(NA)	(NA)	528	94
1972	2,357	1,309	141	906	330	443	1,057	527	(NA)	(NA)	(NA)	371	104
1973	2,045	1,132	118	795	277	440	899	429	241	69	172	163	86
1974	1,338	888	68	382	183	317	553	285	175	46	130	95	73
1975	1,160	892	64	204	149	294	442	275	65	20	45	98	77
1976	1,538	1,162	86	289	169	400	569	400	95	30	64	144	100
1977	1,987	1,451	122	414	202	465	783	538	118	41	77	178	131
1978	2,020	1,433	125	462	200	451	824	545	156	42	114	178	127
1979	1,745	1,194	122	429	178	349	748	471	198	43	156	178	122
1980	1,292	852	110	331	125	218	643	306	186	35	150	177	95
1981	1,084	705	91	288	117	165	562	240	181	36	145	145	75
1982	1,062	663	80	320	117	149	591	205	170	40	130	152	73
1983	1,703	1,068	113	522	168	218	935	382	276	77	199	121	107
1984	1,750	1,084	121	544	204	243	866	436	291	96	194	63	97

NA Not available. [1] For 1970-1976, characteristics such as type of structure, and region, include data for publicly owned units. [2] Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community, includes a small number of cooperatively-owned units. [3] Source: U.S. Department of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook;* thereafter unpublished data.

Source: Except as noted, U.S. Bureau of the Census, *Construction Reports,* series C20.

No. 1299. New Privately-Owned Housing Units Started, By State: 1981 to 1984

[In thousands of units]

Region, division and state	1981	1982	1983	1984, prel.
United States	**1,085.0**	**1,062.0**	**1,702.9**	**1,747.9**
Region:				
Northeast	117.0	117.0	167.8	203.7
Midwest	166.0	148.0	218.1	244.7
South	562.0	591.2	934.8	866.0
West	240.0	205.8	382.2	435.5
New England	**40.8**	**42.3**	**59.0**	**76.4**
Maine	4.0	4.4	4.6	6.6
New Hampshire	5.3	5.6	7.9	12.5
Vermont	4.0	2.9	5.1	7.4
Massachusetts	15.9	16.0	22.4	26.5
Rhode Island	2.8	2.8	3.7	4.4
Connecticut	8.8	10.6	15.3	18.8
Middle Atlantic	**76.3**	**74.8**	**108.8**	**127.3**
New York	27.9	27.1	36.2	43.4
New Jersey	19.5	21.7	36.7	43.7
Pennsylvania	28.9	26.0	35.9	40.2
East North Central	**99.9**	**82.9**	**127.3**	**141.4**
Ohio	28.0	19.9	31.6	33.5
Indiana	16.9	14.0	20.2	23.5
Illinois	19.4	20.2	34.2	35.0
Michigan	19.7	14.9	23.4	30.1
Wisconsin	15.9	13.9	17.9	19.3
West North Central	**66.0**	**65.1**	**90.7**	**103.3**
Minnesota	20.8	21.7	28.2	30.4
Iowa	7.6	6.9	7.9	7.7
Missouri	15.7	15.2	22.5	30.8
North Dakota	3.2	4.0	5.5	3.9
South Dakota	2.6	1.9	3.1	4.5
Nebraska	5.2	4.6	6.7	7.1
Kansas	10.9	10.8	16.8	18.9
South Atlantic	**288.5**	**248.8**	**430.5**	**479.7**
Delaware	2.3	2.8	3.4	4.3
South Atlantic—Con.				
Maryland	16.9	20.3	36.0	36.9
District of Columbia	.9	.3	.3	.4
Virginia	29.4	29.9	53.8	62.8
West Virginia	5.2	2.2	2.5	2.8
North Carolina	36.7	32.8	53.6	62.7
South Carolina	18.8	17.9	28.3	33.1
Georgia	37.3	42.5	72.2	80.0
Florida	141.0	100.1	180.4	196.7
East South Central	**55.1**	**40.1**	**84.0**	**92.1**
Kentucky	12.0	8.4	14.9	15.7
Tennessee	17.0	15.8	37.5	42.4
Alabama	17.0	9.0	18.9	20.1
Mississippi	9.1	6.9	12.7	13.9
West South Central	**218.4**	**302.3**	**420.4**	**294.1**
Arkansas	9.0	6.7	12.5	12.7
Louisiana	25.3	22.4	40.2	30.8
Oklahoma	21.2	34.8	50.2	28.5
Texas	162.9	238.4	317.5	222.1
Mountain	**95.4**	**91.7**	**161.3**	**172.0**
Montana	1.8	1.8	2.6	3.4
Idaho	3.8	2.3	4.1	4.3
Wyoming	3.9	2.8	2.8	2.0
Colorado	28.2	29.3	50.0	41.9
New Mexico	7.4	7.9	11.1	16.2
Arizona	32.0	33.3	62.6	73.1
Utah	8.6	6.8	13.0	18.2
Nevada	9.7	7.5	15.1	12.9
Pacific	**144.4**	**114.2**	**221.0**	**263.7**
Washington	23.2	15.7	27.6	29.4
Oregon	12.3	7.0	8.9	8.6
California	98.7	77.9	166.5	212.9
Alaska	4.4	8.6	12.7	7.5
Hawaii	5.8	5.0	5.3	5.3

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided from the Econometric Forecasting Service.

No. 1300. Characteristics of New Privately Owned One-Family Houses Completed: 1970 to 1984

[**Percent distribution, except as indicated.** Data beginning 1975 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported]

CHARACTERISTIC	1970	1975	1980	1983	1984
Total houses (1,000)	793	875	957	924	1,025
Financing	100	100	100	100	100
Mortgage	84	82	81	81	81
FHA-insured	30	9	16	20	13
VA-guaranteed	7	8	8	9	6
Conventional	47	58	55	50	61
Farmers Home Administration		7	3	2	2
Cash or equivalent	16	18	18	19	19
Floor area	100	100	100	100	100
Under 1,200 sq. ft.	36	25	21	22	19
1,200–1,599 sq. ft.	28	30	29	31	30
1,600–1,999 sq. ft.	16	34	22	21	21
2,000–2,399 sq. ft.	21		13	12	12
2,400 sq. ft. and over		11	15	15	17
Average (sq. ft.)	1,500	1,645	1,740	1,725	1,700
Median (sq. ft.)	1,385	1,535	1,595	1,565	1,605
Number of stories	100	100	100	100	100
1	74	65	60	58	54
2 or more	17	23	31	36	40
Split level	10	12	8	6	6
Bedrooms	100	100	100	100	100
2 or less	13	14	17	24	24
3	63	65	63	59	58
4 or more	24	21	20	18	18

CHARACTERISTIC	1970	1975	1980	1983	1984
Bathrooms	100	100	100	100	100
1 or less	32	24	18	18	14
1½	20	17	10	10	10
2	32	40	48	48	48
2½ or more	16	20	25	24	28
Foundation	100	100	100	100	100
Full or partial basement	37	45	36	32	32
Slab	36	35	45	51	50
Crawl space	27	20	19	17	18
Heating fuel	100	100	100	100	100
Electricity	28	49	50	49	48
Gas	62	40	41	43	45
Oil	8	9	3	2	2
Other	1	2	5	6	5
Central air-conditioning	100	100	100	100	100
With	34	46	63	70	71
Without	66	54	37	30	29
Parking facilities	100	100	100	100	100
Garage	58	67	69	68	69
Carport	17	9	7	7	5
No garage or carport	25	24	24	25	25

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

No. 1301. New Privately Owned One-Family Houses Sold, by Region and Type of Financing 1970 to 1984, and by Sales Price, 1984

[**In thousands.** Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. I, inside front cover]

YEAR AND SALES-PRICE GROUP	NUMBER SOLD					FINANCING TYPE			
	Total	Northeast	Midwest	South	West	Conventional	FHA and VA	Farmers Home Administration	Cash
1970	485	61	100	203	121	[1] 213	244	([1])	27
1971	656	82	127	270	176	[1] 314	314	([1])	28
1972	718	96	130	305	187	[1] 447	242	([1])	30
1973	634	95	120	257	161	[1] 465	134	([1])	34
1974	519	69	103	207	139	[1] 378	112	([1])	28
1975	549	71	106	222	150	363	122	43	22
1976	646	72	128	247	199	458	134	23	31
1977	819	86	162	317	255	592	166	24	38
1978	817	78	145	331	262	575	174	26	43
1979	709	67	112	304	225	469	186	18	36
1980	545	50	81	267	145	302	196	14	32
1981	436	46	60	219	112	244	142	14	36
1982	412	47	48	219	99	193	173	11	34
1983	623	76	71	323	152	350	217	8	49
1984 total	**639**	**94**	**76**	**309**	**160**	**423**	**149**	**9**	**58**
Under $50,000	47	3	7	34	3	26	10	7	3
$50,000 to $59,999	75	8	6	50	10	46	21	2	7
$60,000 to $69,999	101	11	10	59	20	60	33	(Z)	7
$70,000 to $79,999	98	13	11	45	29	54	36	(Z)	8
$80,000 to $99,999	126	22	14	51	38	76	36	(Z)	14
$100,000 to $119,999	57	10	8	23	15	47	5	(Z)	4
$120,000 and over	136	25	21	46	44	115	6	(Z)	14

Z Less than 500 units. [1] Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

No. 1302. Median Sales Price of New Privately Owned One-Family Houses Sold, by Region: 1965 to 1984

[**In dollars.** For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	U.S.	North-east	Mid-West	South	West	YEAR	U.S.	North-east	Mid-West	South	West
1965	20,000	21,500	21,600	17,500	21,600	1975	39,300	44,000	39,600	37,300	40,600
1966	21,400	23,500	23,200	18,200	23,200	1976	44,200	47,300	44,800	40,500	47,200
1967	22,700	25,400	25,100	19,400	24,100	1977	48,800	51,600	51,500	44,100	53,500
1968	24,700	27,700	27,400	21,500	25,100	1978	55,700	58,100	59,200	50,300	61,300
1969	25,600	31,600	27,600	22,800	25,300	1979	62,900	65,500	63,900	57,300	69,600
1970	23,400	30,300	24,400	20,300	24,000	1980	64,600	69,500	63,400	59,600	72,300
1971	25,200	30,600	27,200	22,500	25,500	1981	68,900	76,000	65,900	64,400	77,800
1972	27,600	31,400	29,300	25,800	27,500	1982	69,300	78,200	68,900	66,100	75,000
1973	32,500	37,100	32,900	30,900	32,400	1983	75,300	82,200	79,500	70,900	80,100
1974	35,900	40,100	36,100	34,500	35,800	1984 [1]	79,900	88,600	85,400	72,000	87,300

[1] 1985, U.S. total: 1st qtr., $82,800 2d qtr., $84,100.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

No. 1303. New Mobile Homes Placed for Residential Use and Average Sales Price, by Region: 1974 to 1984

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. I, inside front cover]

YEAR	UNITS PLACED (1,000)					AVERAGE SALES PRICE ($1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1974	332.0	23.3	67.5	170.8	70.4	9.3	9.4	9.3	8.3	11.6
1975	229.3	14.7	48.5	110.8	55.2	10.6	10.5	10.7	9.0	13.6
1976	249.6	16.8	51.5	114.8	66.5	12.3	11.6	11.6	10.6	16.0
1977	257.5	16.7	50.7	112.5	77.7	14.2	12.9	13.5	12.1	18.1
1978	279.9	17.4	49.5	135.3	77.7	15.9	14.3	15.1	13.7	20.6
1979	279.9	16.9	47.3	145.2	70.5	17.6	15.8	16.1	15.6	23.1
1980	233.7	12.3	32.3	140.3	48.7	19.8	18.5	18.6	18.2	25.4
1981	229.2	12.0	30.1	143.5	43.6	19.9	19.0	18.9	18.4	25.6
1982	234.1	12.4	25.6	161.1	35.0	19.7	19.8	20.0	18.5	24.7
1983	278.1	16.3	34.3	186.0	41.4	21.0	21.4	20.4	19.7	27.0
1984	287.9	19.8	35.2	193.4	39.4	21.5	22.2	21.1	20.2	27.4

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1304. Existing One-Family Houses Sold and Price, by Region: 1970 to 1984

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

YEAR	HOUSE SOLD (1,000)					MEDIAN SALES PRICE ($1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1970	1,612	251	501	568	292	23.0	25.2	20.1	22.2	24.3
1971	2,018	311	583	735	389	24.8	27.1	22.1	24.3	26.5
1972	2,252	361	630	788	473	26.7	29.8	23.9	26.4	28.4
1973	2,334	367	674	847	446	28.9	32.8	25.3	29.0	31.0
1974	2,272	354	645	839	434	32.0	35.8	27.7	32.3	34.8
1975	2,476	370	701	862	543	35.3	39.3	30.1	34.8	39.6
1976	3,064	439	881	1,033	712	38.1	41.8	32.9	36.5	46.1
1977	3,650	515	1,101	1,231	803	42.9	44.4	36.7	39.8	57.3
1978	3,986	516	1,144	1,416	911	48.7	47.9	42.2	45.1	66.7
1979	3,827	526	1,061	1,353	887	55.7	53.6	47.8	51.3	77.4
1980	2,973	403	806	1,092	672	62.2	60.8	51.9	58.3	89.3
1981	2,419	353	632	917	516	66.4	63.7	54.3	64.4	96.2
1982	1,990	354	490	780	366	67.8	63.5	55.1	67.1	98.9
1983	2,719	493	709	1,035	481	70.3	72.2	56.6	69.2	94.9
1984	2,868	511	755	1,073	529	72.4	78.7	57.1	71.3	95.8

Source: National Association of REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

No. 1305. Median Sales Price of Existing One-Family Homes, by Selected Metropolitan Area: 1982 to 1984

[Areas are metropolitan statistical areas (MSAs) except as indicated; for definitions and components, see Appendix II]

Metropolitan area	Median sales price ($1,000)			Percent change	
	1982	1983	1984	1982–1983	1983–1984
U.S., all areas	**67.8**	**70.3**	**72.4**	**3.7**	**3.0**
Albany-Schenectady-Troy, NY	47.1	49.4	52.9	4.9	7.1
Anaheim-Santa Ana, CA PMSA	133.0	134.9	133.7	1.4	–.9
Atlanta, GA	55.3	63.0	66.2	13.9	5.1
Baltimore, MD	62.0	(NA)	66.1	(NA)	(NA)
Birmingham, AL	60.6	62.8	65.1	3.6	3.7
Boston, MA PMSA	80.2	82.6	100.0	3.0	21.1
Chicago, IL PMSA	73.0	76.4	79.5	4.7	4.1
Cincinnati, OH-KY-IN PMSA	(NA)	57.2	58.9	(NA)	3.0
Cleveland, OH PMSA	(NA)	(NA)	62.7	(NA)	(NA)
Dallas, TX PMSA	74.0	76.0	82.2	2.7	8.2
Denver, CO PMSA	76.2	78.3	82.7	2.8	5.6
Detroit, MI PMSA	47.5	47.5	48.5	-	2.1
Ft. Lauderdale-Hollywood-Pompano Beach, FL PMSA	74.2	73.9	73.1	–.4	–1.1
Houston, TX PMSA	77.2	79.9	77.6	3.5	–2.9
Indianapolis, IN	50.6	52.8	53.1	4.3	.6
Kansas City, MO-KS	58.1	58.8	59.1	1.2	.5
Los Angles-Long Beach, CA PMSA	113.4	112.7	115.3	–.6	2.3
Louisville, KY-IN	46.0	47.4	48.9	3.0	3.2
Memphis, TN-AR-MS	59.3	61.6	64.1	3.9	4.1
Miami-Hialeah, FL PMSA	(NA)	(NA)	79.5	(NA)	(NA)
Milwaukee, WI PMSA	65.8	68.0	68.2	3.3	.3
Minneapolis-St. Paul, MN-WI	72.4	73.6	74.0	1.7	.5
Nashville-Davidson, TN	(NA)	61.0	62.9	(NA)	3.1
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA	70.5	88.9	105.3	26.1	18.4
Oklahoma City, OK	58.4	61.6	63.9	5.5	3.7
Philadelphia, PA-NJ PMSA	58.1	59.6	60.3	2.6	1.2
Providence, RI PMSA	49.7	54.7	59.6	10.1	9.0
Rochester, NY	49.5	54.8	59.7	10.7	8.9
St. Louis, MO-IL	57.0	58.9	61.8	3.3	4.9
Salt Lake City-Ogden, UT	64.6	64.3	65.8	–.5	2.3
San Antonio, TX	58.3	62.6	67.5	7.4	7.8
San Diego, CA	98.6	98.9	100.2	.3	1.3
San Francisco-Oakland-San Jose, CA CMSA	124.9	129.5	129.9	3.7	.3
San Jose, CA PMSA	122.6	127.6	123.1	4.1	–3.5
Tampa-St Petersburg-Clearwater, FL	53.9	55.9	58.4	3.7	4.4
Washington, DC-MD-VA	87.2	89.4	93.0	2.5	4.0

– Represents zero. NA Not available.

Source: National Association of Realtors, *Existing Home Sales,* February 1985. (Copyright.)

No. 1306. Gross Housing Product—Summary: 1970 to 1983

[**In billions of dollars.** For definition of current and constant dollars, see Guide to Tabular Presentation]

Item	Current dollars						Constant (1972) dollars					
	1970	1975	1980	1981	1982	1983	1970	1975	1980	1981	1982	1983
Total value of housing output [1]	90.3	144.5	256.3	291.2	322.1	350.8	98.1	123.8	154.8	159.8	162.6	166.3
Nonfarm housing	87.3	139.1	245.1	279.0	309.3	338.4	94.5	120.6	152.4	157.7	160.7	164.7
Owner-occupied	61.3	99.5	181.4	206.8	229.3	250.6	66.4	86.3	112.8	116.9	119.2	122.0
Tenant-occupied	26.0	39.5	63.7	72.2	80.0	87.8	28.1	34.3	39.6	40.8	41.6	42.7
Farm housing	3.0	5.4	11.1	12.2	12.9	12.4	3.7	3.2	2.4	2.1	1.8	1.6
Less: Intermediate goods and services consumed	*12.4*	*22.4*	*40.6*	*43.3*	*45.2*	*47.7*	*13.5*	*19.0*	*23.8*	*23.0*	*22.1*	*22.0*
Equals: Gross housing product	77.9	122.1	215.6	247.9	276.9	303.1	84.6	104.8	131.0	136.8	140.5	144.4

[1] Equals personal consumption expenditures (see text, pages 427 and 428) for housing, less expenditures for transient hotels, motels, clubs, schools, and other group housing.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929–76,* and *Survey of Current Business,* July issues.

No. 1307. Residential Capital—Stocks and Average Age: 1960 to 1984

[**As of Dec. 31.** Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 897. See also *Historical Statistics, Colonial Times to 1970,* series F 528–534 and N 200–223]

Item	Current dollars (bil. dol)					Constant (1972) dollars (bil. dol.)					Average age [1] (years)			
	1960	1970	1980	1983	1984	1960	1970	1980	1983	1984	1960	1970	1980	1984
Gross stocks [2]	664	1,163	3,852	4,522	4,815	941	1,262	1,679	1,777	1,823	28.1	25.9	24.6	24.9
Private nonfarm: 1–4 units	552	931	3,013	3,534	3,764	786	1,012	1,306	1,379	1,413	27.5	26.6	26.0	26.3
5 or more units	46	122	502	606	655	65	132	218	236	246	27.9	18.3	17.3	18.1
Farm (1–4 units)	41	52	122	131	134	59	56	53	51	50	45.0	45.9	45.4	46.0
Private nonhousekeeping	5	10	23	25	26	7	11	10	10	10	21.8	14.6	19.3	21.6
Mobile homes	4	15	73	86	88	3	14	38	41	43	4.7	4.7	7.1	7.9
Public: Federal, State and local	12	26	90	106	112	17	28	38	40	41	11.7	15.2	20.3	22.2
Net stocks [2 3]	418	754	2,505	2,905	3,094	593	818	1,091	1,140	1,169	18.1	17.0	16.9	17.5
Private nonfarm: 1–4 units	357	605	1,960	2,275	2,423	508	657	850	888	910	17.7	17.8	17.9	18.4
5 or more units	26	87	365	432	467	37	95	158	168	175	20.1	11.1	12.2	13.3
Farm (1–4 units)	18	22	51	53	54	26	24	22	21	20	30.7	30.5	28.5	29.1
Private nonhousekeeping	2	7	12	13	12	3	7	5	5	5	12.7	9.0	16.0	18.3
Mobile homes	3	10	41	45	46	2	10	21	22	22	3.5	3.3	5.3	5.5
Public: Federal, State and local	10	20	61	69	72	14	21	25	26	26	10.2	12.9	17.0	18.4

[1] Constant-dollar stocks. [2] Includes equipment, not shown separately. [3] Based on straight-line depreciation.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925–79, Survey of Current Business,* October 1982, August 1983, August 1984, and unpublished data.

No. 1308. Housing Units—Summary of Characteristics: 1960 to 1983

[In thousands, except as indicated. As of April, except 1983 as of fall. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

Characteristic	1960	1970	1980	1983				
				Total	Regions			
					Northeast	Midwest	South	West
All housing units	**58,326**	**68,672**	**86,411**	**93,519**	**20,053**	**23,874**	**31,150**	**18,443**
All year-round units	56,584	67,699	86,693	91,675	19,352	23,421	30,700	18,201
Occupied units	53,024	63,445	80,390	84,638	18,221	21,618	27,931	16,868
Owner occupied	32,797	39,886	51,795	54,724	11,009	14,935	18,825	9,955
Percent of all occupied	61.9	62.9	64.4	64.7	60.4	69.1	67.4	59.0
Renter occupied	20,227	23,560	28,595	29,914	7,212	6,683	9,106	6,912
Vacant year-round	3,560	4,254	6,303	7,037	1,131	1,803	2,769	1,334
For sale only	522	501	948	955	120	275	364	196
Homeowner vacancy rate	1.6	1.2	1.8	1.7	1.1	1.8	1.9	1.9
For rent	1,453	1,666	2,179	1,906	303	470	753	381
Rental vacancy rate	6.7	6.8	7.1	5.9	4.0	6.4	7.5	5.1
Other vacant	1,084	2,087	3,176	4,176	708	1,058	1,652	756
Vacant, seasonal and migratory	1,742	973	1,718	1,845	700	453	450	241
Cooperatives and condominiums:								
Owner occupied	(NA)	(NA)	(NA)	1,749	422	341	496	489
Cooperatives	(NA)	(NA)	(NA)	360	227	58	35	40
Condominiums	(NA)	(NA)	1,225	1,389	195	284	461	449
Vacant for sale only	(NA)	(NA)	(NA)	145	14	25	65	41
Public or subsidized housing: [1]								
Units in public housing project	(NA)	(NA)	(NA)	2,160	639	525	707	309
Private housing unit with government rent subsidy	(NA)	(NA)	(NA)	1,199	381	252	293	273
Units in structure [2]—								
1-unit	43,758	46,791	57,183	61,482	10,884	16,546	22,298	11,754
Percent of total units	77.3	69.1	65.9	67.1	56.2	70.6	72.6	64.6
2-4 units	7,552	9,007	9,682	11,373	3,847	2,969	2,516	2,041
5 or more units	6,236	9,829	15,478	14,820	4,274	3,149	4,028	3,369
Mobile home or trailer	767	2,073	4,416	3,999	348	756	1,858	1,037
Year structure built: [2]								
April 1970 or later	(x)	(x)	[3] 22,744	23,686	2,633	4,926	10,301	5,826
1960-March 1970	(x)	16,956	[4] 17,087	18,144	3,082	4,242	6,763	4,058
1950-1959	16,046	14,499	14,871	14,331	2,628	3,544	5,013	3,147
1940-1949	8,640	8,788	9,642	8,101	1,549	1,782	3,051	1,719
1939 or earlier	33,632	27,458	22,414	27,413	9,461	8,927	5,573	3,452
Percent built prior to 1940	57.7	40.6	25.8	29.9	48.9	38.1	18.2	19.0
Units with [2]—								
1-3 rooms	11,400	11,028	13,598	13,533	3,498	2,768	3,834	3,433
4 rooms	12,435	14,113	16,969	17,828	3,409	4,100	6,356	3,963
5 rooms	14,323	16,998	20,017	21,937	3,812	5,909	8,160	4,055
6 rooms	11,141	13,609	16,945	18,324	3,869	4,940	6,330	3,184
7 or more rooms	9,020	11,950	19,164	20,053	4,764	5,703	6,020	3,566
Median number of rooms	4.9	5.0	5.1	5.1	5.2	5.3	5.1	4.9
Persons per unit (median):								
Owner occupied	3.1	3.0	2.6	2.5	2.7	2.6	2.5	2.4
Renter occupied	2.6	2.3	2.0	2.0	2.0	1.9	2.2	2.1
Units lacking some or all plumbing facilities [2]	7,899	4,998	2,334	2,233	371	463	1,174	225
Percent	13.2	6.5	2.7	2.4	1.9	2.0	3.8	1.2
Percent of units with—								
Telephone [5]	78.5	87.0	93.0	90.4	91.3	92.2	88.3	90.5
Air conditioning [2]	12.4	36.7	55.0	59.1	46.8	61.7	78.2	37.2
Central system [2]	1.9	10.7	27.5	29.2	9.6	29.5	45.4	23.0
Public sewer [2]	(NA)	70.2	74.1	74.3	76.9	76.5	65.6	83.3
Public or private company water [1]	(NA)	81.7	83.6	84.4	85.8	81.0	81.5	92.1
Year householder moved into unit:								
April 1970 or later	(NA)	(NA)	(NA)	61,655	12,038	15,259	20,665	13,692
1965-March 1970	(NA)	(NA)	(NA)	7,004	1,698	1,852	2,325	1,129
1960-1964	(NA)	(NA)	(NA)	5,090	1,301	1,379	1,643	768
1950-1959	(NA)	(NA)	(NA)	6,397	1,827	1,812	1,911	847
1949 or earlier	(NA)	(NA)	(NA)	4,493	1,358	1,316	1,387	433

NA Not available. X Not applicable. [1] Refers to specified renter-occupied units. [2] For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970, 1980, and 1983 all year-round units. For 1980 and 1983, air conditioning based on occupied housing units. [3] January 1970 or later. [4] 1960 to 1969. [5] Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. I.; *1980 Census of Housing*, vol. I, chapters A and B; and *Current Housing Reports*, series H-150-83, Annual Housing Survey, part A.

No. 1309. Housing Units—Selected Characteristics, by State: 1980

[As of April 1]

State	Total housing units (1,000)	Year-round housing units: Total (1,000)	Percent with— Structure built: 1970 to March 1980	Structure built: 1939 or earlier	5 or more units in structure	Occupied housing units: Total (1,000)	Percent— Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980	Median value (dol.) specified owner [1]	Median selected monthly owner costs [2] (dol.)	Median gross rent [3] (dol.) specified renter [4]
United States	**88,411**	**86,759**	**25.9**	**26.1**	**17.5**	**80,390**	**64.4**	**4.5**	**22.8**	**47,200**	**365**	**243**
Alabama	1,467	1,451	30.9	16.3	9.1	1,342	70.1	5.4	20.8	33,900	295	188
Alaska	163	154	52.7	4.7	22.1	131	58.3	10.1	38.6	76,300	640	368
Arizona	1,111	1,072	48.6	5.6	16.3	957	68.3	7.2	32.5	54,800	365	263
Arkansas	899	889	32.9	17.3	7.2	816	70.5	5.2	23.1	31,100	280	185
California	9,279	9,223	27.2	14.7	24.0	8,630	55.9	7.4	28.0	84,500	411	283
Colorado	1,194	1,170	39.1	18.0	21.4	1,061	64.5	2.8	33.0	64,100	422	252
Connecticut	1,159	1,145	18.1	32.0	17.5	1,094	63.9	2.6	18.1	65,600	434	261
Delaware	239	230	25.7	20.8	16.7	207	69.1	2.6	21.1	44,400	351	247
District of Columbia	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	399	226
Florida	4,379	4,279	43.9	6.7	23.7	3,744	68.3	5.3	26.8	45,100	337	256
Georgia	2,028	2,014	33.3	14.7	14.0	1,872	65.0	5.3	23.9	36,900	340	211
Hawaii	334	332	38.9	10.5	38.1	294	51.7	15.3	26.8	118,100	463	311
Idaho	375	360	38.4	21.9	8.8	324	72.0	4.5	28.8	45,600	332	219
Illinois	4,320	4,304	19.4	34.7	22.3	4,045	62.6	4.2	20.6	52,800	406	246
Indiana	2,092	2,065	22.0	32.1	10.8	1,927	71.7	3.1	21.0	37,200	304	219
Iowa	1,131	1,121	20.5	44.4	10.2	1,053	71.8	2.1	20.6	40,600	348	225
Kansas	955	951	22.7	33.6	9.7	872	70.2	2.4	24.0	37,800	330	219
Kentucky	1,369	1,355	28.7	24.7	10.1	1,263	70.0	4.7	21.2	34,200	298	198
Louisiana	1,548	1,537	30.8	15.9	11.1	1,412	65.5	7.1	23.2	43,000	313	214
Maine	501	428	23.2	47.5	10.0	395	70.9	3.1	20.1	37,900	317	216
Maryland	1,571	1,550	23.6	22.4	22.4	1,461	62.0	3.1	20.6	58,300	413	266
Massachusetts	2,208	2,141	15.4	47.3	20.5	2,033	57.5	2.6	18.2	48,400	424	255
Michigan	3,590	3,451	22.1	27.6	12.5	3,195	72.7	3.1	20.0	39,000	363	250
Minnesota	1,613	1,530	25.2	33.3	17.3	1,445	71.7	2.3	21.8	53,100	375	236
Mississippi	912	905	32.5	15.6	8.0	827	71.0	8.0	20.4	31,400	284	180
Missouri	1,989	1,963	23.9	29.4	11.4	1,793	69.6	3.4	21.3	36,700	317	211
Montana	328	315	30.7	30.3	9.9	284	68.6	3.8	27.8	46,500	347	200
Nebraska	625	619	23.8	38.9	12.3	571	68.4	2.1	22.9	38,000	359	213
Nevada	340	338	51.8	5.7	23.2	304	59.6	4.7	37.7	68,700	454	310
New Hampshire	386	349	27.5	39.0	14.3	323	67.6	2.4	22.0	48,000	408	251
New Jersey	2,772	2,690	16.1	33.4	20.9	2,549	62.0	3.5	16.7	60,200	456	270
New Mexico	508	493	36.5	11.8	12.2	441	68.1	8.6	29.5	45,300	324	216
New York	6,868	6,706	11.9	43.3	35.8	6,340	48.6	4.9	17.1	45,600	430	249
North Carolina	2,275	2,224	32.0	17.3	8.5	2,043	68.4	4.5	20.6	36,000	320	205
North Dakota	259	253	30.9	34.9	14.3	228	68.7	2.7	24.6	43,900	392	206
Ohio	4,108	4,078	20.0	32.8	14.1	3,834	68.4	2.5	20.2	44,900	347	224
Oklahoma	1,237	1,230	30.0	20.2	10.1	1,119	70.7	3.7	26.4	35,600	305	214
Oregon	1,083	1,072	34.2	20.6	15.1	992	65.1	2.9	29.8	56,900	371	257
Pennsylvania	4,596	4,513	16.4	44.8	12.2	4,220	69.9	2.4	15.8	39,100	336	225
Rhode Island	373	363	16.1	43.0	16.4	339	58.8	2.5	19.6	46,800	391	222
South Carolina	1,154	1,123	34.4	15.2	8.4	1,030	70.2	6.0	20.6	35,100	312	206
South Dakota	277	270	26.6	40.7	11.2	243	69.3	3.6	23.5	36,600	352	188
Tennessee	1,747	1,737	31.1	16.7	11.5	1,619	68.6	4.4	22.0	35,600	299	203
Texas	5,549	5,485	35.2	12.2	18.4	4,929	64.3	7.2	29.1	39,100	348	245
Utah	490	481	37.7	18.8	12.5	449	70.7	5.8	28.8	57,300	381	235
Vermont	223	196	24.4	46.9	9.4	178	68.7	2.5	21.6	42,200	336	226
Virginia	2,021	2,000	30.9	17.7	16.2	1,863	65.6	3.4	23.3	48,000	395	259
Washington	1,689	1,652	32.0	21.3	17.2	1,541	65.6	2.9	29.0	59,900	362	254
West Virginia	748	737	24.9	34.2	6.2	686	73.6	4.1	18.0	38,500	290	195
Wisconsin	1,864	1,756	23.1	36.6	12.3	1,652	68.2	2.4	20.7	48,600	381	234
Wyoming	188	182	40.4	22.6	10.0	166	69.2	4.2	34.2	59,800	397	252

[1] "Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. [2] "Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). [3] "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent. [4] "Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Source: U.S. Bureau of the Census, *1980 Census of Housing*, vol. 1, chapters A and B (HC80-1-A and HC80-1-B).

No. 1310. Housing Units—Characteristics for Selected Cities: 1980

[As of **April**. Cities ranked by size of population enumerated as of April 1, 1980, except Honolulu, ranked by county population]

City	Total housing units (1,000)	Yearround housing units: Total (1,000)	Percent with— Structure built: 1970 to March 1980	Structure built: 1939 or earlier	5 or more units in structure	Occupied housing units: Total (1,000)	Percent— Owner occupied units	With 1.01 or more persons per room	Householder moved into unit 1979 to March 1980	Median value specified owner [1] (dol.)	Median selected monthly owner costs [2] (dol.)	Median gross rent [3] specified renter [4] (dol.)
New York, NY	2,946	2,941	7.3	49.4	64.5	2,789	23.4	8.2	17.1	52,220	441	248
Chicago, IL	1,175	1,174	5.9	51.8	41.7	1,093	38.9	8.1	21.0	47,200	371	231
Los Angeles, CA	1,189	1,189	13.6	22.7	40.9	1,135	40.3	13.0	25.8	96,100	420	262
Philadelphia, PA	686	685	5.5	58.4	18.0	620	61.0	4.2	15.4	23,500	269	217
Houston, TX	678	678	36.5	8.4	39.8	603	47.8	7.7	35.6	49,100	378	276
Detroit, MI	471	471	3.2	45.6	18.7	433	57.9	4.8	18.6	20,900	320	216
Dallas, TX	390	290	28.1	9.8	37.6	355	48.5	6.6	34.1	43,900	338	257
San Diego, CA	342	342	32.8	13.0	29.2	321	49.1	5.9	33.8	89,800	416	274
Phoenix, AZ	308	307	39.7	4.8	22.4	285	64.7	5.6	32.8	54,100	357	279
Baltimore, MD	303	302	5.8	50.3	20.7	281	47.2	5.0	18.8	28,700	293	214
San Antonio, TX	278	278	25.9	14.1	20.8	259	59.5	10.5	26.4	27,300	263	209
Honolulu, HI	252	251	35.2	8.4	41.5	230	49.9	15.5	27.4	129,500	494	315
Indianapolis, IN	283	283	19.6	25.9	22.3	260	58.9	3.3	25.5	35,100	300	226
San Francisco, CA	317	316	6.6	57.7	43.0	299	33.7	7.3	25.8	103,900	394	285
Memphis, TN	244	244	20.5	13.6	22.7	230	56.3	6.6	24.5	35,200	275	198
Washington, DC	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	399	226
Milwaukee, WI	253	253	9.7	41.7	22.9	242	47.2	3.4	24.5	45,500	359	238
San Jose, CA	217	217	39.1	7.3	18.6	210	62.1	6.8	30.7	98,100	478	325
Cleveland, OH	240	239	4.4	57.7	22.0	218	48.2	3.3	20.2	30,400	307	195
Columbus, OH	237	237	24.0	24.4	26.6	217	48.8	2.7	30.4	41,300	333	225
Boston, MA	241	241	7.2	63.0	42.8	218	27.2	5.2	25.9	36,000	407	251
New Orleans, LA	226	226	12.3	37.5	19.5	206	39.7	8.6	23.4	50,400	344	210
Jacksonville, FL	214	213	28.5	11.7	19.5	197	62.6	4.4	26.9	31,700	327	240
Seattle, WA	230	230	10.0	40.3	33.3	219	51.0	2.8	27.2	65,100	331	251
Denver, CO	228	228	19.7	29.4	36.6	212	50.2	3.3	33.3	62,000	379	242
Nashville-Davidson, TN	179	179	27.4	14.2	26.0	170	56.4	3.6	26.5	43,800	307	243
St. Louis, MO	202	202	3.7	60.6	21.2	178	45.2	6.9	19.4	26,100	283	186
Kansas City, MO	192	192	12.8	36.5	26.3	175	57.9	3.2	23.7	34,600	301	215
El Paso, TX	134	134	34.6	11.2	25.0	128	59.2	12.4	29.0	39,000	281	196
Atlanta, GA	179	179	12.5	21.0	39.6	163	41.3	6.3	26.0	31,800	335	195

[1] "Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. [2] "Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). [3] "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent. [4] "Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Source: U.S. Bureau of the Census, *1980 Census of Housing*, vol. 1, chapters A and B (HC80-1-A and HC80-1-B).

No. 1311. Occupied Housing Units—Tenure, by Race of Householder: 1920 to 1983

[**In thousands, except as indicated.** As of **April 1**, except **1983**, as of **fall**. Prior to 1960, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1983. For 1920, includes the small number of quasifamilies; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245]

Race of householder and tenure	1920	1930	1940	1950	1960	1970	1980	1983
All races								
Occupied units, total	24,352	29,905	34,855	42,826	53,024	63,445	80,390	84,638
Owner occupied	11,114	14,280	15,196	23,560	32,797	39,886	51,795	54,724
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	64.7
Renter occupied	13,238	15,624	19,659	19,266	20,227	23,560	28,595	29,914
White								
Occupied units, total	21,826	26,983	31,561	39,044	47,880	56,606	68,810	72,562
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,671	49,144
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.8	67.7
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,601	22,139	23,418
Black and other								
Occupied units, total	2,526	2,922	3,293	3,783	5,144	6,839	11,580	12,076
Owner occupied	603	737	778	1,319	1,974	2,881	5,124	5,580
Percent of occupied	23.9	25.2	23.6	34.9	38.4	42.1	44.2	46.2
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,959	6,456	6,496

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. 1; *1970*, vol. 1; *1980 Census of Housing*, vol. 1, chapter A (HC80-1-A); and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1312. Occupied Housing Units—Selected Characteristics, by Race and Spanish Origin of Householder: 1980

[As of April 1]

CHARACTERISTIC	All races	White	Black	American Indian, Eskimo, Aleut	Asian or Pacific Islander	Other races	Spanish origin[1]
Occupied units	**80,389,673**	**68,810,123**	**8,381,668**	**397,252**	**993,458**	**1,807,172**	**4,007,896**
Northeast	17,470,616	15,265,596	1,624,257	25,945	162,672	392,146	788,957
Midwest	20,859,206	18,782,200	1,718,821	67,008	107,002	184,175	342,602
South	26,486,217	21,594,519	4,258,708	113,237	123,273	396,480	1,223,960
West	15,573,634	13,167,808	779,882	191,062	600,511	834,371	1,652,377
Owner occupied	51,794,545	46,670,775	3,724,251	212,209	521,230	666,080	1,738,920
Percent of total occupied	64.4	67.8	44.4	53.4	52.5	36.9	43.4
Renter occupied	28,595,128	22,139,348	4,657,417	185,043	472,228	1,141,092	2,268,976
Median:							
Value[2] (dol.)	47,200	48,600	27,200	35,400	82,900	44,200	44,700
Monthly owner costs:[2,3]							
With a mortgage (dol.)	366	371	307	320	498	320	333
Without a mortgage (dol.)	128	130	115	93	114	92	94
Gross rent[4] (dol.)	243	251	208	226	264	226	231
Household income in 1979 (dol.)	16,745	17,578	10,810	12,200	19,900	12,246	13,347
Percent of units—							
Lacking complete plumbing facilities	2.2	1.7	5.5	10.8	2.7	3.8	3.8
With structure built—							
1970 to March 1980	25.5	26.5	17.9	32.6	31.3	18.7	20.9
Prior to 1940	25.8	25.7	27.6	20.4	18.0	25.8	24.0
One unit in structure	67.0	69.1	54.7	63.5	53.5	47.2	51.9
Five or more units in structure	17.2	15.4	26.7	16.2	33.5	33.7	30.1
With no telephone	7.1	5.5	16.1	27.5	4.8	20.9	16.9
Lacking air conditioning	44.2	41.9	57.3	60.5	56.0	61.8	55.1
Lacking public sewer	25.6	27.6	13.7	33.3	8.7	9.0	11.0
With no vehicle	12.9	10.2	32.6	17.9	15.6	25.4	21.8
Householder moved into unit 1979 to March 1980	22.7	22.2	22.3	33.4	34.1	35.2	31.5

[1] Persons of Spanish origin may be of any race. [2] Specified owner-occupied housing units; see footnote 1, table 1314. [3] See footnote 3, table 1314. [4] Specified renter-occupied housing units; see footnote 4, table 1314.

Source: U.S. Bureau of the Census, *1980 Census of Housing*, vol. 1, chapters A and B (HC80-1-A1 and HC80-1-B1), and unpublished data.

No. 1313. Occupied Housing Units—Selected Characteristics, by Tenure: 1960 to 1983

[**Percent distribution.** As of **April**, except **1983** as of **fall**]

CHARACTERISTIC	1960			1970			1980			1983		
	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter	Total	Owner	Renter
Rooms in unit:												
1-2 rooms	6	23	14	4	17	10	5	1	12	4	1	10
3-4 rooms	32		51	28		51	29	15	53	29	15	54
5 rooms	26	29	19	26	28	21	23	25	19	24	26	20
6 rooms	20	26	10	22	27	11	20	26	10	21	26	10
7 rooms or more	16	22	6	20	28	7	23	33	6	23	32	6
Units in structure:												
1 unit	76	94	48	74	94	38	70	93	31	73	94	35
2-4 units	13	6	25	14	6	29	12	4	24	12	4	26
5-9 units	11		9	4		11	18	3	45	15	2	39
10 units or more			18	8		22						
With all plumbing facilities	84	89	77	95	97	91	98	99	96	98	99	97
Year structure built:												
1975 or later	(x)	(x)	(x)	(x)	(x)	(x)	12	14	10	26	27	24
1970-1974	(x)	(x)	(x)	(x)	(x)	(x)	13	13	14			
1960-1969	(x)	(x)	(x)	24	26	19	20	20	20	20	21	19
1950-1959	27	34	16	19	24	12	18	19	15	16	19	11
1940-1949	15	16	13	14	14	13	11	10	13	9	9	9
1939 or earlier	58	50	71	43	36	56	26	24	28	29	25	37

X Not applicable.

Source: U.S. Bureau of the Census, *Census of Housing, 1960; 1970;* and *1980;* and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1314. Occupied Housing Units—Financial Summary: 1970 to 1983

[In thousands, except as indicated. See headnote, table 1308. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1 inside fornt cover]

CHARACTERISTIC	1970	1980	1983				
			Total	Region			
				North-east	Mid-west	South	West
Occupied units, total	**63,450**	**80,390**	**84,638**	**18,221**	**21,618**	**27,931**	**16,868**
Median income:							
Owner occupied (dol.)	9,700	19,800	24,400	26,300	24,300	21,700	28,000
Renter occupied (dol.)	6,300	10,500	12,400	12,400	11,800	12,400	13,500
Specified owner occupied [1]	31,891	39,470	43,535	8,674	11,906	14,911	8,043
With value of—							
Less than $20,000	19,739	4,777	2,409	362	731	1,218	96
$20,000-$24,999	4,674	2,494	1,486	261	503	637	85
$25,000-$34,999	4,436	5,511	4,207	693	1,468	1,840	206
$35,000-$49,999	2,045	8,496	8,703	1,740	2,846	3,377	740
$50,000-$99,999	996	14,382	19,464	4,272	5,385	6,068	3,739
$100,000 and over		3,810	7,269	1,344	975	1,772	3,176
Median—							
Value (dol.)	17,000	47,200	59,700	61,900	52,500	52,100	89,100
Real estate taxes [2] (dol.)	(NA)	460	564	1,100	635	270	572
Units monthly costs [3]—							
With mortgages (dol.)	(NA)	366	463	503	453	428	500
Owned clear (dol.)	(NA)	128	166	223	178	137	134
Specified renter occupied [4]	22,334	27,252	29,214	7,149	6,469	8,791	6,804
With gross rent of—							
Less than $80	5,466	1,080	646	114	150	302	80
$80-$99	3,701	651	551	116	109	201	125
$100-$119	3,332	818	1,707	448	395	580	285
$120-$149	3,772	1,678					
$150-$199	3,304	4,219	2,364	545	637	805	376
$200-$299	1,194	10,023	7,377	1,854	2,088	2,097	1,338
$300 and over	265	7,516	15,168	3,843	2,804	4,144	4,374
No cash rent	1,300	1,267	1,401	226	286	662	228
Median rent (dol.)	108	243	315	316	286	304	362

NA Not available. [1] Includes only 1-family homes on less than 10 acres and no business on the property. [2] Taxes paid previous year. [3] Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage. [4] Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Census of Housing, 1970* and *1980*, vol. 1, and *Current Housing Reports*, H-150-83, Annual Housing Survey: 1983, part A.

No. 1315. Heating Equipment and Fuels for Occupied Units: 1950 to 1983

ITEM	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1950	1960	1970	1980	1983	1950	1960	1970	1980	1983
Occupied units, total	**42,826**	**53,024**	**63,445**	**80,390**	**84,638**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Heating equipment:										
Warm air furnace	[1] 11,508	17,378	27,515	39,279	44,320	[1] 26.9	32.8	43.4	48.9	52.4
Heat pumps				2,835	2,171				3.5	2.6
Steam or hot water	10,071	11,990	13,211	13,859	13,772	23.5	22.6	20.8	17.2	16.3
Floor, wall, or pipeless furnace	([1])	6,088	5,552	4,693	5,977	([1])	11.5	8.8	5.8	7.1
Built-in electric units	–	664	3,236	6,370	6,207	–	1.3	5.1	7.9	7.3
Room heaters with flue	[2] 15,399	[2] 11,183	7,209	6,098	3,438	[2] 36.0	[2] 21.1	11.4	7.6	4.1
Room heaters without flue	5,268	5,218	3,558	2,736	2,926	12.3	9.8	5.6	3.4	3.5
Fireplaces, stoves, or heaters [3]	([2])	([2])	2,766	3,977	5,152	([2])	([2])	4.4	4.9	6.1
None	581	503	398	541	677	1.4	.9	.6	.7	.8
House heating fuel:										
Utility gas	11,387	22,851	35,014	42,658	46,700	26.6	43.1	55.2	53.1	55.2
Fuel oil, kerosene, etc	9,686	17,158	16,473	14,655	13,031	22.6	32.4	26.0	18.2	15.4
Electricity	283	933	4,876	14,768	15,684	.7	1.8	7.7	18.3	18.5
Bottled, tank, or LP gas	787	2,686	3,807	4,535	3,869	1.8	5.1	6.0	5.6	4.6
Wood and other fuel	4,855	2,460	1,060	2,729	4,245	11.3	4.6	1.7	3.4	5.0
Coal or coke	14,828	6,456	1,821	504	432	34.6	12.2	2.9	.6	.5
None	999	478	395	541	677	2.3	.9	.6	.7	.8
Cooking fuel:										
Electricity	6,403	16,351	25,768	41,906	(NA)	15.0	30.8	40.6	52.1	(NA)
Utility gas	22,084	27,296	31,244	32,375	(NA)	51.6	51.5	49.2	40.3	(NA)
Bottled, tank, or LP gas	3,417	6,491	5,314	5,569	(NA)	8.0	12.2	8.4	6.9	(NA)
Other fuel	10,796	2,603	908	398	(NA)	25.2	4.9	1.4	.5	(NA)
None	124	280	213	142	(NA)	.3	.5	.3	.2	(NA)

– Represents zero. NA Not available. [1] "Floor, wall, or pipeless furnace" included in "Warm air furnace." [2] "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." [3] Portable heaters.

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. 1, and *1980*, vol. 1; *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1316. Appliances Used by Households, by Region and Family Income: 1982

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. See headnote, table 1317]

Type of Appliance	Households using appliance		Region				Family income in 1981			
	Number	Percent of total	Northeast	Midwest	South	West	Under $15,000	$15,000–$24,999	$25,000–$34,999	$35,000 and over
Total households	**83.8**	**100.0**	**18.0**	**21.3**	**28.1**	**16.5**	**36.1**	**19.8**	**15.2**	**12.6**
Air conditioners: Room [1]	25.9	30.9	7.3	6.5	9.9	2.2	11.8	6.5	4.6	3.0
Central system	22.7	27.1	2.0	5.8	11.4	3.5	6.0	5.1	5.7	6.0
Clothes washer	59.8	71.4	12.3	15.3	20.8	11.5	21.2	14.3	12.9	11.4
Clothes dryer	50.1	59.8	9.6	14.0	16.6	9.9	15.0	12.1	12.0	11.0
Dehumidifier	7.5	9.0	2.4	3.9	1.1	.1	1.7	1.7	2.4	1.8
Dishwasher	30.3	36.1	5.8	6.8	10.3	7.3	5.4	7.2	8.4	9.3
Evaporative cooler [2]	3.6	4.2	–	.1	.6	2.8	1.5	.9	.7	.4
Freezer	31.0	37.0	5.0	9.1	12.0	4.9	10.6	7.4	7.1	5.9
Humidifier	11.3	13.5	2.5	6.3	1.7	.8	3.1	2.7	2.5	3.0
Microwave oven [3]	17.3	20.7	2.0	5.2	5.7	4.4	3.4	4.1	4.8	5.0
Motor vehicles [4]: One	30.6	36.5	6.4	7.7	10.5	6.0	17.3	7.6	3.5	2.1
Two or more	41.6	49.6	7.3	10.8	14.4	9.0	9.2	10.7	11.5	10.3
Outdoor gas grill	9.4	11.2	3.0	2.1	3.1	1.2	1.2	2.2	2.7	3.3
Outdoor gas light	1.4	1.7	.1	.5	.7	.1	.3	.4	.3	.5
Oven: Electric	43.5	51.9	7.6	11.1	16.1	8.7	15.6	10.7	9.0	8.2
Gas	35.0	41.7	9.1	8.6	10.1	7.2	17.6	8.1	5.4	3.8
Portable electric heater	7.7	9.2	1.4	1.3	3.4	1.6	3.7	1.6	1.2	1.2
Portable kerosene heater	2.8	3.3	1.0	.5	1.2	.1	.9	.5	.8	.5
Range: Electric	44.7	53.3	7.6	11.9	16.5	8.7	16.0	10.8	9.4	8.4
Gas	39.0	46.6	10.3	9.6	11.4	7.7	19.9	9.0	5.9	4.2
Refrigerator: Frost-free	53.2	63.5	10.4	12.9	18.9	11.1	18.2	12.9	11.7	10.5
Non frost-free [5]	36.2	43.2	9.0	10.3	10.5	6.4	19.2	8.2	5.2	3.6
Television set: Color	71.0	84.8	15.5	18.3	22.8	14.4	27.0	17.7	14.3	12.0
Black and white	38.9	46.5	8.9	10.6	13.7	5.8	17.1	8.4	7.1	6.3
Water heater [6]: Gas	42.8	51.1	7.1	12.5	12.6	10.6	16.8	10.0	8.4	7.5
Electric	25.5	30.4	3.4	5.3	12.7	4.0	10.3	6.5	5.0	3.6
Other fuel	3.5	4.2	2.7	.1	.6	.2	1.2	.7	.8	.7
Whole house cooling fan	6.5	7.8	1.3	1.8	2.8	.6	1.8	1.4	1.5	1.8
Window or ceiling fan	23.5	28.0	5.0	6.5	10.0	1.9	9.5	5.7	4.6	3.6

– Represents or rounds to zero. [1] Includes small amount of households that have both central air conditioners and room units. [2] An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. [3] Microwave is first or second most used oven. [4] All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. [5] Includes refrigerators without freezer compartments. [6] Excludes water heaters that serve more than one household.

No. 1317. Housing Units—Characteristics, by Primary Heating Fuel and Equipment: 1982

[In millions. As of November. Excludes Alaska and Hawaii. Covers year-round units only. For composition of regions, see fig. I, inside front cover. Based on Residential Energy Consumption Survey; see Appendix III]

Characteristic	Total occupied housing units [1]	Primary heating fuel					Primary heating equipment					
		Natural gas	Fuel oil, kerosene	Electricity	LPG [2]	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters [3]	Floor, wall, or pipeless furnace	Built in electric units	Wood or coal stove
Total	**83.8**	**47.5**	**12.0**	**13.4**	**3.8**	**5.6**	**39.5**	**14.2**	**6.4**	**7.5**	**5.0**	**5.3**
Region:												
Northeast	18.0	7.5	7.6	1.3	.2	1.0	5.9	9.2	.4	.2	.9	1.1
Midwest	21.3	15.5	1.6	2.1	1.0	1.1	14.0	3.3	.8	.9	1.0	.8
South	28.1	13.3	2.5	6.8	2.3	2.6	12.5	1.1	4.4	2.3	1.6	2.6
West	16.5	11.1	.4	3.1	.4	.9	7.1	.6	.9	4.1	1.5	.8
Type:												
Single-family detached	53.8	30.5	7.2	6.9	2.7	5.2	28.1	5.1	4.9	4.7	2.4	4.9
Single-family attached	3.9	2.7	.4	.6	.1	.1	1.8	1.1	.1	.4	.3	.1
2–4 unit building	10.1	7.0	1.8	1.1	.1	.1	3.8	3.1	1.0	1.1	.4	.1
5 or more unit building	12.2	6.2	2.1	3.9	–	(NA)	3.2	4.9	.3	1.1	1.9	(NA)
Mobile home	3.7	1.1	.6	.9	.9	.3	2.6	–	.2	.1	–	.3
Year house built:												
1939 or earlier	23.6	14.0	5.4	.7	1.2	1.8	8.6	6.7	3.4	2.3	.4	1.7
1940 to 1949	7.0	4.4	1.4	.3	.2	.5	3.1	1.3	1.0	.7	.1	.4
1950 to 1959	13.4	9.1	2.0	.9	.5	.7	6.5	2.2	1.0	2.1	.3	.5
1960 to 1969	16.7	10.4	1.7	2.7	.6	1.0	8.8	2.3	.7	1.3	1.2	1.0
1970 to 1974	10.2	5.0	.7	3.0	.6	.8	5.7	.8	.1	.6	1.4	.9
1975 or later	12.9	4.7	.8	5.7	.7	.9	6.6	1.0	.3	.5	1.5	.8

– Represents zero or rounds to zero. NA Not available. [1] Includes types of fuel and equipment not shown separately. [2] Liquid petroleum gas. [3] With or without flue.

Source of tables 1316 and 1317: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristic, 1982*, August 1984.

No. 1318. Housing Units—Characteristics, by Square Footage of Floor Space: 1980 to 1982

[See headnote, table 1317]

Characteristic	Average number of square feet per household				Households by measured heated square footage of residence (mil.)				
	Total		Heated		Total	Less than 1,000	1,000 to 1,599	1,600 to 2,399	2,400 and over
	Mean	Median	Mean	Median					
1980, total	1,745	1,488	1,499	1,260	81.6	28.6	24.0	17.8	11.3
1981, total	1,734	1,452	1,482	1,247	83.1	29.0	25.2	18.0	11.0
1982, total	**1,698**	**1,463**	**1,449**	**1,222**	**83.8**	**30.3**	**25.1**	**17.7**	**10.6**
Northeast	1,914	1,790	1,583	1,373	18.0	6.0	4.5	4.5	2.9
Midwest	1,874	1,782	1,592	1,344	21.3	6.8	5.5	5.2	3.9
South	1,557	1,305	1,345	1,170	28.1	10.6	9.9	5.2	2.4
West	1,474	1,280	1,296	1,103	16.5	6.9	5.2	2.9	1.4
Single family detached	2,061	1,872	1,717	1,525	53.8	10.2	18.3	15.5	9.7
Single family attached	1,787	1,745	1,535	1,513	3.9	.9	1.3	1.3	.3
2-4 unit building	1,137	929	1,025	843	10.1	6.2	2.8	.7	.5
5 or more unit building	795	736	784	733	12.2	10.2	1.7	.1	.2
Mobile home	860	780	846	773	3.7	2.8	.9	–	(NA)
Year house built:									
1939 or earlier	1,742	1,498	1,426	1,210	23.6	8.9	7.1	4.7	3.0
1940–1949	1,665	1,488	1,379	1,166	7.0	2.8	2.1	1.4	.7
1950–1959	1,663	1,519	1,460	1,302	13.4	4.0	4.8	3.2	1.4
1960–1969	1,709	1,440	1,474	1,209	16.7	6.0	4.9	3.6	2.2
1970–1974	1,639	1,344	1,444	1,196	10.2	4.2	2.7	2.0	1.4
1975–1979	1,750	1,543	1,526	1,300	10.0	3.3	2.7	2.4	1.6
1980 or later	1,534	1,250	1,374	1,120	2.9	1.2	.8	.5	.3

– Represents zero or rounds to zero. NA Not available.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1982*, August 1984 and earlier issues.

No. 1319. Low-Income Public Housing Units, by Progress Stage: 1960 to 1984

[**In thousands.** As of **Dec. 31.** Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186–191]

Year	Total	Occupied units [1]	Under construction	Other [2]	Year and program	Total	Occupied units [1]	Under construction	Other [2]
1960	**593.3**	**478.2**	**36.4**	**78.8**	**1982**	**1,432.2**	**1,231.4**	**66.7**	**134.1**
Elderly	18.9	1.1	4.1	13.7	Elderly	392.0	328.4	27.7	35.9
1970	**1,155.3**	**893.5**	**126.8**	**135.0**	**1983**	**1,483.3**	**1,262.5**	**86.7**	**134.1**
Elderly	249.4	143.4	65.7	40.3	Elderly	410.0	338.4	35.7	35.9
1975	**1,316.7**	**1,180.4**	**52.9**	**83.4**	**1984**	**1,524.9**	**1,287.8**	**102.9**	**134.2**
Elderly	336.3	288.3	24.3	23.7	Elderly	425.5	347.7	41.7	36.1
1980	**1,321.1**	**1,195.6**	**20.9**	**104.6**	New construction	1,296.2	1,154.1	93.4	48.7
Elderly	358.3	317.7	11.5	29.1	Conventional [3]	980.8	885.1	57.9	37.8
1981	**1,404.0**	**1,229.3**	**51.5**	**123.2**	Turnkey [4]	315.4	269.0	35.5	10.9
Elderly	385.4	327.7	21.8	35.9	Acquistion [5]	47.7	31.4	4.2	12.1
					Leased housing [6]	181.0	102.3	5.3	73.4
					New	54.3	37.7	3.2	13.4

[1] Under management or available for occupancy. [2] To be constructed or to go directly "under management" because no rehabilitation needed. [3] New housing constructed on the Local Housing Authority (LHA) site pursuant to a contract let by the LHA. [4] New housing purchased by the LHA from a private developer upon completion of construction pursuant to an earlier agreement. [5] Existing housing acquired by the LHA. [6] Existing housing leased by LHA from an owner under a contract permitting LHA to sub-lease the units.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

No. 1320. New Apartments Completed and Rented in 3 Months, by Region: 1980 to 1984

[Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability]

Year and rent	Number (1,000)					Percent rented in 3 months				
	Total	Northeast	Midwest	South	West	Total	Northeast	Midwest	South	West
1980	196.1	14.2	43.8	91.5	46.6	75	77	77	74	75
1981	135.3	4.9	36.9	68.4	25.1	80	85	86	78	75
1982	117.0	4.6	21.9	66.8	23.7	72	74	79	70	72
1983	191.5	3.5	41.1	115.1	31.8	69	73	86	63	69
1984	**313.9**	**3.8**	**41.0**	**194.5**	**74.6**	**67**	**65**	**79**	**63**	**70**
Less than $300	36.0	.6	9.3	23.0	3.2	70	15	72	68	87
$300–$349	54.7	.5	9.7	34.6	10.0	72	82	85	68	75
$350–$399	75.9	.5	10.0	50.0	15.4	67	81	81	64	68
$400–$449	51.1	.3	5.0	32.0	13.8	63	70	87	58	66
$450–$499	42.9	.4	2.0	27.4	13.2	61	58	81	61	59
$500 or more	53.1	1.5	5.0	27.5	19.1	67	71	67	62	75

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-131-84-A, and unpublished data.

No. 1321. Vacancy Rates for Housing Units—Characteristics: 1980 to 1984

[**In percent.** Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258]

RENTAL UNITS	1980	1981	1982	1983	1984
Total rental units	**5.4**	**5.0**	**5.3**	**5.7**	**5.9**
Inside SMSAs	5.2	4.8	5.0	5.5	5.7
Outside SMSAs	6.1	5.7	6.2	6.3	6.4
Northeast	4.2	3.7	3.7	4.0	3.7
Midwest	6.0	5.9	6.3	6.1	5.9
South	6.0	5.4	5.8	6.9	7.9
West	5.2	5.1	5.4	5.2	5.2
Units in structure: 1 unit	3.4	3.3	3.6	3.7	3.8
2 or more	6.4	6.0	6.2	6.7	7.0
5 or more	7.1	6.4	6.5	7.1	7.5
Units with: 3 rooms or less	6.9	6.9	7.2	7.2	7.5
4 rooms	5.2	4.8	5.0	5.7	6.3
5 rooms	4.3	3.8	4.0	4.4	4.6
6 rooms or more	3.8	3.2	3.5	3.7	3.5
Monthly rent: Less than $80	2.5	3.0	3.4	2.5	2.7
$80-$99	3.4				
$100 or more	6.0	5.2	5.4	5.7	5.9
Year built: 1960 or later	5.8	5.1	5.3	5.9	6.6
1965 or later	6.2	5.3	5.6	6.2	
1940-1959	4.7	4.9	5.2	5.4	5.6
1939 or earlier	5.5	5.2	5.5	5.6	5.3
Plumbing: With all facilities	5.2	4.8	5.1	5.5	5.7
Lacking facilities	10.6	12.3	12.2	11.8	13.6

HOMEOWNER UNITS	1980	1981	1982	1983	1984
Total homeowner units	**1.4**	**1.4**	**1.5**	**1.5**	**1.7**
Inside SMSAs	1.3	1.4	1.5	1.6	1.6
Outside SMSAs	1.4	1.3	1.5	1.5	1.8
Northeast	1.1	1.1	1.0	1.0	.8
Midwest	1.6	1.4	1.6	1.5	1.6
South	1.3	1.3	1.6	1.8	2.0
West	1.6	1.7	1.9	1.8	2.0
Units in structure: 1 unit	1.2	1.1	1.2	1.3	1.4
2 or more	4.3	5.4	6.1	5.2	6.1
5 or more	8.7	10.8	12.2	8.8	10.6
Units with: 3 rooms or less	3.5	3.5	3.9	3.3	4.8
4 rooms	1.7	2.0	2.4	2.4	2.6
5 rooms	1.2	1.4	1.4	1.4	1.6
6 rooms or more	1.3	1.1	1.2	1.3	1.4
Value: Less than $10,000	1.5	1.8	2.3	2.3	2.5
$10,000-$19,999	.9				
$20,000-$24,999	.9	1.1	1.2	1.2	1.3
$25,000 or more	1.3				
Year built: 1960 or later	1.8	1.6	1.8	1.8	2.0
1965 or later	2.1	1.8	2.1	1.9	1.2
1940-1959	.8	.8	.9	1.1	
1939 or earlier	1.5	1.6	1.6	1.7	1.7
Plumbing: With all facilities	1.3	1.4	1.5	1.5	1.6
Lacking facilities	4.2	3.3	3.9	3.6	5.3

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

No. 1322. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs: 1970 to 1984

YEAR AND TYPE OF EXPENDITURE	Unit	All properties	1-unit properties with owner occupant	Other properties	Additions and alterations: Total	Additions and alterations: Residential	Additions and alterations: Other property	Major construction replacements	Maintenance and repairs
1970: Total expenditures	**Mil. dol**	**14,770**	**9,469**	**5,301**	**6,246**	**4,950**	**1,296**	**2,629**	**5,895**
Average per property	Dollars	297	265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1975: Total expenditures	**Mil. dol**	**25,239**	**15,684**	**9,556**	**10,997**	**8,815**	**2,182**	**4,484**	**9,758**
Average per property	Dollars	459	382	685	200	160	40	82	178
1980: Total expenditures	**Mil. dol**	**46,338**	**31,481**	**14,857**	**21,336**	**15,376**	**5,960**	**9,816**	**15,187**
Average per property	Dollars	761	698	994	355	256	99	163	253
1981: Total expenditures	**Mil. dol**	**46,351**	**30,201**	**16,150**	**20,414**	**15,111**	**5,303**	**9,915**	**16,022**
Average per property	Dollars	758	661	1,047	334	247	87	162	262
1982: Total expenditures [1]	**Mil. dol**	**45,291**	**29,779**	**15,512**	**18,774**	**13,352**	**5,423**	**9,707**	**16,810**
Average per property	Dollars	701	630	896	291	207	84	150	260
Heating and air-conditioning [2]	Mil. dol	3,230	2,041	1,189	687	687	(NA)	1,707	836
Plumbing	Mil. dol	4,258	2,199	2,059	710	710	(NA)	1,748	1,799
Roofing	Mil. dol	5,105	3,257	1,848	(NA)	(NA)	(NA)	3,780	1,324
Painting	Mil. dol	5,734	3,194	2,540	(NA)	(NA)	(NA)	(NA)	5,734
1983: Total expenditures [1]	Mil. dol	**49,295**	**32,524**	**16,771**	**20,271**	**16,412**	**3,859**	**10,895**	**18,128**
Average per property	Dollars	761	681	984	313	253	59	168	280
Heating and air-conditioning [2]	Mil. dol	3,714	2,643	1,071	701	701	(NA)	2,022	991
Plumbing	Mil. dol	3,982	2,054	1,928	557	557	(NA)	1,741	1,684
Roofing	Mil. dol	5,093	3,161	1,932	(NA)	(NA)	(NA)	3,579	1,514
Painting	Mil. dol	6,317	3,529	2,788	(NA)	(NA)	(NA)	(NA)	6,317
1984: Total expenditures [1]	**Mil. dol**	**63,174**	**37,523**	**26,650**	**23,604**	**18,504**	**5,100**	**15,785**	**23,784**
Average per property	Dollars	956	773	1,523	357	280	77	239	360
Heating and air conditioning [2]	Mil. dol	6,265	3,869	2,398	961	961	(NA)	4,062	1,243
Plumbing	Mil. dol	5,915	2,366	3,549	678	678	(NA)	2,651	2,586
Roofing	Mil. dol	6,303	3,891	2,412	(NA)	(NA)	(NA)	4,120	2,183
Painting	Mil. dol	7,974	4,052	3,922	(NA)	(NA)	(NA)	(NA)	4,052

NA Not available. [1] Includes types of expenditures not separately specified. [2] Central air-conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C50.

No. 1323. Recent Home Buyers—General Characteristics and Downpayments: 1976 to 1984

[As of **October.** Based on a sample survey; subject to sampling variability]

ITEM	Unit	1976	1978	1979	1980	1981	1982	1983	1984
Median price of house purchased	Dollars	43,340	54,750	58,100	68,714	78,220	82,500	90,100	89,400
First-time buyers	Dollars	37,670	46,700	50,800	61,450	63,180	58,900	73,100	81,500
Repeat buyers [1]	Dollars	50,090	59,180	64,600	75,750	82,220	98,300	101,800	100,400
Average monthly mortgage payment	Dollars	329	384	449	599	694	732	794	868
Percent of income	Percent	24.0	26.0	28.2	32.4	35.5	33.0	32.5	30.3
Percent buying—									
New houses	Percent	15.1	14.4	17.8	22.4	25.2	23.2	26.4	22.3
Existing houses	Percent	84.9	85.6	82.2	77.6	74.8	76.8	73.6	77.7
Single-family houses	Percent	88.8	86.6	87.5	82.4	78.3	76.6	87.8	89.9
Multiple-family houses	Percent	4.8	7.6	5.3	5.5	6.9	6.5	4.6	2.5
Condominiums	Percent	6.4	5.6	6.8	12.1	13.4	16.9	7.6	7.6
For the first time	Percent	44.8	36.7	36.6	32.9	39.4	40.6	40.5	37.7
Average age of first-time buyers	Years	28.1	28.3	28.4	28.3	28.4	28.6	28.9	29.1
Average age of repeat buyers [1]	Years	35.9	35.5	34.7	36.4	36.4	37.1	37.3	37.8
Source of downpayment for—									
First-time buyer:									
Entirely from savings and investments	Percent	70.9	73.5	43.8	51.1	63.8	67.6	73.2	65.9
Help from relatives	Percent	20.4	8.7	32.6	32.6	17.0	11.3	19.5	19.9
Repeat buyers: [1]									
Entirely from savings and investments	Percent	21.2	19.2	14.8	27.7	22.6	27.5	29.1	32.7
Entirely from previous home sale	Percent	45.5	56.6	55.8	39.7	46.2	52.9	39.4	28.9
Downpayment to sales price	Percent	25.2	21.4	24.9	28.0	24.1	22.4	22.9	20.9
First-time buyers	Percent	18.0	12.4	17.6	20.5	19.4	15.1	15.7	13.2
Repeat buyers [1]	Percent	30.8	27.8	29.0	32.7	27.1	27.3	27.8	25.6

[1] Buyers who previously owned a home.

Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor,* bimonthly. (Copyright.)

No. 1324. Volume of Long-Term Mortgage Loans Originated, by Type of Property, 1970 to 1984, and by Lender, 1984

[**In billions of dollars.** Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1979	1980	1981	1982	1983	1984, by lender					
								Total [1]	Savings and loan	Commercial banks	Mortgage companies	Fed. credit agencies	Mutual savings
Loans, total	**59.8**	**120.7**	**258.2**	**197.2**	**158.1**	**153.9**	**293.9**	**310.5**	**129.6**	**79.1**	**50.8**	**11.6**	**18.1**
1-4 unit family home	35.6	77.9	186.6	133.7	98.3	97.0	201.9	202.2	96.2	40.5	47.6	3.2	12.7
New units	12.6	24.6	60.5	49.1	37.3	30.6	47.4	53.4	23.4	8.7	16.2	2.0	2.1
Existing units	23.0	53.3	126.1	84.6	61.0	66.4	154.5	148.8	72.8	31.7	31.4	1.2	10.6
Multifamily residential	8.8	10.7	15.8	12.5	12.0	11.4	19.7	23.2	13.2	3.1	.4	2.4	2.1
New units	7.0	5.8	8.4	8.6	8.0	6.1	7.1	7.2	3.0	.5	.1	2.3	.3
Existing units	1.8	4.9	7.4	3.9	4.0	5.3	12.6	16.0	10.1	2.6	.3	.1	1.8
Non-residential	12.5	24.2	41.0	35.9	32.5	34.3	62.4	74.7	20.1	31.7	2.8	.7	3.4
Farm properties	3.0	7.9	14.8	15.0	15.4	11.2	9.9	10.4	.1	3.9	-	5.3	-

- Represents zero. [1] Includes life insurance companies and other lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity, 1970–1979,* and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

No. 1325. Mortgage Status of Nonfarm Dwelling Units: 1940 to 1983

[**In millions, except percent.** Prior to 1960, excludes Alaska and Hawaii. For 1940 and 1950, mortgage data are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business; for 1960, properties with 1- to 4-dwelling units; for 1971–1981, properties with 1 housing unit. See also *Historical Statistics, Colonial Times to 1970,* series N 302–307]

ITEM	1940	1950	1960	1971	1974	1975	1976	1977	1978	1979	1980	1981	1983
Owner occupied units	11.4	19.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3	41.9	43.3	43.5
Reporting mortgage status	10.6	17.8	27.9	33.2	36.2	37.2	37.9	38.8	40.1	41.3	41.9	43.3	43.5
Mortgaged	4.8	7.8	15.8	20.1	23.0	23.4	24.1	24.9	25.6	26.4	27.1	27.9	27.8
Percent	45.3	44.0	56.8	60.6	63.5	63.0	63.5	64.2	63.9	64.0	64.6	64.5	63.8
Not mortgaged	5.8	10.0	12.0	13.1	13.2	13.8	13.8	13.9	14.5	14.9	14.9	15.4	15.8

Source: U.S. Bureau of the Census, *Census of Housing: 1950,* vol. I; *1960* and *1970,* vol. V; and *Current Housing Reports,* series H-150, Annual Housing Survey, part C.

No. 1326. Characteristics of Conventional First Mortgage Loans for Purchase of Single-Family Homes: 1970 to 1984

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks]

Loan Characteristic	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
New Homes												
Contract interest rate	Percent	8.3	8.8	8.8	8.8	9.3	10.5	12.3	14.1	14.5	12.1	11.9
Initial fees, charges [1]	Percent	1.03	1.53	1.42	1.32	1.39	1.66	2.09	2.66	2.96	2.39	2.66
Term to maturity	Years	25.1	27.0	27.3	27.9	28.0	28.5	28.1	27.7	27.5	26.7	27.8
Loan to price ratio	Percent	71.7	76.2	75.7	76.3	75.2	73.8	73.2	74.8	76.6	77.3	78.6
Purchase price	$1,000	35.5	44.7	49.1	54.4	62.8	74.4	83.2	90.3	94.1	93.9	96.8
Existing Homes												
Contract interest rate	Percent	8.2	9.0	8.9	8.8	9.4	10.6	12.5	14.5	14.8	12.3	12.0
Initial fees, charges [1]	Percent	.92	1.16	1.14	1.17	1.26	1.44	1.91	2.27	2.55	2.40	2.54
Term to maturity	Years	22.8	24.2	24.6	25.8	26.4	27.1	26.9	25.9	24.9	25.9	26.5
Loan to price ratio	Percent	71.1	73.5	73.8	75.1	75.0	74.0	73.5	72.9	71.9	74.3	76.8
Purchase price	$1,000	30.0	39.2	42.0	47.6	54.5	64.8	68.3	68.5	70.7	79.3	82.2

[1] Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, monthly news releases.

No. 1327. Residential Finance—Selected Characteristics of Properties: 1981

[Covers nonfarm, privately owned residential properties. A mortgaged property is defined as all of the buildings and land covered by a single first mortgage. Based on a sample of properties and subject to sampling varability]

Type of Property, Mortgage Insurance Status, and Holder of Mortgage	Number of Properties (1,000)					Outstanding Mortgage Debt (bil. dol.)				
	All properties	Homeowner		Rental and vacant		All properties	Homeowner		Rental and vacant	
		Total	1 unit	Total	1 unit		Total	1 unit	Total	1 unit
All Properties										
Total	**53,663**	**43,986**	**41,209**	**9,677**	**7,198**	(x)	(x)	(x)	(x)	(x)
Nonmortgaged	22,593	17,302	16,092	5,290	4,193	(x)	(x)	(x)	(x)	(x)
Mortgaged	31,070	26,684	25,116	4,386	3,005	966.7	723.7	678.1	243.1	75.8
Mortgaged Properties [1]										
Mortgage insurance status:										
FHA-insured	4,573	4,075	3,891	498	425	123.9	88.0	83.6	35.9	8.8
VA guaranteed	3,943	3,532	3,432	411	371	108.3	97.7	95.0	10.6	9.3
Insured conventional	3,488	3,040	2,812	448	360	128.8	108.7	100.3	20.1	11.9
Other conventional	19,066	16,037	14,981	3,029	1,850	605.8	429.3	399.2	176.5	45.8
Holder of first mortgage:										
Commercial bank	4,800	4,102	3,878	697	516	136.7	110.1	102.8	26.6	11.2
Mutual savings bank	2,953	2,638	2,414	315	190	74.4	53.8	48.9	20.6	3.7
Savings and loan assn	12,817	10,965	10,219	1,852	1,186	387.6	306.2	283.3	81.4	31.8
Life insurance company	1,135	1,039	1,023	96	69	35.9	16.2	15.9	19.7	1.0
Federally-secured pool	2,670	2,454	2,377	216	186	90.4	80.1	77.6	10.3	5.6
Other	6,694	5,484	5,205	1,210	857	241.8	157.4	149.6	84.4	22.7

X Not applicable. [1] Refers to first mortgage.

Source: U.S. Bureau of the Census, *1980 Census of Housing, Vol. 5, Residential Finance.*

No. 1328. One-Family Homes, FHA-Insured Mortgages: 1975 to 1984

[Data for sec. 203(b) of National Housing Act only. For definition of median, see Guide to Tabular Presentation]

Characteristic	Unit	New Homes							Existing Homes						
		1975	1979	1980	1981	1982	1983	1984	1975	1979	1980	1981	1982	1983	1984
Number of mortgages	1,000	35.7	37.0	30.7	23.2	17.5	38.1	36.6	178.9	241.8	198.0	109.6	85.5	328.7	163.3
Avg. purchase transactions:															
Total acquisition cost [1]	$1,000	33.0	50.3	56.0	60.9	62.2	64.2	67.4	26.9	39.4	45.0	47.7	51.1	56.3	54.7
Closing costs	Dollars	672	856	981	1,049	1,144	1,173	1,291	606	846	960	1,054	1,104	1,197	1,244
Market price of site [2]	$1,000	6.4	9.8	11.8	12.4	12.6	12.8	13.5	5.5	8.1	10.1	11.4	11.7	12.8	12.2
Median value and cost:															
Amount of mortgage	$1,000	29.7	45.0	50.1	53.8	54.8	56.4	59.2	24.6	35.4	39.6	41.5	42.4	48.3	47.3
Estimated value	$1,000	32.5	50.4	56.0	60.9	62.5	63.9	66.7	26.2	38.4	44.0	47.0	50.6	56.2	53.3
Annual loan/value ratio [3]	Percent	92.8	93.5	92.6	91.5	91.5	91.7	91.8	94.9	95.1	93.9	93.2	89.4	90.7	94.1
Income of occupant	$1,000	17.1	24.3	27.1	32.2	34.4	33.8	33.5	15.5	21.2	24.7	28.4	32.1	32.2	31.6
Monthly mortgage payment	Dollars	284	469	568	697	766	692	692	245	368	466	545	630	613	573
Average term of mortgage	Years	30.0	29.9	29.9	29.8	29.7	29.0	20.0	29.3	29.5	29.5	29.5	29.1	28.8	28.5
Interest rates [4]	Percent	8.5	10.0	11.5	15.5	15.5	12.5	12.5	8.5	10.0	11.5	15.5	15.5	12.5	12.5

[1] Sales price plus closing costs. [2] Includes street improvements or utilities, rough grading, terracing and retaining walls, if any, for site. [3] Based on 4th quarter data only. [4] Represents maximum rate in effect as of Nov. 1. Sec. 203(b) interest rates deregulated Nov. 30, 1983.

Source: U.S. Dept. of Housing and Urban Development, 1975–1979, *HUD Statistical Yearbook;* thereafter, unpublished data.

No. 1329. Residential Loans Underwritten by FHA: 1970 to 1984

[**In millions of dollars.** Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
FHA-insured loans	**11,982**	**7,941**	**13,000**	**16,098**	**22,848**	**22,301**	**14,976**	**14,105**	**31,651**	**17,749**
Home mortgages: New properties	2,667	1,148	1,664	1,881	3,409	4,071	3,177	2,444	4,209	3,704
Existing properties	5,447	5,017	7,177	9,259	14,758	12,387	7,102	5,643	22,363	10,821
Project type mortgages	3,251	976	2,818	3,270	2,719	4,197	3,024	4,464	3,227	1,867
Property improvement loans [1]	617	799	1,341	1,688	1,962	1,646	1,674	1,554	1,852	1,357

[1] Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook;* thereafter, unpublished data.

No. 1330. Commercial Buildings—Selected Characteristics, by Square Footage of Floorspace: 1983

[Excludes industrial buildings. Excludes Alaska and Hawaii. Building type based on predominant activity in which the occupants were engaged. Based on a sample survey building representatives conducted between March and August 1983; therefore, subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Number of buildings (1,000)	Floorspace (mil. sq. ft.)							Average sq. ft. per building (1,000)	Median sq. ft. per building (1,000)
		Total	Within all buildings having square footage of —							
			5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,00	100,001 and over		
All buildings	**3,948**	**52,325**	**4,908**	**5,246**	**8,912**	**7,692**	**7,168**	**18,399**	**13.3**	**4.0**
Year constructed:										
1900 or before	288	2,940	406	440	767	530	281	(s)	10.2	4.8
1901 to 1920	388	5,453	514	600	1,049	1,010	942	1,337	14.1	5.1
1921 to 1945	726	8,639	855	950	1,663	1,656	949	2,566	11.9	3.8
1946 to 1960	646	9,612	1,187	1,279	1,699	964	1,265	3,219	10.2	3.1
1961 to 1970	721	9,947	881	860	1,417	1,371	1,533	3,885	13.8	3.4
1971 to 1973	209	3,442	249	320	496	654	556	1,168	16.4	5.1
1974 to 1979	530	6,616	688	635	1,298	1,029	848	2,118	12.5	4.1
1980 to 1983	140	5,675	127	163	523	479	794	3,590	40.5	9.9
Principal activity within building:										
Assembly	457	5,483	485	901	1,390	912	621	(s)	12.0	5.9
Educational	177	6,044	113	182	560	1,322	1,619	2,248	34.2	18.1
Food sales/service	380	2,051	636	343	568	209	179	(s)	5.4	2.8
Health care	61	2,277	80	(s)	(s)	(s)	(s)	1,761	37.6	4.7
Lodging	106	2,241	95	166	310	495	318	856	21.1	6.8
Mercantile/services	1,071	10,427	1,433	1,562	2,013	1,065	1,089	(s)	9.7	3.5
Office	575	8,454	749	803	1,236	976	933	3,757	14.7	4.1
Residential	236	2,454	325	265	748	432	(s)	(s)	10.4	4.4
Warehouse	425	6,791	448	446	1,202	1,203	1,198	2,293	16.0	4.8
Other	179	2,760	176	186	405	950	214	1,429	15.4	3.4
Vacant	281	3,342	368	314	410	582	614	1,054	11.9	3.3
Region:										
Northeast	670	11,615	784	939	1,960	1,915	1,754	4,264	17.3	5.7
Midwest	1,211	16,059	1,526	1,685	2,616	2,334	2,146	5,750	13.3	4.0
South	1,493	17,049	1,971	1,685	2,923	2,176	2,199	6,094	11.4	3.3
West	574	7,602	627	937	1,412	1,267	1,068	(s)	13.2	4.7
Number of establishments in building:										
None	142	1,475	218	(s)	137	187	342	300	10.4	3.1
Single establishment	3,160	35,227	4,077	3,870	6,563	5,710	5,031	9,975	11.1	3.6
Multi-establishment	645	15,623	613	1,202	2,212	1,795	1,794	8,007	24.2	7.5
Government occupancy:										
Government occupied	346	10,099	327	378	959	1,356	1,551	5,529	29.2	7.2
Not Government occupied	3,602	42,225	4,580	4,868	7,953	6,336	5,616	12,871	11.7	3.9
Fuels used alone or in combination:										
Electricity	3,783	51,359	4,701	5,079	8,810	7,491	6,973	18,305	13.6	4.1
Natural gas	2,314	37,090	2,732	3,522	6,081	5,484	4,930	14,342	16.0	5.0
Fuel oil	633	13,313	743	886	1,656	1,425	1,509	7,093	21.0	5.1
Propane	260	3,007	380	285	515	328	209	1,290	11.6	3.5
Purchased steam	60	4,594	(s)	(s)	235	448	645	3,173	76.2	29.2
Other	245	3,997	345	260	497	337	535	2,024	16.3	3.6

S Figure does not meet publication standards.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983.*

No. 1331. Commercial Buildings and Workers—Selected Building Characteristics, by Floorspace: 1983

[See headnote, table 1330]

Building characteristics	Number of buildings (1,000)							Workers		
	Total	Square footage of—						Number (1,000)	Average sq. ft. per worker	Median sq. ft. per worker
		5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over			
All buildings	**3,948**	**2,248**	**725**	**567**	**222**	**107**	**79**	**77,673**	**674**	**714**
Principal activity within building:										
Assembly	457	209	122	86	27	9	4	5,998	914	1,087
Educational	177	45	24	33	37	24	14	6,131	986	971
Food sales/service	380	287	49	35	6	3	(s)	5,670	362	380
Health care	61	31	(s)	(s)	(s)	(s)	7	5,512	413	397
Lodging	106	42	23	19	14	5	3	2,373	944	1,176
Mercantile/services	1,071	666	217	131	30	17	10	13,914	749	735
Office	575	328	109	81	27	14	15	26,174	323	364
Residential	236	131	37	48	13	(s)	(s)	1,371	1,790	1,295
Warehouse	425	221	64	75	36	18	11	5,386	1,261	1,253
Other	179	111	24	25	10	3	5	3,524	762	604
Vacant	281	177	43	29	17	9	5	1,520	2,199	(x)
Region:										
Northeast	670	306	131	130	58	27	18	16,633	698	849
Midwest	1,211	688	234	163	68	31	27	22,659	709	731
South	1,493	955	236	185	60	32	24	26,347	647	677
West	574	299	124	89	37	17	9	12,034	632	604
Government occupancy:										
Government occupied	346	153	51	61	39	23	19	17,149	589	544
Non-government occupied	3,602	2,095	674	507	183	84	59	60,524	698	731

S Figure does not meet publication standards.

No. 1332. Commercial Buildings—Number and Square Footage of Floorspace, by Type of Building and Characteristic: 1983

Building characteristics	All buildings	Assembly	Educational	Food sales/service	Health care	Lodging	Mercantile/services	Office	Residential	Warehouse	Other
NUMBER (1,000)											
All buildings	**3,948**	**457**	**177**	**380**	**61**	**106**	**1,071**	**575**	**236**	**425**	**460**
Year constructed:											
1900 or before	288	51	(s)	24	(s)	(s)	71	35	54	20	22
1901 to 1920	388	66	11	43	(s)	(s)	95	41	45	41	31
1921 to 1945	726	69	24	55	8	15	194	107	69	80	104
1946 to 1960	946	102	58	78	19	35	311	97	38	98	110
1961 to 1970	721	87	45	76	10	27	187	121	(s)	81	72
1971 to 1973	209	19	6	23	(s)	12	52	45	(s)	22	-
1974 to 1979	530	50	20	70	12	7	139	100	(s)	65	57
1980 to 1983	140	14	10	12	3	3	21	28	(s)	18	30
Region:											
Northeast	670	61	28	58	11	13	183	97	97	57	66
Midwest	1,211	149	39	120	21	12	353	176	78	131	130
South	1,493	202	79	145	20	57	383	191	44	170	201
West	574	45	31	57	(s)	24	151	112	16	68	63
Government occupancy:											
Government occupied	346	46	57	(s)	13	(s)	32	79	(s)	20	83
Non-government occupied	3,602	411	120	372	47	101	1,039	496	233	405	376
FLOORSPACE (mil. sq. ft.)											
All buildings	**52,325**	**5,483**	**6,044**	**2,051**	**2,277**	**2,241**	**10,427**	**8,454**	**2,454**	**6,791**	**6,102**
Year constructed:											
1900 or before	2,940	373	(s)	129	(s)	(s)	488	429	609	315	263
1901 to 1920	5,453	791	435	249	(s)	(s)	882	715	517	915	394
1921 to 1945	8,639	799	1,084	206	215	523	1,345	1,388	721	1,096	1,263
1946 to 1960	9,612	1,142	1,623	368	751	301	2,120	966	278	1,348	716
1961 to 1970	9,947	896	1,494	390	346	647	1,979	1,773	(s)	1,406	832
1971 to 1973	3,442	318	357	163	(s)	255	736	625	(s)	363	-
1974 to 1979	6,616	654	674	376	505	213	1,485	1,370	(s)	797	509
1980 to 1983	5,675	(s)	274	171	130	154	(s)	1,189	(s)	552	1,255
Region:											
Northeast	11,615	1,053	1,374	392	502	422	2,040	1,774	1,336	1,224	1,498
Midwest	16,059	1,755	1,834	724	1,015	669	3,219	2,178	717	2,130	1,818
South	17,049	1,835	2,082	616	567	803	3,843	2,903	299	2,286	1,813
West	7,602	(s)	754	320	193	346	1,325	1,599	103	1,149	973
Government occupancy:											
Government occupied	10,099	651	2,625	(s)	552	258	(s)	2,197	(s)	373	1,682
Non-government occupied	42,225	4,831	3,419	1,913	1,725	1,983	8,859	6,257	2,400	6,418	4,420

- Represents zero. S Figure does not meet publication standards.

Source of tables 1331 and 1332: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983.*

1986

Section 29

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.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five 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, 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 SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also Section 18, 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 employee or more.

The Annual Survey of Manufactures, 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 most recent, 1981, annual survey is based on a sample of about 56,000 establishments of an approximate total of 225,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

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 1977 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, p. 388). 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 1972 edition of the *Manual* was used for the 1972 and 1977 censuses; and the 1972 edition of the *Manual* and the *1977 Supplement* was used for the 1982 census while the 1967 *Manual* was used for the 1967 census. 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. For the 1967 and 1972 censuses, reports were required only from establishments with 10 or more employees and establishments operated by multi-establishment companies. Data for single unit companies with less than 10 employees were estimated on the

basis of government administrative records and industry averages. In the 1982 Census, data were based on administrative records for all establishments with fewer than 5 employees; and, depending on the industry, for those with fewer than 20. Each of the establishments tabulated was classified in one of the approximately 450 manufacturing industries as defined by the *SIC Manual* in 1972, 1977, and 1982. 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 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with 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.

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 I.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986.* For cross-references, see Appendix VI.

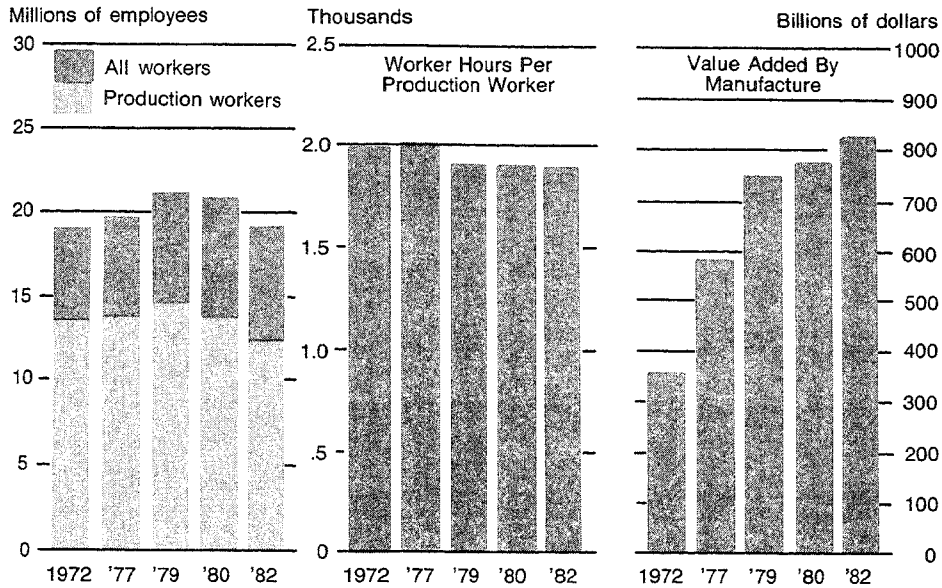
No. 1333. National Income Originating in Manufacturing: 1963 to 1984

[**In billions of dollars, except percent.** For definition of national income, see text, p. 427. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970,* series F 230, for single-year figures prior to revisions issued in 1981]

ITEM	1963	1967	1972	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total manufacturing	**144**	**194**	**252**	**318**	**367**	**413**	**465**	**509**	**527**	**581**	**550**	**580**	**656**
Percent of national income	29	29	26	25	26	26	26	25	24	24	22	22	22
Durable goods	**86**	**119**	**154**	**186**	**217**	**250**	**286**	**311**	**312**	**340**	**311**	**330**	**387**
Percent of total	60	61	61	58	59	60	61	61	59	59	57	57	59
Machinery, except electrical	14	22	28	37	42	49	56	64	68	75	69	64	76
Electric and electronic equipment	12	18	23	27	31	36	41	45	50	54	54	57	68
Fabricated metal products	10	15	19	24	28	32	36	40	41	43	40	41	48
Other transportation equipment	10	14	13	16	18	20	23	26	29	31	32	32	37
Primary metal industries	11	14	18	24	26	28	34	38	38	41	28	29	34
Motor vehicles and equipment	11	13	20	19	27	33	35	32	22	27	25	34	42
Instruments and related products	4	6	7	9	11	12	14	15	17	20	21	22	24
Stone, clay, and glass products	5	6	9	10	12	13	16	17	16	16	14	17	19
Lumber and wood products	4	5	8	8	11	13	16	17	15	14	12	15	18
Miscellaneous manufacturing industries	3	3	5	5	6	7	7	8	8	10	9	9	10
Furniture and fixtures	2	3	4	5	5	6	7	8	8	8	8	9	11
Nondurable goods	**57**	**75**	**98**	**132**	**150**	**163**	**179**	**198**	**215**	**241**	**238**	**250**	**269**
Food and kindred products	14	16	20	31	31	34	35	38	41	46	46	47	50
Chemicals and allied products	10	13	18	25	29	31	33	35	37	42	42	45	49
Petroleum and coal products	4	6	7	15	19	19	21	28	36	43	40	37	36
Printing and publishing	7	10	14	17	19	21	24	26	28	31	33	37	41
Paper and allied products	5	7	9	12	14	15	17	19	20	21	20	23	26
Rubber and miscellaneous plastic products	4	5	8	9	10	12	14	15	15	17	17	19	21
Apparel and other textile products	6	7	10	11	12	14	15	15	16	18	17	19	20
Textile mill products	5	6	8	9	11	12	13	14	13	14	13	15	16
Tobacco manufactures	1	1	2	2	3	3	3	4	4	4	5	5	6
Leather and leather products	2	2	2	2	3	3	3	3	4	4	4	4	4

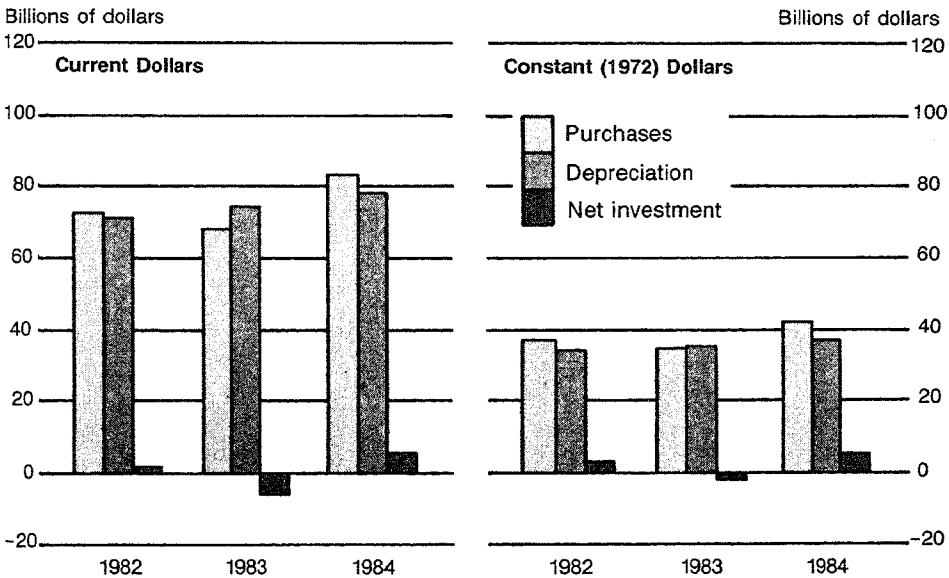
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76,* and *Survey of Current Business,* July issues and unpublished data.

Figure 29.1
Manufactures—Summary: 1972 to 1982



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1334.

Figure 29.2
Capital in Manufacturing Establishments: 1982 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1338.

No. 1334. Manufactures—Summary: 1954 to 1983

[1954 excludes Alaska and Hawaii. Census data, except as noted. For establishment coverage, see text, p. 742. Data based on Census of Manufactures. For composition of regions, see fig. 1 inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series P 1–12]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1980 [1]	1981 [1]	1982	1983
ALL ESTABLISHMENTS											
Number of establishments [2]	1,000	[3] 287	303	312	311	321	360	(NA)	(NA)	358	(NA)
With 20 or more employees	1,000	[3] 90	95	102	110	114	119	(NA)	(NA)	123	(NA)
Form of organization:											
Corporate	1,000	148.5	162.7	176.2	153.9	233.2	284.2	(NA)	(NA)	283.2	(NA)
Noncorporate, total [4]	1,000	138.4	135.4	130.4	33.2	87.5	75.7	(NA)	(NA)	74.0	(NA)
Individual proprietorship	1,000	88.2	91.3	99.2	24.9	42.5	52.3	(NA)	(NA)	45.6	(NA)
Partnership	1,000	47.9	42.0	27.7	6.7	17.7	18.3	(NA)	(NA)	15.0	(NA)
Region:											
Northeast	Percent	(NA)	(NA)	29.8	29.1	26.3	23.7	24.2	(NA)	23.7	(NA)
Midwest	Percent	(NA)	(NA)	35.4	35.0	34.9	34.4	31.1	(NA)	29.8	(NA)
South	Percent	(NA)	(NA)	21.5	22.7	25.5	27.4	28.5	(NA)	29.5	(NA)
West	Percent	(NA)	(NA)	13.3	13.0	13.4	14.5	16.2	(NA)	17.0	(NA)
All employees, [5] **annual average** [6]	**Million**	**16.1**	**16.0**	**17.0**	**19.3**	**19.0**	**19.6**	**20.6**	**20.3**	**19.1**	**18.7**
Payroll, all employees	Bil. dol.	66	78	100	132	174	264	350	379	380	395
Payroll per employee	$1,000	4.1	4.9	5.9	6.8	9.2	13.5	17.0	18.7	19.9	21.1
Production workers, annual average	Million	12.4	11.7	12.2	14.0	13.5	13.7	13.9	13.5	12.4	12.2
Percent of all employees	Percent	77.0	73.1	71.8	72.2	71.1	69.9	67.3	66.8	64.9	65.2
Hours, production workers	Billion	24.3	22.7	24.5	27.8	26.7	26.7	26.7	26.2	23.5	23.6
Hours per worker	1,000	2.0	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
Wages, production workers	Bil. dol.	45	50	62	81	106	157	198	212	205	212
Percent of payroll for all employees	Percent	68.2	64.1	62.0	61.6	60.6	59.5	56.6	56.0	53.9	53.8
Wages per worker	$1,000	3.6	4.3	5.1	5.8	7.8	11.5	14.3	15.7	16.5	17.4
Wages per worker hour	Dollar	1.83	2.19	2.53	2.92	3.95	5.89	7.41	8.09	8.70	8.99
Value added by manufacture [7]	**Bil. dol.**	**117**	**142**	**192**	**262**	**354**	**585**	**774**	**838**	**824**	**882**
Per production worker	$1,000	9.5	12.1	15.7	18.8	26.2	42.7	55.7	61.8	66.5	72.4
Per production worker hour	Dollar	4.81	6.25	7.83	9.41	13.26	21.93	28.98	31.98	35.01	37.38
Per dollar of workers' wages	Dollar	2.60	2.84	2.90	3.22	3.36	3.72	3.91	3.95	4.02	4.16
Cost of materials	Bil. dol.	(NA)	(NA)	230	299	407	782	1,094	1,194	1,130	1,170
Value of shipments [8]	Bil. dol.	(NA)	(NA)	421	557	757	1,359	1,853	2,018	1,960	2,055
Per production worker	$1,000	(NA)	(NA)	34.4	39.9	55.9	99.2	133.3	149.0	158.1	168.6
End-of-year inventories	Bil. dol.	40	49	60	84	108	188	262	279	(NA)	308
Capital expenditures, new [9]	Bil. dol.	8.2	9.5	11.4	21.5	24.1	47.5	70.1	78.6	75.0	61.9
Ratios:											
Value added to shipments	Ratio	(NA)	(NA)	45.6	47.0	46.7	42.9	41.8	41.5	(NA)	(NA)
Inventories to shipments	Ratio	(NA)	(NA)	14.2	15.0	14.2	13.8	14.1	13.8	(NA)	(NA)
Payroll to value added	Ratio	56.4	54.9	52.0	50.3	49.1	45.2	45.3	45.2	(NA)	(NA)
Gross book value of depreciable assets	Bil. dol.	(NA)	(NA)	158	218	301	439	574	630	(NA)	(NA)
Machinery and equipment	Bil. dol.	(NA)	(NA)	(NA)	157	218	328	434	479	(NA)	(NA)
Assets per employee	$1,000	(NA)	(NA)	9.3	11.3	16.4	22.4	27.8	31.1	(NA)	(NA)
MULTIUNIT COMPANIES											
Establishments	1,000	31.8	41.9	45.9	51.7	70.2	81.2	(NA)	(NA)	81.7	(NA)
Employees	Million	9.5	10.1	11.0	13.3	14.3	15.0	(NA)	(NA)	14.3	(NA)
Production workers	Million	7.4	7.2	8.1	9.8	9.8	10.1	(NA)	(NA)	8.8	(NA)
Payroll, all employees	Bil. dol.	40.6	51.8	68.2	93.8	138.8	214.2	(NA)	(NA)	307.5	(NA)
Wages, production workers	Bil. dol.	29.0	33.5	44.7	60.9	81.9	124.9	(NA)	(NA)	159.1	(NA)
Value added by manufacture	Bil. dol.	79.6	105.3	146.6	206.4	286.1	485.0	(NA)	(NA)	678.4	(NA)
Capital expenditures, new	Bil. dol.	6.5	7.5	8.9	18.6	20.0	41.0	(NA)	(NA)	65.2	(NA)
SINGLE UNIT COMPANIES [10]											
Establishments	1,000	255.0	256.3	260.8	254.0	250.5	278.7	(NA)	(NA)	276.3	(NA)
Employees	Million	6.2	5.3	5.2	5.2	4.8	4.6	(NA)	(NA)	4.8	(NA)
Payroll, all employees	Bil. dol.	22.3	21.9	25.1	28.5	35.4	49.8	(NA)	(NA)	72.1	(NA)
Value added by manufacture	Bil. dol.	37.4	37.9	45.5	55.5	67.9	100.1	(NA)	(NA)	145.7	(NA)

NA Not available. [1] Estimated data based on *Annual Survey of Manufactures;* see text, p. 741. [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 for most industries in 1954 and for all industries since 1954 are based on pay periods ending nearest 15th of March, May, August, and November. For industries of a seasonal type in 1954, data represent average of 12 monthly figures. [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, 1954, 1958, 1963, 1967, 1972, 1977,* and *1982;* and *Annual Survey of Manufactures.*

No. 1335. Manufactures—Summary by Industry Group: 1977 and 1982

[Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of Management and Budget; see text, p. 741. See also *Historical Statistics, Colonial Times to 1970*, series P-58-67]

Industry code [1]	Industry group	1977				1982										
		Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Establishments		All employees		Production workers			Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	Inventories, end of year (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)		Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Hours (mil.)	Wages (mil. dol.)				
(x)	**All manufacturing establishments, incl. central administrative offices**	359,928	19,590	264,013	585,166	358,061	123,163	19,094	379,627	12,401	23,538	204,787	824,118	1,960,206	74,562	306,137
20	**Food and kindred products**	26,656	1,520	18,544	56,062	22,130	10,681	1,488	26,088	1,047	2,033	16,440	88,419	280,529	6,727	23,564
201	Meat products	4,534	309	3,702	7,478	3,623	1,682	318	4,993	265	518	3,857	11,002	67,602	697	1,965
202	Dairy products	3,731	154	1,939	5,648	2,724	1,449	140	2,553	83	167	1,420	8,360	38,771	711	1,721
203	Preserved fruits and vegetables	2,379	235	2,336	7,685	2,093	1,229	220	3,315	182	343	2,472	12,353	29,874	934	6,147
204	Grain mill products	3,043	113	1,576	6,626	2,745	1,063	108	2,197	75	153	1,442	10,333	31,386	884	2,203
205	Bakery products	3,386	222	2,866	7,073	2,663	1,261	217	4,051	124	241	2,085	10,650	17,808	490	564
206	Sugar and confectionery products	1,198	105	1,206	4,151	1,033	506	96	1,661	77	150	1,197	6,234	15,576	470	2,526
207	Fats and oils	869	41	561	1,905	724	432	39	774	27	58	494	2,785	16,752	393	1,594
208	Beverages	3,104	195	2,849	9,901	2,584	1,501	194	4,244	95	190	2,001	16,684	38,801	1,628	4,430
209	Misc. foods and kindred products	4,412	146	1,509	5,596	3,941	1,558	158	2,300	119	214	1,472	10,017	23,959	520	2,415
21	**Tobacco products**	228	61	751	4,334	163	107	58	1,324	45	84	957	8,965	16,061	697	6,110
211	Cigarettes	14	39	568	3,803	14	13	42	1,094	32	59	801	8,098	12,127	571	4,606
212	Cigars	101	8	55	126	60	30	5	59	5	9	45	133	254	7	49
213	Chewing and smoking tobacco	35	3	32	189	29	18	3	52	2	4	37	421	665	8	144
214	Tobacco stemming and redrying	78	11	96	217	60	46	8	120	6	12	73	313	3,015	111	1,311
22	**Textile mill products**	7,202	876	7,881	16,105	6,630	3,663	717	9,046	616	1,159	6,936	18,550	47,515	1,579	6,551
221	Weaving mills, cotton	314	117	1,047	1,945	269	143	77	965	69	127	818	1,638	3,972	298	699
222	Weaving mills, manmade fiber	449	151	1,429	2,791	523	363	141	1,815	123	231	1,447	3,489	8,191	385	1,142
223	Weaving, finishing mills, wool	165	15	137	313	131	71	13	176	11	23	137	349	763	28	151
224	Narrow fabric mills	335	21	172	351	281	161	18	216	15	29	159	465	852	22	137
225	Knitting mills	2,617	236	1,911	3,863	2,334	1,302	205	2,327	175	324	1,753	4,985	10,986	235	1,525
226	Textile finishing, except wool	678	72	734	1,417	753	353	58	834	47	94	607	1,590	4,972	118	552
227	Floor covering mills	592	56	557	1,530	505	243	42	603	33	65	396	1,712	5,808	84	799
228	Yarn and thread mills	798	141	1,184	2,255	714	531	109	1,278	98	183	1,055	2,318	7,036	231	791
229	Misc. textile goods	1,254	68	706	1,641	1,120	496	56	833	44	85	565	2,005	4,935	178	755
23	**Apparel, other textile products**	26,505	1,334	9,659	19,671	24,391	10,907	1,189	12,129	1,010	1,804	8,832	26,061	53,388	654	7,183
231	Men's and boys' suits and coats	737	99	822	1,574	529	344	75	878	65	117	659	1,683	3,062	25	578
232	Men's and boys' furnishings	3,013	365	2,340	4,935	2,544	1,815	299	2,837	259	450	2,138	6,621	12,727	157	1,808
233	Women's and misses' outerwear	11,834	448	3,153	6,430	10,838	5,103	419	4,110	356	641	2,928	8,576	18,225	213	1,805
234	Women's, children's undergarments	878	92	613	1,250	755	519	82	783	69	124	567	1,722	3,323	38	549

See footnotes at end of table.

No. 1335. Manufactures—Summary by Industry Group: 1977 and 1982—Continued

[See headnote, p. 745.]

Industry code [1]	INDUSTRY GROUP	1977				1982, prel.										
		Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Establishments		All employees		Production workers			Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	Inventories, end of year (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)		Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Hours (mil.)	Wages (mil. dol.)				
	Apparel, other textile products—Con.															
235	Hats, caps, and millinery	409	15	105	186	419	172	16	157	14	24	118	285	522	8	130
236	Children's outerwear	1,002	71	459	879	968	657	71	671	61	109	492	1,446	2,771	30	355
237	Fur goods	620	4	52	113	504	43	3	60	3	5	41	132	419	(z)	75
238	Misc. apparel and accessories	1,284	56	408	845	1,223	527	50	513	42	74	358	1,098	2,118	25	331
239	Misc. fabricated textile products	6,728	185	1,707	3,459	6,611	1,727	174	2,120	142	261	1,531	4,498	10,281	158	1,553
24	**Lumber and wood products**	**37,302**	**692**	**7,425**	**16,223**	**32,984**	**6,313**	**576**	**8,445**	**479**	**894**	**6,446**	**15,377**	**42,935**	**1,342**	**5,719**
241	Logging camps, log contractors	15,469	83	1,009	2,419	11,658	657	81	1,208	69	121	1,004	2,502	8,274	249	747
242	Sawmills and planing mills	9,000	211	2,228	4,975	7,403	1,909	158	2,306	137	257	1,877	3,748	11,132	436	1,935
243	Millwork, plywood, and structural members	6,149	197	2,216	4,701	6,545	1,733	165	2,596	135	261	1,960	4,460	11,683	262	1,575
244	Wood containers	1,949	39	300	540	2,250	524	36	391	30	55	287	703	1,635	40	191
245	Wood buildings and mobile homes	1,165	80	858	1,789	1,163	612	60	880	46	85	574	1,741	4,955	65	370
249	Misc. wood products	3,570	83	813	1,800	3,965	878	77	1,064	63	115	745	2,223	5,255	291	901
25	**Furniture and fixtures**	**10,235**	**464**	**4,448**	**8,922**	**10,003**	**3,629**	**436**	**6,084**	**351**	**651**	**4,189**	**12,829**	**24,129**	**566**	**3,997**
251	Household furniture	6,161	310	2,669	5,213	5,475	2,076	263	3,162	221	403	2,310	6,455	12,776	246	2,165
252	Office furniture	523	45	543	1,236	700	337	59	1,051	44	85	678	2,477	4,150	147	626
253	Public building, related furniture	420	20	214	415	413	181	19	295	14	26	176	579	1,103	25	204
254	Partitions and fixtures	2,134	57	675	1,311	2,148	687	60	1,025	45	86	674	2,080	3,710	87	592
259	Misc. furniture and fixtures	997	32	347	747	1,267	348	36	551	27	51	352	1,239	2,390	61	411
26	**Paper and allied products**	**6,545**	**629**	**8,943**	**22,171**	**6,381**	**4,090**	**606**	**12,948**	**461**	**923**	**9,040**	**33,376**	**79,895**	**5,098**	**8,923**
261	Pulpmills	45	16	293	906	43	41	17	468	13	25	344	1,114	3,110	659	452
262	Papermills, except building paper	339	127	2,167	5,407	299	281	129	3,431	100	208	2,564	8,954	20,995	1,856	2,247
263	Paperboard mills	249	68	1,176	3,081	222	212	56	1,502	43	89	1,118	3,740	9,531	1,287	760
264	Misc. converted paper products	2,994	207	2,608	7,263	3,006	1,597	213	3,961	162	319	2,666	12,014	26,701	786	3,071
265	Paperboard containers and boxes	2,860	204	2,602	5,296	2,781	1,936	188	3,517	141	276	2,294	7,396	19,192	496	2,349
266	Building paper and board mills	58	7	97	218	30	23	4	71	3	6	55	158	366	15	45
27	**Printing and publishing**	**49,767**	**1,092**	**14,025**	**31,980**	**53,406**	**10,871**	**1,292**	**22,707**	**711**	**1,313**	**11,307**	**54,423**	**85,797**	**3,213**	**7,040**
271	Newspapers	8,867	350	4,306	9,519	8,846	2,554	402	6,555	147	259	2,387	15,275	21,276	1,029	755
272	Periodicals	2,994	70	1,020	3,763	3,328	690	94	1,986	17	32	243	6,911	11,478	195	724
273	Books	2,694	106	1,379	4,291	2,811	727	112	2,090	50	96	780	6,721	10,132	273	1,624
274	Misc. publishing	2,352	42	503	1,291	2,057	430	45	706	18	29	206	1,958	2,871	67	244
275	Commercial printing	26,815	356	4,702	8,551	29,735	4,551	452	8,087	339	636	5,500	15,738	27,700	1,266	2,374
276	Manifold business forms	795	45	575	1,492	810	530	50	934	36	71	634	2,491	5,059	135	572
277	Greeting card publishing	166	18	227	656	154	54	21	344	12	20	155	1,349	1,894	37	221
278	Blankbooks and bookbinding	1,492	56	579	1,149	1,487	631	61	903	50	93	636	1,964	2,803	78	306
279	Printing trades services	3,592	48	735	1,268	4,178	704	56	1,102	42	78	767	2,017	2,584	133	221

28	**Chemicals and allied products**	**12,173**	**880**	**13,839**	**56,721**	**11,901**	**4,779**	**873**	**20,836**	**508**	**1,004**	**10,544**	**77,315**	**170,737**	**9,087**	**23,830**
281	Industrial inorganic chemicals	1,282	110	1,847	6,487	1,365	520	108	2,795	62	124	1,462	8,829	17,280	1,000	2,349
282	Plastics materials, synthetics	551	157	2,471	7,843	606	409	141	3,451	94	183	2,052	9,402	28,428	1,677	3,644
283	Drugs	1,243	156	2,460	9,940	1,281	593	166	3,966	84	163	1,556	16,981	24,695	1,248	3,805
284	Soap, cleaners, toilet goods	2,528	112	1,526	9,407	2,379	804	127	2,581	75	148	1,291	15,282	26,031	650	2,919
285	Paints and allied products	1,579	61	883	2,821	1,441	620	54	1,158	28	54	481	3,953	9,162	219	1,232
286	Industrial organic chemicals	879	153	2,794	12,875	969	550	144	4,005	84	171	2,169	12,341	38,157	3,075	6,045
287	Agricultural chemicals	1,325	54	784	3,808	1,127	417	51	1,156	32	64	644	5,097	14,653	699	2,222
289	Misc. chemical products	2,786	77	1,075	3,539	2,733	866	82	1,725	49	97	889	5,433	12,330	519	1,614
29	**Petroleum and coal products**	**2,206**	**147**	**2,716**	**16,378**	**2,322**	**848**	**152**	**4,339**	**100**	**205**	**2,613**	**22,069**	**208,919**	**6,579**	**17,180**
291	Petroleum refining	349	103	2,055	14,424	433	311	108	3,398	71	148	2,057	19,247	199,357	6,322	16,204
295	Paving and roofing materials	1,297	32	481	1,272	1,307	357	30	629	22	43	424	1,743	5,948	133	419
299	Misc. petroleum and coal products	560	12	180	682	582	180	14	312	7	14	131	1,079	3,614	123	557
	Rubber and miscellaneous plastics products	**11,943**	**721**	**8,536**	**19,740**	**13,449**	**5,978**	**682**	**11,597**	**523**	**996**	**7,691**	**27,619**	**55,416**	**2,199**	**7,201**
301	Tires and inner tubes	200	114	1,832	4,347	164	99	70	1,734	55	101	1,286	4,660	9,340	227	1,173
302	Rubber, plastics footwear	84	20	159	272	65	40	18	197	15	28	149	360	706	12	114
303	Reclaimed rubber	21	1	12	25	25	8	1	11	1	1	8	23	45	(z)	9
304	Rubber and plastics hose, belting	146	34	457	974	162	117	25	503	18	32	330	1,028	1,946	114	407
306	Fabricated rubber products, n.e.c.	1,280	99	1,164	2,352	1,380	686	89	1,561	66	129	991	3,213	6,366	219	859
307	Misc. plastics products	10,212	454	4,912	11,770	11,653	5,028	479	7,591	368	705	4,927	17,935	37,013	1,626	4,639
31	**Leather and leather products**	**3,075**	**243**	**1,860**	**3,719**	**2,735**	**1,313**	**200**	**2,219**	**171**	**304**	**1,623**	**4,773**	**9,719**	**132**	**1,521**
311	Leather tanning and finishing	465	23	255	535	384	172	20	311	16	31	225	580	1,753	33	267
313	Boot, shoe cut stock, findings	190	9	65	109	161	80	7	81	6	10	54	155	368	6	49
314	Footwear, except rubber	811	146	1,032	2,070	751	536	121	1,250	107	187	974	2,809	5,269	66	790
315	Leather gloves and mittens	101	6	34	68	96	54	4	97	3	6	27	73	178	(z)	33
316	Luggage	298	19	164	328	292	131	16	194	13	21	113	433	789	12	151
317	Handbags and other personal leather goods	678	32	242	472	636	235	25	271	21	39	178	564	1,035	9	174
319	Leather goods, n.e.c.	532	9	68	137	415	105	7	76	6	10	53	160	327	6	58

See footnotes at end of table.

No. 1335. Manufactures—Summary by Industry Group: 1977 and 1982—Continued

[See headnote, p. 745]

Industry code [1]	INDUSTRY GROUP	1977				1982										
		Establishments (number)	All employees		Value added by manufacture [3] (mil. dol.)	Establishments		All employees		Production workers			Value added by manufacture [3] (mil. dol.)	Value of shipments (mil. dol.)	Capital expenditures, new [4] (mil. dol.)	Inventories, end of year (mil. dol.)
			Number [2] (1,000)	Payroll (mil. dol.)		Total	With 20 or more employees	Number [2] (1,000)	Payroll (mil. dol.)	Number [2] (1,000)	Hours (mil.)	Wages (mil. dol.)				
32	**Stone, clay, and glass products**	**17,744**	**614**	**7,943**	**19,130**	**16,545**	**4,753**	**532**	**10,097**	**408**	**796**	**7,164**	**22,986**	**45,181**	**2,309**	**6,710**
321	Flat glass	62	22	401	931	69	33	15	414	12	25	322	847	1,666	98	287
322	Glass, pressed or blown	508	117	1,548	3,592	459	229	97	2,032	81	158	1,627	4,482	7,941	531	1,374
323	Products of purchased glass	1,101	36	429	960	1,337	387	41	696	32	61	467	1,484	2,977	119	476
324	Cement, hydraulic	201	28	485	1,672	237	160	25	636	19	37	474	1,816	3,542	422	800
325	Structural clay products	711	45	486	1,058	628	371	30	491	23	46	347	989	1,868	57	521
326	Pottery and related products	934	43	460	894	910	238	37	598	31	57	442	1,174	1,762	80	322
327	Concrete, gypsum, plaster products	10,844	184	2,367	5,391	9,933	2,362	167	2,995	123	245	2,007	6,603	14,947	569	1,152
328	Cut stone and stone products	993	13	132	238	711	132	11	156	9	17	119	295	555	24	70
329	Misc. nonmetallic mineral products	2,390	126	1,635	4,395	2,261	841	109	2,079	79	153	1,360	5,296	9,924	410	1,708
33	**Primary metal industries**	**7,375**	**1,114**	**18,745**	**37,568**	**7,061**	**3,909**	**854**	**20,603**	**638**	**1,167**	**14,466**	**33,291**	**104,667**	**4,666**	**23,858**
331	Blast furnace and basic steel products	1,216	530	10,086	18,318	1,068	708	366	10,262	267	471	7,272	14,722	46,720	2,425	12,502
332	Iron and steel foundries	1,465	222	3,329	6,237	1,438	1,002	157	3,113	124	222	2,248	5,362	9,642	483	1,251
333	Primary nonferrous metals	160	57	1,032	3,619	161	94	44	1,307	32	62	928	2,311	11,321	413	2,476
334	Secondary nonferrous metals	460	19	270	769	458	212	19	402	14	26	246	620	4,852	146	842
335	Nonferrous rolling and drawing	1,002	177	2,640	5,902	1,022	735	167	3,636	122	233	2,450	6,822	25,463	933	5,830
336	Nonferrous foundries	1,892	82	1,044	1,960	1,907	785	75	1,385	61	114	1,003	2,458	4,603	172	489
339	Misc. primary metal products	1,180	26	345	763	1,007	368	26	498	19	37	318	998	2,066	94	468
34	**Fabricated metal products**	**33,712**	**1,556**	**21,036**	**45,512**	**35,560**	**13,642**	**1,460**	**28,283**	**1,073**	**2,070**	**18,456**	**58,928**	**119,444**	**3,686**	**21,138**
341	Metal cans, shipping containers	587	72	1,247	3,644	566	403	59	1,533	48	96	1,203	4,443	12,172	270	1,504
342	Cutlery, handtools, hardware	2,137	169	2,179	5,177	2,238	939	141	2,585	106	200	1,723	6,041	10,082	336	2,086
343	Plumbing and heating, exc. electric	1,015	53	637	1,574	1,177	398	48	821	34	64	499	2,023	4,003	97	795
344	Fabricated structural metal products	11,817	426	5,492	11,785	12,681	4,669	422	7,897	300	587	4,956	15,466	34,904	752	5,847
345	Screw machine products, bolts, etc	2,627	105	1,414	2,864	2,690	1,093	94	1,727	71	134	1,148	3,309	5,834	187	1,242
346	Metal forgings, stampings	3,715	288	4,511	8,913	4,019	1,892	236	5,110	184	354	3,645	9,710	20,057	945	2,882
347	Metal services, n.e.c	5,095	94	1,009	1,963	5,070	1,405	97	1,518	77	152	1,036	2,897	5,125	200	518
348	Ordnance and accessories, n.e.c	346	70	992	1,737	349	155	79	1,760	51	95	941	3,442	4,993	138	887
349	Misc. fabricated metal products	6,373	279	3,556	7,855	6,770	2,688	284	5,312	202	388	3,306	11,598	22,274	761	5,378
35	**Machinery, exc. electrical**	**48,200**	**2,083**	**30,558**	**67,223**	**52,912**	**14,264**	**2,189**	**46,911**	**1,358**	**2,597**	**25,093**	**102,270**	**187,896**	**8,537**	**47,181**
351	Engines and turbines	315	130	2,238	4,960	341	208	112	2,850	71	133	1,654	6,069	13,040	728	3,278
352	Farm and garden machinery	2,159	151	2,197	5,490	2,078	704	114	2,386	75	138	1,405	6,146	13,108	392	2,772
353	Construction and related machinery	3,229	333	5,097	11,836	3,952	1,865	326	7,392	198	365	3,976	16,453	32,038	1,578	11,894
354	Metalworking machinery	10,630	298	4,514	8,747	10,981	2,642	283	6,086	197	383	3,863	11,285	18,150	713	4,396
355	Special industry machinery	4,090	185	2,616	5,271	4,226	1,641	183	3,748	108	211	1,954	7,415	13,128	393	3,497
356	General industrial machinery	4,947	314	4,451	9,673	4,981	2,039	314	6,493	197	376	3,642	13,587	24,459	904	6,374
357	Office and computing machines	1,317	259	3,949	9,921	2,169	1,073	404	9,437	174	337	2,882	23,386	43,028	2,648	9,978
358	Refrigeration, service machinery	2,114	192	2,516	5,963	1,937	899	172	3,344	116	219	2,024	8,121	16,450	415	2,998
359	Misc. machinery, except electrical	19,399	223	2,980	5,362	22,247	3,193	282	5,235	221	436	3,694	9,806	14,497	767	1,995

36	**Electric and electronic equipment**	**14,973**	**1,723**	**22,544**	**50,366**	**16,453**	**7,834**	**1,915**	**38,414**	**1,198**	**2,269**	**19,281**	**84,605**	**147,944**	**7,542**	**30,004**
361	Electric distributing equipment	947	115	1,431	3,336	942	498	105	1,995	73	135	1,179	4,584	8,108	220	1,594
362	Electrical industrial apparatus	1,646	198	2,543	5,614	1,980	1,019	191	3,706	125	236	2,067	7,919	13,825	680	3,342
363	Household appliances	666	162	1,898	5,276	630	335	129	2,223	98	180	1,530	5,776	12,644	305	2,299
364	Electric lighting and wiring equipment	2,009	165	1,925	4,741	1,993	980	159	2,718	117	218	1,739	6,619	12,048	340	2,151
365	Radio and TV receiving equipment	1,290	98	1,097	3,078	1,032	310	66	1,154	47	89	706	3,200	7,833	177	1,078
366	Communication equipment	2,385	459	6,995	14,130	2,721	1,466	601	13,979	314	598	5,847	28,299	46,426	2,298	10,761
367	Electronic components, accessories	4,455	374	4,557	9,260	5,455	2,464	516	9,770	325	626	4,645	21,214	34,517	3,013	6,436
369	Misc. electrical equipment, supplies	1,575	152	2,098	4,930	1,700	762	147	2,869	99	187	1,569	6,994	12,544	510	2,343
37	**Transportation equipment**	**10,176**	**1,768**	**30,673**	**64,291**	**9,443**	**3,800**	**1,596**	**40,812**	**1,060**	**2,051**	**24,379**	**84,932**	**201,346**	**7,214**	**42,283**
371	Motor vehicles and equipment	4,234	876	16,038	37,023	3,867	1,749	616	15,393	485	923	11,522	34,294	112,270	4,264	8,453
372	Aircraft and parts	1,173	431	7,621	14,732	1,471	730	539	14,718	289	573	6,987	29,402	52,027	1,680	27,641
373	Ship and boat building and repairing	2,795	220	2,940	4,681	2,566	762	205	4,326	162	319	3,194	7,509	13,326	496	1,817
374	Railroad equipment	201	56	889	1,883	200	107	35	790	23	39	479	1,492	3,457	142	776
375	Motorcycles, bicycles, parts	350	16	169	370	273	67	13	225	10	19	169	403	1,341	23	286
376	Guided missiles, space vehicles	109	120	2,427	4,422	105	86	146	4,481	60	120	1,493	9,857	14,398	462	2,082
379	Misc. transportation equipment	1,314	49	591	1,181	961	299	43	879	31	58	545	1,977	4,528	147	1,228
38	**Instruments and related products**	**7,481**	**559**	**7,520**	**18,762**	**8,045**	**3,015**	**624**	**12,883**	**363**	**696**	**5,917**	**33,672**	**51,798**	**2,103**	**10,925**
381	Engineering, scientific instruments	786	42	584	1,287	771	272	43	869	26	50	440	2,101	3,046	103	822
382	Measuring and control devices	2,079	200	2,666	5,242	2,483	1,060	228	4,646	124	235	1,947	10,007	14,633	602	3,686
383	Optical instruments and lenses	545	30	421	897	638	294	50	1,026	26	50	428	2,368	3,757	151	987
384	Medical instruments and supplies	2,355	114	1,319	3,262	2,711	894	141	2,492	94	181	1,283	6,978	10,863	440	2,226
385	Ophthalmic goods	634	30	314	656	410	122	26	409	17	35	213	874	1,273	41	322
386	Photographic equip. and supplies	780	112	1,900	6,732	795	286	119	3,193	64	124	1,457	10,860	17,038	753	2,601
387	Watches, clocks, and watchcases	302	32	317	685	237	87	17	248	12	22	150	484	1,188	15	281
39	**Misc. manufacturing**	**17,259**	**441**	**4,406**	**10,291**	**15,871**	**3,568**	**383**	**5,647**	**281**	**523**	**3,414**	**14,059**	**26,891**	**629**	**5,220**
391	Jewelry, silverware, and plated ware	3,118	61	638	1,449	2,882	504	50	770	35	65	448	1,784	4,379	52	1,207
393	Musical instruments	450	25	253	488	452	137	18	258	14	26	177	495	916	20	271
394	Toys and sporting goods	2,910	119	1,112	3,000	2,570	784	99	1,389	74	138	838	4,610	8,256	195	1,520
395	Pens, office and art goods	987	32	331	868	1,026	267	32	485	24	45	304	1,263	2,372	75	454
396	Costume jewelry and notions	1,514	51	451	1,002	1,356	379	42	528	32	62	336	1,156	2,110	64	395
399	Misc. manufactures	8,280	152	1,623	3,485	7,585	1,497	142	2,217	102	187	1,311	4,751	8,860	223	1,374
(x)	**Administrative and auxiliary** [6]	**9,171**	**1,074**	**21,981**	(x)	**9,676**	**5,204**	**1,276**	**38,220**	(x)	(x)	(x)	(x)	(x)	(x)	(x)

X Not applicable. Z Less than $500,000. [1] Standard Industrial Classification Code; see text, pp. 741 and 742. [2] "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. [3] See footnote 6, table 1334. [4] Includes expenditures for plants in operation and plants under construction but not yet in operation. [5] Total number of establishments does not include data for industry 2092 (fresh or frozen packaged fish). [6] 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, 1977* and *1982, General Summary*, MC77(1)-1 and MC82(1)-1.

No. 1336. Manufactures Summary,

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

	STATE	1972				1977				1982		
		Establishments, total [1]	All employees [2] Number [3] (1,000)	All employees [2] Payroll (mil. dol.)	Value added by manufacture [4] (mil. dol.)	Establishments, total [1]	All employees [2] Number [3] (1,000)	All employees [2] Payroll (mil. dol.)	Value added by manufacture [4] (mil. dol.)	Establishments [1] Total	Establishments [1] With 20 or more employees	All employees, number [2] [3]
1	**U.S**	**320,710**	**19,029**	**174,206**	**353,994**	**359,928**	**19,590**	**264,013**	**585,166**	**358,061**	**123,163**	**19,094**
2	**N.E.**	**23,731**	**1,363**	**11,908**	**22,508**	**25,737**	**1,391**	**17,603**	**35,588**	**25,659**	**9,413**	**1,445**
3	ME	2,075	100	699	1,383	2,157	103	1,078	2,343	2,009	615	110
4	NH	1,434	90	663	1,279	1,825	95	1,029	2,175	1,981	721	107
5	VT	860	37	311	576	1,030	42	498	1,050	1,104	310	47
6	MA	10,770	619	5,486	10,678	11,133	614	7,819	16,349	11,017	4,290	643
7	RI	2,756	118	888	1,764	3,107	125	1,327	2,737	2,855	940	114
8	CT	5,836	399	3,860	6,828	6,485	412	5,852	10,934	6,693	2,537	424
9	**M.A.**	**73,872**	**3,933**	**37,123**	**70,331**	**71,009**	**3,617**	**49,843**	**103,160**	**65,443**	**23,923**	**3,353**
10	NY	41,684	1,679	16,222	30,404	36,578	1,510	20,876	44,290	32,651	10,670	1,419
11	NJ	13,790	836	8,107	16,409	15,696	778	10,924	22,853	15,126	5,756	754
12	PA	18,398	1,418	12,794	23,519	18,735	1,329	18,043	36,017	17,666	7,497	1,180
13	**E.N.C.**	**64,667**	**4,933**	**50,960**	**99,951**	**69,237**	**4,974**	**76,908**	**160,224**	**67,378**	**24,958**	**4,337**
14	OH	16,390	1,346	13,810	27,171	17,354	1,331	20,356	43,055	16,960	6,515	1,102
15	IN	7,354	704	6,882	14,112	8,061	706	10,439	22,718	7,960	3,134	585
16	IL	18,617	1,306	12,801	25,849	19,517	1,286	18,741	40,279	18,618	7,102	1,069
17	MI	14,461	1,076	12,745	23,376	15,627	1,116	20,054	37,566	15,158	5,010	884
18	WI	7,845	501	4,722	9,443	8,678	535	7,318	16,606	8,682	3,197	697
19	**W.N.C.**	**21,467**	**1,202**	**10,923**	**23,586**	**24,321**	**1,297**	**17,388**	**40,666**	**23,940**	**7,977**	**1,272**
20	MN	5,698	302	2,889	5,524	6,637	332	4,693	9,605	6,775	2,214	350
21	IA	3,387	216	2,039	4,758	3,783	240	3,383	8,684	3,598	1,223	213
22	MO	6,732	434	3,897	8,169	7,355	433	5,709	13,087	7,069	2,457	406
23	ND	482	10	79	201	571	14	162	473	587	142	15
24	SD	606	17	135	285	740	23	251	612	748	205	25
25	NE	1,723	85	704	1,733	1,965	88	1,075	2,867	1,928	633	92
26	KS	2,839	137	1,181	2,915	3,270	168	2,115	5,338	3,235	1,103	171
27	**S.A.**	**41,533**	**2,741**	**20,645**	**44,361**	**47,692**	**2,823**	**33,504**	**72,306**	**48,855**	**17,195**	**2,930**
28	DE	567	69	755	1,292	619	67	1,141	1,596	632	243	68
29	MD	3,579	256	2,386	4,707	3,937	243	3,420	7,116	3,883	1,382	234
30	DC	564	19	220	389	555	19	298	610	514	127	17
31	VA	4,837	376	2,826	6,178	5,519	395	6,442	10,882	5,568	2,036	391
32	WV	1,733	121	1,098	2,647	1,857	117	1,621	3,880	1,662	559	96
33	NC	8,632	744	4,929	11,015	9,954	765	7,519	18,231	10,133	4,378	799
34	SC	3,719	345	2,345	4,966	4,229	374	3,805	8,187	4,206	1,723	368
35	GA	7,627	468	3,336	7,386	8,623	485	5,125	12,549	8,534	3,148	503
36	FL	10,275	343	2,750	5,787	12,399	358	4,133	9,255	13,723	3,599	454
37	**E.S.C.**	**16,525**	**1,249**	**9,211**	**21,234**	**19,187**	**1 328**	**14,506**	**36,214**	**18,573**	**7,162**	**1,241**
38	KY	3,167	259	2,160	5,682	3,548	278	3,452	9,546	3,502	1,354	247
39	TN	5,647	467	3,352	7,662	6,487	490	5,219	12,663	6,417	2,617	462
40	AL	4,984	323	2,397	5,065	5,863	341	3,773	8,406	5,528	1,968	330
41	MS	2,727	200	1,302	2,825	3,289	219	2,062	5,619	3,126	1,223	202
42	**W.S.C.**	**24,012**	**1,239**	**10,286**	**24,571**	**29,796**	**1,442**	**18,319**	**52,043**	**31,876**	**10,740**	**1,648**
43	AR	2,897	181	1,152	2,800	3,595	197	1,932	4,882	3,313	1,151	190
44	LA	3,651	179	1,601	4,273	4,276	195	2,683	9,418	4,107	1,335	202
45	OK	3,042	143	1,188	2,270	3,818	164	2,051	4,662	4,168	1,248	197
46	TX	14,422	736	6,345	15,228	18,107	886	11,653	33,081	20,288	7,006	1,059
47	**Mt**	**10,119**	**388**	**3,469**	**7,446**	**13,808**	**461**	**5,992**	**13,621**	**14,854**	**3,711**	**556**
48	MT	943	21	185	463	1,168	24	312	802	1,090	176	20
49	ID	1,190	43	340	821	1,495	52	625	1,430	1,404	354	48
50	WY	377	7	57	144	505	9	111	381	511	115	10
51	CO	2,841	133	1,298	2,504	3,948	153	2,125	4,472	4,406	1,157	192
52	NM	926	24	157	358	1,323	29	297	734	1,223	299	33
53	AZ	2,037	94	855	1,880	2,892	111	1,463	3,333	3,407	854	150
54	UT	1,358	57	486	1,069	1,748	70	867	1,974	1,962	579	83
55	NV	447	10	92	208	729	15	192	495	851	177	20
56	**Pac**	**46,829**	**1,983**	**19,685**	**39,966**	**59,106**	**2,255**	**31,929**	**71,245**	**61,483**	**17,998**	**2,518**
57	WA	5,345	226	2,308	4,721	6,723	265	4,054	8,955	6,788	1,707	291
58	OR	4,670	179	1,627	3,490	5,716	202	2,760	6,138	5,659	1,443	185
59	CA	35,699	1,546	15,483	31,175	45,289	1,752	24,672	54,862	47,625	14,467	2,005
60	AK	342	8	75	170	429	11	166	504	445	144	13
61	HI	773	25	191	410	949	25	277	786	966	237	24

X Not applicable. [1] Includes central administrative offices and auxiliary units. [2] Includes employment and payroll at administrative offices and auxiliary units. [3] "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: 1972 TO 1982

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

1982—Con.								
All employees, payroll [2 3] (mil. dol.)	Production workers [2]			Value added by manufacture [4] (mil. dol.)	Value of shipments [5] (mil. dol.)	Capital expenditures, new [6] (mil. dol.)	Leading major industry groups ranked by value added by manufacture, 1982	
	Number [3] (1,000)	Hours (mil.)	Wages (mil. dol.)					
379,627	**12,401**	**23,538**	**204,787**	**824,118**	**1,960,206**	**74,562**	**Mach. exc. elec.; food; trans. equip.**	1
27,603	**916**	**1,768**	**13,874**	**56,213**	**105,938**	**3,932**	(X)	2
1,775	86	166	1,237	4,038	8,649	510	Paper; leather; food	3
1,792	75	145	1,055	4,004	7,636	246	Machinery exc. elec.; elec. equip.; paper	4
863	30	56	434	2,037	3,730	271	Elec; equip; mach., exc. elec.; fabricated metal	5
12,353	397	765	6,001	25,968	48,204	1,667	Machinery, exc. elec.; elec equip.; instruments	6
1,760	83	157	1,052	3,793	7,652	184	Misc. mfg.; fab. metal; elec. equip.	7
9,060	245	479	4,095	16,373	30,067	1,054	Trans. equip; mach., exc. elec.; elec. equip.	8
68,316	**2,048**	**3,892**	**33,333**	**139,387**	**294,629**	**9,719**	(X)	9
29,156	836	1,613	13,270	62,907	121,469	4,267	Printing and publishing; instruments; elec. equip.	10
15,845	440	843	7,207	31,656	70,420	2,061	Chemicals; food; electrical equipment.	11
23,315	772	1,436	12,856	44,824	102,940	3,391	Machinery, exc. elec.; food; primary metal	12
92,400	**2,664**	**5,053**	**52,063**	**184,757**	**440,702**	**14,871**	(X)	13
24,740	695	1,326	13,816	49,641	112,278	4,216	Trans. equip.; mach., exc. elec., fab. metal	14
12,559	406	759	7,821	25,747	63,332	2,233	Electrical equip.; primary metal.; trans. equip.	16
22,681	670	1,256	11,931	47,705	112,929	3,372	Machinery, exc. elec.; food; elec. equipment.	16
22,223	564	1,091	12,505	39,118	99,715	3,503	Trans. equip; mach. exc. elec.; fabricated metal	17
10,197	329	621	5,990	22,546	52,448	1,547	Machinery, exc. elec.; food; paper	18
25,430	**802**	**1,505**	**13,652**	**60,413**	**155,543**	**4,243**	(X)	19
7,423	201	376	3,428	15,367	35,321	1,193	Machinery exc. elec.; food; fabricated metal	20
4,403	140	259	2,649	12,078	31,397	689	Machinery, exc. elec.; food; electrical equip.	21
8,013	256	477	4,199	16,334	41,459	1,340	Transportation equip.; food; chemicals	22
246	10	18	141	652	2,465	101	Food; mach., exc. elec.; printing and publishing	23
398	18	33	262	1,100	3,005	62	Food; mach., exc.; elec. equip.	24
1,624	64	124	1,015	4,445	15,143	245	Food; machinery, exc. elec.; chemicals	25
3,323	113	218	1,958	8,437	26,753	613	Transportation equip.; food; printing and publishing	26
48,588	**2,081**	**3,917**	**28,351**	**112,850**	**256,625**	**33,987**	(X)	27
1,743	32	61	557	2,467	8,383	322	Chemicals; food; instruments	28
4,859	146	271	2,551	10,134	21,282	718	Electronic equip.; food; chemicals	29
394	6	12	125	929	1,537	55	Printing and publishing; food; machinery, exc. electric	30
6,649	287	541	4,192	17,256	36,803	1,523	Tobacco; chemicals; food	31
2,007	85	122	1,233	4,049	9,869	394	Chemicals; primary metal; stone, clay, glass	32
11,717	605	1,116	7,297	28,492	64,176	25,589	Textiles; tobacco; electrical equipment.	33
5,540	279	522	3,576	12,219	27,836	1,503	Textiles; chemicals; machinery; exc. elec.	34
7,906	369	705	4,864	19,192	48,056	1,922	Textiles; food; chemicals	35
7,773	292	567	3,956	18,112	38,683	1,961	Food; electrical equip.; transportation equip.	36
20,132	**924**	**1,729**	**13,053**	**49,514**	**119,698**	**5,753**	(X)	37
4,639	174	320	2,874	11,820	29,639	997	Food; machinery, exc. elec.; chemicals	38
7,978	338	630	4,603	17,823	40,777	2,062	Chemicals; food; machinery, exc. elec.	39
5,234	254	480	3,598	12,046	29,794	1,540	Paper; chemicals; textiles	40
2,881	158	299	1,978	7,825	19,488	1,154	Transportation equip; food; electric equip.	41
32,573	**1,082**	**2,100**	**17,961**	**81,011**	**271,595**	**12,297**	(X)	42
2,824	149	279	1,932	7,755	19,747	701	Food; electionic equipment; paper	43
4,304	142	281	2,731	11,755	57,058	2,562	Chemicals; petroleum; food	44
4,010	121	234	2,065	8,143	23,116	641	Mach; exc. elec.; fab. metal; rubber, plastic	45
21,435	670	1,306	11,233	53,358	171,674	8,193	Machinery, exc. elec.; chemicals; food	46
10,863	**342**	**646**	**5,569**	**23,134**	**56,997**	**2,456**	(X)	47
379	15	27	265	714	3,668	75	Lumber; food; petroleum and coal	48
865	34	63	545	2,077	5,370	147	Food; machinery, exc. elec.; chemicals	49
183	7	13	115	408	2,558	49	Chemicals; mach., exc. elec.; food	50
3,983	110	208	1,877	8,057	17,963	892	Machinery, exc. elec.; instruments; food	51
521	22	42	297	1,398	3,815	120	Petroleum and coal; electric equipment; food	52
3,037	87	165	1,423	6,162	12,907	765	Elec. equip.; machinery exc. elec.; trans. equip.	53
1,539	54	103	837	3,455	8,960	328	Machinery, exc. elec.; trans. equip; food	54
356	13	25	210	863	1,756	80	Food; printing and publishing; fabricated metals	55
53,724	**1,543**	**2,931**	**26,934**	**116,846**	**258,280**	**10,305**	(X)	56
6,681	178	327	3,624	12,596	34,665	1,074	Transportation equip.; food; lumber	57
3,783	130	238	2,934	7,973	17,697	644	Lumber; food; instruments	58
42,630	1,209	2,318	20,561	94,388	199,695	8,439	Elec. equip; trans.; equip.; mach., exc. elec.	59
270	10	18	197	769	2,580	59	Food; petroleum and coal; lumber	60
360	16	30	218	1,120	3,443	89	Food; textiles; stone, clay, glass products.	61

[4] For definition, see footnote 6, table 1334. [5] See footnote 7, table 1334. [6] See footnote 4, table 1335.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, 1977* and *1982*.

No. 1337. Finances of Manufacturing Corporations: 1970 to 1984

[In billions of dollars. See tables 913 and 914 for individual industry data]

ITEM	1970	1972	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Net sales	709	850	1,061	1,065	1,203	1,328	1,496	1,742	1,897	2,145	2,039	2,114	2,335
Net operating profit	50	66	84	77	97	107	122	135	129	144	105	125	159
Net profit:													
Before taxes	48	63	92	80	105	115	133	154	145	158	108	133	166
After taxes	29	36	59	49	65	70	81	99	92	101	71	86	108
Cash dividends	15	16	19	20	23	27	29	32	36	40	41	42	45
Net income retained in business	14	20	39	29	42	44	52	66	58	61	30	44	63

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

No. 1338. Capital in Manufacturing Establishments: 1975 to 1984

[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. See *Historical Statistics, Colonial Times to 1970*, series P 107–122, for single-year figures prior to revisions issued in 1981]

ITEM	CURRENT DOLLARS						CONSTANT (1972) DOLLARS					
	1975	1980	1981	1982	1983	1984	1975	1980	1981	1982	1983	1984
Purchases of equipment and structures	39.8	77.2	82.3	72.8	68.1	83.5	30.4	42.7	42.8	37.0	34.9	42.2
Percent equipment	79.4	78.3	78.0	74.7	80.0	81.9	80.6	81.3	80.9	78.1	83.2	85.2
Depreciation (straight line) [1]	31.6	58.0	65.7	71.4	74.7	78.1	24.0	31.3	33.0	34.5	35.6	36.9
Percent equipment	73.6	77.0	78.3	79.1	79.3	79.4	75.1	79.7	80.5	81.0	81.4	82.0
Net investment [2]	8.2	19.2	16.6	1.4	–6.6	5.4	6.4	11.4	9.8	2.5	–.7	5.3
Net stock, end of year [1]	509.1	921.1	999.7	1,008.4	1,011.9	1,055.5	359.8	432.9	445.3	439.7	436.0	450.9
Equipment and structures	319.3	579.7	636.4	665.0	672.4	691.6	232.7	287.0	297.2	300.3	300.1	306.0
Percent equipment	62.1	65.1	66.6	66.3	66.4	66.6	62.0	67.5	68.0	67.8	68.1	68.8
Inventories	189.8	341.4	363.3	343.4	339.5	363.9	127.1	145.9	148.1	139.4	135.9	144.9

[1] Depreciation and net stock estimates are derived using the perpetual inventory method and assuming, in general, service lives of 85 percent of those shown in Internal Revenue Service's Bulletin F, and the straight-line depreciation formula. [2] Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925–79, Survey of Current Business*, October 1982, August 1983 and 1984, and unpublished data.

No. 1339. Manufacturers' Shipments, Inventories, and Orders: 1950 to 1984

[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)	Ratio of inventories to shipments [1]	New orders, total	Unfilled orders, total (Dec. 31)	YEAR	Shipments, total	Inventories, total (Dec. 31)	Ratio of inventories to shipments [1]	New orders, total	Unfilled orders, total (Dec. 31)
1950	223.6	31.5	1.41	242.1	41.2	1967	557.8	84.4	1.71	564.7	104.0
1951	260.6	39.2	1.78	286.7	66.9	1968	602.7	90.2	1.76	608.2	109.5
1952	270.3	41.5	1.71	278.5	75.5	1969	642.0	97.7	1.81	647.4	114.9
1953	298.1	44.2	1.90	283.0	60.3	1970	633.7	101.2	1.91	624.5	105.7
1954	280.3	41.8	1.71	268.0	48.2	1971	670.9	102.3	1.76	671.8	106.6
1955	317.8	45.2	1.63	329.6	60.0	1972	756.3	107.9	1.58	770.1	120.4
1956	332.9	50.7	1.74	340.4	67.5	1973	875.2	124.3	1.63	912.7	157.9
1957	344.8	51.9	1.90	330.7	53.3	1974	1,017.5	157.6	1.86	1,046.9	187.3
						1975	1,039.1	159.8	1.77	1,022.6	170.9
1958	327.0	50.0	1.75	324.1	46.8	1976	1,185.6	174.9	1.66	1,194.4	179.7
1959	363.4	52.7	1.68	368.8	52.1	1977	1,358.4	188.4	1.58	1,380.4	201.7
1960	370.5	53.6	1.79	362.9	44.5	1978	1,522.9	209.1	1.55	1,578.6	257.4
1961	371.1	54.7	1.67	373.3	46.7	1979	1,727.2	239.1	1.61	1,768.8	299.0
1962	400.3	58.1	1.76	401.2	47.6	1980	1,852.7	261.7	1.61	1,873.9	320.2
1963	420.7	59.9	1.66	426.4	53.3	1981	2,017.5	279.5	1.74	2,013.1	315.8
1964	448.0	63.3	1.62	460.1	65.4	1982	1,908.3	262.0	1.71	1,887.1	294.4
1965	491.9	68.0	1.58	505.3	78.8	1983	2,045.3	257.6	1.40	2,079.1	328.2
1966	538.4	77.7	1.70	556.8	97.2	1984	2,274.9	282.0	1.46	2,299.6	352.9

[1] Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1978–1984*, series M3-1.14, and unpublished data.

No. 1340. Value of Manufactures Shipments and Inventories—Selected Industries: 1978 to 1984

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

SIC [1] code	INDUSTRY	1978	1979	1980	1981	1982	1983	1984
(x)	**Shipments, total**	**1,522.9**	**1,727.2**	**1,852.7**	**2,017.5**	**1,908.3**	**2,045.3**	**2,274.3**
(x)	**Durable goods industries** [2]	**814.2**	**912.7**	**930.6**	**1,006.5**	**920.3**	**1,019.4**	**1,182.0**
32	Stone, clay, and glass products	41.7	46.0	46.1	48.0	44.0	49.1	55.0
33	Primary metals	118.1	137.4	133.9	141.9	107.0	117.9	131.2
34	Fabricated metal products	101.3	113.6	116.2	123.7	114.0	120.6	139.2
35	Machinery, exc. electrical [2]	143.2	166.5	180.7	201.5	180.6	178.3	210.2
351	Engines and turbines	12.4	13.2	13.7	15.3	12.8	12.2	14.9
352	Farm machinery and equipment	11.9	15.5	15.1	16.0	11.8	10.6	10.5
353	Construction mining and material handling equipment	28.9	31.5	33.6	39.0	34.5	28.4	32.6
357	Office and computing machines	21.0	26.6	32.4	37.8	40.4	46.0	55.4
36	Electrical machinery [2]	100.5	116.0	128.8	140.2	141.1	156.0	182.5
361-2	Elec. transmission and distribution	17.9	20.0	21.3	23.4	21.9	21.9	24.8
363	Household appliances	11.5	12.7	12.9	13.1	12.1	14.9	17.4
365	Radio and TV	7.9	8.1	8.5	8.8	7.8	8.6	10.4
366	Communication equipment	25.7	30.3	36.0	40.3	44.5	48.6	55.3
367	Electronic components	17.9	22.7	27.6	30.4	31.3	35.3	44.9
37	Transportation equipment [2]	188.8	201.6	186.5	205.2	195.1	240.5	288.3
371	Motor vehicles and parts	132.0	131.4	104.6	117.0	112.2	151.9	191.5
372, 6	Aircraft, missiles, and parts	37.5	48.3	58.5	64.8	63.6	70.9	77.0
38	Instruments and related products [2]	33.7	37.7	44.1	48.3	46.9	47.9	53.5
381-4	Scientific and engineering equipment	19.2	21.6	25.6	28.7	28.0	29.3	33.3
386	Photographic goods	11.5	13.4	15.9	16.9	16.6	16.3	17.9
(x)	**Nondurable goods industries** [2]	**708.7**	**814.5**	**922.1**	**1,011.1**	**988.0**	**1,025.9**	**1,092.9**
20	Food and kindred products [2]	216.0	236.0	256.2	272.1	277.3	286.6	295.1
201	Meat products	55.6	61.6	63.0	65.9	66.2	66.8	70.1
207	Fats and oils	16.2	17.7	18.2	17.9	15.4	16.5	15.6
208	Beverages	26.6	29.3	33.0	36.1	40.3	41.7	43.1
21	Tobacco products	10.0	10.6	12.2	13.1	14.5	15.5	16.9
22	Textile mill products	42.3	45.1	47.3	50.3	47.2	52.2	55.1
26	Paper and allied products [2]	57.0	65.2	72.6	80.2	79.0	85.1	95.9
261-3, 6	Paper, pulp, paperboard mill products	24.0	28.0	31.8	35.1	33.5	36.3	41.5
265	Paperboard containers	14.5	16.0	17.2	19.0	18.4	19.1	21.7
28	Chemicals and allied products [2]	129.4	147.7	162.5	180.5	172.8	190.2	211.8
281	Industrial inorganic chemicals	44.8	52.3	57.3	62.7	55.8	59.2	68.7
283-4	Drugs, soaps, toiletries	34.2	36.7	41.9	46.9	48.6	50.4	53.9
29	Petroleum and coal products	103.9	148.4	198.7	224.1	206.4	191.6	200.6
30	Rubber and plastics products	43.2	46.8	47.3	53.2	50.2	50.3	52.1
(x)	**Inventories, total (Dec. 31)**	**209.1**	**239.1**	**261.7**	**279.5**	**262.0**	**257.6**	**282.0**
(x)	**Durable goods industries** [2]	**136.3**	**158.5**	**172.2**	**183.6**	**172.6**	**169.0**	**188.1**
32	Stone, clay, and glass products	4.8	5.4	5.8	6.3	5.8	5.6	5.8
33	Primary metals	19.6	22.6	23.1	25.7	21.5	19.2	20.4
34	Fabricated metal products	17.0	18.8	19.2	19.9	17.3	17.4	18.8
35	Machinery, exc. electrical [2]	31.5	36.8	40.3	43.0	39.7	36.3	40.1
351	Engines and turbines	2.4	2.6	2.6	2.8	2.4	2.0	2.2
352	Farm machinery and equipment	2.5	2.9	2.9	2.7	2.1	1.9	1.9
353	Construction mining and material handling equipment	7.3	8.1	9.2	9.9	9.1	7.1	6.8
357	Office and computing machines	5.0	6.8	8.4	9.2	9.4	9.8	12.5
36	Electrical machinery [2]	18.6	22.6	25.4	27.8	26.1	27.7	32.2
361-2	Elec. transmission and distribution	3.5	4.0	4.1	4.6	4.1	4.0	4.5
363	Household appliances	1.8	1.8	1.8	2.0	1.7	2.0	2.5
365	Radio and TV	1.2	1.2	1.3	1.4	1.0	1.0	1.3
366	Communication equipment	5.5	7.3	8.8	9.9	9.9	11.0	13.0
367	Electronic components	3.3	4.4	5.4	5.7	5.6	5.6	6.4
37	Transportation equipment [2]	25.7	31.1	35.3	37.0	39.9	40.0	46.9
371	Motor vehicles and parts	10.1	10.7	9.6	8.9	8.2	9.3	11.1
372, 6	Aircraft, missiles, and parts	12.1	16.4	21.7	24.1	28.5	27.7	32.5
38	Instruments and related products [2]	6.7	7.7	8.8	9.4	9.0	8.8	9.2
381-4	Scientific and engineering equipment	4.5	5.2	6.0	6.4	6.4	6.3	6.7
386	Photographic goods	1.6	1.9	2.2	2.4	2.0	2.0	2.0
(x)	**Nondurable goods industries** [2]	**72.8**	**80.6**	**89.5**	**95.8**	**89.4**	**88.6**	**93.9**
20	Food and kindred products [2]	18.7	20.6	22.4	22.1	21.3	21.4	22.0
201	Meat products	1.7	1.8	2.0	1.9	1.9	2.0	2.2
207	Fats and oils	1.7	2.0	2.0	1.6	1.4	2.0	1.3
208	Beverages	3.4	3.6	3.8	3.8	3.6	3.3	3.5
21	Tobacco products	3.8	3.6	3.9	4.6	4.7	4.1	3.7
22	Textile mill products	5.8	6.0	6.5	6.7	6.1	6.8	6.9
26	Paper and allied products [2]	6.0	6.8	7.7	8.5	8.5	8.6	9.6
261-3, 6	Paper, pulp, paperboard mill products	2.1	2.4	2.9	3.2	3.4	3.3	3.6
265	Paperboad containers	1.7	1.9	1.9	2.3	2.2	2.3	2.6
28	Chemicals and allied products [2]	15.7	17.3	19.6	22.0	19.8	19.5	21.8
281	Industrial inorganic chemicals	4.9	5.4	6.5	7.3	6.1	5.8	6.7
283-4	Drugs, soaps, toiletries	4.8	5.4	5.9	6.4	6.2	6.1	6.7
29	Petroleum and coal products	5.4	7.7	9.9	10.6	9.3	8.1	8.3
30	Rubber and plastics products	5.4	6.0	6.0	6.5	5.7	5.6	6.9

X Not applicable. [1] Standard Industrial Classification. [2] Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufactures' Shipments, Inventories, and Orders: 1978-1984*, series M3-114.

No. 1341. Industrial Production Indexes, by Industry: 1970 to 1984

[1977=100. Based on 1977 *Standard Industrial Classification Manual* (see text, pp. 741 and 742). See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18-39]

SIC [1] CODE	MAJOR INDUSTRY GROUP	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
(X)	**Industrial production**	**79**	**93**	**85**	**93**	**100**	**107**	**111**	**109**	**111**	**103**	**109**	**122**
(X)	**Manufacturing**	**77**	**93**	**83**	**92**	**100**	**107**	**112**	**100**	**111**	**102**	**110**	**124**
(X)	**Durable goods**	**78**	**94**	**83**	**91**	**100**	**108**	**114**	**109**	**111**	**100**	**108**	**125**
33	Primary metals	95	111	88	99	100	107	109	90	95	66	73	82
34	Fabricated metal products	82	95	83	92	100	106	109	102	102	87	89	143
36	Electrical machinery	69	90	77	87	100	113	126	130	134	128	144	172
35	Nonelectrical machinery	73	98	85	89	100	112	123	123	130	116	118	142
37	Transportation equipment	75	90	81	92	100	106	108	97	95	88	99	114
38	Instruments	60	86	81	89	100	112	118	122	126	125	123	137
32	Clay, glass, and stone products	76	94	83	93	100	109	111	102	99	89	99	112
24	Lumber and products	81	87	81	92	100	102	102	93	90	83	100	109
25	Furniture and fixtures	75	94	80	89	100	109	112	109	110	105	118	137
(X)	**Nondurable goods**	**76**	**90**	**85**	**93**	**100**	**106**	**108**	**107**	**110**	**106**	**114**	**123**
22	Textile mill products	81	89	85	94	100	103	104	101	98	89	101	104
31	Leather and products	117	103	102	102	100	102	95	94	93	82	82	77
26	Paper and products	81	98	85	96	100	107	111	111	112	109	120	127
27	Printing and publishing	82	89	84	91	100	108	113	115	119	120	130	148
28	Chemicals and products	67	91	83	93	100	107	111	106	113	104	114	122
29	Petroleum products	80	88	87	93	100	103	102	94	89	84	84	87
30	Rubber and plastics products	58	85	73	85	100	108	115	108	116	110	124	143
20	Food	82	91	90	96	100	104	107	111	114	115	120	127
21	Tobacco products	52	98	99	105	100	105	105	106	109	105	101	101
(X)	**Mining**	**99**	**99**	**97**	**97**	**100**	**104**	**106**	**112**	**118**	**109**	**103**	**111**
(X)	**Utilities**	**81**	**93**	**94**	97	**100**	**103**	**106**	**107**	**107**	**105**	**105**	**111**

X Not applicable. [1] Standard Industrial Classifications.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

No. 1342. Index of Manufacturing Capacity and Relation of Output to Capacity: 1950 to 1985

[1977 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	40	83	89	80	1977	123	81	83	81
1955	49	87	92	84	1978	127	84	86	83
1960	60	80	80	81	1979	132	85	87	84
1965	73	90	91	89	1980	137	79	78	80
1970	97	79	81	78	1981	141	78	78	78
1971	101	77	80	76	1982	145	70	68	72
1972	104	83	86	81	1983	149	74	74	74
1973	108	87	91	85	1984	153	81	82	80
1974	112	83	85	82	1985: 1st qtr	157	81	82	80
1975	116	72	72	73	2nd qtr	158	80	82	80
1976	119	77	79	77					

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization In Manufacturing, Mining, Utilities, and Industrial Materials*, G.3., August 1984. (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. 1343. Large Manufacturing Companies—Adequacy of Capital Facilities to Meet Current Demand: 1970 to 1984

[**Percent distribution.** As of July. Number of companies weighted by company assets. Based on replies to the question: In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now Inadequate, Sufficient, or More than adequate? as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1970	28	60	12	1978	20	62	18
1971	18	59	23	1979	20	69	11
1972	16	71	13	1980	12	57	31
1973	45	53	2	1981	9	51	40
1974	57	40	3	1982	8	45	47
1975	19	43	38	1983	6	48	46
1976	18	65	17	1984	8	55	37
1977	20	66	14				

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing* (copyright).

No. 1344. Large Manufacturing Companies—Capital Appropriations and Expenditures, by Industry: 1970 to 1984

[**In millions of dollars.** Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations.* This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. **Appropriations:** Authorizations by management to spend funds for new plant and equipment; **expenditures:** Cost of new plant and equipment]

ITEM AND YEAR	Total	Food and beverages	Paper and allied products	Chemicals and allied products	Petroleum and coal products	Primary iron and steel	Electrical machinery and equip.	Machinery, except electrical	Motor vehicles and equipment	Other manufacturing
Appropriations: 1970	25,337	1,587	1,034	3,036	5,704	1,534	2,584	3,098	1,276	5,484
1975	45,034	3,573	1,902	7,466	13,986	3,102	1,978	3,748	1,015	8,264
1979	88,519	6,640	3,979	10,725	19,526	3,559	5,859	10,236	8,129	19,866
1980	104,631	6,603	3,576	12,170	32,875	2,889	6,544	9,368	7,110	23,496
1981	106,956	5,772	5,010	12,019	36,904	5,210	5,787	12,700	3,489	20,065
1982	87,544	5,792	4,006	9,476	31,524	1,563	6,663	8,710	3,915	15,895
1983	88,180	5,909	3,231	10,002	25,718	2,113	8,869	7,909	5,807	18,622
1984	115,975	7,003	5,935	11,981	25,465	2,116	11,992	10,677	16,698	23,908
Expenditures: 1970	26,321	1,598	1,046	3,143	5,559	1,746	2,408	3,093	1,689	6,039
1975	45,557	3,081	1,905	7,172	11,907	3,552	2,227	4,014	1,808	9,891
1979	*73,126*	*5,037*	*3,018*	*9,309*	*16,876*	*3,243*	*4,918*	*8,400*	*5,335*	*16,990*
1980	88,209	6,014	3,859	10,918	22,228	3,458	6,271	9,826	5,555	20,080
1981	101,341	6,744	3,746	11,785	31,578	3,405	6,069	11,289	6,688	20,037
1982	98,614	5,802	3,653	11,180	33,317	3,545	6,354	10,906	5,610	18,247
1983	75,710	5,426	3,357	9,340	20,441	2,136	6,964	7,768	4,007	16,271
1984	90,401	5,445	3,840	11,241	21,508	1,970	10,154	8,651	7,001	20,591

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations.* (Copyright.)

No. 1345. U.S. Share of World Exports of Manufactures: 1979 to 1984

[*World exports=exports from 15 major trading countries:* United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percents are calculated from the values of exports of the six commodity groups from each of the 15 countries. Percentage shares are based on values excluding shipments to the United States and are based on current exchange rates. Detail for all countries except Japan are reported according to Revision 2 instead of Revision 1 of the United Nations Standard International Trade Classification (SITC)]

PRODUCT CATEGORY	TOTAL (bil. dol.)						PERCENT OF WORLD EXPORTS					
	1979	1980	1981	1982	1983	1984	1979	1980	1981	1982	1983	1984
Total [1]	**116.7**	**144.0**	**154.3**	**139.7**	**132.4**	**143.1**	**17.3**	**18.3**	**20.6**	**19.8**	**19.4**	**20.5**
Nonelectrical machinery	33.2	41.9	47.6	44.2	38.6	42.5	23.9	25.1	28.9	28.4	26.6	28.7
Transport equipment	25.8	28.8	32.8	27.8	28.3	29.7	22.7	23.2	24.7	22.1	23.6	25.0
Chemicals	17.3	20.7	21.2	19.9	19.8	22.3	17.9	18.8	20.5	20.2	19.8	21.1
Electrical machinery	11.6	13.9	15.4	15.2	15.7	17.8	18.5	19.2	21.6	22.2	22.8	24.1
Basic manufactures [2]	16.2	22.3	20.6	16.7	14.9	15.1	9.1	10.6	11.5	10.1	9.4	9.6
Misc. articles [3]	12.6	16.3	16.7	16.0	15.2	15.7	15.1	16.3	17.4	17.2	16.7	17.0

[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, *Business America,* biweekly; and *Market Share Reports,* annual.

No. 1346. Foreign Direct Investment in the U.S. for Manufacturing: 1980 and 1984

[**In millions of dollars**]

AREA OR COUNTRY	TOTAL [1]		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY	
	1980	1984	1980	1984	1980	1984	1980	1984	1980	1984
All countries [2]	**32,993**	**50,664**	**4,869**	**8,141**	**10,439**	**16,749**	**3,576**	**5,725**	**6,988**	**8,950**
Europe [2]	21,953	38,684	2,088	7,482	8,163	14,494	2,194	2,476	4,463	5,773
European communities (10) [2]	17,714	32,697	1,501	6,387	6,943	12,376	1,767	2,037	3,116	4,553
Netherlands	4,777	12,470	225	(D)	2,002	3,340	170	(D)	1,094	1,942
United Kingdom	6,159	9,347	1,098	2,193	2,301	3,302	524	717	1,097	1,467
Germany, Fed. Rep.	3,875	4,431	43	27	1,815	2,346	333	210	832	922
France	2,291	5,402	111	338	633	2,849	555	590	61	141
Belgium and Luxembourg	473	569	(D)	(D)	185	(D)	(D)	(D)	8	15
Italy	50	340	(D)	(D)	(D)	(D)	5	2	14	49
Other Europe [2]	4,239	5,988	587	1,095	1,220	2,118	427	439	1,347	1,219
Switzerland	3,116	4,782	586	(D)	1,154	2,056	264	(D)	681	614
Sweden	994	1,008	1	(D)	67	60	148	(D)	613	553
Canada	5,227	3,888	(D)	89	116	103	801	1,402	1,173	1,201
Latin America	4,571	5,287	101	271	1,929	1,898	412	1,098	1,027	1,435
Japan	1,033	2,262	98	197	224	267	78	535	316	539
Middle East	83	94	(D)	(D)	1	(Z)	(D)	(D)	(Z)	5

D Withheld to avoid disclosure of data of individual companies. Z Less than $500,000. [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 1985.

No. 1347. Employment Related to Manufactured Exports by Industry: 1976 to 1981

[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	1976			1977			1980			1981		
	Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports		Civilian employment (1,000)	Employment related to manufactured exports	
		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment		Number (1,000)	Percent of civilian employment
U.S.	**86,692**	**3,452**	**4.0**	**89,369**	**3,258**	**3.6**	**100,275**	**4,808**	**4.8**	**101,721**	**4,794**	**4.7**
Manufacturing	18,753	2,125	11.3	19,590	1,990	10.2	20,662	2,639	12.8	20,261	2,604	12.9
Nonmfg	68,139	1,327	1.9	69,779	1,268	1.8	79,613	2,170	2.7	81,460	2,190	2.7
Trade	16,025	489	3.1	16,653	489	2.9	19,737	845	4.3	19,937	926	4.6
Business serv.	12,851	256	2.0	16,750	215	1.3	17,245	575	3.3	17,641	546	3.1
Transp.[1]	4,584	192	4.2	4,797	185	3.9	6,369	305	4.8	5,803	259	4.5
Agriculture	3,403	137	4.0	3,044	129	4.2	3,225	144	4.5	3,297	147	4.5
Mining	688	35	5.1	747	34	4.6	947	69	7.3	1,157	80	6.9
Other	30,588	218	.7	27,788	216	.8	32,090	233	.7	33,625	232	.7

[1] Includes communications and utilities.

No. 1348. Export-Related Shipments and Employment of Manufacturing Establishments, 1963 to 1981, and by Industry, 1981

[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 code	Industry group	Manufacturer's shipment value					Manufacturing employment				
		Total[1] (bil. dol.)	Export related			Export related as percent of shipments	Total[4] (1,000)	Export related			Export related as percent of total employment
			Total (bil. dol.)	Direct exports[2] (bil. dol.)	Supporting exports[3] (bil. dol.)			Total[4] (1,000)	Direct exports[5] (1,000)	Supporting exports[4 5] (1,000)	
(X)	1963	420.5		16.5		3.9	16,958		(NA)		(NA)
(X)	1971	671.0		33.1		4.9	18,363		746		*4.1
(X)	1972	756.5		36.7		4.9	19,027		770		4.0
(X)	1976	1,185.7	137.7	83.1	54.1	7.0	18,753	2,125	1,173	952	*11.3
(X)	1977	1,358.4	142.4	85.8	56.6	10.4	19,590	1,990	1,106	884	0.2
(X)	1980	1,852.7	249.8	151.2	98.6	13.5	20,647	2,639	1,486	1,153	12.8
(X)	**1981, total**	**2,017.5**	**271.7**	**164.3**	**107.4**	**13.4**	**20,264**	**2,604**	**1,486**	**1,118**	**12.9**
20	Food and kindred products	272.1	17.7	12.1	5.5	6.4	1,511	76	46	31	5.0
21	Tobacco products	13.1	2.8	2.1	.7	21.4	61	12	9	3	18.9
22	Textile mill products	50.3	5.5	2.6	2.9	10.9	785	80	35	44	10.1
23	Apparel, other textile prod.	49.8	2.0	1.3	.7	4.0	1,251	39	25	14	3.1
24	Lumber and wood products	46.8	5.5	2.6	2.8	11.7	649	65	25	40	10.0
25	Furniture and fixtures	23.9	.7	.5	.2	3.0	460	13	9	4	2.8
26	Paper and allied products	80.2	10.0	4.1	5.9	12.5	636	72	23	49	11.2
27	Printing and publishing	77.3	2.3	1.3	1.1	3.0	1,270	33	16	17	2.5
28	Chemical and allied prod.	180.5	36.0	19.3	16.7	19.9	892	164	90	74	18.3
29	Petroleum and coal products	224.1	14.2	3.3	10.8	6.3	152	10	3	7	6.8
30	Rubber, misc. plastics prod.	53.2	6.1	2.7	3.4	11.4	691	76	31	45	10.9
31	Leather, leather products	10.5	.6	.5	.1	6.0	228	9	7	1	3.7
32	Stone, clay, glass products	48.0	4.3	1.8	2.5	9.0	590	53	21	31	8.9
33	Primary metal industries	141.9	27.4	6.2	21.3	19.3	1,063	199	41	158	18.7
34	Fabricated metal products	123.7	15.4	7.1	8.3	12.4	1,568	192	88	104	12.2
35	Machinery, except electric	201.5	48.1	38.4	9.7	23.8	2,380	517	387	130	21.7
36	Electric, electronic equip.	140.2	23.3	16.5	6.8	16.6	1,959	341	240	101	17.4
37	Transportation equipment	205.2	37.6	31.2	6.5	18.3	1,749	313	256	57	17.9
38	Instruments and related products	48.3	9.2	8.0	1.2	18.9	612	119	102	16	19.3
39	Misc. manufacturing	26.9	2.9	2.5	.3	10.6	413	37	32	5	8.9

NA Not available. X Not applicable. [1] Includes total domestic and export shipments for all manufacturing establishments. [2] Includes only the value of manufactured products exported by the producing plants. [3] Includes shipments of components, parts, supplies, etc., used by plants producing the export products. [4] Includes employees of central administrative offices and auxiliaries. [5] 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. [6] Manufacturing employment at establishment producing components, parts, supplies, etc. for use by plants producing for export.

Source of tables 1347 and 1348: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1967, 1972,* and *1977;* and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products.*

No. 1349. Export-Related Shipments and Employment of Manufacturing Establishments, by State: 1981

[See headnote, table 1348. Includes employees of central administrative and auxiliary offices]

Region, division, and state	Manufactuer's shipment value: Total (bil. dol.)	Export related: Total (bil dol.)	Direct exports (bil. dol.)	Supporting exports (bil. dol.)	Export related as percent of shipments	Manufacturing employment: Total (1,000)	Export related: Total (1,000)	Direct exports (1,000)	Supporting exports (1,000)	Export related as percent of total employment
U.S.	**2,017.5**	**271.7**	**164.3**	**107.4**	**13.4**	**20,264**	**2,604**	**1,486**	**1,118**	**12.8**
Region:										
Northeast	413.1	54.7	32.9	21.7	13.2	5,136	652	358	296	12.7
Midwest	636.6	84.5	51.3	33.3	13.3	5,941	795	432	360	13.4
South	657.6	83.7	45.8	37.7	12.7	6,032	669	355	313	11.1
West	310.3	48.9	34.4	14.7	15.8	3,159	490	336	152	15.5
N. Eng	**105.5**	**15.7**	**10.1**	**5.5**	**14.9**	**1,550**	**214**	**124**	**91**	**13.8**
ME	9.1	.9	.5	.4	10.1	115	11	6	5	9.9
NH	7.3	1.0	.6	.4	13.6	111	16	10	6	14.1
VT	3.6	.5	.2	.2	12.3	50	6	3	3	11.6
MA	47.9	7.4	5.1	2.3	15.4	692	98	59	39	14.2
RI	7.6	1.0	.6	.4	13.4	127	15	9	7	12.0
CT	30.0	4.9	3.1	1.8	16.2	455	68	37	31	14.9
Mid. Atl	**307.5**	**39.0**	**22.8**	**16.2**	**12.7**	**3,586**	**438**	**234**	**205**	**12.2**
NY	119.3	15.3	10.2	5.1	12.7	1,502	172	98	74	11.4
NJ	73.0	8.2	4.5	3.7	11.2	793	95	46	49	11.9
PA	115.2	15.5	8.1	7.4	13.4	1,291	171	90	82	13.2
E. No. Cent	**479.5**	**66.9**	**40.0**	**27.0**	**14.0**	**4,577**	**635**	**338**	**295**	**13.9**
OH	122.3	18.1	10.4	7.8	14.8	1,219	180	96	84	14.7
IN	70.3	9.7	5.0	4.7	13.7	643	86	45	41	13.3
IL	127.0	17.0	10.4	6.7	13.4	1,210	157	84	73	12.9
MI	105.2	15.5	10.3	5.2	14.7	977	143	74	68	14.6
WI	54.7	6.6	4.0	2.6	12.0	528	69	39	29	13.0
W. No. Cent	**157.1**	**17.6**	**11.3**	**6.3**	**11.2**	**1,364**	**160**	**94**	**65**	**11.7**
MN	35.5	4.1	2.7	1.4	11.6	373	46	26	20	12.4
IA	33.2	3.9	2.7	1.2	11.8	236	29	19	9	12.0
MO	41.2	4.9	3.0	1.8	11.7	430	48	27	21	11.1
ND	2.4	.2	.2	.1	10.2	15	2	1	1	11.1
SD	2.9	.3	.2	.1	9.1	27	2	1	1	7.9
NE	15.4	1.5	.9	.5	9.5	95	10	6	4	10.0
KS	26.5	2.7	1.5	1.2	10.1	188	23	14	9	12.4
So. Atl	**253.7**	**32.8**	**18.9**	**13.8**	**12.9**	**3,045**	**326**	**16.8**	**158**	**10.7**
DE	9.1	.9	.4	.5	9.4	67	9	3	7	13.5
MD	21.3	2.3	1.2	1.1	11.0	243	26	13	14	10.8
DC	1.3	(Z)	(Z)	(Z)	2.4	16	1	(Z)	(Z)	3.0
VA	35.9	5.2	3.3	1.8	14.3	411	46	27	19	11.1
WV	11.9	2.4	1.2	1.2	19.7	109	16	7	9	14.6
NC	62.2	7.8	4.7	3.1	12.5	822	81	41	39	9.8
SC	27.9	4.2	2.2	2.0	15.0	388	46	22	24	11.7
GA	47.2	5.0	2.5	2.5	10.5	527	51	25	26	9.7
FL	36.8	5.0	3.4	1.6	13.4	462	50	30	20	10.8
E. So. Cent	**122.0**	**15.5**	**8.3**	**7.1**	**12.7**	**1,309**	**135**	**70**	**65**	**10.3**
KY	30.4	3.8	1.9	1.8	12.3	267	29	14	15	10.6
TN	41.3	5.6	3.3	2.3	13.4	492	51	28	24	10.3
AL	30.5	4.0	1.9	2.1	13.1	346	38	19	19	11.0
MS	19.8	2.1	1.2	.9	10.4	204	17	9	7	8.2
W. So. Cent	**281.9**	**35.4**	**18.5**	**168**	**12.6**	**1,678**	**208**	**118**	**90**	**12.4**
AR	18.5	2.5	1.6	.9	13.6	197	21	12	9	10.5
LA	57.8	7.4	3.7	3.7	12.8	208	25	14	11	11.9
OK	25.3	2.8	1.5	1.2	10.8	205	26	15	11	12.4
TX	180.3	22.7	11.7	11.0	12.5	1,068	136	77	59	12.7
Mt	**56.8**	**7.0**	**4.1**	**3.1**	**12.3**	**572**	**79**	**49**	**27**	**13.8**
MT	4.3	.3	.1	.3	7.6	23	2	(Z)	1	7.5
ID	5.0	.7	.5	.3	14.7	50	6	3	3	11.7
WY	3.2	.2	(Z)	.2	5.6	11	1	–	1	4.4
CO	17.2	1.9	1.3	.6	11.1	188	24	16	8	12.7
NM	3.2	.2	.1	.2	7.2	34	2	(Z)	1	4.6
AZ	12.5	2.5	1.6	.8	19.7	156	32	24	8	20.5
UT	9.8	1.0	.4	.6	10.6	92	10	5	4	10.3
NV	1.6	.2	.1	.1	13.1	18	2	1	1	10.1
Pac	**253.6**	**41.9**	**30.3**	**11.6**	**16.5**	**2,587**	**411**	**287**	**125**	**15.9**
WA	36.8	10.8	9.0	1.7	29.2	304	80	67	14	26.3
OR	18.8	2.8	1.7	1.1	14.8	204	30	18	11	14.5
CA	192.4	27.4	18.8	8.6	14.2	2,040	296	197	99	14.5
AK	2.0	.7	.7	.1	36.3	13	4	4	(Z)	34.1
HI	3.6	.2	.1	.1	6.3	26	1	1	1	4.5

– Represents zero. Z Less than $50 million or fewer than 500.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, Origin of Exports of Manufactured Products* M81(AS)-5.

No. 1350. U.S. Exports and Imports of Manufactured Products: 1974 to 1983

1972 SIC [1] code	Products	Exports: Export value, 1983 (mil. dol.)	Exports: Exports/shipment ratio 1974 (percent)	Exports: Exports/shipment ratio 1981 (percent)	Exports: Exports/shipment ratio 1982 (percent)	Imports [2]: Import value, 1983, (mil. dol.)	Imports [2]: Import penetration ratio [3] 1974 (percent)	Imports [2]: Import penetration ratio [3] 1981 (percent)	Imports [2]: Import penetration ratio [3] 1982 (percent)
	Total manufactured products	**156,801**	**7.8**	**9.5**	**9.1**	**192,344**	**7.2**	**8.3**	**8.5**
20	Food and kindred products	11,022	3.8	5.2	4.3	10,334	4.5	4.3	3.0
21	Tobacco manufactures	1,169	7.2	12.7	10.4	404	.6	2.0	1.8
22	Textile mill products	1,560	5.2	5.9	4.9	2,557	5.0	5.6	5.4
23	Apparel and other textile products	1,049	2.0	3.4	2.4	9,897	7.7	13.9	14.2
24	Lumber and wood products	2,852	6.4	7.0	7.2	4,426	7.9	9.8	8.2
25	Furniture and fixtures	520	1.1	2.5	2.5	1,795	3.1	5.0	5.3
26	Paper and allied products	4,103	6.0	6.2	5.5	5,820	6.3	6.8	6.1
27	Printing and publishing	1,323	1.5	1.9	1.7	657	1.0	.9	.9
28	Chemicals and allied products	19,688	11.1	12.6	12.4	9,333	3.9	4.7	4.6
29	Petroleum refining	5,325	1.8	1.8	3.2	17,395	14.6	7.3	7.2
30	Rubber and misc. plastics products	2,634	4.9	5.9	4.8	3,405	5.0	6.1	5.1
31	Leather and leather products	457	3.1	5.4	5.7	5,296	16.6	40.3	33.9
32	Stone, clay, and glass products	1,779	3.5	4.5	4.3	2,862	3.9	5.4	5.3
33	Primary metal products	4,067	4.6	4.8	5.0	15,079	10.6	15.4	14.6
34	Fabricated metal products	6,731	5.1	7.1	7.3	5,308	3.3	4.1	4.3
35	Machinery, except electrical	33,190	19.2	23.9	23.3	17,373	5.9	8.7	8.5
36	Electrical and electronic equipment	18,032	10.2	13.5	12.6	24,450	9.1	13.9	12.4
37	Transportation equipment	30,864	13.9	16.9	15.2	42,538	11.2	16.5	15.3
38	Instruments and related products	8,271	15.8	19.0	17.6	6,023	7.1	12.7	10.2
39	Miscellaneous manufactures	2,165	10.4	11.9	9.6	7,393	14.5	29.9	24.3

[1] Standard Industrial Classification. [2] Import data for 1974 and 1982 are valued on a customs basis; data for 1981 are valued on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. [3] Ratio of imports to new supply (domestic product shipments plus imports).

No. 1351. U.S. Exports and Imports For 20-Leading 4-Digit SIC Product Groups: 1982

[In millions of dollars, except as indicated. Ranked by value of 1982 imports and exports]

1972 SIC [1] code	Products	Exports [2]: Total (mil. dol.)	Exports [2]: Percent of shipments	1972 SIC [1] code	Products	Imports [2]: Total (mil. dol.)	Imports [2]: Percent of supply
3573	Electronic computing equipment	8,957	23.9	3711	Motor vehicles and car bodies	25,579	26.6
3721	Aircraft	7,236	25.1	2911	Petroleum refinery products	15,590	7.2
3714	Motor vehicle parts and accessories	6,844	19.1	3312	Blast furnace and steel mill products	8,861	19.4
3711	Motor vehicles and car bodies	6,388	9.0	3714	Motor vehicle parts and accessories	6,045	14.4
2911	Petroleum refinery products	5,957	3.0	3651	Radio and TV receiving sets	5,307	46.5
3533	Oil field machinery	5,130	45.7	3674	Semiconductors and related devices	4,101	23.6
3531	Construction machinery	4,856	41.4	3579	Office machines	3,411	44.8
3728	Aircraft equipment, n.e.c.[3]	4,401	38.8	2621	Paper mill products	3,240	13.3
2869	Industrial organic chemicals	4,387	14.5	3662	Radio and TV communication equip	2,821	7.8
3674	Semiconductors and related devices	3,041	23.0	3339	Primary nonferrous metals	2,746	54.3
3662	Radio and TV communication equip	2,771	8.3	2369	Outerwear	2,123	65.7
2819	Industrial inorganic chemicals	2,497	20.5	3861	Photographic equip. and supplies	2,107	11.0
2821	Plastic materials and resins	2,472	15.7	3915	Lapidary work	1,981	72.6
3861	Photographic equipment and supplies	2,390	14.0	2819	Industrial inorganic chemicals	1,896	13.5
3569	General industrial machinery	2,350	52.1	2421	Sawmill and planing mill products	1,770	14.9
3519	Internal combustion engines, n.e.c.[3]	2,345	25.4	2321	Shirts, nightwear (men's and boys)	1,707	32.9
3724	Aircraft engines and parts	2,308	16.9	2011	Meat products	1,638	3.5
3679	Electronic components, n.e.c.[3]	2,138	15.7	3944	Games, toys, children's vehicles	1,621	26.4
3079	Plastic products, miscellaneous	1,881	5.1	3569	General industrial machinery	1,527	25.3
2075	Soybean oil mill products	1,822	21.0	2611	Pulp mill products	1,493	32.3

[1] Standard Industrial Classification. [2] Imports are valued on a customs basis. Supply equals shipments plus imports. [3] Not elsewhere classified.

Source of tables 1350 and 1351: U.S. International Trade Administration, *1984 U.S. Industrial Outlook.*

No. 1352. Beverage Industry—Summary: 1970 to 1982

YEAR AND ITEM	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)	Flavoring, extracts, sirups
1970: Employees	1,000	228	57	2	9	21	129	11
Payroll	Mil. dol	1,884	616	19	71	171	916	91
Value added by manufacture	Mil. dol	6,144	2,028	56	258	887	2,121	792
Value of shipments	Mil. dol	12,373	3,822	210	591	1,758	4,631	1,361
1975: Employees	1,000	204	47	2	11	16	117	11
Payroll	Mil. dol	2,418	726	24	131	198	1,210	129
Value added by manufacture	Mil. dol	8,110	2,008	122	500	1,056	3,321	1,103
Value of shipments	Mil. dol	20,396	5,641	591	1,197	2,004	8,602	2,361
1980: Employees	1,000	199	43	2	11	14	118	11
Payroll	Mil. dol	3,646	1,122	40	191	253	1,850	191
Value added by manufacture	Mil. dol	13,708	3,639	162	811	1,849	5,348	1,898
Value of shipments	Mil. dol	33,041	9,362	680	2,189	3,389	13,909	3,513
1981: Employees	1,000	199	44	2	11	14	117	11
Payroll	Mil. dol	3,940	1,247	44	206	264	1,972	206
Value added by manufacture	Mil. dol	14,855	3,842	192	888	1,765	6,075	2,094
Value of shipments	Mil. dol	36,075	10,179	743	2,408	3,605	15,286	3,855
1982: [1] Employees	1,000	195	43	2	12	12	114	12
Payroll	Mil. dol	4,237	1,308	43	245	257	2,146	238
Value of shipments	Mil. dol	38,786	11,195	662	2,783	3,072	16,836	4,236

[1] Preliminary. Value added by manufacture not available.

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

No. 1353. Alcoholic Beverages—Summary: 1970 to 1984

[For years ending **June 30** except, beginning **1977**, ending **Sept. 30.** 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	1975	1977	1978	1979	1980	1981	1982	1983	1984
Beer: Breweries operated	Number	154	117	95	89	86	86	92	82	92	96
Production	Mil. bbl.[1]	135	158	170	176	184	193	195	194	196	93
Imports (incl. ale, etc.) [2]	Mil. bbl.[1]	(NA)	1.7	2.6	3.1	4.1	4.6	5.2	5.8	6.3	7.2
Value of shipments (SIC 2082) [3]	Mil. dol	3,822	5,641	6,653	7,539	8,353	9,362	10,179	[4] 11,195	(NA)	(NA)
Tax-paid withdrawals	Mil. bbl. [1]	123	147	156	160	167	172	177	176	178	176
Stocks on hand, June 30	Mil. bbl. [1]	15	14	14	14	14	15	14	14	15	14
Per capita consumption [5]	Gallons	28.6	32.8	32.3	33.1	34.0	34.9	35.6	33.4	33.0	32.8
Of domestic output	Gallons	28.4	32.4	31.8	32.4	33.1	34.0	34.5	32.0	31.7	31.5
Distilled spirits:											
Production facilities operated	Number	140	115	96	101	135	143	114	121	121	112
Warehouses operated	Number	274	241	222	220	210	200	198	202	193	202
Production, total [6]	Mil. tax gal.[7]	355	278	225	268	246	236	259	217	181	134
Whisky	Mil. tax gal.[7]	160	50	82	71	104	87	90	96	80	77
Imports [2]	Mil. tax gal.[7]	90.9	113.5	113.1	128.6	123.6	90.7	117.9	106.0	116.4	117.7
Tax-paid withdrawals, total [8]	Mil. tax gal.[7]	256	295	296	321	318	330	321	312	306	301
Whisky	Mil. tax gal.[7]	112	137	126	136	125	42	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total [6]	Mil. tax gal.[7]	1,091	836	726	670	659	696	691	654	640	636
Whisky	Mil. tax gal.[7]	960	780	668	611	596	566	544	540	523	490
Bottled for consumption, total	Mil. wine gal.[9]	312	357	361	390	379	392	388	375	377	367
Whisky	Mil. wine gal.[9]	192	182	166	170	166	165	162	153	154	141
Per capita [5]	Wine gal.[9]	2.61	2.49	2.67	2.78	2.70	2.90	2.84	2.62	2.71	2.83
Of domestic output	Wine gal.[9]	1.91	1.75	1.93	2.02	1.96	2.00	2.02	1.80	1.79	1.80
Still wines: Production [10]	Mil. wine gal.[9]	713	782	771	731	739	982	901	546	813	691
Imports [2]	Mil. wine gal.[9]	22.1	40.3	56.4	61.3	81.0	90.7	101.1	107.5	58.6	58.8
Tax-paid withdrawals [11]	Mil. wine gal.[9]	204	287	306	313	326	340	363	365	367	376
Stocks on hand, June 30 [12]	Mil. wine gal.[9]	207	325	392	431	485	486	602	519	596	565
Per capita [5]	Wine gal.[9]	1.70	2.20	2.45	2.54	2.60	2.65	2.68	2.81	2.82	2.83
Of domestic output	Wine gal.[9]	1.52	1.96	2.35	2.01	2.02	2.02	2.02	2.14	2.10	2.08
Effervescent wines: [13]											
Production	Mil. wine gal.[9]	20.0	18.0	21.2	23.8	24.4	26.8	31.2	30.6	36.6	34.3
Imports [2]	Mil. wine gal.[9]	2.0	2.1	3.3	4.9	5.0	5.2	7.9	8.7	11.4	15.7
Tax-paid withdrawals	Mil. wine gal.[9]	17.1	17.6	20.3	21.2	22.1	24.1	27.0	26.5	31.7	31.4
Stocks on hand, June 30	Mil. wine gal.[9]	8.1	9.0	10.4	11.4	12.1	11.9	14.4	17.6	21.5	20.1
Per capita [5]	Wine gal.[9]	.15	.13	.16	.15	.15	.17	.19	.22	.22	.21
Of domestic output	Wine gal.[9]	.13	.12	.14	.13	.12	.12	.14	.17	.17	.17

NA Not available. [1] Barrels of 31 wine gallons (see footnote 8). [2] Source: U.S. Bureau of the Census, *Imports for Consumption, General Imports,* FT 246. [3] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982,* and *Annual Survey of Manufactures.* [4] Preliminary. [5] Source: U.S. Dept. of Commerce, International Trade Administration. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [6] Excludes alcohol produced for industrial use. [7] 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 9.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F, containing 50 percent of ethyl alcohol by volume. [8] Includes ethyl alcohol. [9] A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches. [10] Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced; 1977, 347 million gal.; 1978, 258 mil. gal.; 1979, 259 mil. gal.; 1980, 184 mil. gal.; 1981, 264 mil. gal.; and 1982, 136 mil. gal.; and 1983, 223 mil. gal. and 1984, 169 mil. gal. [11] Includes special natural wines. [12] Excludes distilling materials. [13] 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. 1354. Food Manufacturing Industry—Summary: 1970 to 1984

[Covers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, p. 388]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Total employees [1]	1,000	1,786	1,658	1,711	1,724	1,733	1,708	1,671	1,636	1,615	1,619
Production workers	1,000	1,207	1,120	1,161	1,174	1,191	1,175	1,150	1,126	1,114	1,124
Avg. hourly earnings, prod. workers	Dollars	3.16	4.61	5.37	5.80	6.27	6.85	7.44	7.92	8.19	8.38
Salaries and wages	Bil. dol.	11.7	15.9	18.5	20.3	21.7	23.2	24.7	[2] 26.1	(NA)	(NA)
Value added by manufacture [3]	Bil. dol.	32.3	48.1	56.1	62.9	68.7	75.5	80.8	(NA)	(NA)	(NA)
Value of shipments [4]	Bil. dol.	98.5	172.2	192.9	216.1	236.0	256.2	272.1	[2] 281.0	(NA)	(NA)
Total assets	Bil. dol.	23.8	33.0	38.4	41.7	44.6	48.6	48.8	(NA)	(NA)	(NA)
Capital expenditures, new [5]	Bil. dol.	2.1	3.4	4.2	4.8	5.0	5.8	6.0	[2] 6.8	(NA)	(NA)
Corporate profits before taxes [6]	Bil. dol.	4.8	8.8	9.2	10.2	11.5	13.0	14.3	13.3	14.8	15.5
Corporate profits after taxes [6]	Bil. dol.	2.6	5.2	5.6	6.2	7.3	8.2	9.1	8.4	9.4	9.8
Ratio of profits to stockholders' equity	Percent	10.8	14.4	13.3	13.8	14.7	14.7	14.0	13.0	12.2	13.3
Profits per dollar of sales [7]	Cents	2.5	3.2	3.1	3.2	3.3	3.4	3.2	3.1	3.3	3.3

NA Not available. [1] See headnote, table 700. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. [2] Preliminary. [3] See footnote [7], table 1334. [4] See footnote [6], table 1334. [5] Includes expenditures for plants in operation and plants under construction but not yet in operation. [6] Source: Through 1981, U.S. Federal Trade Commission, thereafter U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. [7] After tax profit rates are averages of quarterly figures at annual rates.

Source: Except as noted, U.S. Bureau of the Census, *Census of Manufactures, 1977, General Summary; 1982 Census of Manufactures, Preliminary Statistics*; and *Annual Survey of Manufactures*.

No. 1355. Tobacco Manufactures Industry—Summary: 1972 to 1982

[**In millions of dollars, except as indicated.** Represents Standard Industrial Classification Code 21. Includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

ITEM	1972 Census	1977 Census	1978 ASM	1979 ASM	1980 ASM	1981 ASM	1982 Census
All employees:							
Number (1,000)	66.3	60.6	59.1	58.6	58.0	61.1	57.9
Payroll	502	751	813	906	1,045	1,219	1,324
Value added by manufacture	2,637	4,334	4,607	5,343	6,148	6,430	8,965
Cost of materials	3,281	4,730	5,375	5,240	6,091	6,691	7,099
Value of shipments	5,920	9,051	9,951	10,601	12,195	13,130	16,061
New capital expenditures	133	182	254	237	367	726	697

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

No. 1356. Tobacco Products—Production and Consumption: 1970 to 1984

[Production data are for years ending **June 30**. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241]

ITEM	Unit	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production:													
Cigarettes [1]	Billions	562	652	627	688	673	688	707	702	744	711	668	657
Cigars [1]	Billions	8.0	8.7	8.3	6.7	5.8	5.6	5.1	4.9	5.0	4.5	4.3	4.5
Tobacco [2]	Mil. lb	164	152	155	153	155	156	156	163	162	160	159	(NA)
Per capita consumption: [3]													
All products	Lb.[4]	9.6	9.4	9.1	8.7	8.5	8.1	8.3	8.0	7.6	7.5	7.2	7.1
Cigarettes	1,000	4.0	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.5	3.4
Cigars [5]	Number	60	44	39	36	33	30	27	25	23	22	22	21
Tobacco [2]	Lb.[4]	.83	.75	.72	.73	.70	.68	.69	.69	.64	.65	.64	(NA)

NA Not available. [1] Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual. [2] Smoking and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. [3] Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. [4] Unstemmed processing weight equivalent. [5] Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

No. 1357. Mill Consumption of Natural Fibers: 1965 to 1984

[**In million of pounds.** See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1965	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984 [1]
Cotton, total [2]	4,522	3,854	3,309	3,027	3,414	3,170	3,041	3,077	3,036	2,715	2,488	2,808	2,681
Wool, total [3]	387	240	94	110	122	108	115	117	123	139	116	138	140
Flax, total	8	6	7	3	4	3	4	5	2	4	8	5	7
Silk, total	6	2	3	1	3	2	2	2	1	2	2	2	1

[1] Preliminary. [2] Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 15 pounds deducted in 1965, 20 pounds thereafter. [3] Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation*, April 1985.

No. 1358. Cotton, Wool, and Manmade Fibers—Quantity and Distribution in Selected Consumer Products: 1980 to 1983

[Represents products manufactured by U.S. mills]

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:											
1980	12,111	3,125	25.8	169	1.4	8,817	72.8	748	6.2	8,069	66.6
1981	11,855	2,909	24.5	194	1.7	8,752	73.8	724	6.1	8,028	67.7
1982	10,484	2,672	25.5	169	1.6	7,643	72.9	529	5.1	7,114	67.8
1983	12,461	2,986	24.0	204	1.6	9,271	74.4	576	4.6	8,695	69.8
Apparel:											
1980	4,726	1,652	35.0	125	2.6	2,951	62.4	298	6.3	2,653	56.1
1981	4,495	1,595	35.5	148	3.3	2,752	61.2	309	6.9	2,443	54.3
1982	4,031	1,511	37.5	127	3.1	2,393	59.4	211	5.3	2,182	54.1
1983	*4,649*	*1,742*	*37.5*	*153*	*3.3*	*2,754*	*59.2*	*229*	*4.9*	*2,525*	*54.3*
Home furnishings:											
1980	3,656	802	22.0	26	.7	2,828	77.3	170	4.6	2,658	72.7
1981	3,522	744	21.1	29	.9	2,749	78.0	156	4.4	2,593	73.6
1982	3,145	677	21.5	26	.9	2,442	77.6	104	3.3	2,338	74.3
1983	3,914	776	19.8	32	.8	3,106	79.4	134	3.5	2,972	75.9
Industrial:[3]											
1980	3,109	412	13.2	11	.3	2,686	86.5	249	8.0	2,437	78.5
1981	3,348	404	12.1	12	.3	2,932	87.6	231	6.9	2,701	80.7
1982	2,972	369	12.4	10	.4	2,593	87.2	195	6.5	2,398	80.7
1983	3,618	377	10.4	14	.4	3,227	89.2	196	5.4	3,031	83.8

[1] Rayon and acetate. [2] Nylon, polyester, acrylic, olefin, saran, spandex, and textile glass. [3] Includes consumer-type products.

No. 1359. Filament Yarn and Staple and Tow Shipments and Trade: 1980 to 1983

[In millions of pounds]

Shipments	1980	1982	1983	Trade	1980	1982	1983
Filament yarn, total	**3,763.2**	**3,046.4**	**3,582.8**	**Exports, total**	**617.5**	**336.2**	**279.6**
Acetate	269.2	169.0	197.6	Man-made fibers	351.8	215.0	183.9
Nylon	1,538.9	1,165.6	1,392.4	Cellulosic	30.8	18.6	17.0
Polyester	1,363.4	1,134.8	1,294.4	Yarn	20.0	11.7	11.0
Olefin	611.7	577.0	698.6	Staple	10.8	6.9	6.0
				Noncellulosic	321.0	196.4	166.9
Staple and tow, total [1]	**3,873.2**	**3,331.3**	**4,005.4**	Yarn	141.0	82.5	70.0
Rayon	390.7	293.7	333.5	Staple	180.0	113.9	96.9
Nylon	711.2	673.3	897.1	Cotton	259.3	114.9	90.6
Acrylic and modacrylic	585.3	457.9	492.2	Wool	6.4	6.3	5.1
Polyester	2,071.0	1,767.5	2,099.2	**Imports, total**	**214.6**	**291.5**	**434.6**

[1] Includes items not shown separately.

Source of tables 1358 and 1359: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

No. 1360. U.S. Imports and Exports of Textiles and Apparel Products: 1980 to 1984

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

Product	1980	1983	1984	Product	1980	1983	1984
Exports	**4,458**	**2,926**	**2,601**	**Imports**	**8,139**	**11,735**	**15,315**
Textile mill products	3,457	2,255	1,956	Textile mill products	2,372	3,086	3,241
Yarn and thread	642	479	471	Yarn and thread	168	301	482
Cotton broad woven fabric	546	189	174	Cotton broad woven fabric	433	560	878
Other broad woven and knit fabric	809	467	455	Other broad woven and knit fabric	784	992	702
Narrow fabric	106	117	61	Narrow fabric	43	63	565
Special fabric	709	517	363	Special fabric	299	303	26
Made-up articles	318	216	212	Made-up articles	362	535	84
Textile floor coverings	327	270	220	Textile floor coverings	283	332	504
				Apparel	5,767	8,649	12,074
Apparel	1,001	671	645	**Trade balance**	**–3,681**	**–8,809**	**–2,714**

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

No. 1361. Male and Female Clothing—Production: 1970 to 1983

[See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	Unit	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
MALE CLOTHING												
Men's suits [1]	Mil. units	17.7	16.8	13.7	15.7	17.3	17.5	17.0	14.6	13.9	11.6	11.2
Boys' suits [2]	Mil. units	4.7	2.9	2.5	2.7	3.6	4.7	4.5	3.4	3.9	3.5	3.0
Separate trousers (men's)	Mil. units	173.6	156.6	118.9	127.0	128.8	122.7	125.6	125.1	118.2	115.1	112.7
Separate coats [3]	Mil. units	16.1	21.1	13.1	14.7	17.8	16.1	18.3	17.9	18.3	20.0	21.4
Woven shirts, men's [4]	Mil. doz	20.8	20.4	17.4	17.2	18.2	15.0	14.9	13.1	13.1	11.6	10.8
Casual slacks	Mil. units	123.6	207.6	153.3	256.7	287.5	99.5	87.2	89.0	71.3	60.9	57.4
Jeans	Mil. units						191.0	225.5	242.7	214.5	140.8	219.3
Work shirts (incl. flannels)	Mil. doz	4.1	3.4	2.9	3.4	4.0	3.8	3.8	3.6	3.3	3.0	3.0
FEMALE CLOTHING												
Blouses	Mil. doz	13.3	17.2	18.3	19.7	24.7	25.6	27.5	25.6	26.2	28.7	30.9
Dresses	Mil. units	251	190	174	163	193	190	183	176	163	172	167
Suits [5]	Mil. units	8.8	7.8	9.0	33.6	36.5	32.1	24.9	17.6	13.3	13.8	13.0
Slacks	Mil. doz	9.4	18.6	18.3	18.3	18.6	12.4	18.6	18.4	19.8	14.1	14.8
Jeans	Mil. doz						4.4	5.5	5.7	8.2	6.8	7.9
Skirts	Mil. doz	6.9	4.4	4.3	4.7	5.4	5.8	5.6	5.8	8.2	8.7	8.6
Untrimmed coats	Mil. units	17.0	20.5	18.4	19.7	19.0	18.9	18.4	17.0	14.5	12.4	12.7
Fur-trimmed coats	Mil. units	4.7										
Knit outerwear: Sweaters	Mil. doz	5.3	6.3	6.6	6.1	6.6	5.9	4.9	4.1	6.8	6.0	6.1
Sport shirts	Mil. doz	4.0	7.4	7.8	8.4	11.7	11.0	10.7	10.0	8.6	12.2	9.6

[1] Beginning 1975, excludes leisure suits. [2] Includes uniform suits and coats. [3] Includes men's and boys' coats. Beginning 1975, excludes leisure coats. [4] Includes knit and woven dress and woven sport. [5] Beginning 1977, includes pant suits.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23E, MA-23F, and MA-23G.

No. 1362. Nonrubber Footwear—Summary: 1965 to 1983

[In millions of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Apparent consumption	**711.3**	**801.7**	**727.9**	**786.3**	**745.7**	**787.7**	**832.9**	**745.1**	**729.8**	**829.7**	**917.0**
Production, shoes and slippers	626.2	562.3	413.1	422.5	391.1	418.9	398.4	396.9	372.0	359.1	344.3
Percent exported	.4	.4	1.1	1.4	1.3	1.7	2.3	1.6	2.6	2.2	2.3
Value (bil. dol.)	2.5	2.9	3.1	3.5	[1] 3.7	3.8	4.3	4.7	4.5	4.6	4.8
Shoes, sandals, playshoes (production) [2]	533.2	460.8	339.1	355.5	332.0	335.6	320.6	323.5	302.2	305.1	288.1
Men's, youths', boys'	143.8	143.5	121.2	128.1	116.8	116.8	103.8	102.5	98.5	89.1	89.6
Women's	280.0	230.2	154.1	155.9	145.0	145.4	145.9	143.1	135.1	142.5	131.2
Misses'	36.5	23.2	13.1	15.6	13.2	13.1	13.7	11.3	9.9	8.5	7.5
Children's	33.5	25.9	18.5	21.0	18.3	16.2	13.9	14.2	12.9	13.2	11.4
Infants' and babies'	32.5	29.0	24.2	24.9	22.7	23.2	22.8	23.7	23.6	25.4	23.4
Athletic shoes	7.0	9.0	7.9	10.1	16.0	20.9	20.5	24.4	17.8	19.9	19.1
Imports	87.6	241.5	319.4	369.8	360.0	375.7	443.6	403.5	369.0	479.5	580.2
Percent of total consumption	12.3	30.1	43.9	47.0	48.3	47.7	53.3	51.6	50.6	57.8	63.3

[1] Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*. [2] Beginning 1980, includes items not shown separately.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1363. Chemicals and Allied Products—Industry Summary: 1972 to 1982

[In millions of dollars, except as noted]

ITEM	1972	1974	1975	1976	1977	1978	1979	1980	1981	1982 [1]
Employment, total (1,000)	837	865	842	851	880	896	895	910	892	866
Salaries and wages	8,731	10,547	11,227	12,365	13,839	15,287	16,516	18,269	19,723	20,675
Production workers (1,000)	525	542	510	520	544	548	552	545	533	504
Average hourly earnings (dol.)	4.51	5.25	5.85	6.32	6.83	7.42	8.00	8.78	9.59	10.52
Work-hours (million)	1,054	1,085	1,001	1,032	1,090	1,099	1,106	1,080	1,067	995
Workers wages	4,754	5,697	5,858	6,518	7,446	8,156	8,850	9,483	10,230	10,464
Value added	32,414	44,488	44,976	51,408	56,721	61,506	70,356	74,384	80,032	67,860
Supplemental labor cost	1,350	1,872	2,094	2,430	2,892	3,316	3,750	4,160	4,675	5,020
Cost of materials	25,086	41,467	45,151	53,725	62,294	68,352	78,292	89,332	102,329	91,966
Value of shipments [2]	57,350	83,801	89,721	104,139	118,154	129,357	147,674	162,517	180,459	170,085
New capital expenditures	2,728	4,957	6,353	7,122	8,199	7,919	7,976	8,770	9,471	9,080
Inventories	7,107	11,672	12,073	13,214	14,324	15,736	17,323	19,622	21,987	23,833
Assets, total	38,812	44,671	50,565	56,230	65,300	71,712	76,148	82,112	88,769	95,096
Rents, total	293	390	453	487	513	531	542	597	659	644
Export value	4,172	8,833	8,612	9,831	10,654	12,626	17,466	21,095	21,659	20,021
Import value	1,748	3,196	3,099	3,786	4,412	5,593	6,050	7,003	7,871	7,655
Ratio of:										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments	.61	.64	.65	.66	.67	.67	.67	.69	.70	.69
Cost of materials to value of shipments	.44	.49	.50	.52	.53	.53	.53	.55	.57	.54
Value added to value of shipments	.57	.54	.50	.49	.49	.48	.48	.46	.44	.40
Value added to work-hours	30.8	41.0	44.9	49.8	52.0	56.0	63.6	68.9	75.0	68.2

[1] Estimated. [2] Value of products and services sold by 28 group industries.

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

No. 1364. Chemicals—Production, by Kind: 1982 and 1983

[**In thousands of short tons, except as indicated.** Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and by Government-owned privately operated plants. See *Historical Statistics, Colonial Times to 1970*, series P 248, 249, and 251, for sodium hydroxide, ammonia (anhydrous), and sulfuric acid, respectively]

CHEMICAL	1982	1983	CHEMICAL	1982	1983
Acetylene [1] (mil. cu. ft.)	3,824	3,737	Nitric acid (100% HNO_3)	7,390	6,768
Aluminum sulfate (17% Al_2O_3) [2]	1,154	1,103	Nitrogen (100%) (bil. cu. ft.)	483	560
Iron free	77	90	Nitrogen solutions (100% N) (bil. cu. ft.)	*2,786*	*2,198*
Ammonia, synthetic anhydrous	15,807	14,077	Oxygen (bil. cu. ft.)	349	343
Ammonium nitrate, original solution (100% NH_4NO_3)	7,091	6,240	Phosphoric acid (100% P_2O_5)	8,253	9,767
Ammonium sulfate, synthetic (technical) [3]	1,768	1,956	Phosphorus (white and red)	361	366
Argon, refined (mil. cu. ft.)	7,368	8,284	Potassium hydroxide (88–92% KOH)	209	216
Calcium carbide (commercial)	193	205	Potassium pyrophosphate (100% $K_4P_2O_7$)	18	18
			Sodium bichromate and chromate	123	129
Calcium phosphate dibasic (100% $CaHPO_4$)	795	841	Sodium chlorate (100% $NaClO_3$)	291	310
Carbon, activated [4]	108	108	Sodium hydroxide (caustic soda) (100% NaOH)	9,385	10,039
Carbon dioxide (liquid, gas, and solid) [5]	2,987	3,210	Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) [6]	664	726
Chlorine, gas [6]	9,176	9,864	Sodium sulfate:		
Chrome, yellow and orange (C.P.)	20	22	High purity (more than 99% Na_2SO_4)	401	453
Chrome orange, molybdate (C.P.)	7	6	Glauber's salt (100% Na_2SO_4–$10H_2O$)	463	460
Hydrochloric acid (100% HCl)	2,450	2,420	Sulfuric acid gross [9] (mil. sh. tons)	33	37
Hydrofluoric acid, anhydrous and aqueous (100% HF)	136	192	Titanium dioxide [10] (100% TiO_2)	660	760
Hydrogen [7] (bil. cu. ft.)	88	100			
Hydrogen peroxide (100% by weight)	108	117			

[1] Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. [2] Commercial; includes quantities produced and consumed by municipalities. [3] Excludes byproduct coke-oven production. [4] *Includes data for decolorizing* and water purification grades only. [5] Excludes quantities produced and consumed in plants manufacturing soda ash or urea for gas only. [6] Total production, including quantities liquefied for use, storage, or shipment. [7] Excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g. vented, used as fuel, etc. Excludes amounts of hydrogen produced in petroleum refineries for captive use. [8] Excludes amounts produced and consumed in making meta-, ortho-, and sesquisilicates. [9] 100% H_2SO_4. Includes sulfuric acid of oleum grades. [10] Composite and pure.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA28A, MA28B, and MA28C.

No. 1365. Petroleum and Coal Products—Shipments and Inventories: 1977 to 1982

[**In millions of dollars.** See also table 1252]

ITEM AND PRODUCT	1977	1981	1982, prel.	ITEM AND PRODUCT	1977	1981	1982, prel.
Shipments, total	**93,947**	**216,383**	**201,035**	Petroleum refining [1]—Con.			
Petroleum refining [1]	88,590	207,555	192,125	Unfinished oils [2]	2,888	6,992	8,016
Gasoline	41,840	101,940	95,088	Asphalt	2,217	3,317	2,984
Jet fuel	5,359	14,802	15,412	Other petroleum products, and refinery products	4,870	11,738	8,452
Kerosene	893	1,704	1,887	Paving mixtures and blocks	1,519	2,278	2,832
Light fuel oil	17,509	37,436	37,303	Asphalt felts and coatings	1,829	2,764	2,644
Heavy oil	6,794	14,228	11,348	Lubricating oils [3]	1,514	2,897	2,725
Liquefied refinery gases	4,501	11,555	8,685	*Other*	495	889	709
Lubricating oils and greases	1,719	3,841	2,952	**Inventories, total** [4]	**5,656**	**10,563**	(NA)
				Petroleum refining	5,196	9,686	(NA)

NA Not available. [1] Petroleum refining by product class. [2] Includes lubricating oils base stock. [3] Includes greases not made in refining. [4] Includes lubricating oils and greases from purchased materials. Inventories as of end of reporting year.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, MC 77-1-29A; *Annual Survey of Manufactures;* and *1982 Census of Manufactures.*

No. 1366. Rubber—New Supply, Distribution, and Stocks: 1970 to 1983

[**In thousands of long tons.** Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic]

ITEM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
New supply	**3,042**	**3,547**	**3,285**	**2,826**	**3,332**	**2,557**	**3,772**	**3,816**	**3,137**	**3,147**	**2,649**	**2,688**
Domestic production [1]	2,398	2,768	2,492	2,077	2,496	2,600	2,830	2,889	2,294	2,277	1,861	2,027
Synthetic	2,197	2,566	2,358	1,958	2,387	2,481	2,705	2,764	2,209	2,190	1,788	1,953
Imports [2]	644	779	793	749	836	957	943	927	843	870	788	861
Natural	550	643	682	658	714	793	771	769	650	700	640	766
Exports [2]	**324**	**316**	**305**	**250**	**303**	**275**	**302**	**437**	**494**	**405**	**338**	**304**
Synthetic	299	295	284	226	281	252	284	416	472	389	325	289
Stocks, end of year [1]	**645**	**629**	**644**	**528**	**642**	**582**	**606**	**370**	**279**	**299**	**235**	**223**

[1] Includes reclaimed and synthetic. [2] Natural, synthetic and reclaimed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

No. 1367. Iron and Steel Industry—Summary: 1965 to 1983

[The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production. The user should recognize that many of these companies produce and sell products and services other than those related to the steel industry; therefore the financial data reported represents the total operations of the steel companies. Minus sign (–) indicates net loss]

ITEM	Unit	1965	1970	1975	1977	1978	1979	1980	1981	1982	1983
Steel mill products, apparent supply	Mil. tons [1]	100.6	97.1	89.0	108.4	116.6	115.0	95.2	105.4	76.4	83.5
Net shipments	Mil. tons [1]	92.7	90.8	80.0	91.1	97.9	100.3	83.9	88.5	61.6	67.6
Exports	Mil. tons [1]	2.5	7.1	3.0	2.0	2.4	2.8	4.1	2.9	1.8	1.2
Imports	Mil. tons [1]	10.4	13.4	12.0	19.3	21.1	17.5	15.5	19.9	16.7	17.1
Percent of total supply	Percent	10.3	13.8	13.5	17.8	18.1	15.2	16.3	18.9	21.8	20.5
Japan	Percent	(NA)	(NA)	6.6	7.2	5.6	5.5	6.3	5.9	6.8	5.1
EEC [2]	Percent	(NA)	(NA)	4.6	6.3	6.4	4.7	4.1	6.1	7.3	4.9
Canada	Percent	(NA)	(NA)	1.1	1.7	2.0	2.0	2.5	2.7	2.4	2.9
Scrap consumed	Mil. tons [1]	69.8	69.3	62.8	69.3	76.3	77.2	66.6	68.3	43.7	48.0
Scrap produced	Mil. tons [1]	46.7	46.4	40.1	42.4	44.8	45.4	36.9	38.4	23.5	23.6
Scrap inventory	Mil. tons [1]	6.0	6.5	7.6	7.7	6.9	7.4	6.9	7.1	5.5	5.0
Iron and steel products: Exports	Mil. tons [1]	3.1	8.1	4.1	3.2	3.5	3.8	5.1	3.8	2.6	1.8
Imports	Mil. tons [1]	12.0	14.6	13.9	21.7	24.1	20.3	17.9	22.6	18.8	19.3
Revenue	Bil. dol.	18.0	19.3	33.7	39.7	49.5	55.7	53.8	61.5	53.3	49.2
Net income	Bil. dol.	1.1	.5	1.6	(Z)	1.2	1.2	1.7	2.6	–3.2	–3.6
Stockholders' equity [3]	Bil. dol.	12.0	13.0	16.2	18.0	17.6	17.7	18.1	19.5	21.4	18.1
Total assets	Bil. dol.	18.8	23.6	30.4	35.4	38.4	40.2	43.7	47.1	49.7	49.0
Net fixed assets	Bil. dol.	10.0	14.1	16.9	19.7	20.3	21.3	22.4	22.9	29.8	29.8
Capital expenditures	Bil. dol.	1.8	1.7	3.2	2.9	2.5	3.3	3.4	3.4	4.2	3.2
Working capital ratio [4]	Ratio	2.4	1.9	2.0	1.8	1.8	1.7	1.7	1.8	1.5	1.4
Inventories	Bil. dol.	3.2	1.1	5.4	5.9	6.5	6.9	6.8	8.0	8.1	8.0
Average employment	1,000	584	531	457	452	449	453	399	391	289	243
Hours worked	Million	1,421	1,220	855	876	892	894	758	753	526	475
Index of output all employees [5]	1977=100	87	88	93	100	108	107	103	112	91	119
Capacity by steelmaking process	Mil. net tons	(NA)	(NA)	153.1	160.0	157.9	155.3	153.7	154.3	154.0	150.6
Producer price indexes: [6]											
Iron and steel, total	1967=100	97.9	115.1	200.9	230.4	253.6	283.5	305.2	333.8	339.0	343.4
Steel mill products	1967=100	97.5	114.2	197.2	229.9	254.5	280.4	302.7	337.6	349.5	352.8
Blast and electric furnace products	1967=100	100.3	114.8	264.7	257.1	260.0	296.7	307.4	316.2	316.6	309.3
Iron ore	1967=100	100.7	100.1	154.3	186.1	194.9	216.7	244.8	268.4	278.7	282.1
Scrap, iron and steel	1967=100	112.6	138.8	245.6	231.2	264.6	341.9	328.1	327.4	232.9	250.1
Foundry and forge shop products	1967=100	94.6	112.1	194.3	230.5	249.5	277.1	310.0	329.8	345.5	351.1

NA Not available. Z Less than $50 million. [1] In millions of short tons. [2] European Economic Community; includes Belgium, Denmark, France, Fed. Rep. of Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom. [3] 1965 and 1970, as of December 31; thereafter, as of January 1. [4] Current assets to current liabilities. [5] Index of output per employee hour. [6] 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. 1368. Mill and Foundry Products—Shipments: 1970 to 1984

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984, prel.
Ferrous castings (1,000 sh. tons): [1]									
Gray iron castings [2 3 4]	13,945	13,328	16,124	15,402	11,799	11,801	8,215	9,247	10,615
Pressure pipe and fittings	1,691	1,380	1,690	1,546	1,396	1,249	1,100	1,268	1,535
Soil pipe and fittings	953	449	512	482	375	410	353	368	384
All other	11,301	11,499	13,922	13,374	10,028	10,142	6,762	6,049	7,143
Malleable iron castings [2]	852	770	790	715	450	422	284	291	359
For sale	521	484	455	376	206	200	119	98	157
For own use	331	286	335	339	244	222	166	193	202
Standard malleable	628	534	542	496	312	291	191	191	246
Pearlitic malleable	224	236	248	219	138	129	94	100	113
Steel castings [2 3]	1,724	2,026	1,857	2,039	1,878	1,743	1,017	729	962
Carbon	1,147	1,758	1,675	1,342	1,225	1,102	609	420	589
Alloy	577	268	182	697	653	641	408	309	373
Nonferrous castings (1,000 sh. tons): [2 3]									
Copper and copper-base alloy	440	350	372	396	296	290	228	276	313
Aluminum and aluminum-base alloy	771	728	1,143	1,151	845	910	803	911	915
Zinc and zinc-base alloy	398	356	380	332	243	235	203	258	283
Magnesium and magnesium-base alloy	18	19	25	14	13	11	9	12	2
Lead and lead-base alloy die [5]	28	21	23	22	23	19	19	25	26
Copper-based products (mil. lb.)	**5,769**	**4,827**	**6,429**	**6,883**	**5,889**	**6,097**	**4,897**	**4,985**	**5,480**
Brass mill products	2,513	2,025	2,712	2,976	2,467	2,622	2,014	2,116	2,717
Alloyed [6]	1,542	1,324	1,750	1,869	1,508	1,695	1,247	1,245	1,658
Unalloyed	971	701	962	1,107	959	927	767	876	1,056
Copper wire mill products [7]	2,329	2,056	2,911	3,048	2,783	2,847	2,393	2,285	2,138
Brass and bronze foundry products	880	700	743	793	592	581	456	552	625
Aluminum mill products (mil. lb.) [8]	**7,358**	**7,427**	**11,346**	**11,241**	**10,485**	**10,329**	**9,116**	**10,624**	**11,065**
Plate, sheet, and foil	4,247	4,664	7,285	7,205	6,692	6,829	6,060	7,171	7,206
Extruded shapes and tubing	1,823	1,643	2,509	2,426	2,329	2,104	1,961	1,980	2,248
Rolled structural shapes, rod, bar, cable [9]	963	924	1,280	1,337	1,213	1,150	862	936	1,010
Powder, flake and paste	205	99	136	126	117	108	80	79	99
Forgings and impacts	120	97	136	147	134	139	[10] 152	173	204

[1] Based on a sample of foundries. [2] Beginning 1975, data not strictly comparable with 1970. [3] Includes shipments "for own use." [4] Includes ductile (nodular) iron castings. [5] Excludes lead die castings for battery plates and parts. [6] Excludes webbing scrap (military ammunition cups and discs). [7] Copper content. [8] Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products. [9] Includes wire. [10] Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2, M33A, M33E, and U.S. Bureau of the Census and U.S. International Trade Commission, *Current Industrial Reports*, series ITA-9008, annual.

No. 1369. Raw Steel, Pig Iron and Ferroalloys Production: 1970 to 1984

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

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
RAW STEEL (net tons)												
World production	654.2	782.8	712.0	745.6	741.8	790.6	824.5	790.4	779.4	710.7	730.9	782.2
U.S. production	131.5	145.7	116.6	128.0	125.3	137.0	136.3	111.8	120.8	74.6	84.6	92.5
Percent of world	20.1	18.6	16.4	17.2	16.9	17.3	16.5	14.2	15.5	10.5	11.6	11.8
Basic oxygen process	63.3	81.6	71.8	79.9	77.4	83.5	83.3	67.6	73.2	45.3	52.1	52.8
Electric	20.2	28.7	22.7	24.6	27.9	32.2	33.9	31.2	34.1	23.2	26.6	31.4
Open hearth	48.0	35.5	22.2	23.5	20.0	21.3	19.1	13.0	13.5	6.1	5.9	8.3
Carbon	117.4	126.6	100.4	112.0	108.1	116.9	118.2	94.7	101.5	64.1	73.8	79.9
Alloy and stainless	14.1	19.1	16.3	16.0	17.2	20.1	20.1	17.1	19.3	10.5	10.8	12.6
PIG IRON AND FERROALLOYS (sh. ton)												
Total production [1]	**93.5**	**95.9**	**79.9**	**86.9**	**81.3**	**87.7**	**87.0**	**68.7**	**73.6**	**43.3**	**48.7**	**51.9**
Basic	86.4	91.2	75.9	82.9	78.2	84.5	84.0	67.0	71.2	42.6	48.1	51.1
All other	7.1	4.7	4.0	4.0	3.1	3.2	3.0	1.7	2.4	1.2	.6	.8

[1] Beginning 1974, includes blast furnace ferroalloys.

No. 1370. Steel Products—Net Shipments, by Market Classes: 1970 to 1984

[**In thousands of short tons.** Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1970	1975	1978	1979	1980	1981	1982	1983	1984
Total [1]	**90,798**	**79,957**	**97,935**	**100,262**	**83,853**	**88,450**	**61,567**	**67,583**	**73,739**
Automotive	14,475	15,214	21,253	18,621	12,124	13,154	9,288	12,320	12,882
Steel service centers, distributors	16,025	12,700	17,333	18,246	16,172	17,637	13,067	16,710	18,364
Construction, incl. maintenance	8,913	8,119	9,612	9,978	8,742	8,446	6,283	7,271	7,522
Containers, packaging, shipping	7,775	6,053	6,595	6,772	5,551	5,292	4,470	4,532	4,352
Machinery, industrial equipment, tools	5,169	5,173	5,992	5,996	4,543	4,624	2,584	2,484	2,886
Steel for converting and processing	3,443	3,255	4,612	5,058	4,117	5,058	3,222	4,403	5,136
Rail transportation	3,098	3,152	3,549	4,111	3,155	2,162	1,020	937	1,438
Contractors' products	4,440	3,927	3,480	3,745	3,148	3,230	2,287	2,703	2,631
Oil and gas industries	3,550	4,171	4,140	3,739	5,371	6,238	2,745	1,296	2,003
Electrical equipment	2,694	2,173	2,811	2,819	2,441	2,600	2,003	2,337	2,365
Appliances, utensils, and cutlery	2,160	1,653	2,094	2,140	1,725	1,775	1,337	1,618	1,635
Other domestic commercial equipment	1,778	1,390	1,889	2,073	1,701	1,622	1,247	1,363	1,339
Agricultural, incl. machinery	1,126	1,429	1,805	1,971	1,240	1,229	944	699	673
Independent forgers, n.e.c.	1,048	1,098	1,192	1,254	933	1,035	579	573	775
Shipbuilding and marine equipment	859	1,413	845	924	1,201	1,101	399	471	471

[1] Total includes market classes not shown and nonclassified shipments.

Source of tables 1369 and 1370: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

No. 1371. Machine Tool Orders and Shipments: 1965 to 1984

[**In millions of dollars.** These data represent total industry volume based on reports from members of the National Machine Tool Builders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

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	
1965	1,252	1,123	1,023	886	899	442	410	403	363	412
1966	1,630	1,483	1,222	1,098	1,307	446	401	463	437	394
1967	1,135	1,025	1,353	1,211	1,089	287	248	453	407	228
1968	1,079	960	1,358	1,238	810	395	361	369	324	255
1969	1,195	1,033	1,192	1,077	812	533	484	405	369	383
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	827	702	403	368	304	267	261
1973	1,825	1,550	1,074	935	1,454	787	717	427	388	621
1974	2,017	1,716	1,446	1,241	2,025	566	406	585	522	521
1975	916	781	1,879	1,548	1,062	361	213	573	485	219
1976	1,662	1,477	1,482	1,270	1,242	541	509	578	474	209
1977	2,202	1,981	1,651	1,470	1,794	793	731	630	560	384
1978	3,373	3,043	2,189	1,960	2,981	973	897	825	729	518
1979	4,495	3,866	2,930	2,606	4,546	1,126	920	947	860	619
1980	3,885	3,496	3,681	3,206	4,750	870	665	1,011	879	385
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

Source: National Machine Tool Builders Association, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business Statistics, 1979*, for 1965–1978; thereafter, *Survey of Current Business*, monthly.

No. 1372. Machine Tools Industry—Summary: 1977 to 1983

[In millions of dollars, except as noted. Included in SIC 3541 and 3542]

ITEM	METAL CUTTING					METAL FORMING				
	1977	1979	1981	1982	1983	1977	1979	1981	1982	1983
Employment, total (1,000)	59.4	69.1	74.3	58.3	43.0	23.7	27.0	24.0	19.5	15.3
Salaries and wages	949.0	1,304.1	1,633.0	1,335.0	997.1	360.7	485.6	496.8	438.1	357.0
Production workers (1,000)	37.2	45.7	47.9	33.9	24.5	16.1	18.7	16.0	12.1	9.6
Work-hours (million)	76.3	95.9	98.5	63.6	45.9	32.8	37.5	30.8	23.2	17.8
Workers wages	540.7	786.9	964.1	709.2	512.1	219.4	305.1	294.9	245.3	196.0
Value added	1,866.1	2,833.8	3,739.9	2,516.2	1,612.7	721.9	1,004.0	976.5	777.8	629.6
Supplemental labor cost	191.4	288.4	355.9	329.2	275.5	73.5	104.1	113.3	113.1	176.0
Cost of materials	1,047.7	1,736.9	2,181.3	1,598.3	1,100.0	444.0	687.0	662.7	574.6	454.9
Shipments, value [1]	2,812.7	4,389.0	5,865.3	4,411.5	2,880.9	1,130.6	1,663.5	1,615.7	1,428.7	1,142.3
New capital expenditures	80.4	147.6	233.2	157.7	104.8	24.7	58.1	63.0	43.4	28.1
Inventories	877.9	1,242.2	1,485.5	1,435.5	1,281.6	359.6	447.0	479.7	511.5	431.6
Assets, total	1,034.6	1,333.1	1,626.9	1,687.4	1,677.2	443.3	566.2	636.0	741.6	639.1
Rents, total	19.8	22.6	30.6	30.9	24.4	7.6	9.2	9.6	9.3	7.6
Exports, value	317.7	550.3	978.9	654.1	435.1	207.1	343.3	471.4	371.9	261.7
Imports, value	383.3	984.6	1,497.9	1,271.3	839.3	93.0	236.4	224.3	228.5	253.9

[1] See footnote 7, table 1334.

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

No. 1373. Robots, Accessories, and Components—Shipments, Units, and Value: 1984

[Based on a survey of all known manufacturers of robots, robot accessories, and components. Approximately 75 companies reported shipments in 1984. 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 multi-functional manipulator designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks. Robots are presently classified in the Standard Industrial Classification (SIC) based on their primary industrial function]

ITEM	Number of units shipped	Value of shipments ($1,000)
Robots, robot accessories, and components	(x)	357,744
Robots, complete	5,535	306,746
Servo-controlled robots	3,690	287,928
Point-to-point type:		
Welding, soldering, brazing, and/or cutting (welding type)	1,139	102,391
Foundry, forging, and/or heat treating [1]	20	1,851
Machine tool loading and/or unloading	202	10,870
Assembly for non-electronic and electronic products	613	29,155
Material handling and/or parts transfer, n.e.c.[2]	470	34,362
Other point-to-point type, n.e.c.[2]	86	4,384
Continuous-path type:		
Welding, soldering, brazing, and/or cutting (welding type)	335	21,827
Spraying, painting, gluing, and/or sealing	450	58,795
Continuous—path type—con.		
Fettling, grinding, polishing, and/or deburring [3]	375	24,293
Nonservo-controlled robots	541	15,525
Other robots	1,304	3,293
Robot accessories, subassemblies, components, and parts, sold separately	(x)	50,998
End-of-arm tooling for robots	(x)	1,280
Vision, sonic, force, tactile, and proximity sensors	(x)	15,182
Interface modules	(x)	2,239
Compliance devices [4]	(x)	8,526
Robot accessories, subassemblies, components, and parts, n.e.c.[2]	(x)	23,771
Miscellaneous receipts:		
Research and development, testing, and evaluation of systems and components (receipts and billings, not reported as shipments of specific products)	(x)	14,434

X Not applicable. [1] Includes inspection, measuring, gauging, and/or sorting. [2] N.e.c.=Not elsewhere classified. [3] Includes other continuous-path type, not elsewhere classified. [4] Includes joint locating and guidance systems for welding and guarding and safety devices.

Souce: U.S. Bureau of the Census, *Current Industrial Reports,* series MA 35X(84-1).

No. 1374. Electronics Shipments: 1975 to 1983

[In millions of dollars, except percent. Minus sign (–) indicates decrease]

TYPE OF ELECTRONICS	1975	1976	1977	1978	1979	1980	1981	1982	1983
VALUE									
Total	**42,269**	**50,183**	**60,383**	**72,981**	**88,285**	**105,577**	**121,181**	**127,464**	**143,837**
Computers and industrial electronics	13,457	16,865	20,164	25,697	32,412	38,996	47,225	51,002	56,465
Communications equip. and systems	14,302	15,695	19,041	21,737	25,734	30,772	35,659	37,828	42,270
Electronic components	9,286	10,884	13,033	16,440	20,780	24,918	26,330	26,807	30,932
Consumer electronics	5,224	6,739	8,145	9,107	9,359	10,891	12,453	12,516	14,575
ANNUAL PERCENT CHANGE									
Total	**–.6**	**18.7**	**20.3**	**20.9**	**21.0**	**19.6**	**14.8**	**5.2**	**12.8**
Computers and industrial electronics	3.5	25.3	19.6	27.4	26.1	20.3	21.1	8.0	10.7
Communications equip. and systems	9.5	9.7	21.3	14.2	18.4	19.6	15.9	6.1	11.7
Electronic components	–10.7	17.2	19.7	26.1	26.4	19.9	5.7	1.8	15.4
Consumer electronics	–13.8	29.0	20.9	11.8	2.8	16.4	14.3	.5	16.5

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

No. 1375. Industrial Electronic Equipment—Shipments by Type: 1975 to 1983

[In millions of dollars]

TYPE OF EQUIPMENT	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total [1]	**13,457**	**16,865**	**20,164**	**25,697**	**32,412**	**38,996**	**47,225**	**51,002**	**56,425**
Computer and peripheral equipment	7,478	9,900	11,706	15,117	19,665	24,320	29,099	31,545	36,500
Computers	2,123	2,814	3,299	5,254	6,908	8,077	10,786	11,336	13,150
Peripheral equipment	3,732	5,035	6,015	7,116	8,976	11,730	14,015	14,659	16,150
Auxiliary storage equipment	937	1,516	2,024	2,472	3,090	3,956	4,274	4,033	3,800
Serial access storage	387	441	589	723	667	743	777	918	1,150
Magnetic storage media:									
Disks: Rigid	(2)	(2)	146	98	141	217	235	298	400
Flexible (floppy)	(2)	(2)	76	74	138	212	277	411	600
Computer tape, cassette, cartridge, drum, etc	260	243	(NA)	47	53	115	108	144	170
Computer terminals:									
General purpose:									
Single CRT	413	731	760	885	1,303	2,035	1,892	2,021	2,250
Teleprinters	277	321	335	332	360	491	638	692	770
Special purpose, including graphic	103	217	177	196	267	325	553	653	810
Parts for electronic computers	479	757	940	1,288	1,586	1,503	1,652	2,250	3,000
Parts for peripheral equipment	1,144	1,294	1,452	1,459	2,196	3,010	2,646	3,299	4,200
Controlling, processing equipment	2,492	2,640	3,102	3,793	4,417	5,084	6,107	5,869	5,380
Testing, measuring equipment	1,552	1,598	1,922	2,483	3,125	3,584	4,144	4,478	4,800
Medical electronic equipment	829	1,283	1,715	2,189	2,481	2,703	3,380	3,917	4,400
Nuclear electronic equipment	292	312	351	427	419	384	447	427	410

NA Not available. [1] Includes other types of equipment not shown separately. [2] Combined with "Computer tape, cassette, cartridge, drum, etc."

No. 1376. Consumer Electronic Products—Shipments, by Type: 1975 to 1984

[In millions of dollars]

PRODUCT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	**5,224**	**6,739**	**8,145**	**9,107**	**9,359**	**10,891**	**12,453**	**12,516**	**14,575**	**17,758**
Color TV receivers	2,268	2,755	3,289	3,674	3,665	4,210	4,349	4,253	5,002	5,538
Video cassette recorders	34	65	180	326	389	621	1,127	1,303	2,162	3,585
Car audio[1]	355	497	534	582	623	1,368	2,000	2,100	1,900	2,484
Separate audio components	652	1,027	1,275	1,143	1,178	1,424	1,363	1,181	1,268	913
Portable audio tape equipment[2]	653	1,055	1,208	1,649	1,739	1,403	1,157	971	1,102	1,191
Audio systems[3]	474	489	606	748	748	809	720	573	630	976
Blank video cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931
Home radio	372	356	523	436	436	468	501	530	565	661
Monochrome TV receivers	416	495	530	549	561	588	505	507	465	419
Color cameras	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	147	232	303	355
Projection TV	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	287	236	268	385
Blank audio cassettes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	242	219	249	275
Video disc players	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	55	54	81	45

NA Not available. [1] Prior to 1980, data reflects factory installed products only. [2] Prior to 1980, data includes some tape equipment other than protable. [3] Prior to 1981, data includes console phonographs.

Source of tables 1375 and 1376: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 1377. Machinery (Except Electrical)—Industry Summary: 1977 to 1983

SIC code	INDUSTRY	1977			1982				1983		
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees		Value of shipments (mil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	
35	**Total**	**2,083**	**30,558**	**122,188**	**2,189**	**46,911**	**187,896**	**8,537**	**1,990**	**45,107**	**178,963**
351	Engines and turbines	130	2,238	10,426	112	2,850	13,040	728	96	2,642	12,184
352	Farm and garden machinery	151	2,197	11,857	114	2,386	13,108	392	101	2,166	11,563
353	Constr. and related machinery	333	5,097	23,682	326	7,332	32,038	1,578	247	5,795	24,762
354	Metalworking machinery	298	4,514	13,283	283	6,086	18,150	713	246	5,496	15,542
355	Special industry machinery	185	2,616	9,128	183	3,748	13,128	393	163	3,620	12,754
356	General industrial machinery	313	4,451	16,542	314	6,493	24,459	904	268	5,873	21,469
357	Office and comput. machines	259	3,949	16,842	404	9,437	43,028	2,648	421	10,621	48,173
358	Refrig. and service machinery	192	2,516	12,416	172	3,344	16,450	415	172	3,530	17,548
359	Miscellaneous machinery, except electrical	223	2,980	8,012	282	5,235	14,497	767	277	5,364	14,968

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

No. 1378. Electric and Electronic Equipment—Industry Summary: 1977 to 1983

SIC[1] code	Industry	1977 Employees Number (1,000)	1977 Employees Payroll (mil. dol.)	1977 Value of shipments (mil. dol.)	1982 Employees Number (1,000)	1982 Employees Payroll (mil. dol.)	1982 Value of shipments (mil. dol.)	1982 New capital expenditures (mil. dol.)	1983 Employees Number (1,000)	1983 Employees Payroll (mil. dol.)	1983 Value of shipments (mil. dol.)
36	**Total**	**1,723**	**22,544**	**88,433**	**1,915**	**38,414**	**147,944**	**7,542**	**1,896**	**41,209**	**159,199**
361	Electric distributing equipment	115	1,431	5,772	105	1,995	8,108	220	99	1,956	8,026
362	Electrical industrial apparatus	198	2,543	9,591	191	3,706	13,825	680	176	3,604	13,474
363	Household appliances	162	1,898	10,737	129	2,223	12,644	305	129	2,419	14,487
364	Electric lighting and wiring equipment	165	1,925	8,357	159	2,718	12,048	340	160	2,942	13,217
365	Radio and TV receiving equipment	98	1,097	6,913	66	1,154	7,833	141	62	1,235	8,924
366	Communication equipment	459	6,995	22,744	601	13,979	46,426	2,298	606	15,404	49,931
367	Electronic components and accessories	374	4,557	15,390	516	9,770	34,517	3,013	515	10,605	37,194
369	Miscellaneous electrical equipment and supplies	152	2,098	8,930	147	2,869	12,544	510	149	3,045	13,946

[1] Standard Industrial Classification.

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

No. 1379. Electronic Computing Equipment Industry—Summary: 1974 to 1983

[**In millions of dollars, except as indicated.** Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail]

Item	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Employment, total (1,000)	176.7	162.5	165.7	192.7	232.1	273.9	304.6	320.7	337.9	354.4
Salaries and wages	2,222	2,292	2,451	3,004	3,814	4,777	5,916	6,951	8,053	9,130
Production workers (1,000)	86.8	73.8	71.3	85.5	102.9	122.0	134.7	136.0	140.9	150.1
Work-hours (million)	173.0	145.9	144.0	172.4	202.3	243.8	268.7	263.0	274.5	298.2
Workers wages	795	731	707	978	1,267	1,546	1,875	2,116	2,352	2,695
Value added	5,205	4,960	6,108	7,624	9,628	12,465	14,717	17,746	19,598	20,878
Supplemental labor cost	312	343	399	528	698	904	1,097	1,296	1,601	1,834
Cost of materials	4,164	3,705	4,380	5,701	7,519	9,985	12,787	14,774	17,481	21,418
Value of shipments	9,122	8,560	10,388	12,924	16,558	21,466	26,594	32,032	36,767	41,977
New capital expenditures	296	292	373	652	1,101	1,317	1,706	2,125	2,381	2,341
Inventories	2,478	2,264	2,294	3,008	3,989	5,524	6,879	7,863	8,446	9,085
Assets, total	2,085	2,232	2,353	3,042	4,076	5,196	6,790	8,451	10,177	12,169
Rents, total	74.6	82.2	95.9	112.4	147.3	204.1	250.6	292.4	355.5	434.2
Ratio of—										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments	.753	.741	.696	.714	.727	.730	.745	.719	.738	.772
Cost of materials to value of shipments	.457	.433	.422	.441	.454	.465	.481	.461	.476	.510
Value added to value of shipments	.571	.548	.588	.590	.581	.581	.553	.554	.533	.497
Value added to work-hours	30.09	32.15	42.42	44.22	47.59	51.13	54.77	67.48	71.40	70.01

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982,* and *Annual Survey of Manufactures.*

No. 1380. Electronic Components and Accessories Industry—Summary: 1974 to 1983

[**In millions of dollars, except as indicated.** Included in SIC 367. See headnote, table 1379]

Item	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983, prel.
Employment, total (1,000)	381.7	302.3	323.0	373.5	412.3	467.6	498.6	503.5	515.8	515.0
Salaries and wages	3,686	3,358	3,763	4,557	5,294	6,461	7,780	8,664	9,770	10,605
Production workers (1,000)	266.3	197.6	218.8	257.9	286.7	324.5	336.6	325.5	324.8	329.0
Work-hours (million)	519.8	389.3	438.7	508.7	556.9	635.2	650.1	631.3	626.3	642.4
Workers wages	1,974	1,705	1,964	2,457	2,887	3,484	4,050	4,366	4,645	5,015
Value added	6,963	5,984	7,568	9,260	10,981	14,213	16,902	18,537	21,214	23,610
Supplemental labor cost	571	538	669	811	998	1,232	1,497	1,723	2,644	2,190
Cost of materials	4,635	3,984	5,008	6,390	7,210	9,206	11,434	12,159	13,584	13,912
Value of shipments	11,301	10,089	12,433	15,390	17,912	22,708	27,647	30,421	34,517	37,194
New capital expenditures	785	536	651	783	1,119	1,591	2,616	2,459	3,013	2,897
Inventories	2,286	2,050	2,320	2,773	3,275	4,376	5,388	5,745	6,436	6,841
Assets, total	4,469	4,868	5,228	6,026	6,964	8,142	10,615	12,567	15,398	17,755
Rents, total	97	108	112	107	115	145	189	247	284	315
Ratio of—										
Cost of materials to value of shipments	.410	.395	.403	.415	.403	.405	.414	.400	.394	.374
Value added to value of shipments	.616	.593	.609	.602	.613	.627	.611	.609	.615	.635
Value added to work-hours	13.40	15.37	17.25	18.20	19.72	22.38	26.00	29.36	33.87	36.75

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982,* and *Annual Survey of Manufactures.*

No. 1381. Factory Sales of Electronic Components by Type: 1974 to 1983

[In millions of dollars]

TYPE OF COMPONENT	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	**10,403**	**9,286**	**10,884**	**13,033**	**16,440**	**20,780**	**24,918**	**26,330**	**26,807**	**30,932**
Solid state products	3,114	2,580	3,433	3,858	4,850	6,615	8,402	7,800	8,000	9,600
Parts	2,830	2,593	2,865	3,360	4,136	5,831	6,837	7,402	7,073	7,967
Capacitors	676	470	608	744	897	1,050	1,299	1,297	1,135	1,247
Resistors [1]	514	447	449	477	504	647	653	636	583	638
Passive networks	(NA)	32	47	61	82	111	118	139	138	153
Coils and transformers	536	489	485	560	654	776	852	952	869	950
Connectors	789	734	828	986	1,286	1,674	2,018	2,203	2,189	2,600
Switches	132	141	118	182	303	366	349	377	385	425
Filters	62	71	64	81	99	126	121	124	134	155
Quartz crystals	121	209	266	197	227	201	277	413	315	350
Wire and cable	(2)	(2)	(2)	(2)	(2)	789	1,066	1,176	1,242	1,375
TV and FM antennas, parts	(2)	(2)	(2)	72	84	91	84	85	83	80
Electron tubes	1,196	1,071	1,233	1,296	1,451	1,586	1,778	2,014	1,908	2,039
Receiving tubes	167	152	140	144	134	105	91	100	76	62
Power, special purpose tubes	416	420	456	519	585	682	728	845	896	953
TV tubes	613	499	637	633	732	799	959	1,069	936	1,024
Other components [3]	3,263	3,042	3,353	4,519	6,003	6,748	7,901	9,114	9,826	11,320

NA Not available. [1] U.S. consumption. [2] Included in "Other components". [3] Includes relays, sockets, delay lines, loudspeakers, magnetic components, transducers, printed circuit boards, microwave components, assemblies, and parts.

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

No. 1382. Motor Vehicles and Car Body Equipment Industry—Summary: 1972 to 1983

[ASM=Annual Survey of Manufactures]

ITEM	1972 Census	1977 Census	1978 ASM	1979 ASM	1980 ASM	1981 ASM	1982 Census	1983 ASM
All employees:								
Number (1,000)	339	344	359	349	274	272	240	261
Payroll (mil.dol.)	4,300	7,078	7,846	8,150	6,904	7,600	6,822	8,267
Value added by manufacture (mil.dol.)	11,783	18,724	20,491	20,753	13,817	15,621	15,456	22,608
Cost of materials (mil.dol.)	31,170	58,132	64,615	64,227	52,297	58,326	55,520	73,818
Value of shipments (mil.dol.)	42,906	76,518	84,901	85,147	66,257	74,273	70,740	95,931
New capital expenditures (mil.dol.)	917	1,706	1,877	1,906	2,290	4,697	2,368	1,106
Gross value of fixed assets (mil.dol.)	*5,422*	*(NA)*	*(NA)*	*(NA)*	*(NA)*	13,428	14,362	15,064
End-of-year inventories (mil.dol.)	2,184	4,011	4,410	4,492	4,123	3,579	3,621	4,559

NA Not available.

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

No. 1383. Transportation Equipment—Value of Shipments: 1972 to 1983

[In millions of dollars. "N.e.c." means not elsewhere classified]

TYPE OF EQUIPMENT	1972	1975	1977	1978	1979	1980	1981	1982	1983, prel.
Aircraft [1]	7,538	10,881	12,053	13,610	18,925	23,366	25,109	24,235	26,377
Aircraft engines and engine parts	3,070	4,488	4,995	6,028	7,884	10,010	11,556	11,641	11,516
Aircraft equipment, n.e.c	3,437	4,842	5,762	6,456	8,052	9,946	10,509	10,789	13,171
Boat building and repairing	1,031	1,290	1,822	2,103	2,238	2,129	2,249	2,307	2,594
Motor homes built on purchased chassis	(NA)	(NA)	1,495	2,005	962	836	1,169	1,036	1,893
Motor vehicles and car bodies	41,046	43,394	72,979	80,551	80,133	61,428	69,457	66,706	90,935
Motor vehicle parts and accessories	19,417	23,023	37,842	42,952	42,906	35,627	40,215	38,414	46,776
Motorcycles, bicycles, and parts	541	705	847	1,001	1,112	1,160	1,160	1,143	1,151
Railroad equipment	2,284	3,885	4,002	5,207	7,313	7,173	4,697	2,679	1,946
Ship building and repairing [2]	3,201	5,513	6,270	6,688	7,466	8,889	10,690	10,655	9,342

NA Not available. [1] See table 1087 for number of civil aircraft shipments. [2] Value of work done.

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

No. 1384. Home Appliances and Home and Auto Electronics—Shipments and Retail Value: 1980 to 1984

[Compiled from reports of associations and manufacturers. Retail value represents median price of product times the number of units shipped. Except as indicated, covers electric appliances only]

Product	Manufacturers shipments (1,000 units)					Retail value (mil. dol.)				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
Major appliances	**32,361**	**32,982**	**28,711**	**34,421**	**41,370**	**12,182**	**13,297**	**12,016**	**14,439**	**16,906**
Air treatment	3,765	3,997	3,118	2,462	3,736	1,263	1,483	1,220	966	1,495
Air conditioners	2,907	3,236	2,505	1,829	2,929	1,082	1,302	1,070	805	1,294
Dehumidifiers	634	531	435	437	587	98	90	78	80	107
Air cleaners, electronic	224	230	178	196	220	83	91	72	82	95
Kitchen appliances [1]	20,083	20,583	18,054	23,274	28,114	8,091	8,877	7,958	10,105	11,641
Refrigerators [2]	5,173	4,997	4,365	5,255	5,731	3,093	3,227	2,937	3,607	4,001
Microwave ovens	3,585	4,575	4,201	6,006	9,020	1,612	2,275	1,979	2,586	3,362
Ranges, electric	2,544	2,413	2,041	2,839	3,164	1,048	1,026	902	1,299	1,477
Dishwashers	2,721	2,573	2,181	3,054	3,428	959	952	846	1,205	1,368
Freezers [3]	1,715	1,589	1,290	1,166	1,114	731	724	621	568	545
Ranges, gas	1,534	1,501	1,383	1,578	1,736	583	619	585	695	785
Disposers	2,885	3,067	2,693	3,514	4,052	277	321	293	395	466
Ranges, smooth top	155	134	103	104	94	93	80	64	66	60
Trash compactors	191	171	145	152	178	51	49	43	46	55
Home laundry	7,187	7,087	6,403	7,426	8,195	2,500	2,597	2,538	3,034	3,414
Compact appliances [4]	1,326	1,315	1,136	1,259	1,325	328	340	300	334	356
Video	**21,151**	**23,773**	**26,308**	**34,190**	**48,711**	**7,208**	**8,256**	**8,653**	**10,881**	**13,004**
TV, color	10,855	11,262	11,377	13,939	15,946	5,284	5,665	5,641	6,695	7,297
Videocassette recorders	804	1,330	2,030	4,020	7,143	700	1,057	1,344	2,303	3,444
TV, black and white	6,149	5,542	5,750	5,761	5,068	685	616	626	614	518
Prerecorded videotape/cassettes	3,151	5,172	6,510	9,606	19,690	210	380	407	521	963
TV projection	77	121	117	142	192	210	272	277	285	347
Video cameras	115	186	284	410	484	120	186	265	358	380
Videodisc players	(NA)	160	240	312	188	(NA)	80	93	106	55
Audio/HIFI	**69,067**	**73,923**	**71,939**	**75,021**	**72,503**	**5,195**	**4,933**	**4,586**	**4,620**	4,408
Components [5]	8,919	8,431	8,192	8,599	8,378	1,704	1,561	1,475	1,518	1,510
Speakers	3,735	3,197	2,970	3,237	3,302	624	454	418	452	465
Receivers	1,465	1,440	1,421	1,550	1,553	415	420	381	390	391
Turntables	2,336	2,304	2,239	2,120	1,696	311	322	314	280	213
Tape decks	716	784	836	880	890	178	173	175	172	161
Portable tape units	23,366	28,093	28,050	28,903	27,494	1,447	1,588	1,474	1,441	1,336
Radios	27,012	27,881	26,518	28,188	27,391	868	863	819	863	823
Compact systems	3,945	3,578	2,966	2,748	2,565	884	693	584	550	491
Headphones	2,080	2,241	2,584	2,809	3,090	180	113	114	125	134
Cartridges	3,745	3,699	3,829	3,774	3,585	112	115	118	122	114
Autosound	18,362	19,823	20,741	21,132	21,815	1,487	1,656	1,773	1,851	1,953
Blank tape	**260,063**	**273,104**	**290,204**	**325,191**	**369,378**	**852**	**1,039**	**1,191**	**1,380**	**1,572**
Audiotape/cassettes	244,747	246,393	251,781	263,501	271,025	595	629	639	654	647
Videotape/cassettes	15,316	26,711	38,423	61,690	98,353	258	410	552	725	925
VHS	9,288	17,350	26,216	45,820	72,961	167	282	393	550	700
Beta	6,028	9,361	12,207	15,870	25,392	90	128	159	175	224
Personal electronics [6]	**77,855**	**79,414**	**77,953**	**110,640**	**105,985**	**1,649**	**1,671**	**1,740**	**3,002**	3,132
Video game software	(NA)	36,000	61,000	68,320	51,250	(NA)	972	1,525	1,700	765
Calculators	26,502	28,260	29,030	30,895	31,400	841	832	902	925	946
Video games	2,806	4,010	6,542	6,280	3,125	328	519	847	488	194
Telephones	2,643	3,155	5,521	15,058	22,930	223	289	472	1,168	894
Telephone answering devices	579	697	868	2,094	2,628	93	112	132	264	298
Personal computers	371	750	1,950	4,500	5,000	(NA)	(NA)	(NA)	(NA)	(NA)
Blank floppy disks	(NA)	(NA)	119,000	193,000	241,250	(NA)	(NA)	(NA)	(NA)	(NA)
Electronics furniture	(NA)	4,144	4,628	5,168	5,920	(NA)	487	557	668	830
Kitchen electrics [5]	**82,501**	**81,549**	**80,197**	**84,385**	**87,415**	**2,349**	**2,443**	**2,432**	**2,602**	**2,679**
Coffee makers	12,957	12,655	12,690	13,288	14,035	338	348	357	378	405
Irons	11,184	10,882	10,797	11,863	12,910	317	326	334	366	395
Toasters	9,291	9,249	8,934	9,535	10,680	268	290	293	326	368
Mixers, food	5,626	5,330	5,217	5,322	5,381	160	171	172	179	178
Food processors	3,180	3,186	2,689	2,786	2,716	204	198	172	187	179
Corn poppers	5,543	5,777	5,778	5,814	5,611	141	156	160	158	146
Fans	17,100	19,283	19,751	21,003	23,515	1,287	1,485	1,437	1,524	1,666
Kerosene heaters	(NA)	2,633	3,981	2,910	3,021	(NA)	461	498	309	241
Portable electric heaters	4,569	4,551	4,609	4,163	4,648	196	203	207	190	207
Air purifiers	(NA)	4,300	5,650	5,368	4,645	(NA)	118	148	140	127
Humidifiers	821	869	895	898	1,120	86	94	101	104	118
Vaporizers	1,624	1,747	1,808	1,853	1,760	18	20	22	23	21
Vacuum cleaners [7]	7,727	8,005	7,975	12,439	13,586	1,089	1,177	1,169	1,392	1,485
Personal care [5]	**54,290**	**54,682**	**56,831**	**60,217**	**63,294**	**981**	**1,026**	**1,154**	**1,273**	**1,362**
Hair dryers	18,865	18,359	18,413	18,857	19,564	317	309	316	317	335
Shavers	6,007	6,179	6,367	6,805	7,744	190	196	206	213	247
Scales, bathroom	5,888	6,100	6,178	6,993	7,255	97	113	122	160	173
Cookware and bakeware	110,229	110,482	106,298	118,257	123,737	1,449	1,538	1,562	1,859	1,984
Clocks	27,291	29,605	30,327	31,406	33,690	462	530	550	582	635
Outdoor products	12,653	13,674	14,423	15,326	16,092	396	450	484	514	560
Home security	15,791	17,079	17,340	18,406	19,559	303	338	336	363	390

NA Not available. [1] Excludes duplication; therefore, sum of components will exceed total. [2] 6.5 cu. ft. and over. [3] 10 cu. ft. and over. [4] Refrigerators, freezers, washers, and dryers. [5] Includes others not shown separately. [6] Excludes value of personal computers. [7] Beginning 1983, includes rechargeable.

Source: Gralla Publications, Inc., New York, NY, *Merchandising*, 63rd Annual Statistical and Marketing Report.

1986

Section 30

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 national income originating in trade and services appear in the monthly *Survey of Current Business,* issued by the 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.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are those classified in 3 divisions defined in the *Standard Industrial Classification Manual, 1972* (see text, page 388). *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.

Data from the 1958 Censuses of Retail Trade and Selected Services exclude nonemployer establishments which had annual receipts of less than $2,500 and $1,000, respectively. Beginning with the 1963 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached specified annual totals had they operated the entire year. The Census of Wholesale Trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded in sales (or receipt) figures of the three censuses.

Prior to 1977, the Census of Selected Services excluded health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). These were covered (except religious organizations and private households) in the 1977 census and the title changed to the Census of Service Industries. However, while most of these industries were again included in the 1982 census, some were not. In 1982, data were not collected for arrangement of passenger transportation, hospitals, elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations. Also in 1977, tax-exempt service industries were covered for the first time.

The Census of Retail Trade beginning in 1977, excludes nonemployer direct sellers. In 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.

In the retail and service censuses prior to 1982, combined data for all establishments (nonemployer firms plus establishments of employer firms) were presented for selected kind-of-business classifications. In 1982 these data could not be published by kind-of-business because many nonemployer firms were miscoded by the Internal Revenue Service (IRS) into miscellaneous categories rather than specific kind-of-business. For retail trade and services, total establishment summary data are available but kind-of-business detail are available only on a national level from the Bureau.

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, and sales of organizations operating 11 or more retail stores (see table 1390), for the United States, by kind of business. In addition,

monthly retail sales data for census regions and divisions, 19 large States, 23 large standard metropolitan statistical areas, and 5 large cities are included. Annual figures on sales, yearend inventories, and sales/inventories ratios, by kind of business, appear in the *Annual 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 seclected kinds of businesses. 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 yearend inventories appear in the *Annual Wholesale Trade Report.*

The *Service Annual Survey* provides annual estimates of receipts for selected service establishments 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 establishments 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 I.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1985.* For cross-references, See Appendix VI.

No. 1385. National Income Originating in Domestic Trade and Service Industries: 1970 to 1984

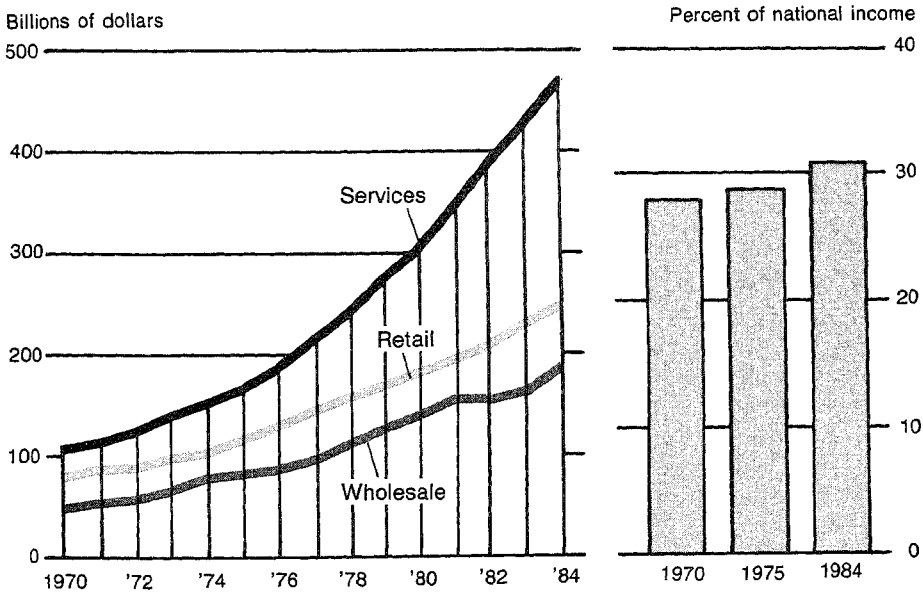
[**In billions of dollars, except percent.** For definition of national income, see text, p. 427. Refers to national income without capital consumption adjustment. Data represent net value added at factor cost. Based on 1972 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1970,* series T 1-14, for single-year data prior to revisions issued in 1981]

INDUSTRY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
National income, total	**814.8**	**1,267.4**	**1,586.0**	**1,802.0**	**2,015.8**	**2,174.0**	**2,414.0**	**2,486.9**	**2,651.9**	**2,940.8**
Wholesale and retail trade	**123.5**	**195.3**	**238.8**	**267.4**	**296.6**	**316.6**	**349.4**	**358.9**	**386.4**	**431.6**
Percent of total national income	15.2	15.4	15.1	14.8	14.7	14.6	14.5	14.4	14.6	14.7
Wholesale trade	46.9	81.1	97.8	109.8	126.3	137.6	153.8	153.0	161.2	186.9
Retail trade	76.6	114.2	140.9	157.6	170.3	179.1	195.6	206.0	225.2	244.7
Services	**104.1**	**168.7**	**212.1**	**240.7**	**274.0**	**310.0**	**350.6**	**387.0**	**426.6**	**472.2**
Percent of total national income	12.8	13.3	13.4	13.4	13.6	14.3	14.4	15.6	16.1	16.1
Hotels and other lodging places	4.5	7.0	8.9	10.9	12.6	13.8	15.1	15.8	17.4	19.6
Personal services	7.6	8.6	10.4	11.6	12.5	13.3	14.0	15.0	16.4	17.8
Miscellaneous business services	15.0	24.0	32.8	38.5	46.5	53.0	61.4	69.1	77.9	90.5
Auto repair, services, and garages	3.7	6.2	8.1	9.5	10.4	11.2	12.5	12.8	13.7	15.5
Miscellaneous repair services	2.2	3.6	4.5	5.2	5.8	6.8	7.0	7.3	7.5	8.4
Motion pictures	1.7	1.9	3.0	3.8	4.1	3.8	4.1	4.5	5.2	5.9
Amusement and recreation services	3.2	5.2	6.8	7.4	8.1	9.0	10.3	10.7	11.9	12.5
Medical and other health services	29.4	54.1	68.0	76.0	86.1	99.6	115.3	131.0	144.9	157.1
Legal services	6.7	11.5	14.4	16.1	18.4	21.3	23.7	28.1	32.5	37.0
Educational services	7.0	11.0	11.7	12.7	14.0	15.4	17.0	18.5	19.8	20.7
Membership organization [1]	10.0	15.6	18.1	20.4	22.4	24.9	27.0	29.2	31.4	33.6
Miscellaneous professional services	8.8	15.4	19.5	22.5	26.4	31.0	36.3	37.4	40.4	45.6
Private households	4.5	4.6	5.9	6.2	6.5	6.6	7.0	7.6	7.8	8.1

[1] Includes social services.

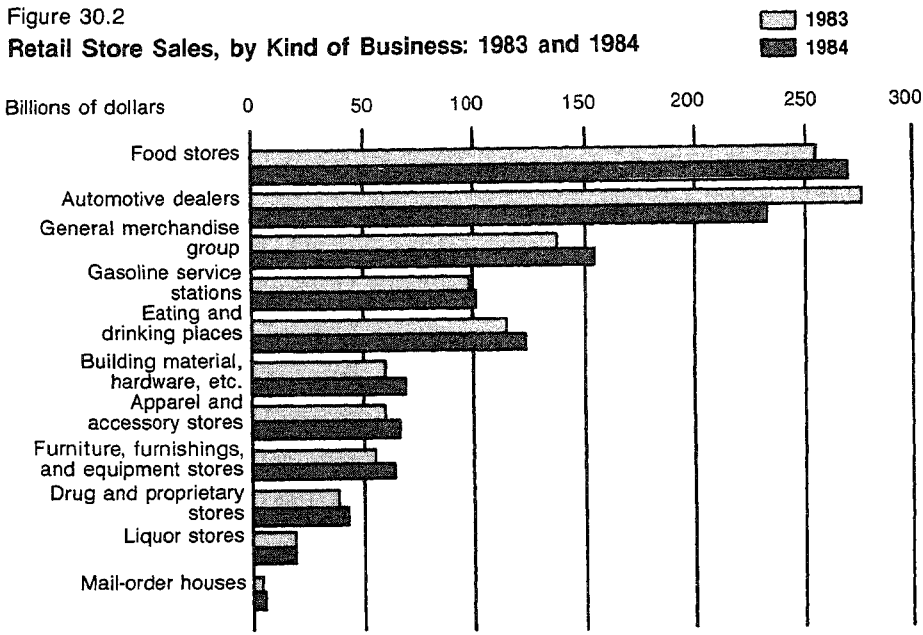
Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76,* and *Survey of Current Business,* July issues.

Figure 30.1
National Income Originating in Domestic Trade and Services: 1970 to 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1385.

Figure 30.2
Retail Store Sales, by Kind of Business: 1983 and 1984



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1389.

No. 1386. Persons Employed in Domestic Trade and Service Industries: 1970 to 1983

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and by active partners and proprietors of unincorporated businesses. Based on 1972 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1970*, series T 15-28, for single year data prior to minor revisions issued in 1981]

INDUSTRY	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
Wholesale and retail	**14,764**	**16,230**	**16,800**	**17,526**	**18,468**	**19,081**	**19,060**	**19,267**	**19,077**	**19,459**
Wholesale trade	4,105	4,482	4,647	4,786	5,021	5,287	5,345	5,470	5,355	5,355
Retail trade	10,659	11,748	12,153	12,740	13,447	13,794	13,715	13,797	13,722	14,104
Services	**13,250**	**15,185**	**15,744**	**16,506**	**17,467**	**18,351**	**18,999**	**19,716**	**20,085**	**20,843**
Hotels and other lodging places	993	1,097	1,100	1,162	1,194	1,224	1,252	1,301	1,330	1,368
Personal services	1,323	1,135	1,167	1,195	1,225	1,260	1,270	1,276	1,272	1,315
Business services	1,655	2,024	2,144	2,319	2,590	2,857	3,045	3,237	3,311	3,689
Auto repair, services, garages	494	598	635	675	733	784	786	815	851	866
Misc. repair services	312	388	390	413	428	467	461	507	501	507
Motion pictures	180	211	217	231	239	250	243	264	259	267
Amusement, recreational services	397	508	541	569	604	631	665	678	684	698
Health services	2,878	4,046	4,219	4,432	4,662	4,878	5,119	5,374	5,550	5,711
Legal services	385	465	498	542	577	615	643	683	729	766
Educational services	998	1,184	1,185	1,189	1,213	1,251	1,296	1,321	1,344	1,255
Membership organizations [1]	1,756	1,856	1,898	1,916	2,035	2,124	2,180	2,182	2,160	2,292
Misc. professional services	726	867	936	1,009	1,114	1,207	1,284	1,338	1,367	1,374
Private households	1,153	766	814	854	853	803	755	740	727	735

[1] Includes social services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-76*, and *Survey of Current Business*, July issues.

No. 1387. Retail Trade—Summary: 1954 to 1982

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	1,532	1,577	1,665	1,567	1,573
Multiunit establishments [1]	1,000	167	[2] 183	220	220	291	332	415
Establishments, total	1,000	1,722	1,795	1,708	1,763	1,780	1,855	1,923
With payroll	1,000	1,124	1,185	1,206	1,192	1,265	1,304	1,330
With sales of $1,000,000 or more	1,000	(NA)	(NA)	(NA)	(NA)	74	118	121
Consumer Price Index: [3]								
All items	1967=100	80.2	86.6	91.7	100.0	125.3	181.5	289.1
All commodities	1967=100	85.9	90.6	93.6	100.0	120.9	174.7	263.8
Sales	Bil. dol	170.0	200.4	244.2	310.2	457.4	723.1	1,065.9
By establishments with payroll	Bil. dol	157.9	187.8	233.1	295.2	440.2	699.6	1,039.0
By multiunit establishments [1]	Bil. dol	51.2	[2] 67.2	89.5	123.5	201.8	340.7	567
Percent of total sales	Percent	30.1	33.5	36.6	39.8	44.0	47.1	53.2
Percent of multiunit sales by 101-or-more establishment multiunits [1]	Percent	41.8	42.4	43.1	46.7	55.8	55.8	54.5
In 1972 dollars [4]	Bil. dol	245.6	270.8	313.5	369.7	457.4	540.0	532.5
Percent of sales by corporations	Percent	48.4	53.0	61.9	67.4	76.4	79.8	84.6
Per capita sales: [5]								
Current dollars	Dollars	1,055	1,156	1,296	1,571	2,186	3,291	4,599
Constant (1972) dollars [4]	Dollars	1,524	1,562	1,663	1,873	2,186	2,457	2,298
Sales as percent of personal income	Percent	58.6	[2] 55.5	52.4	49.3	48.1	46.9	41.5
Sales, inside SMSAs [6]	Bil. dol	(NA)	[2] 133.0	169.8	221.4	(NA)	551.8	845.3
Percent of total sales	Percent	(NA)	66.4	69.5	71.4	(NA)	76.3	79.3
Payroll, entire year	Bil. dol	18.2	21.7	27.6	36.2	55.4	85.9	123.6
Percent of sales	Percent	11.5	[2] 11.5	11.3	11.7	12.1	11.9	11.6
Paid employees, March 12 workweek [7]	1,000	7,124	7,942	8,410	9,381	11,211	13,040	14,468

NA Not available. [1] Establishments operated by firms which operate at two or more locations. [2] Excludes Alaska and Hawaii. [3] Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. For 1982, CPI-U, see text, page 468. [4] Source: U.S. Bureau of Economic Analysis. [5] Based on estimated resident population as of July 1. [6] For definition of SMSA, see Appendix II. [7] 1954-1963 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1, *1977*, RC 77-52 and *1982*, RC 82-A-52 and RC 82-I-1.

No. 1388. Retail Trade Sales—Summary: 1967 to 1985

[Data reflect use of a sample based on definition and classifications according to the 1977 Census of Retail Trade and are adjusted for methodological revision effective in August 1977. Based on Current Business Survey, see Appendix III. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 197, 245, 246, and 255]

YEAR	CURRENT DOLLARS							CONSTANT (1972) DOLLARS [2]		
	Total sales (bil. dol.)	Annual percent change	Per capita [1] (dol.)	Index of sales (1972=100)	Durable goods (bil. dol.)	Nondurable goods (bil. dol.) Total	Nondurable goods (bil. dol.) Dept. stores	Total sales (bil. dol.)	Annual percent change	Per capita [1] (dol.)
1967	293.0	([3])	1,464	65.2	88.7	204.2	32.4	350.9	([3])	1,777
1968	324.4	10.7	1,627	72.2	101.7	222.7	36.0	372.3	6.1	1,867
1969	346.7	6.9	1,722	77.2	108.6	238.1	38.6	383.0	2.9	1,902
1970	368.4	6.3	1,806	82.0	109.2	259.2	40.2	391.1	2.1	1,917
1971	406.2	10.3	1,964	90.5	128.8	277.4	45.0	416.0	6.4	2,011
1972	449.1	10.5	2,146	100.0	148.4	300.6	49.4	447.8	7.6	2,140
1973	509.5	13.5	2,411	113.5	172.9	336.6	55.0	478.9	6.9	2,266
1974	541.0	6.2	2,536	120.5	169.4	371.6	58.1	458.2	–4.3	2,148
1975	588.1	8.7	2,729	131.0	183.0	405.2	62.1	461.5	.7	2,142
1976	657.4	11.8	3,021	146.4	217.8	439.6	68.6	490.6	6.3	2,255
1977	725.2	10.3	3,299	161.5	248.6	476.6	76.9	516.2	5.2	2,349
1978	806.8	11.2	3,633	179.7	280.4	526.4	84.4	539.1	4.4	2,422
1979	899.1	11.4	4,003	200.2	306.4	592.8	89.2	549.8	2.0	2,442
1980	959.6	6.7	4,224	213.7	299.0	660.6	93.2	534.1	–2.9	2,346
1981	1041.3	8.5	4,541	231.9	325.1	716.3	103.5	539.4	1.0	2,344
1982	1072.1	3.0	4,631	238.7	336.7	735.4	107.2	535.4	–.7	2,304
1983	1,174.3	9.5	5,025	261.5	396.5	777.8	116.6	575.3	7.4	2,453
1984	1,297.0	10.5	5,491	268.6	464.3	832.7	129.3	623.9	8.4	2,636
1985, Jan.–June [4]	653.0	[5] 5.4	2,748	(X)	246.3	406.8	57.5	309.7	[5] 4.0	1,304

X Not applicable. [1] Based on Bureau of the Census estimates of resident population as of July 1, except 1985, as of March 1. [2] Source: Bureau of Economic Analysis. Based on seasonally adjusted monthly totals, except 1985. [3] 1966 data not comparable with 1967. [4] Data unadjusted for seasonal variation and trading day differences. [5] Change from Jan.–June, 1984.

Source: Except as noted, U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business* and *Business Conditions Digest*, both monthly.

No. 1389. Retail Trade—Sales, by Kind of Business: 1967 to 1985

[In billions of dollars. Based on 1972 Standard Industrial Classification. Data reflect methodological revision effective Aug. 1977. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245–271]

KIND OF BUSINESS	1967	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985, Jan.–June [1]
Retail trade, total	**293.0**	**368.4**	**588.1**	**806.8**	**899.1**	**959.6**	**1,041.3**	**1,072.1**	**1,174.3**	**1,297.0**	**653.0**
Durable goods stores, total [2]	**88.7**	**109.2**	**183.0**	**280.4**	**306.4**	**299.0**	**325.1**	**336.7**	**396.5**	**464.3**	**246.2**
Automotive dealers	53.8	62.6	106.6	167.9	178.6	164.4	182.4	193.2	232.8	277.0	154.9
Motor vehicle, misc. automotive dealers	49.7	56.9	96.8	153.8	162.4	146.2	162.4	172.4	209.9	252.6	143.0
Motor vehicle dealers	48.0	55.0	89.0	144.6	152.0	137.7	153.1	163.0	200.1	241.7	135.2
Motor vehicle dealers, franchised	45.0	51.8	84.2	136.5	142.9	130.5	144.6	154.8	189.8	230.6	129.3
Auto and home supply stores	4.2	5.6	9.9	14.1	16.2	18.2	20.1	20.8	22.8	24.4	11.9
Building materials, hardware, garden supply, mobile home dealers [2]	13.3	17.6	27.0	45.1	50.9	50.7	52.1	50.9	59.7	68.7	34.0
Building materials, supply stores	9.0	11.2	18.0	31.9	36.3	35.0	35.7	35.2	42.4	49.8	24.7
Hardware stores	2.8	3.2	5.1	6.6	7.9	8.3	8.4	8.7	9.0	9.5	4.8
Furniture, home furnishings, equipment [2]	14.2	17.7	26.9	36.7	42.3	44.1	46.7	46.5	54.7	63.6	31.9
Furniture, home furnishings stores	8.3	10.6	16.2	22.5	25.6	26.3	27.4	27.0	31.0	35.1	17.3
Household appliance, radio, TV	5.0	6.0	8.3	10.7	12.7	13.9	15.3	15.7	19.7	24.0	12.4
Nondurable goods stores, total [2]	**204.2**	**259.2**	**405.2**	**526.4**	**592.8**	**660.6**	**716.3**	**735.4**	**777.8**	**832.7**	**406.8**
Apparel and accessory stores [2]	16.3	20.2	31.3	41.1	44.6	48.1	53.0	55.3	60.3	66.9	31.4
Men's, boys' clothing, furnishings	3.4	4.4	6.4	7.4	7.7	7.6	7.8	7.7	8.0	8.4	3.7
Women's clothing, specialty stores, furriers	6.4	7.7	12.4	16.1	17.5	18.5	20.4	22.0	24.5	27.9	13.1
Women's ready-to-wear stores	5.3	6.7	11.3	14.8	16.1	16.9	18.7	20.3	22.6	25.8	12.1
Family clothing stores	3.1	3.8	6.6	8.6	9.5	11.0	12.4	13.8	15.4	17.6	8.1
Shoe stores	2.9	3.6	4.6	6.6	7.8	8.4	9.5	9.1	9.8	10.3	5.2
Drug and proprietary stores	10.8	13.8	19.9	25.4	28.2	30.7	33.7	36.2	40.1	44.2	22.6
Eating and drinking places	23.5	31.1	51.1	71.7	82.0	89.9	98.0	104.4	114.7	124.1	63.3
Food stores	69.4	88.7	138.4	174.8	197.3	219.5	235.4	245.3	254.9	270.0	136.7
Grocery stores	64.2	81.5	129.2	163.8	184.9	205.1	220.1	230.1	239.1	252.9	128.3
Gasoline service stations	22.6	29.2	47.5	59.7	73.3	93.8	102.8	97.1	98.9	101.0	49.7
General merchandise group stores	42.2	52.0	78.4	103.2	109.3	113.9	125.4	128.7	139.4	153.6	68.4
Department stores	32.4	40.2	62.1	84.4	89.2	93.2	103.5	107.2	116.6	129.3	57.5
Variety stores	5.3	6.6	8.0	7.3	7.9	7.9	8.3	8.3	8.6	9.1	6.9
Misc. gen. merchandise group stores [3]	(NA)	(NA)	(NA)	11.5	12.2	12.8	13.5	13.2	14.2	15.3	4.0
Liquor stores	6.6	8.3	11.8	13.6	15.1	16.8	17.6	18.1	19.0	19.5	9.0
Non-store retailers	(NA)	(NA)	(NA)	18.4	20.4	22.8	23.5	23.8	24.7	26.2	12.4
Mail-order houses (department store merchandise)	(NA)	(NA)	(NA)	4.0	4.2	4.4	4.4	4.4	4.4	4.7	2.0

NA Not available. [1] Unadjusted for seasonal variation. [2] Includes kinds of business not shown separately. [3] Includes catalog showroom stores.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*.

No. 1390. Retail Trade—Sales of Multiunit Organizations by Kind of Business: 1980 to 1984

[**In billions of dollars.** 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]

KIND OF BUSINESS	SALES					PERCENT OF TOTAL RETAIL SALES				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
Total sales	**338.4**	**372.4**	**390.0**	**415.5**	**450.4**	**35.3**	**35.8**	**36.4**	**35.4**	**34.7**
Durable goods stores	**24.7**	**26.9**	**28.2**	**32.8**	**37.7**	**8.3**	**8.3**	**8.4**	**8.3**	**8.1**
Auto and home supply stores	3.7	4.0	4.1	4.4	4.7	20.4	19.7	19.5	19.3	19.2
Nondurable goods stores [1]	**313.6**	**345.5**	**361.8**	**382.8**	**412.7**	**47.5**	**48.2**	**49.2**	**49.2**	**49.6**
Apparel and accessory stores [1]	17.0	18.7	20.1	22.2	25.4	35.3	35.3	36.4	36.9	37.9
Women's apparel, accessories	7.4	8.1	8.4	9.5	11.1	40.0	39.7	38.4	40.0	39.7
Shoe stores	3.5	3.9	4.3	4.8	5.1	41.0	40.7	47.4	48.6	49.3
Drug and proprietary stores	16.2	17.9	19.4	21.6	24.4	52.8	53.0	53.7	53.9	55.2
Food stores	115.1	127.6	135.5	141.3	149.0	52.5	54.2	55.2	55.4	55.2
Grocery stores	113.7	125.7	133.6	139.4	147.0	55.4	57.1	58.0	58.3	58.1
General merchandise group	105.2	115.3	119.5	129.0	142.3	92.4	92.0	92.8	92.5	92.6
Department stores	90.7	99.5	103.2	111.5	123.7	97.3	96.2	96.3	95.7	95.6
Variety stores	6.6	6.9	7.1	7.3	7.6	83.5	83.4	85.1	84.7	84.1
Misc. general merchandise group stores	7.9	8.9	9.2	10.1	11.1	62.1	65.4	69.6	71.3	72.3
Eating and drinking places	18.4	20.3	22.1	24.4	27.0	20.5	20.8	21.2	21.2	21.8

[1] Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual* and *Monthly Retail Trade Reports*.

No. 1391. Retail Trade—Merchandise Inventories and Sales-Inventory Ratios by Kind of Business: 1980 to 1984

[As of **Dec. 31.** Includes warehouses. Based on Current Business Survey, see Appendix III]

KIND OF BUSINESS	INVENTORIES AT COST [1] (bil. dol.)					SALES-INVENTORY RATIOS [2]				
	1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
Total	**113.1**	**123.1**	**122.5**	**135.3**	**153.0**	**8.5**	**8.5**	**8.8**	**8.7**	**8.4**
Total (excluding automotive dealers)	**87.7**	**95.3**	**95.5**	**103.7**	**115.6**	**9.1**	**9.0**	**9.2**	**9.1**	**8.8**
Durable goods stores [3]	**54.5**	**59.6**	**58.3**	**66.1**	**76.3**	**5.5**	**5.5**	**5.8**	**6.0**	**6.1**
Automotive dealers	25.4	27.9	27.0	31.6	37.5	6.5	6.5	7.1	7.4	7.4
Motor vehicle and misc. automotive dealers	21.9	24.3	23.4	27.5	33.4	6.7	6.7	7.4	7.6	7.6
Motor vehicle dealers	19.6	21.6	20.8	24.8	30.0	7.0	7.1	7.9	8.1	8.0
Motor vehicle dealers (franchised)	18.8	20.6	19.8	23.6	28.6	6.9	7.0	7.8	8.1	8.1
Automotive and home supply stores	3.5	3.6	3.6	4.1	4.1	5.2	5.6	5.7	5.6	5.8
Building materials, hardware, garden supplies, mobile home dealers	9.2	9.6	9.4	11.0	12.4	5.5	5.4	5.4	5.4	5.6
Building materials, supply, hardware stores	7.8	8.2	7.9	9.1	10.3	5.5	5.4	5.5	5.7	5.8
Building materials and supply stores	5.7	6.0	5.7	6.8	7.6	6.2	6.0	6.2	6.3	6.5
Hardware stores	2.1	2.2	2.3	2.3	2.7	3.9	3.8	3.8	3.9	3.8
Furniture, home furnishings, equipment stores [3]	9.0	9.6	9.4	10.8	12.0	4.9	4.9	4.9	5.0	5.2
Furniture, home furnishings	5.2	5.5	5.3	6.0	6.5	5.1	5.0	5.1	5.2	5.4
Furniture stores	3.8	4.0	3.7	4.2	4.5	4.6	4.6	4.8	4.7	5.0
Household appliance, radio, TV	2.8	3.0	3.2	3.8	4.3	5.0	5.0	5.0	5.2	5.2
Household appliance stores	1.0	1.1	1.0	1.1	1.2	5.7	5.6	5.9	6.2	6.3
Jewelry stores	3.2	3.8	3.3	3.6	4.0	2.5	2.3	2.6	2.5	2.6
Nondurable goods stores [3]	**58.6**	**63.6**	**64.2**	**69.2**	**76.8**	**11.3**	**11.3**	**11.5**	**11.2**	**10.8**
Apparel and accessory stores [3]	9.8	11.0	11.2	12.4	13.7	4.9	4.8	4.9	4.9	4.8
Men's, boys' clothing, furnishings	1.9	2.0	1.8	1.8	2.0	4.0	3.9	4.2	4.3	4.2
Women's ready-to-wear stores	2.6	3.0	3.2	3.9	4.1	6.5	6.2	6.4	5.8	6.0
Family clothing stores	2.2	2.5	2.8	3.2	3.6	4.9	4.9	5.0	4.8	4.6
Shoe stores	2.2	2.4	2.4	2.5	2.6	3.9	3.9	3.9	4.0	4.0
Drug and proprietary stores	5.2	5.7	6.0	6.6	7.1	5.9	5.9	6.0	6.1	6.1
Eating and drinking places	2.0	2.2	2.2	2.3	2.4	44.2	44.6	46.9	50.3	52.5
Food stores	12.6	13.6	13.9	14.6	15.5	17.5	17.3	17.6	17.4	17.5
Grocery stores	12.0	13.0	13.3	14.0	14.8	17.1	17.0	17.3	17.1	17.2
Gasoline service stations	2.8	2.9	2.6	2.6	2.5	33.0	35.1	37.3	38.2	39.8
General merchandise group stores	19.2	21.1	21.4	23.5	28.1	5.9	5.9	6.0	5.9	5.4
Dept. stores, misc. general merchandise stores	17.4	19.2	19.5	21.6	25.8	6.1	6.1	6.2	6.1	5.6
Department stores	14.5	16.2	16.4	18.3	22.3	6.4	6.4	6.5	6.4	5.8
Variety stores	1.9	1.9	1.9	1.9	2.3	4.2	4.4	4.3	4.5	4.0
Liquor stores	2.0	2.1	2.0	2.1	1.9	8.4	8.5	8.8	9.0	9.6

[1] Excludes supplies and equipment used in store and warehouse operations that are not for resale. Not adjusted for seasonal variation. [2] Relates annual sales to yearend inventories. [3] Includes kinds of businesses not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual Retail Trade Report*.

No. 1392. Commercial and Institutional Groups—Estimated Food and Drink Sales and Purchases: 1975 to 1983

[Excludes military. Data refer to sales to consumers and purchases by establishments of food and alcoholic beverages. Due to methodological and conceptual differences, data in this table may not agree with table 1393. For details, see source]

Type of group	Number, 1983	Sales (mil. dol.)				Purchases (mil. dol.)			
		1975	1977	1982	1983	1975	1977	1982	1983
Total [1]	**561,276**	**69,695**	**85,933**	**139,100**	**150,319**	**29,987**	**38,274**	**57,780**	**61,198**
Commercial feeding [2] [3]	393,962	58,317	72,811	119,369	130,230	20,433	25,517	40,047	43,025
Eating places [2]	254,252	39,251	50,732	86,567	95,174	15,123	19,197	30,730	33,117
Restaurants, lunchrooms	123,657	22,676	28,021	46,428	50,514	9,105	10,997	16,835	17,890
Limited menu restaurants [4]	113,110	13,597	19,301	35,321	39,543	4,891	6,942	12,186	13,414
Bars and taverns [5]	33,990	5,988	6,438	7,905	8,150	335	394	415	418
Food contractors [2]	9,026	4,169	4,989	7,708	8,242	1,783	2,132	3,132	3,318
Manufacturing and industrial plants	(NA)	1,351	1,610	2,258	2,394	630	750	1,026	1,077
Colleges and universities	(NA)	712	823	1,407	1,494	252	292	451	479
Lodging places [2]	29,719	4,093	5,030	8,632	9,360	1,419	1,722	2,829	3,023
Hotel restaurants	13,906	2,538	3,268	5,944	6,450	867	1,098	1,933	2,070
Motel restaurants	13,378	1,007	1,133	1,656	1,791	366	412	558	592
Retail hosts [2]	56,893	2,259	2,552	3,722	4,085	865	976	1,323	1,426
Grocery store restaurants	23,001	343	468	864	1,007	127	173	299	345
Dept. store restaurants	5,202	713	842	924	986	285	337	347	360
Drug store restaurants	6,128	341	316	358	370	129	120	131	133
Variety store restaurants	5,111	405	353	247	253	158	337	91	91
Gasoline service stations	8,232	202	297	759	852	75	110	262	292
Recreation and sports [2]	6,815	787	1,005	1,659	1,822	302	381	584	629
Bowling lanes	3,933	295	365	646	677	124	150	236	242
Recreation and sports centers	(NA)	393	512	797	912	146	189	280	315
Institutional feeding [2]	166,058	11,378	13,122	19,731	20,089	7,704	8,898	12,069	12,295
Employee feeding	8,470	1,072	1,245	1,733	1,767	554	631	858	857
Industrial and commercial organizations	3,762	892	1,053	1,458	1,505	445	515	693	700
Educational feeding	93,579	3,184	3,502	5,248	5,509	3,083	3,444	4,058	4,164
Elementary and secondary schools	90,979	1,687	1,793	2,464	2,577	2,228	2,468	2,814	2,854
Transportation	153	347	422	670	760	182	218	338	387
Airlines	96	260	316	504	572	132	157	251	285
Hospitals	6,828	4,346	5,002	7,641	7,375	1,983	2,275	3,439	3,328
Miscellaneous [2]	27,769	972	1,153	1,735	1,885	720	860	1,119	1,200
Clubs	10,310	696	801	1,275	1,391	335	386	533	582
Community centers	15,210	196	258	344	374	232	304	406	442

NA Not available. [1] Total purchases include food furnished to food service employees. [2] Includes other types of groups, not shown separately. [3] Data for establishments with payroll. [4] Fast-food restaurants. [5] For establishments serving food.

Source: National Restaurant Association, Washington, DC, *NRA News*, monthly. (Copyright.)

No. 1393. Foodservice Industry—Establishments and Sales of Meals and Snacks: 1977 to 1984

[Sales data are actual retail sales or estimated retail value, excludes alcoholic beverages. See source for methodological details]

Market segment	Establishments		Sales of meals and snacks [1] (mil. dol.)							
	1977	1984	1977	1978	1979	1980	1981	1982	1983	1984
Total	**624,507**	**706,098**	**81,776**	**91,639**	**103,968**	**113,878**	**124,040**	**133,264**	**145,733**	**158,485**
Commercial feeding	401,502	409,453	56,624	64,121	73,067	79,814	87,154	94,985	105,634	116,095
Separate eating places [2]	229,892	253,854	47,426	53,900	61,653	67,557	73,787	80,967	90,356	99,592
Restaurants, lunchrooms	118,896	124,433	24,720	28,981	33,534	35,615	38,805	40,931	44,731	48,419
Fast food outlets	100,493	123,769	20,334	22,226	25,112	28,706	31,523	36,492	41,898	47,319
Cafeterias	7,001	5,640	1,813	2,075	2,343	2,426	2,575	2,699	2,871	3,022
Lodging places	25,931	23,262	3,613	4,304	4,937	5,258	5,939	6,164	6,756	7,264
Retail hosts	60,652	56,348	2,691	2,988	3,322	3,535	3,835	3,943	4,318	4,779
Recreation, entertainment	33,619	34,282	1,915	1,928	2,110	2,362	2,471	2,813	3,093	3,394
Separate drinking places	51,408	41,706	979	1,000	1,045	1,100	1,121	1,098	1,111	1,076
Noncommercial feeding	223,005	296,645	25,152	27,518	30,901	34,064	36,886	38,279	40,098	42,390
Education	97,325	95,888	8,242	8,907	9,925	10,833	11,376	11,030	11,642	12,239
Elementary, secondary	91,300	89,600	5,886	6,494	7,313	7,875	8,099	7,368	7,537	7,830
Colleges, universities	3,095	3,288	2,256	2,306	2,494	2,824	3,126	3,497	3,886	4,092
Other education	2,930	3,000	100	106	118	134	152	175	201	217
Plants, office buildings	15,187	15,846	3,576	4,070	4,658	5,145	5,669	5,919	6,258	6,793
Hospitals	7,099	6,861	3,711	3,955	4,403	4,919	5,366	5,609	5,715	5,817
Care facilities	21,117	28,933	2,388	2,758	3,198	3,602	4,072	4,797	4,983	5,281
Vending	3,737	3,556	2,508	2,642	2,853	3,094	3,183	3,214	3,348	3,553
Military services	3,971	3,352	1,595	1,648	1,821	1,934	2,109	2,166	2,255	2,366
Troop feeding	1,435	1,310	1,245	1,275	1,421	1,496	1,619	1,644	1,709	1,765
Clubs, exchanges	2,536	2,042	350	373	400	438	490	522	546	601
Transportation	799	642	1,079	1,225	1,426	1,563	1,656	1,685	1,793	1,922
Associations	18,966	19,394	958	994	1,058	1,153	1,276	1,431	1,501	1,562
Correctional facilities	6,907	7,164	492	567	626	705	786	1,018	1,092	1,155
Child day care centers	18,967	84,175	249	299	367	469	641	607	663	760
Elderly feeding programs	11,173	14,035	202	292	388	456	544	579	629	689
Other	17,757	16,799	151	162	178	192	208	223	238	252

[1] Estimated retail sales; excludes tips and taxes. [2] Includes other industry segments not shown separately.

Source: U.S. Department of Agriculture, Economic Research Service, *Definition of the Foodservice Industry and Methodology for Estimating Selected Statistics*, and unpublished data.

No. 1394. Largest Retailing Companies—Sales, Assets, Net Income, and Employees, by Sales Group: 1980 to 1983

[**Sales, assets, and net income in billions of dollars; employees in thousands; except percent.** Excludes large privately owned companies that do not publish sales. Includes all operating revenues for fiscal years ending not later than January following year stated]

Rank by sales group	Sales [1]			Assets [2]			Net income [3]			Employees [4]		
	1980	1982	1983	1980	1982	1983	1980	1982	1983	1980	1982	1983
50 largest	**200.8**	**246.2**	**271.2**	**96.3**	**128.4**	**149.6**	**3.9**	**4.4**	**7.3**	**3,240**	**3,279**	**3,497**
Top 10	109.3	125.5	142.1	56.0	74.2	89.5	1.9	2.5	3.5	1,614	1,505	1,586
11th-20th	40.6	53.3	54.5	16.4	21.9	23.2	.5	.3	1.4	591	596	666
21st-30th	23.8	30.7	34.5	12.3	15.6	19.0	.7	1.1	1.2	569	648	714
31st-40th	15.7	22.6	24.6	7.3	10.6	11.3	.5	.3	.7	324	368	357
41st-50th	11.5	14.1	15.4	4.3	6.0	6.6	.3	.3	.5	143	162	174
Percent of total:												
Top 10	54.4	51.0	52.4	58.2	57.8	59.8	48.7	55.5	48.4	49.8	45.9	45.3
11th-20th	20.2	21.7	20.1	17.0	17.1	15.5	12.3	7.0	18.7	18.2	18.2	19.1
21st-30th	11.8	12.5	12.7	12.7	12.2	12.7	18.5	23.7	16.9	17.6	19.8	20.4
31st-40th	7.8	9.2	9.1	7.6	8.3	7.5	13.8	7.7	9.6	10.0	11.2	10.2
41st-50th	5.7	5.7	5.7	4.5	4.6	4.4	6.8	6.0	6.4	4.4	5.0	5.0

[1] Includes sales of subsidiaries when they are consolidated. [2] Total assets employed in business at end of fiscal year. [3] After taxes, special charges, and credits. [4] As of year end, or yearly average.

Source: Time, Inc., New York, NY, adapted from *The Fortune Directory*, July 13, 1981; June 13, 1983; and June 11, 1984. (Copyright.)

No. 1395. Retail Trade—Sales by Broad Merchandise Lines: 1977 and 1982

[For establishments with payroll. For details on restructuring merchandise lines between 1977 and 1982, see source]

Merchandise line	1977			1982			
					Sales of specified merchandise lines		
						As percent of total sales	
	Establishments (1,000)	Sales (mil. dol.)	Percent of sales	Establishments (1,000)	Total (mil. dol.)	Establishments handling line	All establishments
Retail trade, total	**[1] 1,304**	**699,635**	**100.0**	**[1] 1,330**	**1,039,029**	(x)	**100.0**
Groceries and other food	271	137,506	19.7	267	198,705	51.8	19.1
Meals and snacks	341	54,735	7.8	391	92,677	40.9	8.9
Alcoholic drinks	138	9,998	1.4	140	14,965	33.1	1.4
Packaged alcoholic beverages	136	16,164	2.3	157	25,633	13.5	2.5
Cigars, cigarettes, and tobacco	231	8,475	1.2	241	14,664	4.9	1.4
Drugs	110	12,438	1.8	} 187	42,337	12.4	4.1
Health and beauty aids	166	11,325	1.6				
Men's, boys' wear, except footwear	106	22,740	3.3	104	29,461	17.7	2.8
Women's, girls' wear, except footwear	139	36,527	5.2	146	57,553	30.6	5.5
Footwear, except infant's and toddler's	98	10,650	1.5	112	17,017	12.3	1.6
Sewing, knitting, and needlework goods	} 82	10,011	1.4	{ 45	4,132	3.9	.4
Curtains, draperies, and dry goods				65	8,926	6.4	.9
Major household appliances	72	9,179	1.3	61	11,337	10.1	1.1
Small electric appliances	82	2,849	.4	70	4,361	2.7	.4
TV's and video recorders and tapes	55	4,128	.6	59	6,841	6.1	.7
Audio equipment, musical instruments and supplies	89	9,191	1.3	74	11,279	8.2	1.1
Furniture and sleep equipment	72	14,685	2.1	68	19,086	14.4	1.8
Floor coverings	66	5,770	.8	57	6,908	6.2	.7
Kitchenware and home furnishings	137	9,881	1.4	150	15,642	6.3	1.5
Jewelry	111	8,151	1.2	95	12,133	8.1	1.2
Optical goods	21	1,361	.2	21	1,851	4.3	.2
Sporting goods	80	9,451	1.4	70	13,038	11.4	1.3
Recreational vehicles	13	3,234	.5	6	2,957	20.8	.3
Hardware, tools, plumbing, and electrical supplies	94	8,555	1.2	103	13,978	8.2	1.3
Lawn, garden equipment, and supplies	99	7,217	1.0	95	11,189	7.5	1.1
Lumber and building materials	80	26,766	3.8	74	32,179	26.1	3.1
Mobile homes	([2])	([2])	([2])	5	3,795	90.8	.4
Cars, trucks, powered vehicles	56	112,285	16.0	49	139,687	83.9	13.4
Automotive fuels	} 211	48,736	7.0	{ 156	89,288	63.9	8.6
Automotive lubricants				157	2,850	1.1	.3
Automobile tires, batteries, accessories	195	21,196	3.0	166	31,050	10.3	3.0
Household fuels	23	8,923	1.3	21	14,791	65.5	1.4
All other merchandise	290	36,663	5.2	269	52,892	14.8	5.1
Unclassified merchandise	(x)	(x)	(x)	147	5,451	3.5	.5
Nonmerchandise receipts	262	20,824	3.0	249	30,355	8.8	2.9

X Not applicable. [1] Detail will not add to total because establishments may carry more than one merchandise line. [2] Included in "all other merchandise".

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1977*, and *1982, Merchandise Line Sales*, RC77-L and RC82-L.

No. 1396. Retail Trade Establishments—Number, Sales, and Employees, by Kind of Business: 1977 and 1982

[Data for 1977 are adjusted for comparable treatment of leased departments between 1977 and 1982. 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]

Kind of Business	Establishments (1,000)		Sales (mil. dol.)		Annual Payroll (mil. dol.)		Paid Employees [1] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Retail trade, total	**1,870.4**	**1,923.2**	**720,459**	**1,065,917**	**85,417**	**123,619**	**12,968**	**14,468**
Building materials, hardware, garden supply, and mobile home dealers	**90.6**	**88.5**	**38,914**	**50,993**	**4,372**	**6,221**	**471**	**504**
Building materials, supply stores	40.6	40.1	27,123	35,144	2,993	4,179	294	307
Hardware stores	26.6	25.4	6,139	8,727	810	1,250	113	127
Retail nurseries, lawn and garden supply stores	15.5	16.5	1,794	3,120	266	456	36	47
Mobile home dealers	7.8	6.5	3,857	4,003	303	336	27	24
General merchandise group stores	**48.9**	**44.7**	**87,825**	**120,414**	**11,906**	**14,822**	**1,885**	**1,839**
Department stores (incl. lease depts.) [2]	8.8	10.0	76,909	107,163	10,743	(NA)	1,644	(NA)
Department stores (excl. leased depts.) [2]	8.8	10.0	71,053	99,170	9,966	12,495	1,519	1,515
Variety stores	17.4	13.5	6,987	8,211	985	1,085	211	161
Misc. general merchandise stores	22.7	21.3	9,784	13,033	955	1,241	156	163
Food stores [3]	**252.9**	**241.7**	**158,444**	**246,121**	**14,777**	**23,530**	**1,964**	**2,348**
Grocery stores	179.0	168.0	148,116	230,696	13,370	21,364	1,694	2,031
Meat and fish (seafood) markets	17.0	15.5	3,857	5,652	391	563	56	62
Retail bakeries	20.2	22.2	2,352	3,752	633	979	132	159
Fruit stores, vegetable markets	7.9	6.5	1,092	1,552	81	135	14	17
Candy, nut, confectionery stores	9.1	8.9	651	972	78	129	19	23
Dairy products stores	8.3	7.1	1,259	1,531	127	163	31	27
Automotive dealers [3]	**139.7**	**129.3**	**150,130**	**193,515**	**13,338**	**16,882**	**1,119**	**1,051**
Motor vehicle dealers:								
New and used cars	30.8	27.2	121,828	154,726	10,274	12,309	790	699
Used cars only	37.0	34.6	6,945	8,207	374	450	42	36
Auto and home supply stores	47.7	48.8	13,095	21,156	1,968	3,223	210	245
Boat dealers	6.6	5.5	2,597	2,936	248	304	26	23
Recreational and utility trailer dealers	5.2	3.5	2,896	2,831	207	231	20	16
Motorcycle dealers	6.4	5.6	1,980	2,930	214	308	24	27
Gasoline service stations	**177.6**	**135.5**	**56,638**	**97,440**	**3,834**	**4,768**	**673**	**604**
Apparel and accessory stores [3]	**147.8**	**159.0**	**37,164**	**57,816**	**5,207**	**7,563**	**866**	**979**
Men's and boys' clothing, furnishings	23.1	18.6	7,042	7,803	1,102	1,224	146	123
Women's clothing and specialty stores and furriers	55.1	58.8	13,629	22,264	1,902	2,756	353	397
Women's ready-to-wear stores	45.7	47.9	12,537	20,413	1,755	2,492	328	363
Family clothing stores	21.6	23.7	7,972	13,660	1,033	1,671	183	219
Shoe stores	33.4	39.4	7,058	11,419	969	1,571	146	189
Children's and infants' wear stores	5.3	6.6	737	1,410	99	172	21	28
Furniture, home furnishings, and equipment stores	**139.1**	**131.7**	**33,315**	**46,761**	**4,583**	**6,287**	**515**	**543**
Furniture stores	40.8	38.3	14,060	17,658	2,084	2,608	220	214
Home furnishing stores	42.0	44.3	6,324	9,435	897	1,320	105	124
Floor covering stores	17.2	17.1	4,043	5,287	562	721	55	54
Household appliance stores	17.6	13.9	[4] 4,727	5,855	579	697	65	59
Radio, television, and music stores	38.6	35.2	8,180	13,813	1,023	1,662	124	146
Eating and drinking places	**369.0**	**361.7**	**63,371**	**104,592**	[5] **15,437**	**25,708**	**3,765**	**4,666**
Eating places [3]	275.2	301.7	55,670	95,091	14,040	23,987	3,431	4,341
Restaurants and lunchrooms	(NA)	(NA)	(NA)	(NA)	7,784	12,935	1,884	2,291
Refreshment places	(NA)	(NA)	(NA)	(NA)	4,466	8,185	1,160	1,610
Drinking places (alcoholic beverages)	93.8	80.0	7,700	9,501	1,397	1,721	334	325
Drug and proprietary stores	**50.3**	**52.0**	**23,381**	**36,440**	**3,154**	**4,605**	**463**	**496**
Miscellaneous retail stores	**454.7**	**559.0**	**71,279**	**111,824**	**8,810**	**13,232**	**1,246**	**1,438**
Liquor stores	44.6	41.5	13,031	18,146	916	1,310	146	167
Used merchandise stores	49.9	59.0	2,852	4,665	395	730	61	80
Misc. shopping goods stores	166.3	190.0	21,242	35,428	2,775	4,705	447	574
Sporting goods, bicycle shops	31.6	34.7	4,673	8,012	535	926	77	106
Book stores	12.7	14.9	1,842	3,269	233	401	43	58
Stationery stores	6.4	6.6	1,125	1,561	176	257	28	28
Jewelry stores	35.4	38.7	5,712	8,829	874	1,433	111	132
Hobby, toy, game shops	18.6	22.0	1,785	3,464	181	325	34	46
Camera, photographic supply	5.7	6.7	1,175	1,948	135	225	17	21
Gift, novelty, souvenir	34.1	41.4	2,576	5,037	332	694	69	110
Luggage, leather goods	2.6	3.2	372	620	55	94	8	11
Sewing, needlework, piece goods	19.2	21.9	1,981	2,688	254	350	61	62
Nonstore retail	32.8	32.7	14,445	20,461	2,974	2,942	288	274
Mail order houses	11.0	12.2	7,560	11,362	1,110	1,194	126	103
Automatic merchandising machine operators	13.5	11.8	3,945	4,924	655	935	73	84
Direct selling establishments	8.4	8.7	2,939	4,175	609	813	88	88
Fuel and ice dealers	20.3	15.7	10,168	17,059	1,026	1,405	101	95
Florists	29.5	34.7	2,413	3,734	467	711	88	104
Cigar stores and stands	3.7	3.5	470	624	43	68	8	9
News dealers and newsstands	7.8	13.1	533	790	42	60	9	9
Miscellaneous retail stores, n.e.c. [6]	99.9	168.9	6,124	10,917	770	1,301	98	127
Optical goods stores	(NA)	(NA)	(NA)	(NA)	272	404	27	34

NA Not available. [1] For pay period including March 12. [2] Includes sales from catalog order desks. [3] Includes other kinds of businesses, not shown separately. [4] Revised data not carried to broader kind of business. [5] Revised. [6] N.e.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, *1982 Census of Retail Trade*, RC82-A-52 (change sheet, June 1985).

No. 1397. Retail Sales—by Type of

[In millions of dollars]

Division and State	Total [1]		Food stores				General merchandise stores				Automotive dealers	
			Total		Supermarkets		Total		Department stores			
	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984
U.S.	1,065,918	1,296,660	246,458	270,831	231,000	253,433	120,528	153,479	99,185	127,231	193,896	272,823
N.E.	62,093	80,104	13,629	15,951	12,465	14,563	6,174	8,591	5,179	7,264	10,359	15,463
ME	5,332	6,509	1,311	1,472	1,247	1,399	465	614	341	456	933	1,305
NH	5,354	6,858	1,278	1,488	1,209	1,407	527	737	415	586	962	1,416
VT	2,601	3,291	612	708	585	676	173	233	120	164	473	694
MA	28,816	38,557	6,006	7,264	5,371	6,488	3,000	4,308	2,538	3,674	4,651	7,237
RI	4,163	5,124	923	1,042	802	903	448	598	387	517	633	892
CT	15,829	19,765	3,500	3,977	3,251	3,689	1,561	2,101	1,379	1,868	2,706	3,920
M.A.	159,349	194,246	38,078	41,682	34,220	37,356	17,381	21,943	14,742	18,777	24,938	35,252
NY	72,267	89,498	17,446	19,387	15,361	17,017	7,612	9,769	6,296	8,166	9,955	14,327
NJ	36,307	44,264	8,610	9,397	7,839	8,543	3,637	4,555	3,163	3,994	6,208	8,870
PA	50,776	60,484	12,022	12,898	11,020	11,796	6,131	7,619	5,283	6,617	8,774	12,055
E.N.C.	180,556	214,265	40,116	42,459	37,456	39,592	22,119	27,324	19,081	23,714	32,365	44,911
OH	46,315	54,967	11,145	11,877	10,447	11,116	6,156	7,635	5,360	6,687	7,981	11,088
IN	23,724	30,095	5,299	5,996	5,023	5,678	2,678	3,536	2,252	2,984	4,410	6,560
IL	50,747	58,872	10,561	10,839	9,844	10,089	5,921	7,123	5,061	6,133	8,959	12,147
MI	39,216	46,783	8,518	9,028	7,835	8,290	4,944	6,128	4,437	5,537	7,521	10,456
WI	20,554	23,547	4,594	4,719	4,307	4,420	2,420	2,901	1,970	2,373	3,494	4,660
W.N.C.	78,094	97,605	16,879	19,978	16,034	18,951	9,103	11,894	7,399	9,730	14,940	22,846
MN	19,599	25,128	3,922	4,751	3,675	4,447	2,259	2,992	1,894	2,523	3,542	5,617
IA	12,646	14,638	3,012	3,340	2,877	3,187	1,366	1,655	1,066	1,286	2,374	3,333
MO	21,655	28,598	4,888	6,122	4,658	5,824	2,790	3,858	2,402	3,347	4,063	6,559
ND	3,367	4,009	579	634	547	598	349	432	285	352	829	1,208
SD	2,989	3,572	617	699	586	664	256	323	189	238	589	864
NE	6,995	8,360	1,459	1,648	1,387	1,565	797	991	598	740	1,321	1,937
KS	10,842	13,301	2,402	2,783	2,304	2,666	1,286	1,643	966	1,244	2,222	3,329
S.A.	176,375	220,147	41,345	45,153	39,223	42,786	19,521	25,491	15,412	20,304	33,357	52,730
DE	3,131	3,882	679	736	620	670	418	543	360	470	525	833
MD	20,983	27,093	4,696	5,336	4,344	4,931	2,458	3,308	2,117	2,871	3,781	6,161
DC	2,654	3,024	495	520	450	472	225	280	189	238	127	174
VA	24,706	30,046	5,843	6,273	5,580	5,981	2,881	3,675	2,237	2,876	4,599	7,000
WV	7,521	8,652	2,022	2,076	1,954	2,003	1,006	1,234	797	986	1,351	1,936
NC	25,005	32,017	6,207	7,000	6,010	6,771	2,508	3,400	1,668	2,303	4,779	7,690
SC	12,498	15,485	3,190	3,502	3,099	3,399	1,244	1,641	905	1,205	2,218	3,472
GA	24,408	30,397	5,582	6,099	5,368	5,856	2,764	3,615	2,200	2,908	4,628	7,248
FL	55,469	69,551	12,631	13,611	11,799	12,704	6,017	7,796	4,938	6,448	11,348	18,217
E.S.C.	57,701	69,946	14,460	16,415	13,973	15,842	6,959	9,257	5,115	6,883	11,003	15,605
KY	14,572	17,318	3,665	4,103	3,506	3,920	1,757	2,338	1,369	1,845	2,511	3,490
TN	19,605	24,576	4,720	5,529	4,567	5,342	2,363	3,215	1,828	2,512	3,832	5,617
AL	14,480	16,958	3,708	4,074	3,595	3,945	1,663	2,109	1,190	1,520	2,674	3,932
MS	9,044	11,094	2,367	2,709	2,304	2,634	1,177	1,595	728	1,006	1,786	2,566
W.S.C.	127,444	146,828	30,030	30,968	28,877	29,746	14,440	17,366	11,419	13,843	27,341	30,861
AR	9,114	10,484	2,130	2,203	2,065	2,134	1,154	1,433	967	1,207	1,979	2,265
LA	19,986	22,920	5,039	5,180	4,854	4,984	2,326	2,774	1,733	2,093	3,770	4,214
OK	16,071	18,626	3,805	3,941	3,693	3,820	1,812	2,214	1,294	1,605	3,713	4,245
TX	82,274	94,797	19,056	19,644	18,265	18,808	9,148	10,945	7,424	8,937	17,880	20,137
Mt.	59,298	71,362	14,086	16,159	13,539	15,515	5,859	7,614	4,621	6,047	11,253	13,429
MT	3,955	4,419	955	1,027	918	986	306	372	199	243	746	832
ID	4,060	4,503	1,065	1,140	1,037	1,108	310	371	203	243	815	902
WY	2,819	3,430	636	745	617	723	191	251	87	114	496	601
CO	16,581	20,340	3,764	4,382	3,612	4,201	1,666	2,192	1,423	1,883	3,150	3,829
NM	6,319	7,542	1,523	1,746	1,455	1,666	587	758	413	538	1,274	1,515
AZ	13,894	17,052	3,423	3,987	3,292	3,830	1,491	1,969	1,186	1,579	2,620	3,189
UT	6,327	7,421	1,513	1,698	1,448	1,623	711	896	579	728	1,196	1,384
NV	5,343	6,656	1,207	1,435	1,160	1,378	597	806	530	719	957	1,178
Pac.	165,008	202,159	37,836	42,066	35,212	39,082	18,972	23,999	16,219	20,668	28,340	41,726
WA	20,008	23,727	4,896	5,318	4,669	5,065	2,178	2,683	1,838	2,279	3,250	4,618
OR	12,634	14,268	2,738	2,823	2,597	2,675	1,787	2,115	1,394	1,660	2,258	3,022
CA	123,946	153,627	28,393	31,861	26,285	29,449	14,012	17,933	12,327	15,873	21,861	32,606
AK	3,227	4,174	709	824	685	795	335	445	216	295	419	670
HI	5,193	6,363	1,101	1,240	976	1,099	659	823	445	562	551	810

[1] Includes other types of stores, not shown separately. [2] Includes hardware dealers. [3] Includes home furnishings stores.

STORE AND STATE: 1982 AND 1984

Data are estimates]

EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		APPAREL AND ACCESSORIES STORES		BUILDING MATERIALS DEALERS [2]		FURNITURE AND APPLIANCE STORES [3]				DIVISION AND STATE
								Total		Furniture [3]		
1982	1984	1982	1984	1982	1984	1982	1984	1982	1984	1982	1984	
103,982	**124,035**	**97,840**	**104,448**	**57,838**	**66,842**	**51,146**	**66,513**	**47,141**	**63,578**	**17,951**	**22,550**	**U.S.**
6,046	**8,179**	**5,299**	**6,146**	**3,540**	**4,094**	**2,850**	**3,989**	**2,406**	**3,325**	**873**	**1,128**	**N.E**
425	541	406	442	216	235	311	413	144	178	57	66	ME
428	567	411	469	249	284	337	470	200	275	60	76	NH
223	295	226	255	109	123	176	243	81	106	29	36	VT
3,108	4,357	2,387	2,871	1,793	2,140	1,176	1,715	1,170	1,687	447	603	MA
404	521	380	425	237	282	176	234	145	189	50	60	RI
1,457	1,898	1,489	1,684	938	1,050	675	914	666	889	230	287	CT
15,096	**18,549**	**12,328**	**13,696**	**10,341**	**12,802**	**6,097**	**8,539**	**7,352**	**10,288**	**2,570**	**3,328**	**M.A.**
7,420	9,300	4,625	5,184	5,295	6,686	2,591	3,715	3,608	5,207	1,242	1,656	NY
3,227	3,922	3,251	3,651	2,287	2,796	1,361	1,916	1,743	2,436	585	758	NJ
4,449	5,327	4,452	4,862	2,759	3,320	2,145	2,907	2,002	2,645	744	914	PA
18,183	**19,589**	**19,154**	**19,744**	**9,426**	**10,634**	**7,982**	**10,551**	**7,473**	**9,589**	**2,717**	**3,241**	**E.N.C.**
4,683	5,084	5,408	5,624	1,956	2,215	1,837	2,435	1,808	2,334	692	830	OH
2,333	2,695	2,790	3,070	1,079	1,302	1,166	1,664	902	1,229	338	431	IN
5,138	5,385	4,716	4,711	3,291	3,642	2,143	2,749	2,203	2,769	829	971	IL
3,819	4,132	4,069	4,200	2,249	2,552	1,790	2,375	1,683	2,170	577	690	MI
2,211	2,294	2,171	2,139	851	923	1,046	1,328	877	1,087	281	318	WI
7,183	**7,937**	**8,436**	**9,209**	**3,773**	**3,997**	**4,657**	**5,806**	**3,143**	**4,123**	**1,282**	**1,575**	**W.N.C.**
1,801	2,032	2,108	2,351	922	1,000	1,221	1,560	776	1,050	292	367	MN
1,137	1,169	1,416	1,454	618	614	798	926	485	586	206	236	IA
2,037	2,390	2,299	2,645	1,015	1,140	1,100	1,462	822	1,138	308	398	MO
291	297	371	385	174	172	246	285	138	170	67	78	ND
275	291	370	391	147	150	204	244	114	141	53	62	SD
687	727	769	806	352	359	449	545	342	436	185	228	NE
956	1,031	1,104	1,176	544	563	638	785	467	601	171	206	KS
16,667	**19,950**	**16,282**	**17,096**	**9,227**	**9,953**	**8,757**	**11,889**	**8,299**	**11,447**	**3,448**	**4,448**	**S.A.**
266	316	274	286	169	181	158	212	136	183	52	65	DE
1,944	2,409	2,037	2,223	1,126	1,261	791	1,114	951	1,366	335	443	MD
563	654	185	185	241	252	40	49	132	173	58	71	DC
2,152	2,517	2,451	2,528	1,245	1,313	1,083	1,421	1,168	1,581	499	632	VA
544	601	738	724	338	339	455	569	291	357	140	163	WV
2,172	2,683	2,006	2,142	1,390	1,553	1,523	2,129	1,219	1,707	584	767	NC
1,114	1,343	1,250	1,320	692	751	728	986	585	806	278	362	SC
2,293	2,759	2,457	2,592	1,261	1,363	1,319	1,799	1,050	1,439	441	565	GA
5,619	6,667	4,883	5,095	2,766	2,939	2,661	3,611	2,767	3,835	1,061	1,378	FL
4,741	**5,330**	**5,646**	**6,247**	**2,936**	**3,533**	**2,893**	**3,229**	**2,286**	**3,026**	**1,055**	**1,317**	**E.S.C.**
1,277	1,420	1,628	1,784	642	758	758	837	538	689	241	290	KY
1,708	1,988	2,048	2,351	989	1,235	900	1,032	825	1,141	361	469	TN
1,126	1,218	1,237	1,310	857	999	753	813	583	745	282	339	AL
630	705	733	803	449	541	482	547	339	451	172	218	MS
11,410	**14,676**	**10,410**	**11,194**	**7,446**	**7,834**	**6,963**	**10,784**	**5,717**	**7,455**	**2,350**	**2,861**	**W.S.C.**
657	837	808	875	476	507	486	729	338	421	165	196	AR
1,843	2,358	1,601	1,719	1,147	1,202	1,171	1,805	932	1,212	404	494	LA
1,440	1,867	1,174	1,253	958	1,014	945	1,475	730	951	303	371	OK
7,470	9,614	6,827	7,347	4,864	5,111	4,361	6,775	3,717	4,870	1,478	1,801	TX
6,059	**6,825**	**5,874**	**6,269**	**2,752**	**2,853**	**3,429**	**4,568**	**2,672**	**4,134**	**1,038**	**1,496**	**Mt.**
424	447	403	401	201	197	272	336	173	247	61	82	MT
375	389	368	371	179	173	263	318	173	236	80	106	ID
284	326	407	446	139	147	201	274	98	150	36	51	WY
1,854	2,126	1,472	1,590	785	826	966	1,314	796	1,271	276	409	CO
629	707	632	672	328	340	398	540	251	380	115	164	NM
1,428	1,631	1,342	1,452	558	586	695	946	657	1,040	246	361	AZ
511	557	675	703	297	301	369	477	315	471	152	216	UT
553	642	575	635	264	283	265	362	209	339	71	106	NV
18,596	**22,999**	**14,411**	**14,847**	**8,396**	**11,141**	**7,518**	**9,160**	**7,793**	**10,191**	**2,617**	**3,157**	**Pac.**
2,268	2,728	1,737	1,717	986	1,268	1,101	1,309	845	1,064	297	347	WA
1,353	1,539	1,147	1,073	601	731	565	623	517	605	173	188	OR
13,684	17,093	10,901	11,412	6,297	8,439	5,354	6,559	6,131	8,109	2,047	2,494	CA
411	528	215	224	130	181	344	471	133	191	42	55	AK
880	1,111	411	421	383	523	154	198	167	223	59	73	HI

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

No. 1398. Domestic Franchising—Summary: 1970 to 1985

[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. Excludes foreign outlets of U.S. companies]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984 [1]	1985 [1]
Number of franchised establishments	1,000	396	435	452	452	442	442	439	442	455	481
Company-owned [2]	1,000	72	81	85	85	85	86	87	86	88	91
Franchisee-owned	1,000	324	354	367	367	357	356	352	355	367	390
Sales of products and services	Bil. dol.	120	191	287	312	336	365	376	423	484	529
Company-owned [2]	Bil. dol.	23	29	44	39	47	51	55	59	64	70
Franchisee-owned	Bil. dol.	96	162	243	273	289	314	321	364	420	459
Average sales per establishment	$1,000	302	439	635	690	760	824	856	958	1,064	1,099
Employment	1,000	(NA)	3,511	4,496	4,605	4,668	4,878	4,927	5,165	(NA)	(NA)

NA Not available. [1] Estimated by respondents to annual survey of franchisors. [2] Represents establishments owned by the parent company.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1983-85.*

No. 1399. Domestic Franchising—Number of Establishments and Sales, by Kind of Franchised Business: 1970 to 1985

[See headnote, table 1398, for definition of franchising]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (mil. dol.)					
	1970	1975	1980	1983	1984 [1]	1985 [1]	1970	1975	1980	1983	1984 [1]	1985 [1]
All franchising, total	**396.3**	**434.5**	**442.4**	**441.8**	**454.7**	**481.2**	**119,758**	**190,931**	**336,220**	**422,831**	**483,725**	**529,255**
Auto and truck dealers [2]	37.2	31.8	29.4	26.8	26.9	27.0	58,812	94,497	143,861	192,991	235,156	257,583
Percent	9.4	7.3	6.6	6.1	5.9	5.6	49.1	49.5	42.8	45.6	48.6	48.7
Restaurants (all types)	32.6	43.0	60.0	67.5	71.8	78.7	4,602	12,262	27,867	38,692	42,917	48,926
Percent	8.2	9.9	13.6	15.3	15.8	16.4	3.8	6.4	8.3	9.2	8.9	11.4
Gasoline service stations [2]	222.0	189.5	158.5	136.6	132.1	130.0	29,340	47,387	94,470	103,121	107,040	111,322
Percent	56.0	43.6	35.8	31.0	29.1	27.0	24.5	24.8	28.1	24.4	22.1	22.1
Retailing (nonfood)	30.7	37.2	35.2	38.2	41.0	44.8	13,133	9,031	10,517	13,243	15,635	18,790
Percent	7.7	8.6	8.0	8.7	9.0	9.3	11.0	4.7	3.1	3.1	3.2	3.2
Auto, truck rental services	[3] 10.7	6.5	7.3	10.8	11.4	12.2	[3] 1,177	1,475	3,146	4,308	4,749	5,282
Automotive products and services [4]	20.4	47.5	40.2	36.5	36.8	38.0	1,936	5,006	7,084	8,725	9,561	10,604
Business aids and services	10.5	22.2	40.7	46.4	50.8	57.3	723	1,397	6,749	8,593	10,018	12,076
Employment services	2.9	2.7	4.4	4.2	4.6	5.2	516	553	1,594	2,023	2,398	2,780
Tax preparation services	4.7	7.5	9.2	9.1	9.1	9.2	85	161	289	394	350	377
Accounting, credit, collection, and general	1.1	3.5	2.4	2.3	2.5	2.9	20	165	121	159	175	202
Other	1.7	8.3	24.7	30.8	34.6	40.0	101	518	4,745	6,017	7,095	8,717
Construction, home improvement, maintenance, and cleaning	.7	10.8	14.3	17.5	18.8	21.5	63	639	1,475	2,700	3,128	3,720
Convenience stores	8.8	13.5	15.6	14.7	15.3	16.0	1,727	3,906	7,821	10,148	11,189	12,309
Educational products and services	4.9	1.3	3.2	6.5	7.0	8.0	86	173	339	600	671	785
Equipment rental services	([3])	1.4	2.2	2.1	2.3	2.7	([3])	157	356	539	601	698
Food retailing [5]	(NA)	11.8	15.5	15.2	16.8	19.2	(NA)	1,445	7,430	8,596	9,257	10,370
Hotels and motels [6]	3.4	6.4	6.4	6.8	7.2	7.7	3,540	4,601	9,506	12,427	13,609	14,631
Laundry, dry cleaning services	4.1	3.2	3.4	2.9	3.1	3.3	144	214	286	256	285	327
Recreation, entertainment, travel	2.7	3.4	4.6	6.5	7.0	7.7	77	162	516	1,004	1,444	1,840
Soft drink bottlers [2] [7]	2.7	2.4	1.9	1.6	1.5	1.5	4,102	8,165	14,352	16,200	17,700	19,100
Miscellaneous	4.8	2.7	3.6	4.5	4.8	5.7	295	414	447	688	764	893

NA Not available. [1] Estimated by respondents. [2] Estimated by source on basis of Bureau of the Census and trade association data. [3] Equipment rental services included with auto, truck rental services. [4] Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. [5] Excludes convenience stores. [6] Beginning 1975, includes campgrounds. [7] 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, 1983-85.*

No. 1400. Franchised New Car Dealerships—Summary: 1970 to 1984

[Calendar year, except as indicated]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Dealerships, total [1]	**Number**	**30,800**	**29,600**	**29,100**	**29,000**	**28,850**	**28,250**	**26,600**	**25,700**	**24,725**	**24,725**
Handling—											
Domestic only [2]	Number	22,500	18,500	17,700	11,800	11,650	11,600	10,000	14,450	14,675	14,625
Imports only [2]	Number	4,500	4,600	4,500	4,500	4,500	4,550	4,550	4,000	3,950	3,875
Both	Number	3,800	6,500	6,900	12,700	12,700	12,100	12,050	7,250	6,100	6,225
Sales	Bil. dol.	51.8	84.2	121.9	136.5	142.9	130.5	144.6	154.8	189.8	230.6
New cars	1,000	8,393	8,633	11,179	11,310	10,660	8,979	8,533	7,980	9,182	10,391
Used vehicles	1,000	11,283	11,281	12,944	13,030	11,614	10,287	10,760	10,459	11,195	12,473
Employment	1,000	702.9	728.0	810.4	861.8	8,373	753.7	705.1	705.7	730.3	779.8
Annual payroll	Bil. dol.	5.5	8.4	11.0	12.1	12.1	11.9	12.1	12.5	13.6	15.4
Advertising expenses	Bil. dol.	.4	.6	1.0	1.1	1.1	1.2	1.3	1.4	1.7	2.2
Inventory: [3]											
Domestic: [2]											
Total	1,000	1,409	1,514	1,682	1,804	1,891	1,506	1,457	1,294	1,209	1,413
Days' supply	Days	60	67	58	61	70	71	74	71	55	55
Imported: [2]											
Total	1,000	(NA)	407	431	607	502	458	427	381	260	216
Days' supply	Days	(NA)	80	64	93	63	55	52	54	34	26

NA Not available. [1] At beginning of year. [2] Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic). [3] Annual average.

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

No. 1401. Drugs and Toiletries—Retail Sales: 1982 to 1984

[**In millions of dollars.** Excludes government and hospital use. Due to changes in product components, data not strictly comparable year to year]

PRODUCT	1982	1983	1984	PRODUCT	1982	1983	1984
Total sales	**47,523**	**52,569**	**57,012**	**Toiletries**	**17,702**	**18,469**	**19,947**
Drugs and health aids	**29,821**	**34,100**	**37,065**	Cosmetics [1]	4,450	4,790	5,006
Prescriptions	16,154	19,654	20,693	Lipstick	1,048	1,132	1,179
Baby needs	3,694	3,956	4,758	Mascara	835	910	956
Disposable diapers	2,078	2,223	2,356	Hair care [1]	4,410	4,725	4,791
Analgesics	1,655	1,635	1,858	Shampoo	1,406	1,510	1,575
Aspirin-salicylate compounds	796	726	799	Hair dressing	1,332	1,422	1,664
Cough/cold items	1,400	1,523	1,590	Hair accessories	872	921	637
Feminine hygiene	1,235	1,271	1,335	Personal hygiene	[1] 2,152	[1] 1,747	2,382
Digestive aids	1,227	1,285	1,311	Bath soaps	1,265	773	1,370
Antacids	742	780	806	Deodorants	870	960	1,012
Home health care	1,110	1,174	1,378	Dental products	1,923	2,074	2,181
Vitamins	1,257	1,305	1,366	Toothpaste	922	996	1,046
First aid	839	881	912	Fragrances	1,864	1,966	2,109
Diet aids	450	555	711	Men's	912	964	1,044
Foot care	278	291	238	Women's	952	1,002	1,065
Other	521	570	715	Skin and sun care products	1,685	1,803	1,904
				Shaving products	1,218	1,364	1,574

[1] Includes other products, not shown separately.

Source: Medical Economics Company, Inc., Oradell, NJ, *Drug Topics, Marketing Guide*, annual. (Further reproduction prohibited without written permission of copyright owner.)

No. 1402. Wholesale Trade—Summary: 1954 to 1982

[Prior to 1958, excludes Alaska and Hawaii. Data for 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	232	233	276	289	321
Establishments, total	1,000	250	287	308	311	370	383	416
With sales of $1,000,000 or more	1,000	(NA)	(NA)	62	75	103	152	190
Sales, all establishments	Bil. dol.	234.0	285.7	358.4	459.5	695.2	1,258.4	1,998
Merchant wholesalers	Bil. dol.	100.1	122.1	157.4	206.1	353.9	676.1	1,159
Inventories, end of year	Bil. dol.	13.0	15.0	20.1	28.1	45.7	82.3	130.7
Payroll, entire year	Bil. dol.	10.9	13.2	18.1	23.9	36.9	58.3	95.2
Paid employees, Mar. 15 workweek [1]	1,000	2,555	2,808	3,089	3,519	4,026	4,397	4,985
Active proprietors of unincorporated businesses	1,000	150	158	133	122	(NA)	(NA)	(NA)

NA Not available. [1] 1954-1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. III; *1958*, vol. III; *1963*, vol. IV; *1967*, vol. III; and *Census of Wholesale Trade: 1972*, vol. I; *1977*, WC 77-A-52 and *1982*, WC 82-A-52.

No. 1403. Merchant Wholesalers—Summary: 1975 to 1984

[Data reflect methodological revision effective August 1977. Based on Current Business Survey; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data]

SIC [1] CODE	KIND OF BUSINESS	1975	1978	1979	1980	1981	1982	1983	1984
	SALES (mil. dol.)								
	Merchant wholesalers	**561,637**	**800,084**	**953,775**	**1,124,646**	**1,224,247**	**1,155,481**	**1,205,093**	**1,360,853**
50	**Durable goods [2]**	**231,692**	**368,288**	**432,456**	**483,079**	**523,356**	**480,299**	**516,964**	**609,210**
501	Motor vehicles and automotive equipment	39,681	69,924	76,221	83,142	89,608	91,394	101,984	121,188
502	Furniture and home furnishings	8,265	12,826	14,492	16,276	17,914	17,663	20,199	23,716
503	Lumber and other construction material	17,261	34,321	38,415	36,390	34,872	(S)	40,712	44,561
505	Metals and minerals, except petroleum	(S)	43,679	56,473	63,436	70,432	(S)	52,728	64,928
506	Electrical goods	22,747	36,611	42,558	48,889	53,808	55,837	67,315	86,814
507	Hardware, plumbing, and heating equipment	15,200	23,417	26,895	29,109	31,030	29,255	32,293	37,671
508	Machinery, equipment, and supplies	69,153	102,813	123,422	140,680	157,203	140,896	136,817	162,893
509	Miscellaneous durable goods	(S)	(S)	(S)	(S)	(S)	(S)	(S)	53,166
51	**Nondurable goods [2]**	**329,945**	**431,796**	**521,319**	**641,567**	**700,891**	**675,182**	**688,129**	**751,643**
511	Paper and paper products	11,215	17,228	19,790	22,608	25,072	25,937	28,617	34,473
512	Drugs, drug proprietaries, and druggists' sundries	8,750	10,959	12,235	13,802	15,943	(S)	19,739	22,143
514	Groceries and related products	95,754	127,124	139,201	155,372	165,374	174,687	190,308	208,925
515	Farm-product raw materials	83,264	93,471	108,298	125,433	126,899	(S)	123,307	126,154
518	Beer, wine, and distilled beverages	19,370	25,860	28,739	31,911	34,683	36,456	36,869	37,646
519	Miscellaneous nondurable goods	43,651	53,010	65,761	77,501	86,354	88,492	90,732	101,373
	INVENTORIES [3] (mil. dol.)								
	Merchant wholesalers	**56,972**	**86,442**	**99,348**	**113,623**	**118,438**	**118,290**	**121,407**	**132,733**
50	**Durable goods [2]**	**36,972**	**56,520**	**64,014**	**72,751**	**77,940**	**77,972**	**77,099**	**86,024**
501	Motor vehicles and automotive equipment	6,576	10,121	10,636	11,524	11,799	13,328	12,915	14,941
502	Furniture and home furnishings	1,234	1,898	2,167	2,427	2,473	2,418	2,555	2,949
506	Electrical goods	3,530	5,584	6,249	7,284	8,469	8,624	9,014	12,334
507	Hardware, plumbing, and heating equipment	2,677	3,918	4,476	4,921	5,113	4,775	4,881	5,594
508	Machinery, equipment, and supplies	12,950	20,191	23,337	27,465	29,791	29,284	28,389	29,836
51	**Nondurable goods [2]**	**20,000**	**29,922**	**35,334**	**40,872**	**40,498**	**40,318**	**44,308**	**46,709**
511	Paper and paper products	1,010	1,391	1,654	1,862	2,086	2,048	2,488	2,715
514	Groceries and related products	4,449	6,492	6,694	7,298	7,293	7,645	8,439	9,221
518	Beer, wine, and distilled beverages	1,745	2,574	2,818	3,060	3,272	3,353	2,897	3,061
519	Miscellaneous nondurable goods	3,276	5,308	6,056	7,003	7,550	7,403	7,906	9,328
	SALES/INVENTORY RATIO [3]								
	Merchant wholesalers	**9.86**	**9.26**	**9.60**	**9.90**	**10.34**	**9.77**	**9.93**	**10.25**
50	**Durable goods [2]**	**6.27**	**6.52**	**6.76**	**6.64**	**6.71**	**6.16**	**6.71**	**7.08**
501	Motor vehicles and automotive equipment	6.03	6.91	7.17	7.21	7.59	6.86	7.90	8.11
502	Furniture and home furnishings	6.70	6.76	6.69	6.71	7.24	7.30	7.91	8.04
506	Electrical goods	6.44	6.56	6.81	6.71	6.35	6.47	7.47	7.04
507	Hardware, plumbing, and heating equipment	5.68	5.98	6.01	5.92	6.07	6.13	6.62	6.73
508	Machinery, equipment, and supplies	5.34	5.09	5.29	5.12	5.28	4.81	4.89	5.46
51	**Nondurable goods [2]**	**16.50**	**14.43**	**14.75**	**15.70**	**17.31**	**16.75**	**15.53**	**16.09**
511	Paper and paper products	11.10	12.39	11.96	12.14	12.02	12.66	11.50	12.70
514	Groceries and related products	21.52	19.58	20.79	21.29	22.68	22.85	22.55	22.66
518	Beer, wine, and distilled beverages	11.10	10.05	10.20	10.43	10.60	10.87	12.73	12.30
519	Miscellaneous nondurable goods	13.32	9.99	10.86	11.07	11.44	11.95	11.48	10.87

S Data do not meet publication standards. [1] Standard Industrial Classification. [2] Includes kinds of businesses, not shown separately. [3] End of year inventories; seasonally adjusted.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BW, annual; and *Monthly Wholesale Trade*.

No. 1404. Wholesale Trade—Summary, by State: 1982

Division and State	Establishments	Sales (bil. dol.)	Annual payroll: Total (mil. dol.)	Annual payroll: As percent of operating expenses	Paid employees [1] (1,000)	Merchant wholesalers: Establishments	Merchant wholesalers: Sales (bil. dol.)	Percent change 1977–1982: Sales	Percent change 1977–1982: Annual payroll
U.S.	**415,829**	**1,997.9**	**95,209**	**47.0**	**4,985**	**337,943**	**1,159.3**	**58.8**	**63.3**
N. Eng.:									
ME	1,654	4.2	261	46.6	18	1,465	3.1	49.0	46.6
NH	1,487	4.1	293	50.4	16	1,220	2.8	102.0	98.2
VT	800	1.9	126	45.2	9	720	1.6	81.1	67.7
MA	9,709	49.8	2,654	49.4	132	7,637	26.3	64.6	71.2
RI	1,549	5.0	307	47.3	18	1,334	3.2	61.6	48.8
CT	5,329	32.7	1,433	46.9	69	4,241	19.8	70.1	76.5
Mid. Atl.:									
NY	*39,106*	*261.2*	*9,205*	*43.8*	*430*	*32,622*	*176.3*	*57.9*	*50.5*
NJ	14,739	89.4	4,481	43.2	211	11,789	46.2	61.5	69.0
PA	17,873	78.4	4,167	49.3	221	14,206	38.9	46.1	47.9
E. No. Cent.:									
OH	16,965	79.6	4,238	49.1	221	12,987	37.5	29.0	44.8
IN	8,953	31.5	1,687	48.0	99	7,459	19.1	23.9	37.9
IL	21,722	131.1	6,114	47.0	287	16,975	65.5	35.0	45.3
MI	12,999	59.8	3,041	49.0	146	10,159	27.6	32.5	44.2
WI	8,159	27.4	1,621	49.8	91	6,832	16.6	39.5	45.8
W. No. Cent.:									
MN	*9,020*	*47.4*	*2,047*	*49.6*	*104*	*7,334*	*30.6*	*62.9*	*59.4*
IA	7,393	25.8	1,117	43.9	69	6,507	19.2	28.6	35.4
MO	10,149	49.4	2,264	47.8	122	8,202	27.5	40.8	49.0
ND	2,109	6.0	313	48.6	19	1,880	4.7	53.7	60.2
SD	1,803	4.9	226	46.6	16	1,635	3.0	42.7	39.4
NE	4,073	17.4	703	47.5	42	3,565	10.1	63.5	42.3
KS	5,607	24.5	1,023	47.6	58	4,605	15.5	40.4	56.7
So. Atl.:									
DE	819	7.3	314	34.8	14	669	2.1	41.7	63.3
MD	5,507	25.8	1,485	49.7	77	4,333	13.3	52.7	64.6
DC	495	2.6	193	53.7	9	394	1.5	21.6	14.3
VA	6,960	28.7	1,602	50.5	91	5,687	14.8	50.4	67.8
WV	2,380	6.1	430	48.6	26	2,016	4.1	35.8	43.5
NC	10,234	39.6	1,939	48.5	116	8,219	18.9	43.8	54.7
SC	4,539	12.7	711	47.7	46	3,884	7.8	53.5	54.0
GA	11,322	56.1	2,559	46.8	140	8,651	22.2	59.3	75.0
FL	19,537	65.6	3,562	46.7	212	16,287	39.1	90.8	95.5
E. So. Cent.:									
KY	5,278	19.2	966	48.1	60	4,338	11.0	42.4	49.4
TN	7,853	37.8	1,761	46.5	102	6,329	19.4	29.2	57.2
AL	5,913	19.6	1,074	46.6	68	4,948	12.2	38.5	52.2
MS	3,633	10.8	571	46.5	38	3,189	8.5	54.4	50.1
W. So. Cent.:									
AR	3,769	10.7	576	47.5	39	3,319	7.3	57.6	59.2
LA	7,678	36.1	1,740	47.0	98	6,335	24.9	84.6	82.1
OK	6,167	28.1	1,306	47.9	71	5,176	18.5	109.3	104.5
TX	31,978	205.0	8,070	47.2	417	25,670	122.7	133.7	109.4
Mt.:									
MT	1,809	4.9	266	47.9	16	1,588	3.7	66.4	69.6
ID	2,026	5.1	308	45.2	22	1,773	3.7	58.9	46.1
WY	1,091	3.3	178	49.6	10	905	2.8	67.7	134.9
CO	6,357	26.9	1,478	50.3	77	4,940	15.2	72.1	86.9
NM	2,123	5.1	345	49.3	21	1,821	4.1	89.3	79.7
AZ	*4,555*	*13.9*	*906*	*49.6*	*52*	*3,721*	*8.3*	*72.1*	*92.5*
UT	2,585	8.7	551	48.4	31	2,085	5.3	62.7	68.0
NV	1,233	3.9	252	45.2	14	1,073	2.6	122.1	98.7
Pac.:									
WA	7,889	31.3	1,777	48.6	90	6,180	18.5	57.6	63.8
OR	5,180	26.9	1,107	47.3	58	4,221	18.9	48.8	44.6
CA	43,278	217.7	11,365	46.4	548	34,832	128.6	69.3	79.4
AK	706	2.7	206	50.4	7	552	1.6	75.2	77.3
HI	1,737	4.1	288	46.3	17	1,434	2.5	58.8	62.0

[1] For the pay period including March 12.

Source: U.S. Bureau of the Census, *1982 Census of Wholesale Trade*, Geographic Area Series, WC82-A-1 to 51.

No. 1405. Wholesale Trade, by Type of Operation and Kind of Business: 1977 and 1982

[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 (1,000)		Sales (mil. dol.)		Annual Payroll (mil. dol.)		Paid Employees [1] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Wholesale trade	**382.8**	**415.8**	**1,258,400**	**1,997,895**	**58,290**	**95,209**	**4,397**	**4,985**
Merchant wholesalers	307.2	337.9	676,058	1,159,334	42,067	69,936	3,368	3,918
Other operating types	75.6	77.9	582,342	838,561	16,223	25,273	1,029	1,067
Durable goods	**226.2**	**256.1**	**608,756**	**881,212**	**34,998**	**57,368**	**2,539**	**2,913**
Motor vehicles, automotive equipment	38.9	39.5	147,112	187,607	5,148	7,524	423	433
Furniture, home furnishings	11.1	12.5	22,032	32,452	1,445	2,367	110	126
Lumber, construction materials	15.7	17.0	46,179	50,694	2,502	3,429	180	184
Sporting, recreational, photographic goods [2]	6.6	7.3	16,521	26,980	1,024	1,646	77	85
Metals and minerals, except petroleum	9.4	10.1	80,298	102,690	2,178	3,359	133	148
Electrical goods	24.9	29.2	69,999	120,062	3,922	7,462	277	357
Hardware, plumbing, heating equipment	18.6	20.8	30,605	43,529	2,576	4,051	194	217
Machinery, equipment, supplies	84.0	99.2	165,057	263,309	14,350	24,804	986	1,192
Miscellaneous	17.1	20.5	30,952	53,889	1,852	2,726	160	171
Nondurable goods	**156.6**	**159.7**	**649,644**	**1,116,683**	**23,292**	**37,841**	**1,858**	**2,072**
Paper, paper products	11.7	13.9	32,509	53,493	2,103	3,586	149	187
Drugs, drug proprietaries [3]	3.6	3.9	19,445	33,987	1,148	1,975	89	106
Apparel, piece goods, notions	13.0	14.3	39,895	55,897	1,830	2,897	131	144
Groceries and related products	38.0	38.5	182,905	288,659	7,469	12,269	602	674
Farm-product raw materials	14.8	13.9	110,332	153,419	1,273	1,839	135	136
Chemicals, allied products	8.5	10.7	51,661	76,103	1,603	2,902	100	124
Petroleum, petroleum products	22.6	18.7	116,780	296,995	2,249	3,433	179	188
Beer, wines, distilled alcoholic beverages	6.7	6.4	26,979	42,122	1,841	3,091	122	141
Miscellaneous	37.8	39.4	69,138	116,008	3,778	5,849	351	372

[1] For pay period including March 12. [2] Includes toys, hobby goods, and supplies. [3] Includes druggists sundries.

Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977*, Geographic Area Series, WC 77-A-52, and *1982*, Geographic Area Series, WC 82-A-52.

No. 1406. Selected Service Industries—Summary: 1977 and 1982

[For establishments with paid employees]

Item	Unit	Firms subject to federal income tax			Firms exempt [2] 1982
		1977	1982		
			Original	Revised [1]	
Firms	1,000	654	1,154	740	121
Total establishments	1,000	725	1,262	827	147
Single unit	1,000	635	1,111	708	112
Multiunit	1,000	90	151	119	36
Receipts [3]	Bil. dol.	164.2	427.0	310.7	61.5
Average receipts [3] per establishment	$1,000	226.5	338.4	375.7	418.4
Of multiunit establishments	Bil. dol.	63.5	163.9	140.1	24.3
Percent of total [3]	Percent	38.7	38.4	45.1	39.5
Payroll, entire year	Bil. dol.	56.1	158.6	107.9	23.1
Paid employees [4]	1,000	6,337	11,106	8,060	2,280

[1] Because of the differences in scope between 1977 and 1982, the 1982 data have been recomputed to be comparable to 1977 (Standard Industrial Classification codes 702, 704, 80 (excluding 8072), 82 (excluding 821, 822), 83, 893, and 899 excluded). [2] No similarly published data in 1977. [3] Revenue for tax-exempt activity. [4] For workweek including March 12.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977* vol. 1, and *1982* SC 82-I-1, and unpublished data.

No. 1407. Hotel and Motor Hotel Operations—Occupancy Ratio, Sales Indexes, and Room Rate Index: 1960 to 1984

[Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1400 in 1984). Prior to 1980, economy operations were excluded. See table 1420]

Item	1960	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Occupancy ratio (percent)	**65**	**55**	**65**	**62**	**66**	**68**	**72**	**71**	**68**	**67**	**65**	**65**	**66**
Sales indexes (1967=100):													
Total sales	94	107	128	132	147	163	188	210	234	251	256	267	289
Room sales	90	112	137	145	164	185	218	249	283	305	313	329	361
Restaurant sales	97	100	118	119	129	139	156	167	180	191	193	198	209
Room rate index (1967=100)	**86**	**125**	**150**	**165**	**178**	**194**	**220**	**255**	**295**	**326**	**348**	**361**	**387**

Source: Laventhol & Horwath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

No. 1408. Service Industries Estimated Annual Receipts: 1977 to 1984

[In millions of dollars. Except as noted, data are benchmarked to the 1977 and 1982 Census of Service Industries]

SIC [1] code	KIND OF BUSINESS	1977	1980	1981	1982	1983	1984
7	**Selected services, total**	(NA)	(NA)	(NA)	(NA)	**292,110**	**325,267**
7, ex. 73	Total (exc. business services)	[2] 92,925	132,443	145,819	151,141	163,294	177,015
701, 3	Hotels motels tourist courts, camps, and trailering parks	18,523	28,323	32,041	33,950	37,207	40,276
701	Hotels, motels, and tourist courts	17,719	26,952	30,921	32,749	35,897	38,917
72	Personal services [3]	18,443	25,133	27,373	28,463	32,525	34,779
721	Laundry, cleaning, and garment services [3]	6,829	9,213	9,575	9,913	10,743	12,271
7215	Coin-operated laundries and dry cleaning	(NA)	1,403	1,467	1,481	1,528	1,688
7216	Dry cleaning plants, except rug cleaning	(NA)	2,776	2,871	3,004	3,326	3,796
722	Photographic studios, portrait	(NA)	1,702	1,875	2,027	2,161	2,132
723	Beauty shops	4,274	5,798	6,126	6,437	7,755	8,106
724	Barber shops	992	1,089	1,042	1,018	1,068	1,027
726	Funeral service and crematories	(NA)	3,491	3,706	3,936	4,165	4,507
73	Business services [3] [4]	(NA)	(NA)	(NA)	(NA)	128,816	148,252
731	Advertising	(NA)	(NA)	(NA)	(NA)	12,086	13,779
7311	Advertising agencies	(NA)	(NA)	(NA)	(NA)	8,737	9,860
734	Services to dwellings and other buildings	(NA)	(NA)	(NA)	(NA)	9,161	10,199
736	Pesonnel supply services	(NA)	(NA)	(NA)	(NA)	10,845	14,309
737	Computer and data processing services	(NA)	(NA)	(NA)	(NA)	22,534	26,106
7372	Computer programming and other software services	(NA)	(NA)	(NA)	(NA)	8,295	10,019
7374	Data processing services	(NA)	(NA)	(NA)	(NA)	10,283	11,564
7379	Computer related services, n.e.c	(NA)	(NA)	(NA)	(NA)	3,956	4,525
7392	Management consulting, and public relations services	(NA)	(NA)	(NA)	(NA)	24,784	27,834
7393	Detective agencies and protective services	(NA)	(NA)	(NA)	(NA)	5,716	6,454
75	Automotive repair, services, and garages [3]	21,576	30,547	32,270	33,784	35,745	40,184
751	Automotive rental and leasing, without drivers [3]	(NA)	8,759	9,456	9,751	10,395	11,721
7512	Passenger car rental and leasing, without drivers	(NA)	4,691	5,011	5,290	5,770	6,568
7513	Truck rental and leasing, without drivers	(NA)	3,988	4,362	4,383	4,530	5,033
752	Automobile parking	(NA)	1,386	1,511	1,592	1,886	2,254
753	Automotive repair shops	12,770	18,077	19,112	20,415	21,714	23,732
76	Miscellaneous repair services	11,028	15,424	16,928	16,032	16,070	17,449
7622	Radio and television repair shops	(NA)	1,391	1,540	1,585	1,619	1,621
78	Motion pictures	(NA)	12,509	13,692	13,964	14,533	15,585
783	Motions picture theaters	(NA)	3,628	3,462	3,610	3,676	3,950
79	Amusement and recreation services, except motion pictures	(NA)	20,507	23,515	24,948	27,214	28,742
793	Bowling alleys and billiard and pool establishments	*(NA)*	*2,186*	*2,241*	*2,308*	*2,526*	*2,518*
7996	Amusement parks	(NA)	1,610	1,744	1,824	2,246	2,325
	OTHER SERVICES						
80, ex. 808	Health services, except hospitals [3] [5]	(NA)	79,980	95,271	105,330	116,183	130,027
801	Offices of physicians	(NA)	38,754	45,625	50,663	56,890	62,386
802	Offices of dentists	(NA)	12,639	14,879	16,071	17,084	18,264
805	Nursing and personal care facilities	(NA)	13,332	15,944	17,585	18,684	21,262
8071	Medical laboratories	(NA)	2,160	2,408	2,820	3,221	3,437
8072	Dental laboratories	(NA)	1,129	1,241	1,263	1,325	1,360
81	Legal services [4] [6]	(NA)	25,693	30,644	34,325	39,704	44,912
891	Engineering, architectural, and surveying services	(NA)	(NA)	(NA)	(NA)	34,011	36,664
893	Accounting, auditing, and bookkeeping services	(NA)	(NA)	(NA)	(NA)	17,352	19,250
4722	Arrangement of passenger transportation [4]	(NA)	(NA)	(NA)	(NA)	4,745	5,718
653	Real estate agents and managers [4]	(NA)	(NA)	(NA)	(NA)	20,817	24,292
824	Correspondence schools and vocational schools [4]	(NA)	(NA)	(NA)	(NA)	1,940	2,159

NA Not available. [1] Standard Industrial Classification. [2] Includes estimate for SIC's 78 and 79. [3] Includes other kinds of businesses, not shown separately. [4] Estimates not benchmarked to censuses. [5] Excludes nonemployers. [6] Excludes nonemployers and tax-exempt organizations.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BS, *1984 Service Annual Survey*.

No. 1409. Full-Service and Economy Lodging Industries—Summary: 1980 to 1984

[An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually $10.00 to $20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. Based on Annual Surveys of Lodging Establishments. Covers approximately 600 full-service establishments and 300 economy establishments in 1984]

ITEM	FULL-SERVICE			ECONOMY		
	1980	1983	1984	1980	1983	1984
Room occupancy rate	70.4	66.1	67.9	77.2	61.4	63.7
Average room rate (dol.)	37.67	46.67	52.15	16.52	26.04	26.19
Sales per available room (dol.)	15,271	18,118	20,877	4,894	6,047	6,282
Payroll and related expenses per available room (dol.)	4,868	5,960	7,099	1,217	1,301	1,227
Ratio of net income before income tax to sales	9.8	4.6	2.6	22.0	13.5	12.4
Employees [1] per 100 available rooms	61.6	59.3	56.0	15.6	(NA)	(NA)
Sales per employee [1] (dol.)	34,753	36,491	35,906	31,842	(NA)	(NA)
Composition of market—(percent)						
Business travelers	40.4	38.1	40.0	43.7	45.6	39.6
Tourists	27.5	27.4	24.7	39.3	37.0	44.9
Conference participants	19.1	22.0	19.2	1.6	2.7	2.5
Percent advanced reservations	77.1	79.0	66.3	20.9	34.6	47.2

NA Not available. [1] Full-time equivalent employees.

Source: Laventhol & Horwath, Philadelphia, PA, *U.S. Lodging Industry*, annual; and *U.S. Economy Lodging Industry*, annual.

No. 1410. Computer and Data Processing Services—Summary: 1972 to 1982

[Receipts and payroll in millions of dollars. For establishments with payroll]

ITEM	Total	Computer programming [1]	Data processing		Other computer related services
			Total	Excluding facilities management	
Establishments:					
1972	6,016	1,562	3,845	3,598	609
1977	10,264	3,197	5,683	5,300	1,384
1982	20,443	9,427	6,707	6,281	4,309
Receipts:					
1972	3,411	971	1,889	1,667	551
1977	7,476	1,992	4,474	4,058	1,010
1982	21,810	8,186	10,099	9,406	3,526
Payroll:					
1972	1,324	498	709	629	117
1977	2,833	957	1,614	1,440	262
1982	7,843	3,336	3,448	3,155	1,060
Paid employees: [2]					
1972	127,449	37,657	78,911	71,271	10,881
1977	203,852	51,286	135,736	123,541	16,830
1982	353,549	126,633	183,422	167,985	43,494

[1] Includes other software services. [2] For pay period including March 12.

Source: U.S. Bureau of the Census, *1982 Census of Service Industries*, SC-82-A-52.

No. 1411. Computer and Data Processing—Receipts by Source: 1977 and 1982

[In millions of dollars. For establishments with payroll]

RECEIPT SOURCE	Total		Computer programming [2]		Data processing				Computer related services	
					Total		Excluding facilities management [3]			
	1977	1982 [1]	1977	1982 [1]	1977	1982 [1]	1977	1982 [1]	1977	1982 [1]
Total	**7,476**	**22,737**	**1,992**	**8,689**	**4,474**	**9,969**	**4,058**	**9,289**	**1,010**	**4,079**
Programming, systems analysis and design: [2]										
Prepackaged	1,984	1,801	1,771	1,705	192	47	185	40	(NA)	49
Custom	35	4,404	24	4,079	10	285	10	262	(NA)	41
Research and development [4]		95		79		4		4		12
Data processing and preparation	3,736	8,788	72	306	3,652	8,415	3,642	8,403	(NA)	67
Facilities management	445	866	25	43	416	770	18	180	(NA)	52
Rental or leasing [5] of data processing equipment	453	1,173	13	182	21	97	21	84	(NA)	894
Rental, sales, leasing of integrated systems	568	1,719	30	1,525	55	116	54	116	(NA)	78
Consulting and planning [6]		707		153		31		3		523
Maintenance of equipment		2,192		224		16		15		1,952
Other sources	255	991	57	393	128	188	127	183	(NA)	411

NA Not available. [1] Preliminary. [2] And related software. [3] Operation of customers' in-house operation. [4] Of hardware. [5] Except finance leasing. [6] Except programming services.

Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-5-9, and *1982*, Preliminary Reports, SC-82-1-7(P).

NO. 1412. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS WITH PAYROLL, BY STATE: 1982

DIVISION AND STATE	FIRMS SUBJECT TO FEDERAL INCOME TAX										TAX-EXEMPT FIRMS	
	Establishments				Receipts (mil. dol.)				Annual payroll (mil. dol.)	Paid employees [3] (1,000)	Establishments	Revenue (mil. dol.)
	Total [1] (1,000)	Business services	Personal services	Automotive repair [2]	Total [1]	Business services	Personal services	Automotive repair [2]				
U.S.	**1,261.7**	**215,125**	**167,749**	**115,481**	**426,982**	**106,866**	**22,980**	**30,695**	**158,625**	**11,106.1**	**147,061**	**61,488**
N.E.:												
ME	5.9	614	661	537	1,204	141	71	120	420	37.9	1,133	266
NH	5.5	853	695	498	1,246	234	86	116	457	36.2	990	210
VT	3.2	376	391	261	662	73	38	43	224	23.2	772	144
MA	33.9	6,092	4,861	3,104	13,317	4,071	618	862	5,363	353.3	5,022	2,584
RI	5.4	851	857	544	1,351	310	85	119	514	41.3	811	324
CT	19.6	4,065	2,872	1,577	6,408	1,959	379	437	2,392	170.9	2,495	927
M.A.:												
NY	102.9	21,477	13,073	8,214	43,804	14,745	1,948	2,210	15,777	982.6	11,693	8,277
NJ	45.5	8,959	6,254	4,052	16,349	4,618	802	1,058	6,020	401.4	3,544	1,364
PA	55.0	8,255	8,152	5,996	19,083	4,581	1,038	1,390	7,045	485.9	9,424	3,287
E.N.C.:												
OH	52.1	7,922	8,066	5,039	15,515	3,680	1,096	1,331	6,091	450.8	7,129	2,557
IN	24.4	3,493	3,768	2,577	6,252	1,170	499	622	2,313	187.6	3,622	1,036
IL	57.6	11,453	7,746	5,030	21,396	6,130	1,206	1,501	8,170	547.7	6,934	3,994
MI	43.7	6,390	5,802	3,887	13,448	3,155	839	1,070	5,312	362.8	5,076	1,888
WI	22.8	3,271	3,845	1,925	5,956	1,077	433	472	2,450	190.3	3,222	1,085
W.N.C.:												
MN	20.0	3,578	2,895	1,706	6,472	1,502	426	462	2,535	198.0	3,575	1,747
IA	14.6	1,671	2,544	1,526	3,364	640	250	299	1,209	105.7	2,685	727
MO	25.6	3,974	4,015	2,659	8,160	2,124	505	730	3,078	225.3	3,072	1,217
ND	3.1	382	599	292	811	106	64	75	310	23.4	719	180
SD	3.5	394	540	357	674	75	53	61	234	21.4	746	154
NE	8.5	1,174	1,439	944	2,229	496	156	210	803	66.3	1,403	409
KS	12.7	1,798	1,933	1,312	3,064	592	235	267	1,140	92.1	2,171	493
S.A.:												
DE	3.2	569	474	299	850	171	50	90	330	27.4	485	153
MD	22.6	4,255	2,989	1,798	8,583	3,107	447	538	3,404	228.1	2,580	1,411
DC	6.3	1,571	505	403	4,218	1,156	99	123	1,597	88.4	2,008	3,193
VA	27.6	5,023	4,172	2,496	9,177	2,882	553	616	3,675	255.3	3,145	1,552
WV	7.4	723	1,327	630	1,759	201	146	109	633	50.2	1,241	264
NC	27.1	3,739	4,316	2,746	6,268	1,205	538	586	2,371	198.4	3,076	830
SC	13.9	1,817	2,080	1,357	3,301	490	243	276	1,255	105.1	1,383	291
GA	28.2	4,836	3,894	2,825	8,795	2,332	495	766	3,231	242.8	2,659	842
FL	68.7	12,025	8,753	5,757	21,542	4,539	1,095	1,736	8,082	600.7	5,466	1,957
E.S.C.:												
KY	14.7	1,881	2,410	1,355	3,678	579	300	288	1,336	111.9	1,882	527
TN	21.4	3,063	3,311	2,099	6,344	1,504	446	509	2,346	177.3	2,483	719
AL	15.9	2,127	2,694	1,691	4,339	777	291	406	1,606	125.6	1,681	422
MS	9.7	1,082	1,460	984	2,172	333	151	187	782	68.2	1,309	266
W.S.C.:												
AR	10.1	1,189	1,536	1,083	2,177	278	181	221	805	68.6	1,339	298
LA	22.1	3,853	2,344	2,035	7,698	2,075	361	467	2,685	202.3	1,726	495
OK	16.7	2,718	1,980	1,483	5,097	1,182	305	367	1,794	132.9	1,785	509
TX	85.7	16,195	10,946	8,481	32,038	8,159	1,754	2,481	11,442	783.0	7,187	2,594
Mt.:												
MT	5.0	584	604	483	1,006	112	58	95	345	31.6	977	163
ID	5.1	591	682	484	1,088	169	70	97	396	33.5	626	303
WY	3.5	462	369	302	894	178	39	69	280	22.9	538	94
CO	21.7	4,077	2,415	1,944	7,325	1,660	349	548	2,596	191.1	2,299	920
NM	7.4	1,058	988	721	2,408	943	102	157	883	61.2	954	255
AZ	17.3	3,175	2,192	1,507	5,070	1,113	292	395	1,881	147.8	1,591	538
UT	7.9	1,290	743	744	2,173	416	104	224	770	59.8	647	191
NV	6.2	1,052	671	492	6,060	520	149	162	2,112	152.3	453	93
Pac.:												
WA	25.4	3,914	3,321	2,148	7,359	1,673	405	547	2,794	198.1	3,349	1,108
OR	16.3	2,398	1,857	1,375	3,899	686	223	328	1,430	112.3	2,053	551
CA	170.4	31,469	16,868	14,991	67,083	16,387	2,761	4,536	24,569	1,530.9	14,561	7,453
AK	2.6	523	237	164	1,155	248	46	67	434	21.2	558	196
HI	6.1	1,024	663	567	2,660	314	101	249	904	71.1	860	433

[1] Includes other establishments and receipts, not shown separately. [2] Includes services and garages.
[3] For the pay period including March 12.

Source: U.S. Bureau of the Census, *1982 Census of Service Industries*, Geographic Area Series, SC82-A-1 to 52.

No. 1413. Service Industries—Summary of Establishments by Tax Status: 1977 and 1982

[See *Historical Statistics, Colonial Times to 1970*, series T391-443 for similar but not comparable data]

Kind of Business	Establishments (1,000)		Receipts, Expenses or Revenue [1] (mil. dol.)		Annual Payroll (mil. dol.)		Paid Employees [2] (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Firms subject to Federal income tax	**2,755.1**	(NA)	**248,813**	(NA)	**81,183**	**158,625**	**8,618.9**	**11,106.1**
Hotels, motels, and other lodging places	**79.7**	**69.1**	**18,755**	**34,057**	**5,190**	**9,289**	**918.7**	**1,102.1**
Hotels, motor hotels, and motels	51.9	47.6	17,719	32,675	5,027	9,067	894.1	1,076.2
Trailering parks and camps	18.9	15.3	734	1,044	103	151	11.9	15.2
Rooming, boarding, and membership lodgings	(X)	6.3	(X)	338	60	71	12.7	10.8
Personal services	**512.1**	(NA)	**18,433**	(NA)	**5,478**	**7,956**	**910.4**	**970.5**
Laundry, cleaning, and garment services	75.4	66.2	6,829	9,913	2,288	3,225	361.0	354.5
Photographic studios, portrait	37.1	48.5	1,185	2,027	215	357	29.8	44.0
Beauty and barber shops	264.7	274.9	5,266	7,455	1,816	2,414	316.7	314.2
Shoe repair, shoe shine, etc	9.6	7.8	239	281	40	55	7.2	7.0
Funeral service, crematories	19.6	18.7	2,827	3,936	639	927	71.8	74.2
Misc. personal services	105.7	(NA)	2,088	(NA)	480	977	124.0	176.5
Business services	**458.2**	(NA)	**54,500**	(NA)	**20,852**	**42,416**	**2,297.4**	**3,151.7**
Advertising	32.9	41.7	4,983	9,288	1,921	3,392	118.8	145.9
Services to dwellings, other buildings	67.3	91.9	4,597	8,197	2,256	3,899	426.3	540.0
Computer, data processing services	16.1	40.9	7,576	22,217	2,833	7,843	203.9	353.5
Computer prog., other software services	(NA)	(NA)	(NA)	(NA)	957	3,336	51.3	126.6
Data processing services	(NA)	(NA)	(NA)	(NA)	1,614	3,448	135.7	183.4
Computer related services, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	262	1,060	16.8	43.5
Management, consulting, public relations	143.8	267.9	8,343	20,106	2,839	6,529	208.8	353.5
Equipment rental, leasing services	29.3	49.2	[4] 4,970	11,361	[4] 1,060	2,305	[4] 84.6	133.4
Other business services [5]	168.9	(NA)	23,898	(NA)	9,918	18,447	1,252.5	1,625.4
Credit reporting, collection agencies	(NA)	(NA)	(NA)	(NA)	539	808	64.2	60.5
Direct mail advertising services	(NA)	(NA)	(NA)	(NA)	276	560	31.5	43.7
Commercial photography, art, graphics	(NA)	(NA)	(NA)	(NA)	588	1,024	46.0	56.6
Personnel supply services	(NA)	(NA)	(NA)	(NA)	2,881	5,632	431.7	608.8
Research and development labs	(NA)	(NA)	(NA)	(NA)	843	1,579	48.5	64.1
Testing labs and facilities	(NA)	(NA)	(NA)	(NA)	308	643	25.3	35.0
Detective agencies, protective services	(NA)	(NA)	(NA)	(NA)	1,598	3,000	279.9	340.5
Automotive repair, services, garages	**200.2**	**227.6**	**21,576**	**33,782**	**4,456**	**7,057**	**483.2**	**553.2**
Automotive rental and leasing, without drivers	12.4	12.5	6,407	9,750	834	1,380	75.5	94.2
Automobile parking	8.9	8.8	1,008	1,592	211	323	33.9	34.9
Automotive repair shops	154.2	179.1	12,770	20,414	3,090	4,906	316.3	364.6
General auto repair	87.0	109.5	5,633	8,924	1,173	1,840	128.9	144.1
Top and body repair	38.8	40.8	3,246	5,398	874	1,439	87.9	103.4
Other auto repair	28.4	28.8	3,891	6,092	1,043	1,627	120.0	117.2
Automotive services, exc. repair	24.7	27.2	1,391	2,026	320	449	57.6	59.5
Miscellaneous repair services	**162.9**	**159.3**	**11,028**	**16,032**	**2,992**	**4,559**	**279.1**	**299.7**
Electrical, electronic, repair shops	52.5	35.9	3,581	4,488	1,001	1,350	95.2	87.4
Reupholstery, furniture repair	24.6	21.3	694	825	[4] 147	192	[4] 20.9	19.8
Other repair shops, related services	85.8	102.0	6,726	10,719	1,833	3,017	161.8	192.5
Amusement, rec. serv., incl. motion pictures	**176.8**	**214.4**	**21,143**	**35,320**	**5,272**	**8,805**	**660.3**	**803.8**
Motion picture prod., distribution, services	10.7	15.9	5,412	10,354	1,377	2,451	88.4	127.2
Motion picture theaters	11.8	10.0	2,606	3,610	462	567	112.2	103.5
Producers, orchestras, entertainers	67.7	92.9	2,361	4,319	524	971	50.1	56.8
Bowling alleys, billiards, pool establishments	11.3	8.9	1,768	2,308	490	648	108.1	108.9
Commercial sports, other amusement, recreation services	75.2	86.7	8,997	14,730	2,419	4,168	301.5	407.4
Health services, except hospitals [5]	**443.1**	**542.6**	**54,386**	**101,220**	**20,952**	**42,632**	**1,821.0**	**2,433.1**
Offices of physicians	189.1	234.8	26,756	53,241	11,854	24,576	624.0	822.0
Offices of dentists	99.3	114.4	10,007	16,814	3,044	5,788	284.4	402.5
Medical and dental laboratories	15.7	17.2	2,459	4,245	960	1,620	87.9	103.7
Legal services	**167.9**	**203.0**	**18,696**	**36,930**	**5,217**	**12,554**	**392.0**	**569.4**
Selected educational services [5]	**81.8**	**107.6**	**1,836**	**3,228**	**493**	**822**	**61.2**	**68.5**
Correspondence and vocational schools	(NA)	(NA)	(NA)	(NA)	302	508	34.1	38.0
Schools and educational services, n.e.c. [3]	(NA)	(NA)	(NA)	(NA)	186	309	44.3	30.0
Engineering, architectural, surveying services	**75.6**	**96.9**	**14,737**	**35,557**	**6,292**	**14,717**	**373.2**	**581.5**
Accounting, auditing, bookkeeping services	**126.1**	**179.8**	**7,990**	**15,950**	**2,917**	**5,933**	**230.9**	**330.2**
Social and other services	**270.7**	(NA)	**5,732**	(NA)	**1,073**	**1,884**	**191.4**	**242.7**
Social services	(NA)	(NA)	(NA)	(NA)	866	1,477	177.4	222.0
Child day care services	(NA)	(NA)	(NA)	(NA)	339	616	87.5	123.1
Firms exempt from Federal income tax	(X)	**147.1**	(X)	**54,522**	(X)	**23,142**	(X)	**2,280.1**
Hotels, camps, membership lodging	(X)	**4.1**	(X)	**513**	(X)	**155**	(X)	**22.8**
Research, testing, consulting services	(X)	**1.0**	(X)	**2,612**	(X)	**1,251**	(X)	**53.6**
Selected amusement, rec., related services	(X)	**10.5**	(X)	**5,107**	(X)	**2,105**	(X)	**213.6**
Selected health services [5]	**8.7**	**10.0**	**4,764**	**10,438**	**2,516**	**5,197**	**333.0**	**476.2**
Nursing and personal care facilities	2.3	3.0	2,216	4,752	1,203	2,597	201.8	283.2
Outpatient care facilities	4.2	4.7	1,805	3,957	918	1,657	85.2	108.9
Legal aid societies, similar legal services	**1.1**	**1.3**	**259**	**421**	**153**	**252**	**12.4**	**14.5**
Selected educational services	**4.1**	**4.3**	**702**	**1,150**	**315**	**487**	**49.4**	**52.7**
Social services	**41.0**	**52.6**	**8,295**	**16,455**	**4,124**	**7,521**	**676.5**	**903.9**
Child day care services	10.6	12.7	829	1,494	495	889	102.4	135.3
Selected membership organizations [5]	**58.1**	**61.3**	**8,489**	**15,093**	**3,073**	**5,196**	**417.3**	**492.9**
Business associations	11.7	12.1	2,308	4,651	822	1,468	68.8	80.2
Civic, social, and fraternal associations	34.1	35.5	3,606	5,557	1,342	2,078	255.9	295.8
Noncommercial educational, scientific, and research organizations	**1.9**	**1.9**	**1,437**	**2,733**	**595**	**977**	**47.8**	**49.9**

NA Not available. X Not applicable. [1] Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax-1977. Revenue refers to establishments exempt from Federal income tax-1982.

[2] For pay period including March 12. [3] N.e.c. means not elsewhere classified. [4] Data revised since originally published; revisions not carried to the broader kind-of-business level. [5] Includes other kinds of businesses, not shown separately.

Source: U.S. Bureau of the Census, *Census of Service Industries, 1977, Geographic Area Series, vol. II; 1982 Census of Service Industries*, Geographic Area Series, series SC82-A-52 and change sheet.